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Charles R. Midkiff (301) 217-5720 FAX: (301) 413-2466 March 17, 1999

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Journal Article	Lui, S; Yu, L;	Study for components distribution of burned gasoline residues	Advanced Materials Research	2012	554-556(1): 1984-7	MS	Components of burned gasoline was [sic] analyzed by
Journal Article	Zorzetti, B;	Estimation of the age of a weathered mixture of volatile organic	Analytica Chimica Acta	2011	694(1-2): 31-7	MS	The ability to predict the amount of time that a light petr
Journal Article Journal Article	Zorzetti, B; Turner, D;	Using GC × GC-FID profiles to estimate the age of weathered The effects of season and soil type on microbial degradation of	Analytical and Bioanalytical Chemistry Analytical and Bioanalytical Chemistry	2011 2013	401(8): 2423-31 405(5): 1593-9	MS MS	Predicting the amount of time that a petroleum mixture The primary task of a fire debris chemist is to determin
Journal Article	Zenkevich, I	Prevention of a dangerous tendency in the presentation of the	Analytical and Bioanalytical Chemistry Analytical and Bioanalytical Chemistry	2013	405(5): 1593–9	MS	No Abstract. Excerpt: A dangerous tendency manifes
Journal Article	Hur, M; Yeo, I;	Combination of statistical methods and fourier transform ion	Analytical Chemistry	2010	82(1): 211-8	MS	Complex petroleum mass spectra obtained by Fourier-
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Journal Article	Mat Desa, W; Mat-Desa, W;	Classification and source determination of medium petroleum	Analytical Chemistry Analytical Chemistry	2010	82(15): 6395-400 83(20): 7745-54	MS	A variety of lighter fuel samples from different manufact Three different medium petroleum distillate (MPD) produced in the control of the co
Journal Article	Sanagi, M;	Headspace single drop microextraction for the analysis of fire	Analytical Letters	2010	43(14): 2257–66	MS	Fire accelerants such as gasoline, kerosene, and diese
Journal Article	Choodum, A;	Development and validation of an analytical method for hydrocarbon	Analytical Methods	2011	3(1): 1136-42	MS	This work outlines the development of a gas chromatog
Journal Article Journal Article	Choodum, A; Ueta. I: Saito. Y:	Evaluating the performance of three GC columns commonly used Novel fire investigation technique using needle extraction in gas	Analytical Methods Analytical Sciences	2011 2010	3(7): 1525–34 26(11): 1127–32	MS MS	The analysis of debris recovered from fire scenes for the A novel fire investigation technique using a needle extra
Journal Article	Insam, H;	Volatile organic compounds (VOCs) in soils	Biology and Fertility of Soils	2010	46(3): 199–213	MS	Soils may act as sources or sinks of volatile organic
Journal Article	Sandercock, P	Survey of Canadian Gasoline (Winter 2010)	Canadian Society of Forensic Science Journal	2012	45(2): 64–78	MS	Seventy-three samples of motor gasoline, collected in v
Dissertation	DeGreeff, L	Development of a Dynamic Headspace Concentration Technique	Florida International University	2010	233pp	MS	Human scent and human remains detection canines at
Journal Article	Mikuma, T;	A quick discrimination of vegetable oil by solid-phase	Forensic Science International	2010	198(1-3): 79–84	MS MS	A trace amount of vegetable oil was picked up with soli
Journal Article Journal Article	Montani, I; Muller, D; Levy,	The sampling of ignitable liquids on suspects' hands Detection of gasoline on arson suspects' hands	Forensic Science International Forensic Science International	2010 2011	194(1-3): 115–24 206(1-3): 150–4	MS	In arson cases, the collection and detection of traces or An arson suspect's contact with an ignitable liquid contact
Journal Article	Cablk, M;	Characterization of the volatile organic compounds present in the	Forensic Science International	2012	220(1-3): 118–25	MS	Human Remains Detection (HRD) dogs can be a useful
Journal Article	Prather, K;	Effect of evaporation and matrix interferences on the association of	Forensic Science International	2012	222(1-3): 242-52	MS	Identification of an ignitable liquid in fire debris evidence
Journal Article	Williams, M;	Combined target factor analysis and Bayesian soft-classification of	Forensic Science International	2012	222(1-3): 373-86	MS	A Bayesian soft classification method combined with ta
Journal Article Journal Article	Rostad, C González-	Analysis of solvent dyes in refined petroleum products by Fire debris analysis by Raman spectroscopy and chemometrics	Fuel Journal of Analytical and Applied Pyrolysis	2010 2011	89(5): 997–1005 91(1): 210–8	MS MS	Solvent dyes are used to color refined petroleum produ A paper reporting the use of Raman spectroscopy in fi
Journal Article	Cramer, J;	Improved peak selection strategy for automatically determining	Journal of Chromatography A	2011	1218(6): 824–32	MS	During the development of automated computational n
Journal Article	Nadeau, J;	Study of the interdependency of the data sampling ratio with	Journal of Chromatography A	2011	1218(50): 9091-101	MS	An in-depth study is presented to better understand he
Journal Article	Salgueiro, P;	Valid internal standard technique for arson detection based on gas	Journal of Chromatography A	2012	1257(1): 189–94	MS	The most popular procedures for the detection of resid
Journal Article	Aernecke, M;	Detection and classification of ignitable liquid residues using a	Journal of Forensic Sciences Journal of Forensic Sciences	2010	55(1): 178–84	MS MS	This paper describes the application of microsphere v
Journal Article Journal Article	Baerncopf, J; Baerncopf, J;	Effect of gas chromatography temperature program on the Association of ignitable liquid residues to neat ignitable liquids in	Journal of Forensic Sciences Journal of Forensic Sciences	2010 2010	55(1): 185–92 56(1): 70–81	MS	Five diesel samples were analyzed by gas In fire debris analysis, weathering of ignitable liquids a
Journal Article	Curran, A;	The differentiation of the volatile organic signatures of individuals	Journal of Forensic Sciences	2010	55(1): 50–7	MS	Human scent evidence is utilized as an investigative to
Journal Article	Bruno, T;	Prediction and preliminary standardization of fire debris	Journal of Forensic Sciences	2011	56(S1): S192-S202	MS	The recent National Academy of Sciences report on for
Journal Article	Monfreda, M;	Differentiation of unevaporated gasoline samples according to their	Journal of Forensic Sciences	2011	56(2): 372–80	MS	One of the aims of fire investigations is to identify ass
Journal Article Journal Article	Turner, D; Borusiewicz, R	The effect of microbial degradation on the chromatographic profiles Comparison of new Ampac bags and FireDebrisPAK® bags as	Journal of Forensic Sciences Journal of Forensic Sciences	2011 2012	56(4): 984–7 57(4): 1059–63	MS MS	Biodegradation can result in selective removal of many The FireDebrisPAK® bags that were produced by Ka
Journal Article	Grutters, M;	Performance testing of the new AMPAC fire debris bag against	Journal of Forensic Sciences Journal of Forensic Sciences	2012	57(4): 1059-63 57(5): 1290-8	MS	Fire debris evidence is collected and stored in a wide
Journal Article	Hutches, K;	A new kind of Molotov? Gasoline-pool chlorinator mixtures	Journal of Forensic Sciences	2012	57(4): 1064-9	MS	This paper investigates the reaction between pool chl
Journal Article	Sandercock, P	Preparation of pyrolysis reference samples: evaluation of a	Journal of Forensic Sciences	2012	57(3): 738-43	MS	A new, simple method for the reproducible creation of
Journal Article	Turner, D;	Comparing the effects of weathering and microbial degradation on	Journal of Forensic Sciences	2012	57(1): 64–9	MS	Ignitable liquid residues recovered from a fire scene v
Journal Article Journal Article	Contreras, P; McGee, E;	Pyrolysis products of linear alkylbenzenes— implications in fire An evaluation of standardized software for processing GC/MS data	Journal of Forensic Sciences Journal of Forensic Sciences	2013 2013	58(1): 210–6 58(3): 764–6	MS MS	In this case report, potential interferences from an imp Forensic science laboratories perform analyses on a
Journal Article	Roberts, K;	Using paint to investigate fires: an ATR-IR study of the degradation		2013	58(2): 495–9	MS	Fire investigation is a challenging area for the forensic
Journal Article	Okamoto, K;	Evaporation characteristics of multi-component liquid	Journal of Loss Prevention in the Process	2010	23(1): 89–97	MS	Evaporation rate of multi-component liquid such as m
Journal Article	Bruno, T; Allen,	Weathering patterns of ignitable liquids with the advanced	Journal of Research of NIST	2013	118(1): 29-51	MS	One can take advantage of the striking similarity of ign
Journal Article	Yang, Z;	Method development for fingerprinting of biodiesel blends by solid-	Journal of Separation Science	2011	34(22): 3253-64	MS	A method based on the combination of solid-phase ex
Journal Article Journal Article	Heo, S-Y; Shin, Martín-Alberca,	Using stable isotope analysis to discriminate gasoline on the basis Anionic markers for the forensic identification of chemical ignition	Rapid Communications in Mass Spectrometry Science & Justice	2012 2013	26(5): 517–22 53(1): 49–54	MS MS	RATIONALE Leakage of gasoline and diesel from An improved version of the famous Molotov cocktail is
Journal Article	Sturaro, A;	Fire debris analysis and scene reconstruction	Science & Justice	2013	aheadofpublication	MS	During the summer of 2010 near a little village in the
Journal Article	Caroprese, A;	HS-SPME-GC-MS analysis of body odor to test the efficacy of foot	Skin Research and Technology	2010	15(4): 503-510	MS	Background/purpose: Foot malodor is mostly due to s
Journal Article	Baechler, S;	Extraction and concentration of vapors from fire debris for forensic	Talanta	2010	82(4): 1247-53	MS	The Radiello Passive Air Sampler is one of the latest
Journal Article Journal Article	Harvey, S;	Characterization of diesel fuel by chemical separation combined	Talanta	2012 2013	99(1): 262–9	MS	The purpose of this study was to perform a prelimina
Book	Kabir, A; Icove, D;	Recent advances in micro-sample preparation with forensic Forensic Fire Scene Reconstruction	TrAC Trends in Analytical Chemistry 527 pages ISBN: 978-0-13-222857-2 BF9691	2013	45(1): 264–79 Second edition	MS MS	Sample preparation in forensic science offers special Describes and illustrates a new systematic approach
Book	Stauffer, E;	Fire Debris Analysis	Academic Press; ISBN: 978-0-12-663971-1	2008	First edition	DCM	The study of fire debris analysis is vital to the function
Journal Article	Lennard, C;	GC-MS target compound chromatography for the detection and	Advances in Forensic Science	1995	3: 182-186	DCM	Conventional gas chromatographic analysis of highly
Journal Article	Bates, JW	Variations in headspace vapour compositions according to	Advances in Forensic Sciences	1995	3: 172-177	MS	dependents of the headspace composition a volatile
					0 170 101		
Journal Article	Breek, R	An automatic forensic arson analyzer	Advances in Forensic Sciences	1995	3: 178–181	MS	
Journal Article Journal Article Journal Article	Carlsson, G;	Conserving samples of fire debris suspected of containing			3: 178–181 3: 187–190 3: 191–195	MS MS MS	debris in places where they are protected from the fla
Journal Article Journal Article Application Note	Carlsson, G; Rochaix, VT; Agilent	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatty acid methyl esters	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Agilent Technologies	1995 1995 1995 2005	3: 187–190 3: 191–195 Number: 5989-	MS	debris in places where they are protected from the fla principally ethanol to which has been added small qu
Journal Article Journal Article Application Note Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatty acid methyl esters Biodegradation of volatile organic compounds in soil samples	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglient Technologies American Environmental Laboratory	1995 1995 1995 2005 1997	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7	MS MS MS	debris in places where they are protected from the fla principally ethanol to which has been added small qu
Journal Article Journal Article Application Note	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatty acid methyl esters Biodegradation of volatile organic compounds in soil samples	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Agilent Technologies	1995 1995 1995 2005	3: 187–190 3: 191–195 Number: 5989-	MS MS	debris in places where they are protected from the fla principally ethanol to which has been added small qu The analysis of fatty acid methyl esters (FAMEs), de
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Journal Article Journal Article Application Note Journal Article Journal Article Standard Journal Article Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy,	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of stay acid methy esters Biodegradation of violatile organic compounds in soil samples Advanced on trap technology in an economical detector for GC AOCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Agilent Technologies American Environmental Laboratory American Laboratory American Oil Chemists' Society Analytica Chimica Acta Analytica Chimica Acta	1995 1995 1995 2005 1997 1983 1990 2007	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7 June: 51-56 236: 183-195 589(2): 247-254	MS MS MS MS MS MS	debris in places where they are protected from the fit principally ethanol to which has been added small qu The analysis of fatty acid methyl esters (FAMEs), di The method is applicable to common fats, cilis, and fi Abroad review of current methods for the recovery of A novel method has been developed for the extraction.
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Journal Article Journal Article Application Note Journal Article Journal Article Standard Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Señoránsa, FJ; Tan, B; Hardy,	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of violatile organic compounds in soil samples Advanced in Irra betenhology in an economical detector for GC ACCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectrometry based Chemiometric analysis of diesel fuel for forensic and environmental Analysis of fatly acids in foods by supercritical fluid chromatography Accelerant classification by gas chromatography for forensic for the production of the Chemiometric analysis of diesel fuel for forensic and environmental Analysis of fatly acids in foods by supercritical fluid chromatography Accelerant classification by gas chromatography forensical fluid chromatography	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglant Technologies American Environmental Laboratory American Laboratory American Oil Chemists' Society Analytica Chimica Acta	1995 1995 1995 2005 1997 1983 1990 2007 1992 2008 2002 2000	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7 June: 51-56 236: 183-195 589(2): 247-254 259(2): 225-235 608(2): 159-171 465(1-2): 131–144 422(1): 37-46	MS M	debris in places where they are protected from the fit principally ethantol to which has been added small qu. The analysis of fatty acid methyl esters (FAMEs), de the analysis of fatty acid methyl esters (FAMEs), de the analysis of fatty acid methyl esters (FAMEs), de the analysis of fatty acid methyl esters (FAMEs), de the analysis of fatty acid method has been developed for the extraction An analysis system is presented that is specifically go Diesel fuel samples were analysed using gas chromat The separation of fatty acids (as fatty acid methyl est Petroleum-based accelerants are commonly associated).
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Journal Article Journal Article Application Note Journal Article Application Note Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Senorainsa, FJ; Tan, B; Hardy, Dolan, J Lu, Y; Chen, P; Turner, D; Ruiz-Lopez, N; Bertsch, W Clark, H; Jurs, P Keto, R; Metcalfe, LD; Sigman, ME;	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of Volatile organic compounds in soil samples Advanced in they bechnology in an economical detector for GC ACCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectometry based Chemometric analysis of diesel fuel for forensic and environmental Analysis of fatly acids in floods by supercritical fluid chromatography Accelerant classification by gas chromatography/mass spectometry based Chemometric analysis of diesel fuel for forensic science to fire Comparison of differential mobility spectometry and mass The effects of microbial degradation on ignitable liquids Sequential on-step extraction and analysis of triacyloperoris and Chemical analysis of fire about an analysis of fire debris was a consideration of the production of petroleum sample type from gas Detection of petroleum-based accelerants in fire debris by target Rapid preparation of fatty acid esters from lipids for gas Covariance mapping in the analysis of Ignitable liquids by gas	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglient Technologies American Environmental Laboratory American Laboratory American Laboratory American Laboratory American Laboratory American Laboratory Analytica Chimica Acta Analytical Chemistry Analytical and Bioanalytical Chemistry Analytical and Bioanalytical Chemistry Analytical Chemistry	1995 1995 1995 2005 1997 1983 1990 2007 1992 2008 2002 2000 2003 2009 2009 2003 1996 1975 1991 1966 2006	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7 June: 51-56 236: 183–195 589(2): 247–254 680(2): 159–171 465(1-2): 131–144 422(1): 37-46 376(8): 168–1171 36(3): 514–515 68(17): 5414–545A 47(3): 374–378 38(3): 541–515	MS DCM MAT MS DCM MS	debris in places where they are protected from the fit principally ethnicated to which has been added small gut. The analysis of fatty acid methyl esters (FAMEs), de The method is applicable to common fats, cills, and fi Abroad review of current methods for the recovey of A novel method has been developed for the extraction of An analysis systems is presented that is specifically of blees flued samples were analyzed using gas chrome. The separation of fatty acids (as fatty acid methyl est Petroleum-based accelerants are commonly associal. The forensic discipline of ignitable liquid and fire deb The significance of forensic area analysis accelerate. The identification of ignitable liquid residues in fire de A method for plant tissue digestion and triacytlycer. No abstract http://pubs.acs.org/dci/pdf/10.1021/ac6033530639 bellemental compositions of each of 100 to 500 differer. This paper describes a very rapid technique for prep. The covariance matrix computed from the retention is of the covariance matrix computed from the retention is antix computed from the retention is described.
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Journal Article Journal Article Application Note Journal Article Application Note Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewit, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Senoránsa, FJ; Tan, B; Hardy, Dolan, J Lu, Y; Chen, P; Turner, D; Ruiz-Lopez, N; Bertsch, W Clark, H; Jurs, P Keto, R; Metcaffe, LD; Sigman, ME; Sigman, MC; S	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of Vedatile organic compounds in soil samples Advanced in thray bechnology in an economical detector for GC AOCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectometry based Chemometric analysis of diesel fuel for forensic and environmental Analysis of fatly acids in foods by supercritical fluid chromatography Accelerant classification by gas chromatography/mass spectometry based Chemometric analysis of diesel fuel for forensic acid environmental Analysis of fatly acids in foods by supercritical fluid chromatography-Accelerant classification by gas chromatography/mass in Recent advances in the applications of forensic science to fire Comparison of differential mobility spectrometry and mass The effects of microbial degradation on ignitable liquids Sequential on-set peutraction analysis of fire dylopkerors and Chemical analysis of fire abe peutraction and analysis of fire dylopkerors and Chemical analysis of fire abe in publication of petroleum-based accelerants in fire debris by target Rapid preparation of fatty acid esters from lipids for gas Covariance mapping in the analysis of lipids for gas Covariance mapping in the analysis of lipids for gas Covariance mapping and Arson analysis by mass chromatography Mass spectral characterization of petroleum dyes, tracers, and Determination of liquid accelerants in arson suspected fire debris AOAC 983.22 Methyl esters of fatty acids in oil and fats A beginner's guide to mass spectrometry of fatty acids: Part 1 Albeginner's guide to mass spectrometry of fatty acids: Part 2 High temperature HT-5 capillary CC columns	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglent Technologies Aglent Technologies American Environmental Laboratory American Laboratory American Laboratory American Laboratory American Sciences Analytica Chimica Acta Analytical Chimistry Analytical Chemistry Analytical Chemis	1995 1995 2005 1997 1997 1993 1990 2007 1992 2008 2002 2000 2003 2009 2009 2009 2009 2009	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7 June: 51-56 236: 183–195 589(2): 247–254 589(2): 225–235 606(2): 159-171 465(2): 131–144 422(1): 37-46 376(8): 131–134 422(1): 37-46 376(8): 131–134 422(1): 37-46 376(8): 131–131 36(3): 51-6-157 394(1): 363–371 36(3): 514–515 47(3): 374–373 63(18): 1964–1971 36(3): 514–515 47(3): 374–371 47(3): 374–351 47(3): 374–31 57(9): 1984–1902 33(4): 129–131 online Application Note 36 51(8): 1118–1124	MS M	debris in places where they are protected from the fit principally ethnicated to which has been added small gut. The analysis of fatty acid methyl esters (FAMEs), de The method is applicable to common fats, cils, and fi Abrorad review of current methods for the recovery of A novel method has been developed for the extraction of A novel method has been developed for the extraction of An analysis systems in presented that is specifically of blees full using asc chroms the specifically of the search of t
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Journal Article Journal Article Application Note Journal Article Application Note Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Senoránsa, FJ; Tan, B; Hardy, Dolan, J Lu, Y; Chen, P; Turner, D; Ruiz-Lopez, N; Bertsch, W Clark, H; Jurs, P Keto, R; Metcalfe, LD; Sigman, ME;	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of violatile organic compounds in soil samples Advanced in this pleechology in an economical defector for GC AOCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectometry based Chemometric analysis of diseaft fuel for forensic and environmental Analysis of fatly acids in foods by supercritical fluid chromatography-Accelerant classification by gas chromatographymass Recent advances in the applications of forensic science to fire Comparison of differential mobility spectrometry and mass The effects of microbial degradation on ignitable liquids Sequential conset per strategies and analysis of fire debris was a consequent of the comparison of deferential mobility spectrometry and mass The effects of microbial degradation on ignitable liquids Sequential conset per strategies and analysis of fire debris deprivation of Chemical analysis of fire debris described in the strategies of the s	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglient Technologies American Environmental Laboratory American Laboratory American Laboratory American Laboratory American Laboratory American Laboratory Analytica Chimica Acta Analytical Chimical Chimistry Analytical and Bioanalytical Chemistry Analytical Chemistry Analytic	1995 1995 1995 1995 1997 1983 1990 2007 1992 2008 2002 2000 2003 2009 2009 2009 2009 2009	3: 187–190 3: 191–195 Number: 5989- 9(7): 5-7 June: 51-56 236: 183–195 589(2): 247–254 680(2): 159–171 465(1-2): 131–144 422(1): 37-46 376(8): 168–1171 36(3): 51-51 394(8): 2061-2067 394(1): 363–371 317(2): 247–254 68(17): 541A–545A 47(3): 374–515 68(17): 541A–545A 47(3): 373–317(2): 247–254 68(17): 541A–545A 47(3): 373–317(2): 247–254 68(18): 1199–1371 36(3): 514–515 7(9): 846–3465 47(3): 3399–1409A 57(9): 894–1902 33(4): 129–131 online online online 61(8): 1118–1124 (16): 9-12 8(4): 84-107 3(5): 1–3 7(5): 56-68 8(2): 47-49 2(3): 9-13 5(1): 6-11 6(4): 65-71 1(5): 5-12 7(1): 1-5 9(1): 13-19 6(2): 32-40	MS M	debris in places where they are protected from the fig- principally ethancia to which has been added small gui. The analysis of fatty acid methyl esters (FAMEs), de The method is applicable to common fats, oils, and fi Abrorad review of current methods for the recovery of A novel method has been developed for the extraction An analysis system is presented that is specifically of Diesel fuel samples were analyzed using gas chromi The separation of fatty acids (as fixty acid methy est Petroleum-based accelerants are commonly associal The significance of forensic aros nanalysis accelerant. The identification of signitable liquid and fire deb The significance of forensic aros nanalysis accelerant. The identification of signitable liquid residues in fire de A method for plant tissue disjection and trisucyleypere. No abstract The interdisciple of signitable liquid residues in fire de A method for plant tissue disjection and trisucyleypere. No abstract The significance of forensic aros nanalysis accelerant. A set of 10 fresh (unexported) gasoline samples for No abstract A set of 10 fresh (unexportated) gasoline samples for No abstract A tis simplest, mass spectrometry (MS) is a techniq In Part 1 of this topic, I used an analogy in which ma HT-5 aluminum date of the detection of selected flammable No abstract No abstract No abstract No abstract Solventer transform infrared (FT-IR) spectra of 27 (No Abstract) Introduction: Steam distillation of aron No Abstract No abstract No Abstract Summary: Currently four different met No Abstract No Abstract Summary: Currently four different met No Abstract No Abstract Summary: Currently four different met No Abstract No Abstract Summary: Currently four different met No Abstract Summary:
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Journal Article Journal Article Application Note Journal Article Application Note Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewit, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Senorainsa, FJ; Tan, B; Hardy, Dolan, J Lu, Y; Chen, P; Turner, D; Ruiz-Lopez, N; Bertsch, W Clark, H; Jurs, P Keto, R; Metcaffe, LD; Sigman, ME;	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of Vedatile organic compounds in soil samples Advanced in thray technology in an economical detector for GC AOCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectrometry based Chemometric analysis of diesel fuel for forensic and environmental Analysis of fatly acids in foods by supercritical fluid chromatography Accelerant classification by gas chromatography-mass spectrometry based Chemometric analysis of diesel fuel for forensic acience to fire Comparison of differential mobility spectrometry and mass The effects of microbial degradation on ignitable liquids Sequential on-set per dark and analysis of fire dyplogerors and Chemical analysis of fire debris. Was it arson? Outlatilet we determination of petroleum-based accelerants in fire debris by target Rapid preparation of fairty acid esters from highs for gas Covariance mapping in the analysis of figurable liquids by gas Individualization of gasoline samples by covariance mapping and Arson analysis by mass chromatography. Mass spectral characterization of petroleum-bessed accelerants in fire debris by gas Individualization of gasoline samples by covariance mapping and Arson analysis by mass chromatography. Mass spectral characterization of petroleum dyes, tracers, and Determination of liquid accelerants in arson suspected fire debris AOAC 983.22 Methyl esters of fatty acids in oil and fats A beginner's guide to mass spectrometry of faty acids: Part 1 A legimer's guide to mass spectrometry of faty acids: Part 1 Prossible ways of identifying mineral oils, gas oils and caruretor fuels Athin layer chromatographic clearum to influent accelerants in fire atmospheres A modified technique for the collection of v	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglant Forensic Sciences Aglant Forensic Sciences Aglant Technologies American Environmental Laboratory American Laboratory American Laboratory American Laboratory American Laboratory Analytica Chimica Acta Analytica Chimista Acta Analytica Chimista Acta Analytica Chimistry Analytical and Bioanalytical Chemistry Analytical Chemistry A	1995 1995 2005 1997 1993 1997 1993 1997 1993 1996 2006 2007 2009 2009 2009 2009 2009 2009 2009	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7 June: 51-56 236: 183-195 589(2): 247-254 589(2): 225-235 60(2): 159-171 465(2): 131–144 422(1): 37-46 376(8): 136-1173 376(8): 136-1173 376(8): 137-146 376(8): 138-137 38(3): 514–515 394(8): 2061-2067 394(1): 363-371 38(3): 514–515 79(8): 3462-3468 47(3): 374–378 63(18): 1984–1992 33(4): 129–131 online application Notes 36 51(8): 118-1124 170: 12–20 5(3): 3942 1(6): 9-12 4(4): 84–107 3(5): 1–3 7(5): 56–68 8(2): 47-49 2(3): 9-13 5(1): 6-11 6(4): 65-71 1(5): 5-12 7(1): 1-5 9(1): 13-19 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11 5(6): 82-93 9(1): 1-11	MS M	debris in places where they are protected from the file principally ethnation to which has been added small guild. The analysis of fatty acid methyl esters (FAMEs), de The method is applicable to common fats, oils, and file Abrorad review of current methods for the recovery of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of the second of the search of the separation of fatty acids (as first acid methyle effect) and the separation of fatty acids (as first acid methyle effect) and the second of the separation of fatty acids (as first acid methyle acids of the second of second of the second of second of the second of th
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Journal Article Journal Article Application Note Journal Article Application Note Journal Article Journal Arti	Carlsson, G; Rochaix, VT; Agilent Hewiti, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Senforánsa, FJ; Tan, B; Hardy, Dolan, J Lu, Y; Chen, P; Turner, D; Ruiz-Lopez, N; Bertsch, W Clark, H; Jurs, P Keto, R; Metcalfe, LD; Sigman, ME;	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of violatile organic compounds in soil samples Advanced in thray betendogy in an economical detector for GC AOCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectometry based Chemometric analysis of diseaft fuel for forensic and environmental Analysis of fatly acids in foods by supercritical fluid chromatography-decelerant classification by gas chromatographymass Recent advances in the applications of forensic science to fire Comparison of differential mobility spectrometry based Chemometric analysis of display supercritical fluid chromatography-Accelerant classification by gas chromatographymass Recent advances in the applications of forensic science to fire Comparison of differential mobility spectrometry and mass The effects of microbial degradation on ignitable liquids Sequential con-step extraction and analysis of firedaply progradation on Chemical analysis of fire debris september of the Accelerants of the Accelerants of the Accelerants on Firedaply and Accelerants on A	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglent Technologies American Environmental Laboratory American Laboratory American Laboratory American Laboratory American Laboratory Analytica Chimica Acta Analytical Chimical Chemistry Analytical and Bioanalytical Chemistry Analytical Chimistry Analytical Chemistry Analy	1995 1995 2005 1997 1993 1997 1993 1990 2007 1992 2008 2002 2000 2003 2009 2003 1996 2006 2007 1992 2012 2010 1992 1995 1996 2012 2012 2012 1994 1997 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1984 1977 1985 1986 1982 1977 1986 1982 1977 1986 1982 1977 1986 1981 1981 1986 1981 1981 1986 1981 1986 1981 1986 1981 1981	3: 187–190 3: 191–195 Number: 5989- 9(7): 5–7 June: 51-55 236: 183–195 589(2): 247–254 589(2): 225–235 606(2): 159-171 485(1-2): 137–46 422(1): 37-46 376(8): 1168-1171 394(8): 2051-2667 394(1): 363–371 317(2): 247–254 68(17): 541A–545A 47(3): 374–37 63(18): 1984–1991 33(4): 129–131 online Application Note 36 51(8): 1118–1124 170: 12–20 5(3): 394–2 1(6): 9-12 8(4): 84–107 3(5): 1–3 7(5): 56–68 8(2): 47–49 5(3): 39–42 1(6): 9-12 8(4): 84–107 3(5): 1–3 7(5): 56–68 8(2): 47–49 5(1): 139–131 5(1): 6-11 6(4): 65–71 1(5): 5-12 7(1): 1–5 9(1): 13–19 9(1): 1-11 5(6): 82–29 3(5): 64–79 9(1): 1–19 9(1): 1–11 5(6): 82–93 5(5): 64–79 6(4): 73–82 2(3): 24 1(6): 48–3 3(6): 1–22 2(6): 8–20 6(1): 1–14	MS M	debris in places where they are protected from the file principally ethnation to which has been added small gut The analysis of fatty acid methyl esters (FAMEs), de Arond review of current methods for the recovery of A novel method is applicable to common fats, oils, and fi Ahrorad review of current methods for the recovery of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of the significance of forensic area oranged using gas chrome The forensic discipline of ignitable liquid residues in fire deb The significance of forensic area on analysis accelerator. In the forensic discipline of ignitable liquid residues in fire de A method for plant tissue dejestion and triacylogyere No abstract history of the properties of the pr
Journal Article Journal Article Application Note Journal Article Application Note Journal Article	Carlsson, G; Rochaix, VT; Agilent Hewitt, AD Stafford, GC Jr.; American Oil Bertsch, W; Bodle, E; Hardy, Holzer, G; Hupp, A; Senoránsa, FJ; Tan, B; Hardy, Dolan, J Lu, Y; Chen, P; Turner, D; Ruiz-Lopez, N; Bertsch, W Clark, H; Jurs, P Keto, R; Metcaffe, LD; Sigman, ME;	Conserving samples of fire debris suspected of containing The detection and identification of denatured alcohol in fire debris Column selection for the analysis of fatly acid methyl esters Biodegradation of Volatile organic compounds in soil samples Advanced in thrap technology in an economical detector for GC AOCS Official Method Ce 2-86 Sample preparation for the chemical analysis of debris in suspect Multivariate pattern recognition of petroleum-based accelerants by Design criteria of a gas chromatography-mass spectometry based Chemometric analysis of diesel fuel for forensic and environmental Analysis of fatly acids in floods by supercritical fluid chromatography-Accelerant classification by gas chromatography-mass spectometry based Chemometric analysis of diesel fuel for forensic and environmental Analysis of flatigation on gional analysis of triary dimensions. Accelerant classification by gas chromatography/mass spectometry and mass Recent advances in the applications of forensic science to fire Comparison of differential mobility spectrometry and mass The effects of microbial degradation on ignitable liquids Sequential on-step extraction and analysis of triarylog/becrots and Chemical analysis of fire debris. Was it aron? Qualitative determination of petroleum-sample type from gas Detection of petroleum-based accelerants in fire debris by target Rapid preparation of fatty acid esters from lipids for gas Covariance mapping in the analysis of Ingitable liquids by gas Individualization of gasoline samples by covariance mapping and Arson analysis by mass chromatography. Mass spectral characterization of petroleum dyes, tracers, and Determination of liquid accelerants in arons suspected fire debris AOAC 963.22 Methyl esters of fatty acids in oil and fats A beginner's guide to mass spectrometry of flaty acids. Part 1 Hostimore of guide to mass spectrometry of flaty acids. Part 1 Hostimore of guide to mass spectrometry of flaty acids. Part 1 Rospille ways of identifying mineral oils, gas oils and caruretor	Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Advances in Forensic Sciences Aglient Technologies American Environmental Laboratory American Laboratory American Laboratory American Laboratory American Laboratory American Laboratory American Laboratory Analytica Chimica Acta Analytical Chimical Chimistry Analytical Chimistry Analyti	1995 1995 1995 1995 1997 1983 1990 2007 1992 2008 2002 2000 2003 2009 2009 2009 2009 2009	3: 187–190 3: 191–195 Number: 5989- 9(7): 5-7 June: 51-56 236: 183-195 589(2): 247-254 58(2): 225-235 606(2): 159-171 465(2): 131–144 422(1): 37-46 376(8): 136-1173 436(8): 2061-2067 394(1): 363-371 317(2): 247-254 68(17): 5414–545 47(3): 374-37 63(18): 1964-1971 33(3): 514–515 79(9): 3462-3468 47(3): 374-37 36(3): 134-31 37(3): 542-346 36(18): 1964-1971 36(3): 314-311 37(3): 56-38 38(2): 47-49 2(3): 9-13 5(1): 56-68 8(2): 47-49 2(3): 9-13 5(1): 6-11 6(4): 65-71 6(4): 65-71 7(1): 1-5 9(1): 1-11 5(6): 82-93 5(6): 4-79 6(4): 73-82 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-12 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-12 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(3): 2-4 1(6): 4-8 3(6): 1-2 2(6): 8-2 0(1): 1-14 5(1): 1-5	MS M	debris in places where they are protected from the fla principally ethancia to which has been added small qual. The analysis of fatty acid methyl esters (FAMEs), de The method is applicable to common fats, oils, and fa Abrorad review of current methods for the recovery of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of A novel method has been developed for the extraction of the search of the searc
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Journal Article	Trimpe, M;	Training fires as exercises for laboratory analysts	Arson Analysis Newsletter	1981	5(6): 94-102	DCM	[No Abstract] Introduction: Fire departments and fire
Journal Article	Trimpe, M	Mass Fragmentography in Arson Analysis	Arson Analysis Newsletter	1983	7(2): 26-42	MS	The use of ion mass fragments generated via gas
Journal Article Standard	Woycheshin, S; ASTM	An evaluation of some distillation techniques ASTM D2800 Standard Test Method for Preparation of Methyl	Arson Analysis Newsletter ASTM International; West Conshohocken PA	1978	2(5): 1-16	MAT MS	With a dramatic increase in arson investigation submissions, Withdrawn: This test method covers a rapid procedure for
Standard	ASTM	ASTM E1386 Standard Practice for Separation and Concentration	ASTM International; West Conshohocken PA			MS	Scope 1.1 This practice covers the procedure for
Standard Standard	ASTM ASTM	ASTM E1388 Standard Practice for Sampling of Headspace ASTM E1412 Standard Practice for Separation of Ignitable Liquid	ASTM International; West Conshohocken PA ASTM International; West Conshohocken PA			MS MS	Scope 1.1 This practice covers the procedure for Scope 1.1 This practice covers the procedure for
Standard Standard	ASTM ASTM	ASTM E1413 Standard Practice for Separation and Concentration ASTM E1618 Standard Test Method for Ignitable Liquid Residues	ASTM International; West Conshohocken PA ASTM International; West Conshohocken PA			MS MS	Scope 1.1 This practice describes the procedure for Scope 1.1 This test method covers the identification of
Standard	ASTM	ASTM E2154 Standard Practice for Separation and Concentration	ASTM International; West Conshohocken PA			MS	Scope 1.1 This test method covers the identification of Scope 1.1 This practice describes the procedure for
Application Note Book	Restek DeHaan, JD;	Analyzing free fatty acids Kirk's Fire Investigation	Bellefonte PA: Restek Corporation Brady / Pearson Education 800 pages ISBN: 978-0-	1997 2012	Note 59583 Seventh edition	MAT	Chapters address every type of fire, including structure, grass
Book	Gorbett, GE;	Fire Dynamics	Brady / Prentice-Hall 352 pages ISBN: 978-0-1350-	2010	First edition		Fire Dynamics is Brady'sfirst edition textwritten to the FESHE
Journal Article Application Note	da Cunha, CD; Supelco	Gasoline biodegradation in different soil microcosms Comparison of 37 component FAME standard on four capillary GC	Brazilian Journal of Microbiology Bellefonte PA: Supelco	2000 1996	31(1): 45-49 Bulletin 907		The objective of this study was to evaluate gasoline The fatty acid composition of an average diet is a complex
Journal Article	Chalmers, J;	Degradation of gasoline, barbecue starter fluid, and diesel fuel by	Canadian Society of Forensic Science Journal	2001	34(2): 49-62	MS	The effects of microbial action on the chromatographic profile
Journal Article Journal Article	Demers-Kohls, Hrynchuk, R;	An evaluation of different evidence bags used for sampling and Vacuum distillation for the recovery of fire accelerants from charred	Canadian Society of Forensic Science Journal Canadian Society of Forensic Science Journal	1994 1977	27(3): 143-170 10(2): 41-50	MS MS	Many investigators use evidence bags as storage containers An improved design of a vacuum distillation apparatus and the
Journal Article Journal Article	Jones, G	Evaluation of a fully automated thermal desorption device for the	Canadian Society of Forensic Science Journal	1986	19(2): 141–148 35(4): 195-207	MS MS	An evaluation was made of the Perkin-Elmer Automatic One of the most common methods for the analysis of
Journal Article	Massey, D; Du Sandercock,		Canadian Society of Forensic Science Journal Canadian Society of Forensic Science Journal	2002 1994	27(3): 179-201	MS	A mixture of fresh gasoline and diesel fuel (1:1), as well as
Journal Article Journal Article	Sandercock, Sandercock,	A survey of Canadian gasoline (2004) Retention of gasoline and diesel fuel samples on charcoal:	Canadian Society of Forensic Science Journal Canadian Society of Forensic Science Journal	2007 1997	40(3): 105-130 30(4): 219-224	MS MS	Seventy-six motor gasolines, collected in 2004 from five The use of granular charcoal to store extracts eluted using a
Journal Article	Sandercock,	Chromatographic profiles of three fuel injector cleaners	Canadian Society of Forensic Science Journal	1997	30(4): 213–217	MS	In the course of a routine fire investigation, three commercially
Journal Article Journal Article	Sutherland, D Yip, HL; Clair,	The analysis of fire debris samples by GC/MS/MS Rapid analysis of accelerants in fire debris	Canadian Society of Forensic Science Journal Canadian Society of Forensic Science Journal	1997 1976	30(4): 185–189 9(2): 75-80	MS MS	This article looks at a documented case where the analysis of A system has been devloped for the identification of trace
Book	Russell, K;	Fire Investigation	Cengage learning	2009	First edition	MS	Contents: National Standards for Fire Investigators, Safety,
Book Journal Article	Quintiere, JG Cafe' T; Stern,	Principles of Fire Behavior Is it an accidental fire or arson?	Cengage Learning; ISBN: 9780827377325 Chemistry in Australia	1998 1989	First edition 56(4): 108–111	MS MS	This book covers the four forms of fire: diffusion flames, [No Abstract] Introduction: Damage from fire is Australia's
Journal Article	Hirz, R; Rizzi, A	Simulation of concentration changes in complex volatile mixtures	Chromatographia	1991	31(5/6): 224-232	MS	A method is proposed for the simulation of weathering and
Journal Article Journal Article	Jayatilaka, A; Twibell, J;	Identification of petroleum distillates from fire debris using A splitless Curie point pyrolysis capillary inlet system for use with	Chromatographia Chromatographia	1994 1981	39: 200–209 14(6): 366-370	MS DCM	A method for identifying petroleum distillates (accelerants) in A splitless Curie point pyrolysis inlet system for capillary
Journal Article	Stout, SA;	The influences of refining on petroleum fingerprinting. Part 3.	Contaminated Soil Sediment and Water	2002	Jan-Feb	MS	The operations at modern refineries impart certain chemical
Journal Article Book	Uhler, AD; Lentini, J	The influences of refining on petroleum fingerprinting. Part 1. The Scientific Protocols for Fire Investigation	Contaminated Soil Sediment and Water CRC Press	2001 2012	October Second edition	MS DCM	The majority of environmental forensics investigations involved Summary: Knowledge of the science behind fires is critical to
Journal Article	Almirall, J;	Analysis and Interpretation of Fire Scene Evidence	CRC Press Boca Raton USA	2004	First edition	MS	Ongoing advances in arson detection tools and techniques
Book Book	Nic Daéid, N Almirall, J;	Fire Investigation Analysis and Interpretation of Fire Scene Evidence	CRC Press, Boca Raton USA CRC Press; Print ISBN: 978-0-8493-7885-0 eBook	2004 2004	First edition First edition	MS MS	Summary: Fire Investigation covers the concepts and theories Ongoing advances in arson detection tools and techniques
Book Book	Bjorn, K; O'Connor, JJ;	Enclosure Fire Dynamics Practical Fire and Arson Investigation	CRC Press; ISBN 0-8493-1300-7 CRC Press; ISBN: 9780849381553	2002 1996	First edition First edition	MS MS	Table of Contents: alntroduction; A Qualitative Description of Table of Contents: Chapter 1, Arson: Chapter 2, Arson
Book	Speight, JG	The Chemistry and Technology of Petroleum	CRC Press; ISBN-10: 0849390672	2006	Second edition	MS	Refineries must not only adapt to evolving environmental
Book Journal Article	lan Tebbett Frysinger, G;	Gas Chromatography in Forensic Science: Chapter 5 GCxGC—a new analytical for environmental forensics	Ellis Horwood Publisher Environmental Forensics	1992 2002	First edition 3: 27–34	MS JV	Describes the application of gas chromatography to various Comprehensive two-dimensional gas chromatography, GC 2
Journal Article	Gaines, R; Hall	Chemometric determination of target compounds used to fingerprint	Environmental Forensics	2006	7(1): 77-87	JV	Existing oil fingerprinting standard methods target mostly high-
Journal Article Journal Article	O'Sullivan, G; Rostad, C;	Investigation of the range of carbon and hydrogen isotopes within a Profiling refined hydrocarbon fuels using polar components	Environmental Forensics Environmental Forensics	2008 2007	9(2-3): 166-176 8(1-2): 129-137	Armstrong MS	This study examined the range of carbon and hydrogen Identification of a fuel released into the environment can be
Journal Article Journal Article	Terrapon, F;	Persistence of gasoline on jeans Reflections on the cause and origin	European Academy of Forensic Science (EAFS).	1997		MS MS	Jeans treated with different quantities of accelerant were
Journal Article	Béland, B Bullington, ME	Comments on collecting accelerants from concrete	Fire & Arson Investigator Fire & Arson Investigator	1997 1986	48(1): 8–9 36(4): 48	MS	In the fire investigation process, it is generally agreed that one Letter in response to Shiok, WL. Collecting accelerants from
Journal Article Journal Article	Butterworth, JR DeHaan, JD	Accelerant detector canines: Then and now Spontaneous Ignition. Part II: Investigation	Fire & Arson Investigator Fire & Arson Investigator	1995 1996	46(2): 25–26 46(4): 8–11	MAT MAT	No abstract Investigators must be aware that spontaneous ignition can take
Journal Article	DeHaan, JD	A case of not-so-spontaneous human combustion	Fire & Arson Investigator	1997	47(4): 14–16	MS	[No Abstract] Excerpt from Introduction: Every summer, it
Journal Article Journal Article	DeHaan, JD DeHaan, JD	Our changing world. Part 3: Detection limits - is more sensitive Spontaneous ignition. Part 1: What really happens	Fire & Arson Investigator Fire & Arson Investigator	2002 1996	52(4): 20-23 46(3): 13-17	MS MS	No abstract Spontaneous ignition can be defined as the onset of burning
Journal Article	DeHaan, JD	Our changing world. Part 1: Furnishings	Fire & Arson Investigator	2002	52(2): 44-45	MS	No abstract
Journal Article Journal Article	DeHaan, JD DeHaan, JD;	Our changing world. Part 2: Ignitable liquids: petroleum distillates, Combustion explosions involving household aerosol products	Fire & Arson Investigator Fire & Arson Investigator	2002 1997	52(3): 46-47 48(1): 25-27	MS MAT	No abstract No abstract
Journal Article	DeMaine, BP;	Trace accelerant analysis of debris samples using an automated	Fire & Arson Investigator	1995	46(2): 12-14	MAT	No abstract
Journal Article Journal Article	Ellington, JM Henderson, RW	Some perspectives on fire modeling by a fire investigator Fire debris analyses: An overview of ignitable liquids (ILs)	Fire & Arson Investigator Fire & Arson Investigator	1995 1997	45(4): 36–38 48(2): 16–21	MAT	No abstract
Journal Article	Mann, DC	In search of the perfect container for fire debris evidence	Fire & Arson Investigator	2001	50(3): 21-25	MAT	No abstract
Journal Article Journal Article	Mann, DC; Reese, ND;	Alternative sampling methods to collect ignitable liquid residues Clothes dryer fires	Fire & Arson Investigator Fire & Arson Investigator	2006 1998	57(1): 43-46 48(4): 17-19	MAT MAT	No abstract No abstract
Journal Article	Schudel, D	Glass Fracture Analysis for Fire Investigators	Fire & Arson Investigator	1996	46(3): 28-35	MAT	No abstract
Journal Article Journal Article	Stewart, JW Urbas, J	Investigation of spontaneous ignition fires Use of modern test methods in fire engineering and litigation	Fire & Arson Investigator Fire & Arson Investigator	1997 1997	48(1): 38-39 48(2): 12-15	MAT	No abstract No abstract
Journal Article	Davis, J	The detection of gasoline as an accelerant	Fire and Arson Investigator	1980	30(4): 55-61	MS	[No Abstract] Introduction: The widespread occurrence of
Journal Article Journal Article	DeHaan, JD Ettling B	Laboratory aspects of arson: Accelerants, devices, and targets Will gasoline cause the undersides of boards to burn?	Fire and Arson Investigator Fire and Arson Investigator	1979 1990	29(3): 39-46 40(3): 32-33	MS MS	[No Abstract] Introduction: Arson is one of modern society's There is a common belief that if gasoline flows under a board
Journal Article	Forensic	Guidelines for laboratories performing chemical and instrumental	Fire and Arson Investigator	1988	38(4): 45-48	MAT	[No Abstract] Introduction: In May of 1987, the Forensic
Journal Article Journal Article	Lentini, J; Fultz, Lentini, J;	Forensic Science Committee position on comparison samples Glossary of terms related to chemical and instrumental analysis of	Fire and Arson Investigator Fire and Arson Investigator	1990 1989	41(2): 50-51 40(2): 25-34	MAT MAT	No abstract No abstract
Journal Article	Midkiff, C	Brand identification and comparison of petroleum products - a	Fire and Arson Investigator	1975	26(2): 18-21	MS	[No Abstract] From Introduction: In the laboratory examination
Journal Article Journal Article	O'Donnell, J O'Donnell, J	Retesting of accelerant residue samples Accelerant residue analysis by a combined solvent extraction -	Fire and Arson Investigator Fire and Arson Investigator	1992 1990	42(3): 10-14 41(1): 4-6	MAT MAT	No abstract No abstract
Journal Article	O'Donnell, JF	The sampling of burned areas for accelerant residue analysis	Fire and Asson Investigator	1985	35(4): 18-20	MS MAT	[No Abstract] Excerpt: Reported herein are some conclusions
Journal Article Journal Article	Sanderson, JL; Trimpe, M;	Sampling techniques for accelerant residue analysis Comparing gasoline samples in the forensic laboratory	Fire and Arson Investigator Fire and Arson InvestJgator	1990 2002	40(3): 35-40 52(4): 28	MAT	No abstract No abstract
Journal Article	Mann, DC; Fitz, Hurteau, WK	Washing machine effluent may provide clues in dryer fire The arson evidence package	Fire Findings	1999 1973	7:44 67(4):47-54	MS MS	role spontaneous combustion ofcooking oils (and other oils)
Journal Article	Okamoto, K;	Changes in evaporation rate and vapor pressure of gasoline with	Fire Safety Journal	2009	44(5): 756-763	Armstrong	The evaporation properties of motor gasoline are expected to
Journal Article	Ettling, BV; Willson, D	Spontaneous combustion of linseed oil in sawdust A unified scheme for the analysis of light petroleum products used	Fire Technology Forensic Science	1971 1977	7(3): 225-236 10(3): 243-252	MS MAT	The authors tested mixtures of boiled linseed oil and sawdust A comprehensive scheme for the gas chromatographic
Journal Article	Allen, S;	The National Center for Forensic Science Ignitable Liquids	Forensic Science Communications	2006	8(2)	MS	A 1998 national survey of forensic science laboratories found
Journal Article Journal Article	Koussaifes, P TWGFEX	Evaluation of fire scene contamination by using positive-pressure Quality assurance guide for the forensic analysis of ignitable liquids	Forensic Science Communications Forensic Science Communications	2002 2006	4(4) 8(2)	DCM DCM	Specifically, this paper determines if using a gasoline-powered 1. Scope 1.1. The goal of a laboratory's fire debris analysis
Journal Article	Van	An unusual arson case: Polymer grains, a mineral spirit, solid bricks	Forensic Science Communications	2002	4(1)	MAT	Results indicated that the polyethylene grains in the incendiary
Journal Article Journal Article	Borusiewicz, R; Cavanagh, K;		Forensic Science International Forensic Science International	2006 2002	160(2-3): 115-126 125(1): 22-36	MS PA	The presented research consisted in a series of field This study was undertaken to test the theory that there is a
Journal Article	Cavanagh-	The transfer and persistence of petrol on car carpets	Forensic Science International	2005	147(1): 71-79	PA	The significance of the presence of petrol in motor vehicle fires
lournal Article Iournal Article	Coulson, S; Darrer, M;		Forensic Science International Forensic Science International	2000 2008	112(2-3): 135-141 175(2-3): 171-178	PA PA	This study was aimed at measuring the approximate amount of The identification of an arsonist remains one of the most
Iournal Article	Dekeirsschieter	Cadaveric volatile organic compounds released by decaying pig	Forensic Science International	2009	189(1-3): 46-53	MAT	Forensic entomology uses pig carcasses to surrogate human
lournal Article Iournal Article	Frontela, L; Hendrikse, J		Forensic Science International Forensic Science International	1995 2007	75: 11–23 167(2-3): 213-219	MAT MS	Two different methods of recovering arson accelerants from The Fire and Explosion Investigation Working Group of the
Journal Article Journal Article	Hoffman, EM;	Characterization of the volatile organic compounds present in the The use of vacour phase ultra-violet spectroscopy for the analysis	Forensic Science International Forensic Science International	2009 2001	186(1-3): 6-13 123(2-3): 191-201		Law enforcement agencies frequently use canines trained to A method has been developed for the analysis of arson
lournal Article Iournal Article	McCurdy, R; Palmiere, C;	Ignition of a human body by a modest external source: A case report	Forensic Science International	2001	123(2-3): 191-201 188(1-3): e17-e19		A case of sustained combustion of a human body that
Iournal Article	Saitoh, N; Sandercock,	Fluorescence imaging of petroleum accelerants by time-resolved	Forensic Science International Forensic Science International	2006 2008	163(1-2): 38-50 176(2-3): 93-110	MS MS	In this paper, fluorescence of petroleum accelerants such as Next to natural disasters fires cause some of the greatest
lournal Article Iournal Article	Sandercock, Sandercock,	Chemical fingerprinting of unevaporated automotive gasoline	Forensic Science International Forensic Science International	2003	176(2-3): 93-110	MS	The comparison of two or more samples of liquid gasoline
lournal Article	Sandercock, Sandercock.	Chemical fingerprinting of gasoline: Part 3. Comparison of Chemical fingerprinting of gasoline: 2. Comparison of unevaporated	Forensic Science International	2004 2004	140(1): 71-77 140(1): 43-59	MS MS	A gas chromatography-mass spectrometry with selected ion Analysis of the CO- to C2-naphthalene compounds present in
Journal Article	Stauffer, E;	ASTM standards for fire debris analysis: A review	Forensic Science International	2003	132(1): 63-67	DCM	The American Society for Testing and Materials (ASTM)
Journal Article	Touron, P; Thatcher, P	Semi-automatic analysis of fire debris The scientific investigation of fire causes	Forensic Science International Forensic Science Progress	2000 1986	110(1): 7-18 1(1): 117–151	DCM MS	Automated analysis of fire residues involves a strategy which The investigation of fire causes is notoriously one of the most
	Bertsch, W	Analysis of accelerants in fire debris — data interpretation	Forensic Science Review	1997	9(1): 2-22	MS	Analysis of accelerants in fire debris involves the isolation of
Journal Article Journal Article		Contemporary sample preparation methods for the detection of	Forensic Science Review	1999 1991	11(2): 141-156 3(1): 57-69	MS MS	The isolation of ignitable liquid components, usually petroleum- Forensic scientists use various techniques to separate
Journal Article Journal Article Journal Article	Bertsch, W;	Methods of fire debris preparation for detection of accelerants	Forensic Science Review				
Journal Article Journal Article Journal Article Journal Article Journal Article	Bertsch, W; Caddy, B; Hess, PS;	Oxidation of linseed oil. Temperature effects	Industrial & Engineering Chemistry	1950	42(7): 1424–1431	MS	The effects which differences in the reaction temperature exert
Journal Article Journal Article Journal Article Journal Article Journal Article Journal Article	Bertsch, W; Caddy, B; Hess, PS; Sigman, ME;	• •		1950 2008 2010	42(7): 1424–1431 36(4): 375-393 Second edition	MS MS MS	The effects which differences in the reaction temperature exert. The mass spectra calculated by summing the intensities of This 2nd Edition manual is designed to provide fire
Journal Article Book Journal Article	Bertsch, W; Caddy, B; Hess, PS; Sigman, ME; International Fire Whyte,C;	Oxidation of linseed oil. Temperature effects Ignitiable liquid classification and identification using the summed- Fire Investigator Fast fingerprinting of arson accelerants by proton transfer reaction	Industrial & Engineering Chemistry Instrumentation Science & Technology International Fire Service Ttraining Association International Journal of Mass Spectrometry	2008 2010 2007	36(4): 375-393 Second edition 263(2-3): 222-232	MS MS MAT	The mass spectra calculated by summing the intensities of This 2nd Edition manual is designed to provide fire Current techniques for the forensic analysis of fire debris as a
Journal Article Journal Article Journal Article Journal Article Journal Article Journal Article Book Journal Article Journal Article Journal Article Journal Article	Bertsch, W; Caddy, B; Hess, PS; Sigman, ME; International Fire	Oxidation of linseed oil. Temperature effects Ignitiable liquid classification and identification using the summed- Fire Investigator Fast fingerprinting of arson accelerants by proton transfer reaction	Industrial & Engineering Chemistry Instrumentation Science & Technology International Fire Service Ttraining Association	2008 2010	36(4): 375-393 Second edition	MS MS	The mass spectra calculated by summing the intensities of This 2nd Edition manual is designed to provide fire
Journal Article Book Journal Article Book Book Book Book	Bertsch, W; Caddy, B; Hess, PS; Sigman, ME; International Fire Whyte,C; Wade, M	Oxidation of linseed oil. Temperature effects lgnitable liquid classification and identification using the summed- Fire Investigator Fast fingerprinting of arson accelerants by proton transfer reaction Thoughts on manufacturing changes in the US petroleum industry.	Industrial & Engineering Chemistry Instrumentation Science & Technology International Fire Service Ttraining Association International Journal of Mass Spectrometry International Journal of Soil Sediment and Water	2008 2010 2007 2009	36(4): 375-393 Second edition 263(2-3): 222-232 2(1): 1-10	MS MS MAT MAT	The mass spectra calculated by summing the intensities of This 2nd Edition manual is designed to provide fire Current techniques for the forensic analysis of fire debris as a Techniques for the hydrocarbon fingerprinting and age-dating

Journal Article	Blackledge, RD	The recovery and identification of flammable liquids in suspected	Journal Chemical Education	1974	51(8): 549-550	MS	The described experiment here takes the place of two
Journal Article	Almirall, J;	Characterisation of background and pyrolysis products that may	Journal of Analytical and Applied Pyrolysis	2004	71(1): 51-67		An important aspect of an investigation of a suspected arson
Journal Article Journal Article	Driscoll, J Koussaifes, P;	Identification of hydrocarbons in complex mixtures using a variable Profile matching for the analysis of accelerants in suspected arson	Journal of Chromatographic Science Journal of Chromatographic Science	1982 1993	20(2): 91-94 31(4): 137-144		The response ratio of a PID run sequentially with 9.5, 10.2, or
Journal Article	Ganzler, K;	Microwave extraction—a novel sample preparation method for	Journal of Chromatography	1986	371: 299–306	JV	Software for the matching of gas chromatographic profiles Luohanguo(Siraitia grosvenorii) is a special agricultural
Journal Article	Adam, F;		Journal of Chromatography A	2008	1186(1-2): 236-244	MS	In the current energetic context (increasing consumption of
Journal Article Journal Article	Bertsch, W Bowver, JR:	Volatiles from carpet: A source of frequent misinterpretation in	Journal of Chromatography A	1994 1997	674(1-2): 329-333	MS MS	Carpet and carpet padding are frequently submitted to Supercritical fluid extraction (SFE) and Soxhlet extraction were
Journal Article Journal Article	Bowyer, JR; Brettel, T;	Comparison of supercritical fluid extraction and Soxhlet extraction of Detection of arson accelerants using dual wide-bore bonded-phase	Journal of Chromatography A Journal of Chromatography A	1997	787(1-2): 171–179 358: 423–428		[No Abstract] From Introduction: In a previous report we have
Journal Article	Furton, K;	Application of solid-phase microextraction to the recovery of	Journal of Chromatography A	2000	885(1-2): 419-432	JV	A current review of the application of solid-phase
Journal Article	Johansen N;	Quantitative analysis of hydrocarbons by structural group type in	Journal of Chromatography A	1983	256(1): 393-417	MS	The questions related to the analysis of complex gasoline
Journal Article Journal Article	Kamal-Eldin, A; Makas, A;	Characterisation of aldehydic acids in used and unused frying oils Field gas chromatography-mass spectrometry for fast analysis	Journal of Chromatography A Journal of Chromatography. B, Analytical	1997 2004	776: 245–254 800(1-2): 55-61	DCM MS	Aldehydic acids, expected to be present in auto-oxidised lipids The objective of this presentation is to demonstrate the original
Journal Article	Adams, DL	The extraction and identification of small amounts of accelerants	Journal of Criminal Law, Criminology and Police	1956	47(5): 593-596	MS	No abstract
Journal Article	deVos, B;	Organic vapors emitted from the plumes of pool fires on carpet	Journal of Fire Sciences	1999	17(5): 383-420	MAT	When an accelerant is poured onto an absorbent material,
Journal Article	DeHaan, JD	The dynamics of flash fires involving flammable hydrocarbon liquids	Journal of Forensic Medicine and Pathology	1996	17(1): 24-31		Victims of fires are sometimes discovered to have less-than-
Journal Article Journal Article	Vella, A Aldridge, T;	Arson investigation using the ion trap detector Fractionation of accelerants and arson residues by solid phase	Journal of Forensic Science Society Journal of Forensic Sciences	1992 1986	32(2): 131-142 31(2): 666-686	MAT MS	The sample of fire debris consisted of burned wood, plywood, Adsorption elution extracts of fire debris are separated on solid
Journal Article	Alexander, J;	Fluorescence of petroleum products. II. Three-dimensional	Journal of Forensic Sciences	1987	32(1): 72-78	MS	The technique of three-dimensional fluorescence, first used in
Journal Article	Almirall, J;	The detection and analysis of ignitable liquid residues extracted	Journal of Forensic Sciences	2000	45(2): 453-461	MS	A simple, fast, inexpensive, and sensitive technique for the
Journal Article	Andrasko, J	The collection and detection of accelerant vapors using porous	Journal of Forensic Sciences	1983	28(2): 330-344	MS	The sampling of organic vapors from arson residues using
Journal Article Journal Article	Armstrong, A; Armstrong, A;	The evaluation of the extent of transporting or "tracking" an Identification of accelerants in fire residues by capillary column gas	Journal of Forensic Sciences Journal of Forensic Sciences	2004 1978	49(4): 741-748 23(4): 662-671	MS MS	Tests have determined that boots or shoes of individuals at a Since the early 1960s, gas chromatography has been used as
Journal Article	Barnes, A;	Comparison of gasolines using gas chromatography-mass	Journal of Forensic Sciences	2004	49(5): 29-34		Gas chromatography-mass spectrometry was used to
Journal Article	Barshick, SA	Analysis of accelerants and fire debris using aroma detection	Journal of Forensic Sciences	1998	43(2): 284-293		The purpose of this work was to investigate the utility of
Journal Article Journal Article	Baylon, A; Borusiewicz, R;	Evaluation of the self-heating tendency of vegetable oils by Comparison of the effectiveness of Tenax TA and Carbotrap 300 in	Journal of Forensic Sciences Journal of Forensic Sciences	2008 2007	53(6): 1334-1343 52(1): 70-74	MS MS	The evaluation of the self-heating propensity of a vegetable (or Comparison of the effectiveness of Tenax TA and Carbotrap
Journal Article	Brunelle, R;	A quality assurance program for the laboratory examination of arson	Journal of Forensic Sciences	1982	27(4): 774-782	PA	A statistically valid number of case examinations are reviewed
Journal Article	Bryce, KL;		Journal of Forensic Sciences	1981	26(4): 678-685	PA	This paper describes a new technique for analyzing fire debris
Journal Article	Buckleton, JS;	A problem of hydrocarbon profile modification by charcoal	Journal of Forensic Sciences	1989	34(2): 449-453	PA	A selective modification of mineral turpentine in the presence
Journal Article Journal Article	Burd, D Clodfelter, R:	Arson and fire investigation: The function of the criminalist A comparison of decomposition products from selected burned	Journal of Forensic Sciences Journal of Forensic Sciences	1962 1977	7(4): 417-430 22(1): 116-118	MS PA	cases frequently renders valuable information in both The purpose of this study was to determine whether or not the
Journal Article	Coulombe, R	Chemical analysis of vegetable oils following spontaneous ignition	Journal of Forensic Sciences	2002	47(1): 195–201	PA PA	Two cases of spontaneous ignition of vegetable oil in fabrics
Journal Article	Coulombe, R	Chemical markers in weathered gasoline	Journal of Forensic Sciences	1995	40(5): 867-873	MS	GC/MS of different products and fire debris samples were run
Journal Article	Covey, E	Application of energy dispersive x-ray spectroscopy in fire	Journal of Forensic Sciences	1977	22(2): 325-328	PA	The classic examination of arson-related evidence in the
Journal Article	deVos, B; Dietz, W	Detection of petrol (gasoline) in fire debris by gas Improved charcoal packaging for accelerant recovery by passive	Journal of Forensic Sciences Journal of Forensic Sciences	2002 1991	47(4): 736-756 36(1): 111-121		The study investigated petrol as an accelerant. Analysis These alternatives take advantage of the diffusion of volatiles
Journal Article	Dolan, J:	Aromatic content in medium range distillate products—part I: An	Journal of Forensic Sciences	2004	49(5): 992-1004		Samples of 50 such distillate-type products were obtained and
Journal Article	Ehara, Y;	A method for forensic identification of vegetable oil stains—rapid	Journal of Forensic Sciences	2001	46(6): 1462-1469		A simple method using purge-and-trap gas
Journal Article	Ettling, B	Determination of hydrocarbons in fire remains	Journal of Forensic Sciences	1963	8(2): 261-267		No abstract
Journal Article Journal Article	Ettling, B; Frenkel, M;	The study of accelerant residues in fire remains Enhanced sensitivity in analysis of arson residues: An adsorption-	Journal of Forensic Sciences Journal of Forensic Sciences	1968 1984	13(1): 76-89 29(3): 723-731	MAT MAT	A simple method using purge-and-trap gas The headspace of samples taken from fire scenes were
Journal Article	Frysinger, G;	Forensic analysis of ignitable liquids in fire debris by comprehensive	Journal of Forensic Sciences	2002	47(3): 471-482	MAT	The application of comprehensive two-dimensional gas
Journal Article	Furton, KG;	A novel method for the analysis of gasoline from fire debris using	Journal of Forensic Sciences	1996	41(1): 12–22	JV	Solid-phase microextraction (SPME) has been adapted for the
Journal Article	Gambrel, A;	Extraction, derivatization, and analysis of vegetable oils from fire	Journal of Forensic Sciences	2008	53(6): 1372-1380	JV	Vegetable oils have the ability to spontaneously heat under
Journal Article Journal Article	Gilbert, M Harris, A;	The use of individual extracted ion profiles versus summed GC-MS of ignitable liquids using solvent-desorbed SPME for	Journal of Forensic Sciences Journal of Forensic Sciences	1998 2003	43(4): 871-876 48(1): 41-46	JV MS	Mass spectrometry has become commonplace in the area of Solid-phase microextraction (SPME) is well documented with
Journal Article	Harris, A; Hetzel, SS;	How long after waterproofing a deck can you still isolate an ignitable	Journal of Forensic Sciences Journal of Forensic Sciences	2005	50(2): 369-376		Dried, treated wood was sealed with Thompson's WaterSeal®
Journal Article	Higgins, K;	High-speed extraction of accelerants from arson debris	Journal of Forensic Sciences	1984	29(3): 874-880		However, the use of paint cans for the collection of samples in
Journal Article	Howard, H;	A fire investigation involving combustion of carpet material	Journal of Forensic Sciences	1984	29(3): 919-922		Headspace samples taken from a charred carpet recovered
Journal Article	Jackowski, JP	The incidence of ignitable liquid residues in fire debris as	Journal of Forensic Sciences Journal of Forensic Sciences	1997 1994	42(5): 828–832	JV DCM	An overall scheme is presented for the comprehensive
Journal Article Journal Article	Kärkkäinen, M; Katz, SR;	Detection of trace levels of gasoline in arson cases by gas Unconfirmed canine accelerant detection: A reliability issue in court	Journal of Forensic Sciences Journal of Forensic Sciences	1994	39(1): 186-193 43(2): 329-333	DCM	A method for the analysis of trace levels of gasoline in arson Canines trained to alert to traces of flammable liquids at a fire
Journal Article	Keto, R	GC/MS data interpretation for petroleum distillate identification in	Journal of Forensic Sciences	1995	40(3): 412-423		Extracted ion profiling ("mass chromatography") and target
Journal Article	Kinard, W;	Arson evidence container evaluation: II. New generation Kapak bags		1991	36(6): 1714-19		Packaging for arson evidence must be convenient to transport
Journal Article Journal Article	Kirkbride, KP; Kirkbride, K:	The explosive reaction between swimming pool chlorine and brake Microbial degradation of petroleum hydrocarbons; Implications for	Journal of Forensic Sciences Journal of Forensic Sciences	1991 1992	36(3): 902-907 37(6): 1585-1599	DCM DCM	Granular swimming pool chlorine (calcium hypochlorite) and The effects of selective microbial activity on hydrocarbon
Journal Article	Kocisko, M	Absorption of ignitable liquids into polyethylene/polyvinylidine	Journal of Forensic Sciences Journal of Forensic Sciences	2001	46(2): 356-362	DCM	Clear plastic bags are often used for the collection, sampling
Journal Article	Kuk, FJ;	Extraction of alternative fuels from fire debris samples	Journal of Forensic Sciences	2008	53(5): 1123-1129	DCM	Alternative fuels, specifically biodiesel, biodiesel blends, and
Journal Article	Kuk, R	Analysis of artificial fireplace logs by high temperature gas	Journal of Forensic Sciences	2002	47(6): 1288-1293	DCM	High temperature gas chromatography is used to analyze the
Journal Article Journal Article	Kurz, M; Billard, Kurz, ME:	Evaluation of canines for accelerant detection at fire scenes Effect of background interference on accelerant detection by	Journal of Forensic Sciences Journal of Forensic Sciences	1994 1996	39(6): 1528-1536 41(5): 868-873	DCM MS	In recent years, canines have been successfully used in fire Additional studies were performed with respect to examining
Journal Article	Lentini. J	Differentiation of asphalt and smoke condensates from liquid	Journal of Forensic Sciences	1998	43(1): 97–113	DCM	Using passive headspace concentration as described in
Journal Article	Lentini, J	Analytical methods for ignitable liquid residues (letter)	Journal of Forensic Sciences	2000	45(6): 1358		Letter
Journal Article	Lentini, J	Persistence of floor coating solvents	Journal of Forensic Sciences	2001	46(6): 1470-1473	DCM	Using passive headspace concentration as described in
Journal Article Journal Article	Lentini, J; Lentini, J;	Comparison of the eluting efficiency of carbon disulfide with diethyl The petroleum-laced background	Journal of Forensic Sciences	1997 2000	42(2): 307-311 45(5): 968-989	DCM DCM	Carbon disulfide is the solvent of choice for eluting adsorption Using passive headspace concentration (ASTM E-1412) and
Journal Article	Lentini, JJ	ASTM Standards for Forensic Sciences	Journal of Forensic Sciences	1995	40(1): 146–149	MS	Since 1989, ASTM Committee E 30 on Forensic Sciences has
Journal Article	Lewis, R;	The analysis of fire debris for the presence of propan-2-ol using	Journal of Forensic Sciences	1999	44(5): 1061-1064	DCM	We describe a simple procedure for the identification of
Journal Article	Lloyd, J;	Preferential extraction of hydrocarbons from fire debris samples by	Journal of Forensic Sciences	2003	48(1): 130-134	DCM	Headspace analysis by extraction/GC-MS is a common
Journal Article Journal Article	Lloyd, J; Evett, I; Locke, AK;	Examination of petroleum products of high relative molecular mass Evaluation of internal standards for the analysis of ignitable liquids	Journal of Forensic Sciences Journal of Forensic Sciences	1980 2000	25(3): 589-602 54(2): 320-327	DCM DCM	Synchronous fluorescence and ultraviolet absorbance An evaluation of eight compounds for use as an internal
Journal Article	Loscalzo, P;	A study to determine the limit of detectability of gasoline vapor from	Journal of Forensic Sciences	1980	25(1): 162-167		An experimental study to determine the effect of collection
Journal Article	Lowry, WT;	Studies of toxic gas production during actual structural fires in the	Journal of Forensic Sciences	1985	30(1): 59-72	-	Gases produced during structural fires were studied as to their
Journal Article	Mach, MH	Gas chromatography-mass spectrometry of simulated arson	Journal of Forensic Sciences	1977	22(2): 348-357		Because gasoline is the most common accelerant used in
Journal Article Journal Article	Mann, DC Mann, DC	Comparison of automotive gasolines using capillary gas Comparison of automotive gasolines using capillary gas	Journal of Forensic Sciences Journal of Forensic Sciences	1987 1987	32(3): 606-615 32(3): 616-628	Armstrong Armstrong	Capillary gas chromatography was usd to compare the relative When comparing gasoline recovered from a fire scene with a
Journal Article	Mann, DC;	Microbial degradation of gasoline in soil	Journal of Forensic Sciences	1990	35(4): 913-923		Forensic science analysis of soil samples for the presence of
Journal Article	McGee, E;	A study of the effects of a micelle encapsulator fire suppression	Journal of Forensic Sciences	2002	47(2): 267-274		The effects of a Micelle Encapsulator Fire Suppression Agent
Journal Article	Newman, R;	The use of activated charcoal strips for fire debris extractions by	Journal of Forensic Sciences	1996	41(3): 361-370		The introduction of commercially produced activated charcoal
Journal Article Journal Article	Nowicki, J Nowicki, J	Automated data analysis of fire debris samples using gas Analysis of fire debris samples by gas chromatography/mass	Journal of Forensic Sciences Journal of Forensic Sciences	1993 1991	38(6): 1354-1362 36(5): 1536-50		A macro program written for Hewlett Packard Mass Selective Gas chromatography/mass spectrometry (GC-MS) is a
Journal Article	Nowlan, M;	Use of a solid absorbent and an accelerant detection canine for the	Journal of Forensic Sciences	2007	52(3): 643-648	Armstrong	Ignitable Liquid Absorbent™ (ILA), a commercial solid
Journal Article	Pert, A; Baron,	Review of analytical techniques for arson residues	Journal of Forensic Sciences	2006	51(5): 1033-1049	Armstrong	Arson is a serious crime that affects society through cost,
Journal Article	Petraco, N; Gil,	Statistical discrimination of liquid gasoline samples from casework	Journal of Forensic Sciences	2008	53(5): 1092-1101	Armstrong	Abstract: The intention of this study was to differentiate liquid
Journal Article Journal Article	Phelps, J; Pinorini, M:	Extraction and analysis of low molecular weight alcohols and Soot as an indicator in fire investigations: Physical and chemical	Journal of Forensic Sciences Journal of Forensic Sciences	1994 1994	39(1): 194-206 39(4): 933-973	Armstrong MS	Passive headspace concentration was utilized for recovering The possibility of determining the combustion products (or
Journal Article	Pitts, SJ;	Analysis and classification of common vegetable oils	Journal of Forensic Sciences	2003	48(6): 1293–1297	MS	The analysis of fatty acids from common vegetable oils was
Journal Article	Reardon, M;	Comparison of motor oils using high-temperature gas	Journal of Forensic Sciences	2007	52(3): 656-663	MS	The analysis of motor oils has wide applications in the forensic
Journal Article	Reeve, V;	Developments in arson analysis: A comparison of charcoal	Journal of Forensic Sciences	1986	31(2): 479-488	MS	Procedures that have been explored for the extraction or
Journal Article Journal Article	Ren, Q; Rodgers, R;	A comprehensive sample preparation scheme for accelerants in Compositional analysis for identification of arson accelerants by	Journal of Forensic Sciences Journal of Forensic Sciences	1999 2001	44(3): 504-515 46(2): 268-279	MS MS	This study represents a critical comparison of adsorbent Elemental compositions of each of 100 to 500 different
Journal Article	Saferstein, R;	Application of dynamic headspace analysis to laboratory and field	Journal of Forensic Sciences	1982	27(3): 484-494	MS	A dynamic headspace procedure has been adopted to meet
Journal Article	Schwenk, L;	Practical aspects of analyzing vegetable oils in fire debris	Journal of Forensic Sciences	2009	54(4): 874-880	MS	Vegetable oils undergo burning, self-heating, and spontaneous
Journal Article	Sheff, LM;	Fluorescence of petroleum products V: Three dimensional	Journal of Forensic Sciences	1994	39(5): 1201-1214	MS	Nine brands and grades of gasoline were analyzed by three
Journal Article Journal Article	Smith, RM Stackhouse,	Mass chromatographic analysis of arson accelerants Alternative methods for processing arson samples in polyester bags	Journal of Forensic Sciences Journal of Forensic Sciences	1983 1988	28(2): 318-329 33(2): 515-526	MS MS	We have developed a method for analyzing arson accelerants Various heating methods for arson samples packaged in
Journal Article	Stauffer, E	A review of the analysis of vegetable oil residues from fire debris	Journal of Forensic Sciences	2006	51(5): 1016-1032	MS	This paper reviews the literature on the analysis of vegetable
Journal Article	Stauffer, E;	Alternative fuels in fire debris analysis: Biodiesel basics	Journal of Forensic Sciences	2007	52(2): 371-379	DCM	Alternative fuels are becoming more prominent on the market
Journal Article Journal Article	Stone, IC; Tindall, R;	Accelerant detection in fire residues An evaluation of 42 accelerant detection canine teams	Journal of Forensic Sciences Journal of Forensic Sciences	1978 1995	23(1): 78-83 40(4): 561-564	DCM MS	n 1975 personnel at the Institute of Forensic Sciences realized It is estimated that over 200 accelerant detection canines
Journal Article	Tindali, R; Tontarski, R	Evaluation of polyethylene containers used to collect evidence for	Journal of Forensic Sciences Journal of Forensic Sciences	1983	40(4): 561-564 28(2): 440-445	DCM	Polyethylene containers are demonstrated to be unsuitable
Journal Article	Tontarski, R;	Automated sampling and computer-assisted identification of	Journal of Forensic Sciences	1982	27(3): 710-714	DCM	A method is described for rapidly screening samples in arson
Journal Article	Tranthim-Fryer,	The application of a simple and inexpensive modified carbon wire	Journal of Forensic Sciences	1990	35(2): 271-280	DCM	A simple, inexpensive carbon wire adsorption/solvent
Journal Article Journal Article	Trimpe, M	Turpentine in arson analysis	Journal of Forensic Sciences Journal of Forensic Sciences	1991 2008	36(4): 1059-1073	DCM MAT	Arson analysts have always struggled with the problem of
Journal Article	Vass, A; Smith, Wallace, J	Odor analysis of decomposing buried human remains GC/MS data from fire debris samples: interpretation and	Journal of Forensic Sciences Journal of Forensic Sciences	1999	53(2): 384-391 44(5): 996-1012	MAT	This study, conducted at the University of Tennessee's Mass chromatography is currently being adapted by many
Journal Article	Waters, L;	Multiple analysis of fire debris samples using passive head space	Journal of Forensic Sciences	1993	38(1): 165-183	MAT	The current study explored the nondestructive nature of
Journal Article	Wells, S	The identification of Isopar H in vinyl flooring	Journal of Forensic Sciences	2005	50(4): 865-872	MAT	Vinyl flooring manufacturers use plasticizers to decrease the
Journal Article Journal Article	Williams, M; Williams, M:	Adsorption saturation and chromatographic distortion effects on	Journal of Forensic Sciences Journal of Forensic Sciences	2005	50(2): 579-585	MAT MAT	Distortion of the chromatographic profile obtained for
Journal Article Journal Article	Williams, M; Yoshida, H;	Performance testing of commercial containers for collection and A solid-phase microextraction method for the detection of ignitable	Journal of Forensic Sciences Journal of Forensic Sciences	2007 2008	52(3): 579-585 53(3): 668-676	MAT	Fire debris evidence may contain ignitable liquid residues A solid-phase microextraction (SPME) procedure involving
Journal Article	Bertsch, W;	Limits in arson debris analysis by capillary column gas	Journal of High Resolution Chromatography	1986	9(11): 657-661	MS	The isolation of ignitable liquid components, usually petroleum-
Journal Article	Bertsch, W;	Automation in the chemical analysis of suspect arson samples by	Journal of High Resolution Chromatography	1988	11(11): 815-819	MS	A method ist described that permits direct comparison of ion
Journal Article Journal Article	Bertsch, W; Dhole, VR;	Using the tools of chromatography, mass spectrometry, and Detection and characterization of petroleum based accelerants in	Journal of High Resolution Chromatography Journal of Liquid Chromatography	1990 1995	13(9): 597-605 18(9): 1767-1786	MS MAT	The analysis of residual accelerants in fire debris is commonly A reverse phase HPLC method has been developed for the
Journal Article	Venkatromani,	Comprehensive two-dimensional GC applied to the analysis of	Journal of Liquid Chromatography Journal of Microcolumn Separations	1995 1993	18(9): 1767-1786 5(6): 511–516	MAT	A reverse phase HPLC method has been developed for the Comprehensive two-dimensional gas chromatography is
Journal Article	Barthet,VJ;	Comparison of methods to measure the oil contents in oilseeds	Journal of Oleo Science	2002	51(9): 589–597	MS	Nutritional labeling legislation relies on several methods

Journal Article	Dhole, VR;	Rapid detection and characterization of petroleum products and	Journal of Planar Chromatography - Modern TLC	1994	7(6): 469-471	MAT	A TLC method has been developed for analysis of residues
Journal Article	Furton, K;	A simple, inexpensive, rapid, sensitive and solventless technique for	Journal of Separation Science	1995	18(10): 625-629	JV	The current method of choice for the extraction of flammable
Journal Article	Carlsson, G;	Characterization of biodiesel and biodiesel blends using	Journal of Separation Science	2008	31(14): 2640-2649	DCM	In this work the development of a comprehensive 2-D GC
Journal Article	Zadora, G;	Differentiation between weathered kerosene and diesel fuel using	Journal of Separation Science	2005	28(13): 1467-1475	MAT	The identification of various petroleum products, which can be
Journal Article	Gardner,DR;	Characterisation of used frying oils. Part I: Isolation and	Journal of the American Oil Chemists' Society	1992	69(6): 499-508	MS	In this study, an analytical scheme is presented for detailed
Journal Article	Schwab, AW;	Diesel fuel from thermal decomposition of soybean oil	Journal of the American Oil Chemists' Society	1988	65(11): 1781-1786	MS	Soybean oil was thermally decomposed and distilled in air or in
Journal Article	Ernst, T;	Glycol ethers: a new category of oxygenated solvents encountered	Journal of the American Society of Trace Evidence	2013	4(2): 17-32	MS	In early 2010, information was received regarding the possible
Journal Article	Midkiff, C;	Gas chromatographic determination of traces of accelerants in	Journal of the Association of Official Analytical	1972	55(4): 840-845	MS	Techniques developed for use with gas-liquid chromatography
Journal Article	Bland, H	Petrol, paraffin and arson	Journal of the Forensic Science Society	1979	19(2): 81-86	MS	Case histories of fires involving the use of petrol and paraffin
Journal Article	Cain. P	Comparison of kerosenes using capillary column gas liquid	Journal of the Forensic Science Society	1975	15(4): 301-308	PA	The variability of kerosene was studied using an OV-101
Journal Article	DeHaan, J;	Pyrolysis products of structure fires	Journal of the Forensic Science Society	1988	28(5-6): 299-309	MAT	The research sought to determine whether volatile products
Journal Article	Frank, H	Lead alkyl components as discriminating factors in the comparison	Journal of the Forensic Science Society	1980	20(4): 285-292	MAT	This report describes an electron capture gas
Journal Article	Giles .I.I	The analysis of waxes and greases using high resolution gas	Journal of the Forensic Science Society	1987	27(4): 231-239	JV	The work outlined in this paper shows improvements that
Journal Article	Hirz, R	Gasoline brand identification and individualization of gasoline lots	Journal of the Forensic Science Society	1989	29(2): 91-101	JV	According to the results, identification of the refinery is
Journal Article	Hirz, R	Simulation of the weathering of gasolines using gas	Journal of the Forensic Science Society	1991	31(3): 309-319	MS	A method of calculation based on a simple equation derived
Journal Article	Kobus H	Additional studies were performed with respect to examining the	Journal of the Forensic Science Society	1987	27(5): 307-314	DCM	A simple, inexpensive and versatile gas chromatography
Journal Article	Lloyd, J	Capillary column gas chromatography in the examination of high	Journal of the Forensic Science Society	1982	22(3): 283-287	DCM	Examples are presented of capillary gas chromatograms of
Journal Article	Russell, LW	The concentration and analysis of volatile hydrocarbons in fire	Journal of the Forensic Science Society	1981	21(4): 317-326	MS	An alternative method for the analysis of volatile hydrocarbons
Journal Article	Twibell, J;	A comparison of the relative sensitivities of the adsorption wire and	Journal of the Forensic Science Society	1982	22(2): 155-159	DCM	The relative sensitivities of steam distillation, hot headspace
Journal Article	Rella, R;	Accelerant identification in fire debris by TCT-GC-MS	LC-GC Europe	2002	15(9): 603-609	MS	The chemical detection of ignitable fuel traces in fire debris is
Journal Article Document	Ettre, LS	Milestones in chromatography: The beginnings of headspace	LC-GC North America	2002	20(12): 1120-1129	MS	sampling methods in gas chromatography. This month's
	Office of the	United Kingdom Fire Investigation Dog and Handler Teams. Guide		2004	First edition	MS	Introduction: 1.1 This document has been produced as a
Conference Paper	Coulombe, R;	Spontaneous ignition of vegetable oils: Chemical composition	Lyon France: Interpol Congress	2001	mi e ne		
Book	De Forest, PE;	Forensic Science: An Introduction to Criminalistics	McGraw-Hill Book	1983	First edition	MAT	This book is a basic textbook for use in college and university
Journal Article	Cadman, W;	The analysis of some vaporizable materials of interest to the	Microchemical Journal	1961	5(4): 573-585	PA	methods provide various advantages and disadvantages. This
Journal Article	Parker, B;	Identification of fire accelerant by vapor phase chromatography	Microchemical Journal	1962	6(1): 31-36	MS	[No Abstract] Excerpt: Rapid developments in highly sensitive
Journal Article	Palotás, AB;	Soot morphology: An application of image analysis in high-resolution		1996	33(3): 266–278	MS	Interest in the fine structure of soots and carbon blacks is
Journal Article	Lentini, J	Incidental accelerants	National Fire Arson Report	1983	2(3): 3	DCM	No abstract
Book	NFPA 921:	NFPA 921: Guide For Fire And Explosion Investigations	National Fire Protection Association 357 pages	2011	2011 edition	MS	The 2011 NFPA 921 addresses everything from basic
Document	Custer, RLP	Field Guide For Fire Investigators	National Fire Protection Association; ISBN-10:	2007	First edition	MS	NFPA's Field Guide Is Your Direct Link To The Information
Journal Article		Forensic Analysis of Ignitable Liquid Fuel Fires in Buildings	National Institute of Justice	2013	NIJReport241441	MS	An experimental study of liquid fuel fires (Class B) in
Journal Article	Twibell, J;	Novel method for direct analysis of hydrocarbons in crime	Nature	1977	268: 711-713	DCM	MODERN methods for sampling of organic vapours in air
Book	Newman, R;	GC-MS Guide to Ignitable Liquids	New York: RC Press; ISBN-10: 0849331072	1998	First edition	MS	The rapidly increasing number of different ignitable liquid
Report	Rankin, J;	Development and Validation of a Method for Individualization of	NIJ Technical Report	2012	NIJReport240686	MS	This project applied target compound analysis from high
Report	Sigman, M;	Application of Chemometrics and Fast GC-MS Analysis for the	NIJ Technical Report	2012	NIJReport240684	MS	The goal of the research conducted under this grant was to
Journal Article	King, R	Petroleum: Its composition, analysis and processing	Occupational Medicine: State of the Art Reviews	1988	3(3): 409-430	MS	The task of the occupational physician can be greatly assisted
Journal Article	Smallwood, B;	Stable carbon isotopic composition of gasolines determined by	Organic Geochemistry	2002	33(2): 149-159	MS	A large number of underground gasoline storage facilities in
Journal Article	Lazzari, M;	Drying and oxidative degradation of linseed oil	Polymer Degradation and Stability	1999	65: 303-313	DCM	The drying and oxidative degradation of linseed oil have been
Book	DeHaan, J;	Kirk's Fire Investigation	Prentice-Hall Inc New Jersey USA	2011	Seventh edition	MS	investigation in evidence collection and evaluating a fire scene
Report	Cherry, CL	Arsonist's shoes: clue or confusion?	Presented at the American Academy of Forensic	1996	23pp	MS	Shoes seem to inherently produce patterns which could be
Journal Article	Borusiewicz, R	Fire debris analysis - a survey of techniques used for accelerants	Problems of Forensic Sciences	2002	50: 44-63	MS	Fire debris analysis, in order to identify potential accelerants, is
Journal Article	Nic Deald, N;	An investigation into the causes of laundry fires—spontaneous	Problems of Forensic Sciences	2001	46(XLVI): 272-277	MS	Several laundry fires have been investigated during the period
Journal Article	Zadora, G;	Identification of petroleum products and organic solvents used in a	Problems of Forensic Sciences	2002	52: 124-135	MAT	Petroleum products (e.g. gasoline, lubricant oil, fuel oil and
Conference Paper	Wineman, P;	A GC/MS procedure for detecting petroleum derived accelerants in	Proceedings from the International Association of	1990	27pp	MAT	An inherent limitation of the standard GC/FID pattern
Journal Article	Furton, K;	Variables controlling the recovery of ignitable liquid residues from	Proceedings of SPIE	1999	3576: 136-141	JV	In this paper, we present data comparing a variety of different
Conference Paper		Analysis protocols and proficiency testing in fire debris analysis	Proceedings of the International Symposium on the	1995	165-193	MS	[No Abstract] Excerpt from Introduction: Laboratories
	DeHaan, JD	Fire engineering, Fire Investigation, and the Forensic Scientist	Sacramento: California Criminalistics Institute	1995			
Journal Article	Almirall, JR;	The recovery of accelerants in aqueous samples from fire debris	Science & Justice	1996	36(4): 283-287	MS	A popular method for the recovery of flammable and The statistical evidence which played a major part in a case of
	Database E.						
	Bølviken, E;	Arson, statistics and the law: Can the defendant's proximity to a	Science & Justice	1995	35(2): 97-104	MS	
Journal Article	Coulson, S;	Arson, statistics and the law: Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon	Science & Justice	1995 2000	35(2): 97-104 40(4): 257-260	PA	http://www.sciencedirect.com/science/article/pii/S13550306007
Journal Article Journal Article		Arson, statistics and the law: Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon		1995	35(2): 97-104		
Journal Article Journal Article Journal Article Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR;	Arson, statistics and the law: Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Volatile organic compounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects	Science & Justice Science & Justice Science & Justice Science & Justice	1995 2000 1999 2004 1995	35(2): 97–104 40(4): 257-260 39: 29-37 44(4): 223–236 35(3): 217-221	PA MAT MAT MAT	http://www.sciencedirect.com/science/article/pii/S13550306007 This paper describes experiments in which the combustion of The volatile by-products of the combustion of ordinary fuels Residues of incendiary materials such as kerosene, petrol
Journal Article Journal Article Journal Article Journal Article Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N;	Arson, statistics and the law; Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Volatile organic compounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects Stable isotope profiling of burnt wooden safety matches	Science & Justice Science & Justice Science & Justice Science & Justice Science & Justice	1995 2000 1999 2004 1995 2009	35(2): 97–104 40(4): 257-260 39: 29-37 44(4): 223–236 35(3): 217-221 49(2): 107-113	PA MAT MAT MAT MAT	http://www.sciencedirect.com/science/article/bil/513550306007 This paper describes experiments in which the combustion of The volatile by-products of the combustion of ordinary fuels Residues of incendiary materials such as kerosene, petrol Arson is a significant problem around the world, and is a crime
Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N; Fernandes, M;	Arson, statistics and the law Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Votabile organic compounds from the combustion of human and Detection of petrodeum accelerant residues on partially burnt objects Stable isotope profiling of burnt woods nafety matches The effect of volabile residues in burnt household times on the	Science & Justice	1995 2000 1999 2004 1995 2009 2002	35(2): 97–104 40(4): 257-260 39: 29-37 44(4): 223–236 35(3): 217-221 49(2): 107-113 42(1): 7-15	PA MAT MAT MAT MAT MAT	http://www.sciencedirect.com/science/article/pii/S13550306007 This paper describes experiments in which the combustion of The volatile by-products of the combustion of ordinary fuels Residues of incendiary materials such as kerosene, petrol Arson is a significant problem around the world, and is a crime Common household items were partially burnt and then
Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N; Fernandes, M; Gialamas, DM	Arson, statistics and the law. Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Volatilia organic compounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects Stable isotope profiling of burnt wooden safety matches The effect of volatile residues in burnt household items on the Enhancement of fire scene investigations using accelerant detection.	Science & Justice	1995 2000 1999 2004 1995 2009 2002 1996	35(2): 97–104 40(4): 257-260 39: 29-37 44(4): 223–236 35(3): 217-221 49(2): 107-113 42(1): 7-15 36(1): 51–54	PA MAT MAT MAT MAT MAT JV	http://www.sciencedirect.com/science/article/bill\$13550096007. This paper describes experiments in which the combustion of The volatile by-products of the combustion of ordinary fuels Residues of incendiary materials such as kerosene, petrol Asons in a significant problem around the world, and is a crime Common household items were partially burnt and then No abstract
Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N; Fernandes, M; Gialamas, DM Griffin, R;	Arson, statistics and the law Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Votatile organic compounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects Stable isotope profiling of burnt wooden safety matches The effect of votable residues in burnt household times on the Enhancement of fire scene investigations using accelerant detection Analysis of wax-based products by capillary gas chromadoraphy-	Science & Justice	1995 2000 1999 2004 1995 2009 2002 1996 1996	35(2): 97–104 40(4): 257–260 39: 29–37 44(4): 223–236 35(3): 217-221 49(2): 107-113 42(1): 7-15 36(1): 51–54 36(4): 229-244	PA MAT MAT MAT MAT MAT JV MS	http://www.sciencedirect.com/science/article/billS13550308007. This paper describes experiments in which the combustion of The votable by-products of the combustion of ordinary fuels residues of incendiary materials such as kerosene, petrol Arson is a significant problem around the world, and is a crime Common household tlems were partially burnt and then No abstract
Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N; Fernandes, M; Gialamas, DM	Arson, statistics and the law. Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Volatilia organic compounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects Stable isotope profiling of burnt wooden safety matches The effect of volatile residues in burnt household items on the Enhancement of fire scene investigations using accelerant detection Analysis of wax-based products by capillary gas chromatography- liquition of filammahle gases and fluglus by cigarettes: A review	Science & Justice	1995 2000 1999 2004 1995 2009 2002 1996 1996	35(2): 97–104 40(4): 257-260 39: 29-37 44(4): 223–236 35(3): 217-221 49(2): 107-113 42(1): 7-15 36(1): 51–54	PA MAT MAT MAT MAT MAT JV	http://www.sciencedirect.com/science/article/bil/\$13550306007. This paper describes experiments in which the combustion of The votable by-products of the combustion of ordinary fuels Residues of incendary materials such as kerosene, petrol Asron is a significant problem around the world, and is a crime Common household items were partially burnt and then No abstract Wax-based products such as cinternets, make-up and shoe The cause of a fire has often been attributed to lighted
Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N; Fernandes, M; Gialamas, DM Griffin, R; Holleyhead, R	Arson, statistics and the law Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Votatile organic compounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects Stable isotope profiling of burnt wooden safety matches The effect of votable residues in burnt household times on the Enhancement of fire scene investigations using accelerant detection Analysis of wax-based products by capillary gas chromadoraphy-	Science & Justice	1995 2000 1999 2004 1995 2009 2002 1996 1996	35(2): 97-104 40(4): 257-260 39: 29-37 44(4): 223-236 35(3): 217-221 49(2): 107-113 42(1): 7-15 36(1): 51-54 36(4): 229-244 36(4): 257-266	PA MAT MAT MAT MAT MAT JV MS MS	http://www.sciencedirect.com/science/article/billS13550308007. This paper describes experiments in which the combustion of The votable by-products of the combustion of ordinary fuels residues of incendiary materials such as kerosene, petrol Arson is a significant problem around the world, and is a crime Common household tlems were partially burnt and then No abstract
Journal Article	Coulson, S; DeHaan, JD; DeHaan, J; Dhole, VR; Farmer, N; Fernandes, M; Gialamas, DM Griffin, R; Holleyhead, R Lennard, C; Rella, R; Stauffer, E	Arson, statistics and the law: Can the defendant's proximity to a The effect of compressed air foam on the detection of hydrocarbon Combustion of animal fat and its implications for the consumption of Votalile organic comprounds from the combustion of human and Detection of petroleum accelerant residues on partially burnt objects Stable isotope profiling of burnt wooden safety matches The effect of votatile residues in burnt household items on the Enhancement of fire scene investigations using accelerant detection Analysis of wax-based products by capillary ase fromationarphi- funition of flammable cases and liquids by cigarettes: A review A GC-MS database of target compound chromatograms for the A brush fire forensic case Concept of provietys for fire debris analysts	Science & Justice	1995 2000 1999 2004 1995 2009 2002 1996 1996 1996 1995 2005 2003	35(2): 97-104 40(4): 257-260 39: 29-37 44(4): 223-236 35(3): 217-221 49(2): 107-113 42(1): 7-15 36(1): 51-54 36(4): 229-244 36(4): 229-244 3(1): 29-34 45(1): 29-34	PA MAT MAT MAT MAT MAT JV MS MS DCM MS MS	http://www.sciencodirect.com/science/article/billS13550308007. This paper describes experiments in which the combustion of The votable by-products of the combustion of ordinary fuels residues of incendiary materials such as kerosene, petrol Arson is a significant problem around the world, and is a crime Common household items were partially burnt and then No abstract Wax-based products such as oritments, make-up and shoe The cause of a fire has often been attributed to lighted A method of comparins selected in profiles of fire debris In Italy, every summer forest fires attract public attention due to This paper introduces the mechanisms of proviosis to fire
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