Table of Contents

Analytical Report Cover Page #A4I020164..... 1
Case Narrative 2
Executive Summary 7
Analytical Method Summary..... 13
Sample Summary..... 15
Shipping/Receiving Documents 17
GC/MS Volatile Data 22
QC Summary Data..... 23
Sample Data 52
Standard Data..... 434
Raw QC Data..... 591
Miscellaneous Data..... 665

Total # of Pages in this Document..... 675

Return to Navigator

SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.21

EMD CHEMICAL, OHIO

Lot #: A4I020164

Angela Hurley

The Payne Firm, Inc.
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Cincinnati, OH 45242

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth

Roger K. Toth
Project Manager

September 14, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A4I020164

The following report contains the analytical results for ten water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD Chemical, Ohio Site, project number 100.58.21. The samples were received September 02, 2004, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley and Kevin Kallini on September 07, 2004. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Roger K. Toth, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.2°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Result concentration exceeds the calibration range. Refer to the sample report pages for the affected compound(s) flagged with "E".

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Elevated reporting limits due to TICs for sample DUP01/090104.

The matrix spike/matrix spike duplicate(s) for MW-12/090104 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 4247482 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

Two analyses were used to report samples MW-302/090104 and DUP01/090104 due to high analyte concentrations.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Louisiana (#04112), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4I020164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-302/090104 09/01/04 11:52 001				
Acetone	390 J,B	5000	ug/L	SW846 8260B
Acetone	95 J,B	500	ug/L	SW846 8260B
Benzene	1900	500	ug/L	SW846 8260B
Benzene	2000	50	ug/L	SW846 8260B
Chlorobenzene	280 J	500	ug/L	SW846 8260B
Chlorobenzene	280	50	ug/L	SW846 8260B
Chloroform	16000	500	ug/L	SW846 8260B
Chloroform	16000 E	50	ug/L	SW846 8260B
1,1-Dichloroethane	970	500	ug/L	SW846 8260B
1,1-Dichloroethane	890	50	ug/L	SW846 8260B
1,2-Dichloroethane	17000	500	ug/L	SW846 8260B
1,2-Dichloroethane	16000 E	50	ug/L	SW846 8260B
cis-1,2-Dichloroethene	17000	500	ug/L	SW846 8260B
cis-1,2-Dichloroethene	19000 E	50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	140 J	500	ug/L	SW846 8260B
trans-1,2-Dichloroethene	140	50	ug/L	SW846 8260B
1,1-Dichloroethene	45 J	50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	17000	1000	ug/L	SW846 8260B
1,2-Dichloroethene (total)	20000 E	100	ug/L	SW846 8260B
1,4-Dioxane	7000 J	25000	ug/L	SW846 8260B
1,4-Dioxane	26000	2500	ug/L	SW846 8260B
Ethylbenzene	36 J	50	ug/L	SW846 8260B
Methylene chloride	8300	500	ug/L	SW846 8260B
Methylene chloride	8200 E	50	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	91	50	ug/L	SW846 8260B
Tetrachloroethene	240 J	500	ug/L	SW846 8260B
Tetrachloroethene	290	50	ug/L	SW846 8260B
Toluene	1300	500	ug/L	SW846 8260B
Toluene	1400	50	ug/L	SW846 8260B
1,1,1-Trichloroethane	250 J	500	ug/L	SW846 8260B
1,1,1-Trichloroethane	270	50	ug/L	SW846 8260B
Trichloroethene	3200	500	ug/L	SW846 8260B
Trichloroethene	3500 E	50	ug/L	SW846 8260B
Vinyl chloride	7400	500	ug/L	SW846 8260B
Vinyl chloride	7700 E	50	ug/L	SW846 8260B
Xylenes (total)	170	100	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4I020164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-6/090104 09/01/04 11:25 002				
Chloroform	3.2	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	1.1	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	0.22 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	6.0	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.26 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	6.3	2.0	ug/L	SW846 8260B
Tetrachloroethene	3.9	1.0	ug/L	SW846 8260B
Trichloroethene	5.5	1.0	ug/L	SW846 8260B
Vinyl chloride	1.6	1.0	ug/L	SW846 8260B
MW-12/090104 09/01/04 10:35 003				
Benzene	63	10	ug/L	SW846 8260B
Benzene	59 E	1.0	ug/L	SW846 8260B
Chlorobenzene	14	10	ug/L	SW846 8260B
Chlorobenzene	14	1.0	ug/L	SW846 8260B
Chloroethane	2.7	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	4.6 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	4.1	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	5.2 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4.8	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	5.2 J	20	ug/L	SW846 8260B
1,2-Dichloroethene (total)	4.8	2.0	ug/L	SW846 8260B
1,4-Dioxane	2300	500	ug/L	SW846 8260B
1,4-Dioxane	3800 E	50	ug/L	SW846 8260B
Styrene	0.46 J	1.0	ug/L	SW846 8260B
Toluene	0.80 J	1.0	ug/L	SW846 8260B
Vinyl chloride	4.6 J	10	ug/L	SW846 8260B
Vinyl chloride	3.4	1.0	ug/L	SW846 8260B
Xylenes (total)	0.54 J	2.0	ug/L	SW846 8260B
MW-4/090104 09/01/04 11:00 004				
Benzene	2100	100	ug/L	SW846 8260B
Benzene	1300 E	10	ug/L	SW846 8260B
Chlorobenzene	2.1 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	3.3 J	10	ug/L	SW846 8260B
1,4-Dioxane	2200 J	5000	ug/L	SW846 8260B
1,4-Dioxane	2200	500	ug/L	SW846 8260B
Toluene	2.9 J	10	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4I020164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-4/090104 09/01/04 11:00 004				
Xylenes (total)	32	20	ug/L	SW846 8260B
MW-35/090104 09/01/04 09:52 005				
Carbon disulfide	1.3	1.0	ug/L	SW846 8260B
Carbon tetrachloride	89	8.0	ug/L	SW846 8260B
Carbon tetrachloride	75 E	1.0	ug/L	SW846 8260B
Chloroform	240	8.0	ug/L	SW846 8260B
Chloroform	180 E	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	2.9 J	8.0	ug/L	SW846 8260B
1,1-Dichloroethane	2.4	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	11	8.0	ug/L	SW846 8260B
1,2-Dichloroethane	8.9	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.0 J	8.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.3	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.34 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.67 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	3.0 J	16	ug/L	SW846 8260B
1,2-Dichloroethene (total)	2.6	2.0	ug/L	SW846 8260B
1,4-Dioxane	48 J	50	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	18	8.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	14	1.0	ug/L	SW846 8260B
Tetrachloroethene	55	8.0	ug/L	SW846 8260B
Tetrachloroethene	49 E	1.0	ug/L	SW846 8260B
Toluene	0.85 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	15	8.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	12	1.0	ug/L	SW846 8260B
Trichloroethene	36	8.0	ug/L	SW846 8260B
Trichloroethene	31	1.0	ug/L	SW846 8260B
WRPZ05/090104 09/01/04 13:40 006				
Acetone	30 B	10	ug/L	SW846 8260B
2-Butanone	3.3 J	10	ug/L	SW846 8260B
Carbon disulfide	0.37 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	13 J	50	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4I020164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WRPZ20/090104 09/01/04 13:55 007				
Acetone	2.4 J,B	10	ug/L	SW846 8260B
2-Butanone	0.67 J	10	ug/L	SW846 8260B
Toluene	0.23 J	1.0	ug/L	SW846 8260B
OUTFALL-WR/090104 09/01/04 14:30 008				
Acetone	410 E	29	ug/L	SW846 8260B
Acetone	410	290	ug/L	SW846 8260B
Acetonitrile	54 J	57	ug/L	SW846 8260B
Benzene	170 E	2.9	ug/L	SW846 8260B
Benzene	170	29	ug/L	SW846 8260B
Bromoform	2.3 J	2.9	ug/L	SW846 8260B
Carbon disulfide	1.3 J	2.9	ug/L	SW846 8260B
Carbon tetrachloride	2.2 J	2.9	ug/L	SW846 8260B
Chlorobenzene	48	2.9	ug/L	SW846 8260B
Chlorobenzene	45	29	ug/L	SW846 8260B
Chloroform	51	2.9	ug/L	SW846 8260B
Chloroform	54	29	ug/L	SW846 8260B
1,1-Dichloroethane	8.2	2.9	ug/L	SW846 8260B
1,1-Dichloroethane	8.6 J	29	ug/L	SW846 8260B
cis-1,2-Dichloroethene	750 E	2.9	ug/L	SW846 8260B
cis-1,2-Dichloroethene	760	29	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.5	2.9	ug/L	SW846 8260B
trans-1,2-Dichloroethene	4.9 J	29	ug/L	SW846 8260B
1,2-Dichloroethene (total)	760 E	5.7	ug/L	SW846 8260B
1,2-Dichloroethene (total)	760	57	ug/L	SW846 8260B
1,4-Dioxane	1900	140	ug/L	SW846 8260B
1,4-Dioxane	1500	1400	ug/L	SW846 8260B
Ethylbenzene	190 E	2.9	ug/L	SW846 8260B
Ethylbenzene	160	29	ug/L	SW846 8260B
Methylene chloride	3.8	2.9	ug/L	SW846 8260B
4-Methyl-2-pentanone	7.0 J	29	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	25	2.9	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	30	29	ug/L	SW846 8260B
Tetrachloroethene	37	2.9	ug/L	SW846 8260B
Tetrachloroethene	39	29	ug/L	SW846 8260B
Toluene	400 E	2.9	ug/L	SW846 8260B
Toluene	700	29	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.5 J	2.9	ug/L	SW846 8260B
1,1,2-Trichloroethane	3.2	2.9	ug/L	SW846 8260B
Trichloroethene	49	2.9	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4I020164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OUTFALL-WR/090104 09/01/04 14:30 008				
Trichloroethene	48	29	ug/L	SW846 8260B
Vinyl chloride	23	2.9	ug/L	SW846 8260B
Vinyl chloride	21 J	29	ug/L	SW846 8260B
Xylenes (total)	890 E	5.7	ug/L	SW846 8260B
Xylenes (total)	900	57	ug/L	SW846 8260B
FB01/090104 09/01/04 11:15 009				
Chloroform	1.5	1.0	ug/L	SW846 8260B
DUP01/090104 09/01/04 010				
Benzene	46	10	ug/L	SW846 8260B
Benzene	57 E	1.0	ug/L	SW846 8260B
Chlorobenzene	12	10	ug/L	SW846 8260B
Chlorobenzene	13	1.0	ug/L	SW846 8260B
Chloroethane	2.5 J	10	ug/L	SW846 8260B
Chloroethane	1.8	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	3.6 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	3.7	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4.9 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	5.6	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.26 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	4.9 J	20	ug/L	SW846 8260B
1,2-Dichloroethene (total)	5.8	2.0	ug/L	SW846 8260B
1,4-Dioxane	3700	500	ug/L	SW846 8260B
1,4-Dioxane	2000 E	50	ug/L	SW846 8260B
Ethylbenzene	0.19 J	1.0	ug/L	SW846 8260B
Toluene	0.75 J	1.0	ug/L	SW846 8260B
Vinyl chloride	3.9 J	10	ug/L	SW846 8260B
Vinyl chloride	3.2	1.0	ug/L	SW846 8260B
Xylenes (total)	0.50 J	2.0	ug/L	SW846 8260B
TB01/090104 09/01/04 011				
Acetone	8.9 J	10	ug/L	SW846 8260B
2-Butanone	0.96 J	10	ug/L	SW846 8260B
Toluene	0.18 J	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4I020164

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A4I020164

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GPGC2	001	MW-302/090104	09/01/04	11:52
GPGDJ	002	MW-6/090104	09/01/04	11:25
GPGDK	003	MW-12/090104	09/01/04	10:35
GPGDL	004	MW-4/090104	09/01/04	11:00
GPGDM	005	MW-35/090104	09/01/04	09:52
GPGDN	006	WRPZ05/090104	09/01/04	13:40
GPGDP	007	WRPZ20/090104	09/01/04	13:55
GPGDR	008	OUTFALL-WR/090104	09/01/04	14:30
GPGDT	009	FB01/090104	09/01/04	11:15
GPGDV	010	DUP01/090104	09/01/04	
GPGD0	011	TB01/090104	09/01/04	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE PAYNE FIRM	Project Manager: KEVIN KALLINI	Date: 9/1/04	Chain of Custody Number: 173934
Address: 11231 CORNELL PARK DR	Telephone Number (Area Code)/Fax Number: 513-489-2255, 2533	Lab Number	Page 1 of 1
City: CINCINNATI; State: OH; Zip Code: 45242	Site Contact: M. BACKHERM	Lab Contact: R. TUTH	
Project Name and Location (State): EMD CHEMICAL, OHIO	Carrier/Waybill Number: STC-CIN		
Contract/Purchase Order/Quote No.: 100.58.21			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC 8260	Special Instructions/ Conditions of Receipt
MW-30Z/090104	9/1/04	1152		X						3			X	
MW-6/090104		1125		X						3			X	
MW-12/090104		1035		X						12			X	MW-12/090104/MS/MSD SAMPLE
MW-4/090104		1100		X						3			X	
MW-35/090104		0952		X						3			X	
WRPZ05/090104		1340		X						3			X	
WRPZ20/090104		1355		X						3			X	
OUTFALL-WR/090104		1430		X						3			X	→ RESULTS TO KEVIN KALLINI
FB01/090104		1115		X						3			X	
DUP01/090104		—		X						3			X	
TB01/090104	↓	—		X						2			X	→ need RESULTS by FRIDAY 9/3/04

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): LEVEL IV, APPENDIX IX LIST

	Date	Time		Date	Time
1. Relinquished By	9/1/04	1600	1. Received By	9/1/04	1600
2. Relinquished By	9/1/04	1630	2. Received By	9/2/04	9:25
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4I020164

Case Number/SDG: 100.58.21

Storage Location: MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GPGC2	SANDERSA	9/02/04	Yes		Storage	
GPGDJ	SANDERSA	9/02/04	Yes		Storage	
GPGDK	SANDERSA	9/02/04	Yes		Storage	
GPGDL	SANDERSA	9/02/04	Yes		Storage	
GPGDM	SANDERSA	9/02/04	Yes		Storage	
GPGDN	SANDERSA	9/02/04	Yes		Storage	
GPGDP	SANDERSA	9/02/04	Yes		Storage	
GPGDR	SANDERSA	9/02/04	Yes		Storage	
GPGDT	SANDERSA	9/02/04	Yes		Storage	
GPGDV	SANDERSA	9/02/04	Yes		Storage	
GPGD0	SANDERSA	9/02/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4I020164

North Canton Facility

Client: Payne Firm Project: EMD Chemical, Ohio Quote#:

Cooler Received on: 9-2-04 Opened on: 9-2-04 by: (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☒ FAS ☐ Other:

STL Cooler No# B120 Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 1
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other :
6. Cooler temperature upon receipt 3.2 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☐ No ☒
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☒
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning:

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:
COC indicated there was (12 x 40mL) for sample MW-12/090104.
Only received (9x40mL) for sample MW-12/090104.
COC = Dup01/090104 Label = (3x40mL) Duplicate/090104 - [illegible]
Log per COC -

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -031804-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I020164

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	105	108	106	98	00
02	MW-302/090104	105	102	106	91	00
03	MW-302/090104 RE-1	103	107	106	95	00
04	MW-6/090104	105	104	104	92	00
05	MW-12/090104	104	105	99	88	00
06	MW-12/090104 RE-1	97	99	101	89	00
07	MW-4/090104	101	105	101	84	00
08	MW-4/090104 RE-1	99	100	100	89	00
09	MW-35/090104	113	115	98	79	00
10	MW-35/090104 RE-1	104	106	95	79	00
11	WRPZ05/090104	107	108	106	90	00
12	WRPZ20/090104	104	106	104	91	00
13	OUTFALL-WR/090104	107	109	96	96	00
14	OUTFALL-WR/090104 RE-1	100	106	101	104	00
15	FB01/090104	104	109	105	90	00
16	DUP01/090104	100	102	107	93	00
17	DUP01/090104 RE-1	99	101	107	99	00
18	TB01/090104	114	114	96	80	00
19	METHOD BLK. GPL151AA	102	105	103	91	00
20	METHOD BLK. GPPEH1AA	113	109	97	78	00
21	LCS GPL151AC	98	102	108	105	00
22	LCS GPPEH1AC	101	105	105	106	00
23	LAB MS/MSD D	101	98	106	101	00
24	MW-12/090104 D	103	104	104	103	00
25	LCSD GPL151AD	101	97	106	106	00
26	LCSD GPPEH1AD	104	110	109	107	00
27	LAB MS/MSD S	106	101	106	106	00

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I020164

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-12/090104 S	103	108	105	101	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I030000 WO #: GPL151AC
BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.8	78	48- 123	
Bromomethane	10	9.6	96	64- 129	
Vinyl chloride	10	8.6	86	61- 120	
Chloroethane	10	7.8	78	66- 126	
Methylene chloride	10	8.9	89	78- 118	
Acetone	10	6.6	66	22- 200	
Carbon disulfide	10	7.4	74	73- 139	
1,1-Dichloroethene	10	7.6	76	63- 130	
1,1-Dichloroethane	10	9.2	92	86- 123	
1,2-Dichloroethene (total	20	18	92	82- 116	
Chloroform	10	9.2	92	84- 128	
1,2-Dichloroethane	10	9.6	96	79- 136	
2-Butanone	10	7.5	75	28- 237	
1,1,1-Trichloroethane	10	8.7	87	78- 140	
Carbon tetrachloride	10	8.1	81	75- 149	
Bromodichloromethane	10	9.7	97	87- 130	
1,2-Dichloropropane	10	10	105	82- 115	
cis-1,3-Dichloropropene	10	9.7	97	84- 130	
Trichloroethene	10	8.9	89	75- 122	
Dibromochloromethane	10	10	100	81- 138	
1,1,2-Trichloroethane	10	10	101	83- 122	
Benzene	10	9.1	91	80- 116	
trans-1,3-Dichloropropene	10	9.2	92	84- 130	
Bromoform	10	8.5	85	76- 150	
4-Methyl-2-pentanone	10	8.9	89	78- 141	
2-Hexanone	10	8.5	85	35- 200	
Tetrachloroethene	10	8.4	84*	88- 113	a
1,1,2,2-Tetrachloroethane	10	12	120*	85- 118	a
Toluene	10	10	101	74- 119	
Chlorobenzene	10	9.6	96	76- 117	
Ethylbenzene	10	9.5	95	86- 116	

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SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I030000 WO #: GPL151AC
BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.7	97	85- 117	
Xylenes (total)	30	28	95	87- 116	
cis-1,2-Dichloroethene	10	8.8	88	85- 113	
trans-1,2-Dichloroethene	10	9.6	96	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I030000 WO #: GPL151AD
BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2-Dichloroethene (total	20	18	91	82- 116	
Chloroform	10	8.9	89	84- 128	
1,2-Dichloroethane	10	9.5	95	79- 136	
2-Butanone	10	7.3	73	28- 237	
1,1,1-Trichloroethane	10	9.1	91	78- 140	
Carbon tetrachloride	10	9.1	91	75- 149	
Bromodichloromethane	10	9.5	95	87- 130	
1,2-Dichloropropane	10	10	102	82- 115	
cis-1,3-Dichloropropene	10	9.6	96	84- 130	
Trichloroethene	10	8.7	87	75- 122	
Dibromochloromethane	10	9.8	98	81- 138	
1,1,2-Trichloroethane	10	9.9	99	83- 122	
Benzene	10	9.0	90	80- 116	
trans-1,3-Dichloropropene	10	9.0	90	84- 130	
Bromoform	10	8.4	84	76- 150	
4-Methyl-2-pentanone	10	8.8	88	78- 141	
2-Hexanone	10	8.2	82	35- 200	
Tetrachloroethene	10	9.0	90	88- 113	
1,1,2,2-Tetrachloroethane	10	11	114	85- 118	
Toluene	10	10	100	74- 119	
Chlorobenzene	10	9.5	95	76- 117	
Ethylbenzene	10	9.7	97	86- 116	
Styrene	10	9.6	96	85- 117	
Xylenes (total)	30	28	94	87- 116	
cis-1,2-Dichloroethene	10	8.5	85	85- 113	
trans-1,2-Dichloroethene	10	9.7	97	79- 120	
Chloromethane	10	7.3	73	48- 123	
Bromomethane	10	9.8	98	64- 129	
Vinyl chloride	10	9.5	95	61- 120	
Chloroethane	10	7.8	78	66- 126	
Methylene chloride	10	8.2	82	78- 118	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I030000 WO #: GPL151AD
BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Acetone	10	6.1	61	22- 200	
Carbon disulfide	10	7.8	78	73- 139	
1,1-Dichloroethene	10	8.5	85	63- 130	
1,1-Dichloroethane	10	9.2	92	86- 123	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I070000 WO #: GPPEH1AC
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.0	80	48- 123	
Bromomethane	10	14	143*	64- 129	a
Vinyl chloride	10	11	114	61- 120	
Chloroethane	10	12	115	66- 126	
Methylene chloride	10	9.4	94	78- 118	
Acetone	10	5.9	59	22- 200	
Carbon disulfide	10	12	117	73- 139	
1,1-Dichloroethene	10	11	110	63- 130	
1,1-Dichloroethane	10	10	104	86- 123	
1,2-Dichloroethene (total	20	20	100	82- 116	
Chloroform	10	10	104	84- 128	
1,2-Dichloroethane	10	11	106	79- 136	
2-Butanone	10	7.2	72	28- 237	
1,1,1-Trichloroethane	10	12	123	78- 140	
Carbon tetrachloride	10	14	143	75- 149	
Bromodichloromethane	10	11	112	87- 130	
1,2-Dichloropropane	10	10	100	82- 115	
cis-1,3-Dichloropropene	10	8.9	89	84- 130	
Trichloroethene	10	10	104	75- 122	
Dibromochloromethane	10	12	119	81- 138	
1,1,2-Trichloroethane	10	10	103	83- 122	
Benzene	10	9.8	98	80- 116	
trans-1,3-Dichloropropene	10	9.6	96	84- 130	
Bromoform	10	11	110	76- 150	
4-Methyl-2-pentanone	10	7.8	78	78- 141	
2-Hexanone	10	6.6	66	35- 200	
Tetrachloroethene	10	11	110	88- 113	
1,1,2,2-Tetrachloroethane	10	10	103	85- 118	
Toluene	10	11	110	74- 119	
Chlorobenzene	10	10	102	76- 117	
Ethylbenzene	10	11	107	86- 116	

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SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I070000 WO #: GPPEH1AC
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	100	85- 117	
Xylenes (total)	30	33	110	87- 116	
cis-1,2-Dichloroethene	10	9.6	96	85- 113	
trans-1,2-Dichloroethene	10	11	105	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I070000 WO #: GPPEH1AD
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.5	75	48- 123	
Bromomethane	10	15	148*	64- 129	a
Vinyl chloride	10	11	109	61- 120	
Chloroethane	10	11	109	66- 126	
Methylene chloride	10	9.5	95	78- 118	
Acetone	10	6.1	61	22- 200	
Carbon disulfide	10	11	109	73- 139	
1,1-Dichloroethene	10	9.9	99	63- 130	
1,1-Dichloroethane	10	10	101	86- 123	
1,2-Dichloroethene (total	20	20	98	82- 116	
Chloroform	10	10	102	84- 128	
1,2-Dichloroethane	10	11	108	79- 136	
2-Butanone	10	7.0	70	28- 237	
1,1,1-Trichloroethane	10	11	115	78- 140	
Carbon tetrachloride	10	13	130	75- 149	
Bromodichloromethane	10	11	110	87- 130	
1,2-Dichloropropane	10	9.6	96	82- 115	
cis-1,3-Dichloropropene	10	8.9	89	84- 130	
Trichloroethene	10	9.7	97	75- 122	
Dibromochloromethane	10	12	119	81- 138	
1,1,2-Trichloroethane	10	10	103	83- 122	
Benzene	10	9.5	95	80- 116	
trans-1,3-Dichloropropene	10	9.5	95	84- 130	
Bromoform	10	11	107	76- 150	
4-Methyl-2-pentanone	10	7.7	77*	78- 141	a
2-Hexanone	10	6.8	68	35- 200	
Tetrachloroethene	10	10	104	88- 113	
1,1,2,2-Tetrachloroethane	10	10	103	85- 118	
Toluene	10	11	106	74- 119	
Chlorobenzene	10	10	100	76- 117	
Ethylbenzene	10	10	102	86- 116	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Lot #: A4I070000 WO #: GPPEH1AD
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.7	97	85- 117	
Xylenes (total)	30	32	107	87- 116	
cis-1,2-Dichloroethene	10	9.5	95	85- 113	
trans-1,2-Dichloroethene	10	10	101	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: LAB MS/MSD

Lot #: A4H270130 WO #: GN3VC1DW

BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	9.7	97	62- 130	
Chloromethane	10	ND	7.2	72	40- 137	
Bromomethane	10	ND	8.9	89	55- 145	
Vinyl chloride	10	ND	9.9	99	88- 126	
Chloroethane	10	ND	8.4	84	59- 142	
Methylene chloride	10	ND	8.9	89	82- 115	
Acetone	10	0.96	5.9	49	45- 128	
Carbon disulfide	10	ND	10	100	69- 138	
1,1-Dichloroethane	10	ND	10	101	88- 127	
1,2-Dichloroethene (total	20	ND	20	100	86- 115	
Chloroform	10	ND	9.5	95	83- 141	
1,2-Dichloroethane	10	ND	10	102	71- 160	
2-Butanone	10	ND	6.9	69*	71- 123	a
1,1,1-Trichloroethane	10	ND	10	103	71- 162	
Carbon tetrachloride	10	ND	11	106	63- 176	
Bromodichloromethane	10	ND	10	101	80- 146	
1,2-Dichloropropane	10	ND	11	111	87- 114	
cis-1,3-Dichloropropene	10	ND	9.9	99	82- 130	
Trichloroethene	10	ND	9.3	93	62- 130	
Dibromochloromethane	10	ND	9.4	94	71- 158	
1,1,2-Trichloroethane	10	ND	11	108	86- 129	
Benzene	10	0.27	9.9	96	78- 118	
trans-1,3-Dichloropropene	10	ND	8.9	89	73- 147	
Bromoform	10	ND	8.1	81	58- 176	
4-Methyl-2-pentanone	10	ND	9.4	94	82- 135	
2-Hexanone	10	ND	8.7	87	81- 128	
Tetrachloroethene	10	ND	9.2	92	85- 121	
1,1,2,2-Tetrachloroethane	10	ND	12	124*	88- 116	a

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SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: LAB MS/MSD

Lot #: A4H270130 WO #: GN3VC1DW
BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	10	0.25	10	102	70- 119	
Chlorobenzene	10	ND	9.6	96	76- 117	
Ethylbenzene	10	0.25	10	100	86- 132	
Styrene	10	ND	9.4	94	83- 120	
Xylenes (total)	30	ND	29	96	89- 121	
cis-1,2-Dichloroethene	10	ND	9.4	94	87- 114	
trans-1,2-Dichloroethene	10	ND	11	107	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: LAB MS/MSD

Lot #: A4H270130 WO #: GN3VC1DX
BATCH: 4247482

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.0	90	7.2	20	62- 130	
Chloromethane	10	7.4	74	3.0	39	40- 137	
Bromomethane	10	10	100	12	30	55- 145	
Vinyl chloride	10	9.7	97	2.5	30	88- 126	
Chloroethane	10	8.3	83	0.68	30	59- 142	
Methylene chloride	10	8.6	86	3.8	30	82- 115	
Acetone	10	5.9	49	0.39	30	45- 128	
Carbon disulfide	10	9.2	92	7.8	41	69- 138	
1,1-Dichloroethane	10	9.9	99	2.1	30	88- 127	
1,2-Dichloroethene (total	20	19	97	2.9	30	86- 115	
Chloroform	10	9.5	95	0.030	30	83- 141	
1,2-Dichloroethane	10	9.9	99	2.6	30	71- 160	
2-Butanone	10	7.1	71	2.9	30	71- 123	
1,1,1-Trichloroethane	10	9.6	96	7.0	30	71- 162	
Carbon tetrachloride	10	9.7	97	8.5	30	63- 176	
Bromodichloromethane	10	9.6	96	5.5	30	80- 146	
1,2-Dichloropropane	10	10	105	5.2	30	87- 114	
cis-1,3-Dichloropropene	10	9.4	94	6.0	30	82- 130	
Trichloroethene	10	8.8	88	5.4	20	62- 130	
Dibromochloromethane	10	9.1	91	2.6	30	71- 158	
1,1,2-Trichloroethane	10	11	107	1.4	30	86- 129	
Benzene	10	9.5	92	4.4	20	78- 118	
trans-1,3-Dichloropropene	10	8.7	87	2.9	30	73- 147	
Bromoform	10	8.1	81	0.40	30	58- 176	
4-Methyl-2-pentanone	10	8.8	88	6.2	30	82- 135	
2-Hexanone	10	9.0	90	4.0	30	81- 128	
Tetrachloroethene	10	8.8	88	4.0	30	85- 121	
1,1,2,2-Tetrachloroethane	10	12	124*	0.26	30	88- 116	a

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: LAB MS/MSD

Lot #: A4H270130 WO #: GN3VC1DX

BATCH: 4247482

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	10	10	99	2.8		20	70- 119	
Chlorobenzene	10	9.3	93	3.4		20	76- 117	
Ethylbenzene	10	10	97	2.7		30	86- 132	
Styrene	10	9.0	90	4.3		30	83- 120	
Xylenes (total)	30	28	92	4.2		30	89- 121	
cis-1,2-Dichloroethene	10	9.2	92	2.1		30	87- 114	
trans-1,2-Dichloroethene	10	10	103	3.7		30	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 35 outside limits
Spike Recovery: 1 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: MW-12/090104

Lot #: A4I020164 WO #: GPGDK1AC
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	100	ND	110	110	70- 119	
Chlorobenzene	100	14	110	99	76- 117	
Ethylbenzene	100	ND	120	117	86- 132	
Styrene	100	ND	97	97	83- 120	
Xylenes (total)	300	ND	330	110	89- 121	
cis-1,2-Dichloroethene	100	5.2	100	96	87- 114	
trans-1,2-Dichloroethene	100	ND	100	104	85- 116	
1,1-Dichloroethene	100	ND	100	103	62- 130	
Chloromethane	100	ND	54	54	40- 137	
Bromomethane	100	ND	89	89	55- 145	
Vinyl chloride	100	4.6	87	83*	88- 126	a
Chloroethane	100	ND	100	100	59- 142	
Methylene chloride	100	ND	95	95	82- 115	
Acetone	100	ND	51	51	45- 128	
Carbon disulfide	100	ND	160	162*	69- 138	a
1,1-Dichloroethane	100	4.6	110	103	88- 127	
1,2-Dichloroethene (total	200	5.2	210	100	86- 115	
Chloroform	100	ND	100	103	83- 141	
1,2-Dichloroethane	100	ND	110	107	71- 160	
2-Butanone	100	ND	78	78	71- 123	
1,1,1-Trichloroethane	100	ND	120	122	71- 162	
Carbon tetrachloride	100	ND	130	132	63- 176	
Bromodichloromethane	100	ND	110	112	80- 146	
1,2-Dichloropropane	100	ND	99	99	87- 114	
cis-1,3-Dichloropropene	100	ND	75	75*	82- 130	a
Trichloroethene	100	ND	100	101	62- 130	
Dibromochloromethane	100	ND	110	110	71- 158	
1,1,2-Trichloroethane	100	ND	100	102	86- 129	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: MW-12/090104

Lot #: A4I020164 WO #: GPGDK1AC
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Benzene	100	63	160	94	78- 118	
trans-1,3-Dichloropropene	100	ND	75	75	73- 147	
Bromoform	100	ND	90	90	58- 176	
4-Methyl-2-pentanone	100	ND	83	83	82- 135	
2-Hexanone	100	ND	75	75*	81- 128	a
Tetrachloroethene	100	ND	100	104	85- 121	
1,1,2,2-Tetrachloroethane	100	ND	100	104	88- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 4 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: MW-12/090104

Lot #: A4I020164 WO #: GPGDK1AD
BATCH: 4251210

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	100	100	105	1.7	20	62- 130	
Chloromethane	100	51	51	5.1	39	40- 137	
Bromomethane	100	99	99	11	30	55- 145	
Vinyl chloride	100	87	82*	0.62	30	88- 126	a
Chloroethane	100	110	106	5.7	30	59- 142	
Methylene chloride	100	95	95	0.25	30	82- 115	
Acetone	100	50	50	1.7	30	45- 128	
Carbon disulfide	100	120	115	34	41	69- 138	
1,1-Dichloroethane	100	110	103	0.0	30	88- 127	
1,2-Dichloroethene (total	200	210	101	0.81	30	86- 115	
Chloroform	100	100	104	0.76	30	83- 141	
1,2-Dichloroethane	100	110	108	1.0	30	71- 160	
2-Butanone	100	80	80	2.7	30	71- 123	
1,1,1-Trichloroethane	100	120	124	1.7	30	71- 162	
Carbon tetrachloride	100	130	133	0.89	30	63- 176	
Bromodichloromethane	100	110	108	3.0	30	80- 146	
1,2-Dichloropropane	100	97	97	2.2	30	87- 114	
cis-1,3-Dichloropropene	100	75	75*	1.0	30	82- 130	a
Trichloroethene	100	100	103	2.2	20	62- 130	
Dibromochloromethane	100	110	107	2.8	30	71- 158	
1,1,2-Trichloroethane	100	100	103	1.0	30	86- 129	
Benzene	100	160	96	1.0	20	78- 118	
trans-1,3-Dichloropropene	100	77	77	3.2	30	73- 147	
Bromoform	100	88	88	2.4	30	58- 176	
4-Methyl-2-pentanone	100	84	84	1.3	30	82- 135	
2-Hexanone	100	77	77*	2.4	30	81- 128	a
Tetrachloroethene	100	110	107	2.6	30	85- 121	
1,1,2,2-Tetrachloroethane	100	110	106	1.7	30	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4I02164

Matrix Spike ID: MW-12/090104

Lot #: A4I020164 WO #: GPGDK1AD

BATCH: 4251210

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	100	110	110	0.17	20	70- 119	
Chlorobenzene	100	120	102	2.7	20	76- 117	
Ethylbenzene	100	120	119	2.0	30	86- 132	
Styrene	100	98	98	0.97	30	83- 120	
Xylenes (total)	300	340	114	3.0	30	89- 121	
cis-1,2-Dichloroethene	100	100	98	1.4	30	87- 114	
trans-1,2-Dichloroethene	100	100	105	0.24	30	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 35 outside limits
Spike Recovery: 3 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GPL151AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4I02164

Lab File ID: UXX1175.D

Lot Number: A4I020164

Date Analyzed: 09/02/04

Time Analyzed: 19:15

Matrix: WATER

Date Extracted:09/02/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GN3VC1DV	UXX1176.D	09/02/04	19:39
02	LAB MS/MSD	GN3VC1DW S	UXX1186.D	09/02/04	23:26
03	LAB MS/MSD	GN3VC1DX D	UXX1187.D	09/02/04	23:48
04	MW-302/090104	GPGC21AA	UXX1195.D	09/03/04	02:51
05	MW-302/090104	GPGC22AA	UXX1201.D	09/03/04	05:08
06	MW-6/090104	GPGDJ1AA	UXX1196.D	09/03/04	03:14
07	WRPZ05/090104	GPGDN1AA	UXX1197.D	09/03/04	03:36
08	WRPZ20/090104	GPGDP1AA	UXX1198.D	09/03/04	03:59
09	FB01/090104	GPGDT1AA	UXX1185.D	09/02/04	23:03
10	DUP01/090104	GPGDV1AA	UXX1199.D	09/03/04	04:22
11	DUP01/090104	GPGDV2AA	UXX1200.D	09/03/04	04:45
12	CHECK SAMPLE	GPL151AC C	UXX1173.D	09/02/04	18:29
13	DUPLICATE CHECK	GPL151AD L	UXX1174.D	09/02/04	18:52
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GPPEH1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4I02164

Lab File ID: UXJ23732.

Lot Number: A4I020164

Date Analyzed: 09/03/04

Time Analyzed: 09:45

Matrix: WATER

Date Extracted:09/03/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-12/090104	GPGDK1AA	UXJ23736.	09/03/04	11:22
02	MW-12/090104	GPGDK1AC S	UXJ23742.	09/03/04	13:39
03	MW-12/090104	GPGDK1AD D	UXJ23743.	09/03/04	14:01
04	MW-12/090104	GPGDK2AA	UXJ23744.	09/03/04	14:24
05	MW-4/090104	GPGDL1AA	UXJ23737.	09/03/04	11:44
06	MW-4/090104	GPGDL2AA	UXJ23745.	09/03/04	14:47
07	MW-35/090104	GPGDM1AA	UXJ23738.	09/03/04	12:08
08	MW-35/090104	GPGDM2AA	UXJ23746.	09/03/04	15:10
09	OUTFALL-WR/090104	GPGDR1AA	UXJ23739.	09/03/04	12:30
10	OUTFALL-WR/090104	GPGDR2AA	UXJ23747.	09/03/04	15:33
11	TB01/090104	GPGD01AA	UXJ23740.	09/03/04	12:53
12	CHECK SAMPLE	GPPEH1AC C	UXJ23730.	09/03/04	09:00
13	DUPLICATE CHECK	GPPEH1AD L	UXJ23731.	09/03/04	09:23
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COMMENTS:

FORM IV

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID: BFB1360 BFB Injection Date: 08/12/04

Instrument ID: A3UX10 BFB Injection Time: 0610

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 100.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	7.1 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	92.5 (98.6)1
177	5.0 - 9.0% of mass 176	6.6 (7.1)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-A9IC	UXX0522	08/12/04	0633
02	VSTD020	100NG-A9IC	UXX0523	08/12/04	0656
03	VSTD010	50NG-A9IC	UXX0524	08/12/04	0718
04	VSTD005	25NG-A9IC	UXX0525	08/12/04	0741
05	VSTD002	10NG-A9IC	UXX0526	08/12/04	0804
06	VSTD001	5NG-A9IC	UXX0527	08/12/04	0827
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID: BFB1375 BFB Injection Date: 08/25/04

Instrument ID: A3UX10 BFB Injection Time: 2325

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 100.0% of mass 95	91.9
175	5.0 - 9.0% of mass 174	7.8 (8.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	87.4 (95.1)1
177	5.0 - 9.0% of mass 176	6.7 (7.6)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXX0907	08/25/04	2346
02	VSTD020	100NG-IC	UXX0908	08/26/04	0009
03	VSTD010	50NG-IC	UXX0909	08/26/04	0032
04	VSTD005	25NG-IC	UXX0910	08/26/04	0055
05	VSTD002	10NG-IC	UXX0911	08/26/04	0118
06	VSTD001	5NG-IC	UXX0912	08/26/04	0141
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page 1 of 1

FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID: BFB1384 BFB Injection Date: 09/02/04

Instrument ID: A3UX10 BFB Injection Time: 1722

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.7 (8.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	77.9 (100.1)1
177	5.0 - 9.0% of mass 176	5.2 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXX1171	09/02/04	1742
02	VSTD010	50NG-A9CC	UXX1172	09/02/04	1806
03	GPL15-CHK	GPL151AC	UXX1173	09/02/04	1829
04	GPL15-CKDUP	GPL151AD	UXX1174	09/02/04	1852
05	GPL15-BLK	GPL151AA	UXX1175	09/02/04	1915
06	FB01/090104	GPGDT1AA	UXX1185	09/02/04	2303
07	MW-302/09010	GPGC21AA	UXX1195	09/03/04	0251
08	MW-6/090104	GPGDJ1AA	UXX1196	09/03/04	0314
09	WRPZ05/09010	GPGDN1AA	UXX1197	09/03/04	0336
10	WRPZ20/09010	GPGDP1AA	UXX1198	09/03/04	0359
11	DUP01/090104	GPGDV1AA	UXX1199	09/03/04	0422
12	DUP01/090104	GPGDV2AA	UXX1200	09/03/04	0445
13	MW-302/09010	GPGC22AA	UXX1201	09/03/04	0508
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page 1 of 1

FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID: BFB207 BFB Injection Date: 08/16/04

Instrument ID: A3UX11 BFB Injection Time: 1309

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	81.3
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.9 (97.1)1
177	5.0 - 9.0% of mass 176	5.0 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-A9IC	UXJ23209	08/16/04	1618
02	VSTD020	100NG-A9IC	UXJ23210	08/16/04	1640
03	VSTD010	50NG-A9IC	UXJ23211	08/16/04	1703
04	VSTD005	25NG-A9IC	UXJ23212	08/16/04	1726
05	VSTD002	10NG-A9IC	UXJ23213	08/16/04	1748
06	VSTD001	5NG-A9IC	UXJ23214	08/16/04	1811
07					
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page 1 of 1

FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID: BFB211 BFB Injection Date: 08/23/04

Instrument ID: A3UX11 BFB Injection Time: 1550

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 100.0% of mass 95	82.2
175	5.0 - 9.0% of mass 174	6.1 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.0 (97.4)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXJ23274	08/23/04	1617
02	VSTD020	100NG-IC	UXJ23275	08/23/04	1639
03	VSTD010	50NG-IC	UXJ23276	08/23/04	1702
04	VSTD005	25NG-IC	UXJ23277	08/23/04	1724
05	VSTD002	10NG-IC	UXJ23278	08/23/04	1747
06	VSTD001	5NG-IC	UXJ23279	08/23/04	1810
07					
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page 1 of 1

FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID: BFB227 BFB Injection Date: 09/03/04

Instrument ID: A3UX11 BFB Injection Time: 0748

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.0 (6.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	71.6 (95.6)1
177	5.0 - 9.0% of mass 176	4.6 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ23728	09/03/04	0814
02	VSTD010	50NG-A9CC	UXJ23729	09/03/04	0837
03	GPPEH-CHK	GPPEH1AC	UXJ23730	09/03/04	0900
04	GPPEH-CKDUP	GPPEH1AD	UXJ23731	09/03/04	0923
05	GPPEH-BLK	GPPEH1AA	UXJ23732	09/03/04	0945
06	MW-12/090104	GPGDK1AA	UXJ23736	09/03/04	1122
07	MW-4/090104	GPGDL1AA	UXJ23737	09/03/04	1144
08	MW-35/090104	GPGDM1AA	UXJ23738	09/03/04	1208
09	OUTFALL-WR/0	GPGDR1AA	UXJ23739	09/03/04	1230
10	TB01/090104	GPGD01AA	UXJ23740	09/03/04	1253
11	MW-12/090104	GPGDK1AC	UXJ23742	09/03/04	1339
12	MW-12/090104	GPGDK1AD	UXJ23743	09/03/04	1401
13	MW-12/090104	GPGDK2AA	UXJ23744	09/03/04	1424
14	MW-4/090104	GPGDL2AA	UXJ23745	09/03/04	1447
15	MW-35/090104	GPGDM2AA	UXJ23746	09/03/04	1510
16	OUTFALL-WR/0	GPGDR2AA	UXJ23747	09/03/04	1533
17					
18					
19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID (Standard): UXX1171 Date Analyzed: 09/02/04

Instrument ID: A3UX10 Time Analyzed: 1742

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	1221779	7.81	1700505	5.14	636289	10.05
	UPPER LIMIT	2443558	8.31	3401010	5.64	1272578	10.55
	LOWER LIMIT	610890	7.31	850253	4.64	318145	9.55
	EPA SAMPLE NO.						
01	GPL15-CHK	1218693	7.81	1666058	5.13	593343	10.05
02	GPL15-CKDUP	1217986	7.81	1677061	5.14	587970	10.05
03	GPL15-BLK	1143603	7.81	1559422	5.14	529234	10.05
04	FB01/090104	1087263	7.81	1510922	5.14	505186	10.05
05	MW-302/09010	1118642	7.81	1551506	5.14	527217	10.05
06	MW-6/090104	1080603	7.81	1513464	5.14	506628	10.05
07	WRPZ05/09010	1095571	7.81	1495212	5.13	510240	10.05
08	WRPZ20/09010	1113798	7.81	1515113	5.14	516218	10.05
09	DUP01/090104	1074836	7.81	1541782	5.13	508354	10.05
10	DUP01/090104	1183178	7.81	1720770	5.14	559489	10.05
11	MW-302/09010	1190468	7.81	1684247	5.13	554604	10.05
12							
13							
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18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I02164

Lab File ID (Standard): UXJ23728 Date Analyzed: 09/03/04

Instrument ID: A3UX11 Time Analyzed: 0814

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	1410412	7.73	1853900	5.09	876033	9.96
	UPPER LIMIT	2820824	8.23	3707800	5.59	1752066	10.46
	LOWER LIMIT	705206	7.23	926950	4.59	438017	9.46
	EPA SAMPLE NO.						
01	GPPEH-CHK	1359558	7.74	1855058	5.09	717948	9.96
02	GPPEH-CKDUP	1337998	7.74	1812847	5.09	721386	9.96
03	GPPEH-BLK	1276425	7.74	1655687	5.09	534906	9.96
04	MW-12/090104	1309290	7.74	1814586	5.09	614807	9.96
05	MW-4/090104	1245442	7.74	1823937	5.09	585244	9.96
06	MW-35/090104	1256973	7.74	1637074	5.09	563543	9.96
07	OUTFALL-WR/0	1259893	7.74	1692126	5.09	614169	9.96
08	TB01/090104	1244086	7.74	1611825	5.09	567370	9.96
09	MW-12/090104	1384513	7.73	1853147	5.09	731419	9.96
10	MW-12/090104	1379484	7.73	1875061	5.09	735102	9.96
11	MW-12/090104	1358777	7.73	1930252	5.09	656576	9.96
12	MW-4/090104	1302206	7.74	1926531	5.09	648246	9.96
13	MW-35/090104	1333978	7.74	1837247	5.09	621556	9.96
14	OUTFALL-WR/0	1368554	7.74	1879955	5.09	764393	9.96
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW-302/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-001 **Work Order #...:** GPGC21AA **Matrix.....:** WG
Date Sampled...: 09/01/04 11:52 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 500 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**390 J,B**	**5000**	**ug/L**
Acetonitrile	ND	10000	ug/L
Acrolein	ND	10000	ug/L
Acrylonitrile	ND	10000	ug/L
Benzene	**1900**	**500**	**ug/L**
Bromodichloromethane	ND	500	ug/L
Bromoform	ND	500	ug/L
Bromomethane	ND	500	ug/L
2-Butanone	ND	5000	ug/L
Carbon disulfide	ND	500	ug/L
Carbon tetrachloride	ND	500	ug/L
Chlorobenzene	**280 J**	**500**	**ug/L**
Chloroprene	ND	1000	ug/L
Dibromochloromethane	ND	500	ug/L
Chloroethane	ND	500	ug/L
Chloroform	**16000**	**500**	**ug/L**
Chloromethane	ND	500	ug/L
3-Chloropropene	ND	1000	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	ug/L
1,2-Dibromoethane	ND	500	ug/L
Dibromomethane	ND	500	ug/L
trans-1,4-Dichloro-2-butene	ND	500	ug/L
1,1-Dichloroethane	**970**	**500**	**ug/L**
1,2-Dichloroethane	**17000**	**500**	**ug/L**
cis-1,2-Dichloroethene	**17000**	**500**	**ug/L**
trans-1,2-Dichloroethene	**140 J**	**500**	**ug/L**
1,1-Dichloroethene	ND	500	ug/L
1,2-Dichloroethene (total)	**17000**	**1000**	**ug/L**
Dichlorofluoromethane	ND	1000	ug/L
1,2-Dichloropropane	ND	500	ug/L
cis-1,3-Dichloropropene	ND	500	ug/L
trans-1,3-Dichloropropene	ND	500	ug/L
1,4-Dioxane	**7000 J**	**25000**	**ug/L**
Ethylbenzene	ND	500	ug/L
Ethyl methacrylate	ND	500	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-302/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-001 **Work Order #...:** GPGC21AA **Matrix.....:** WG

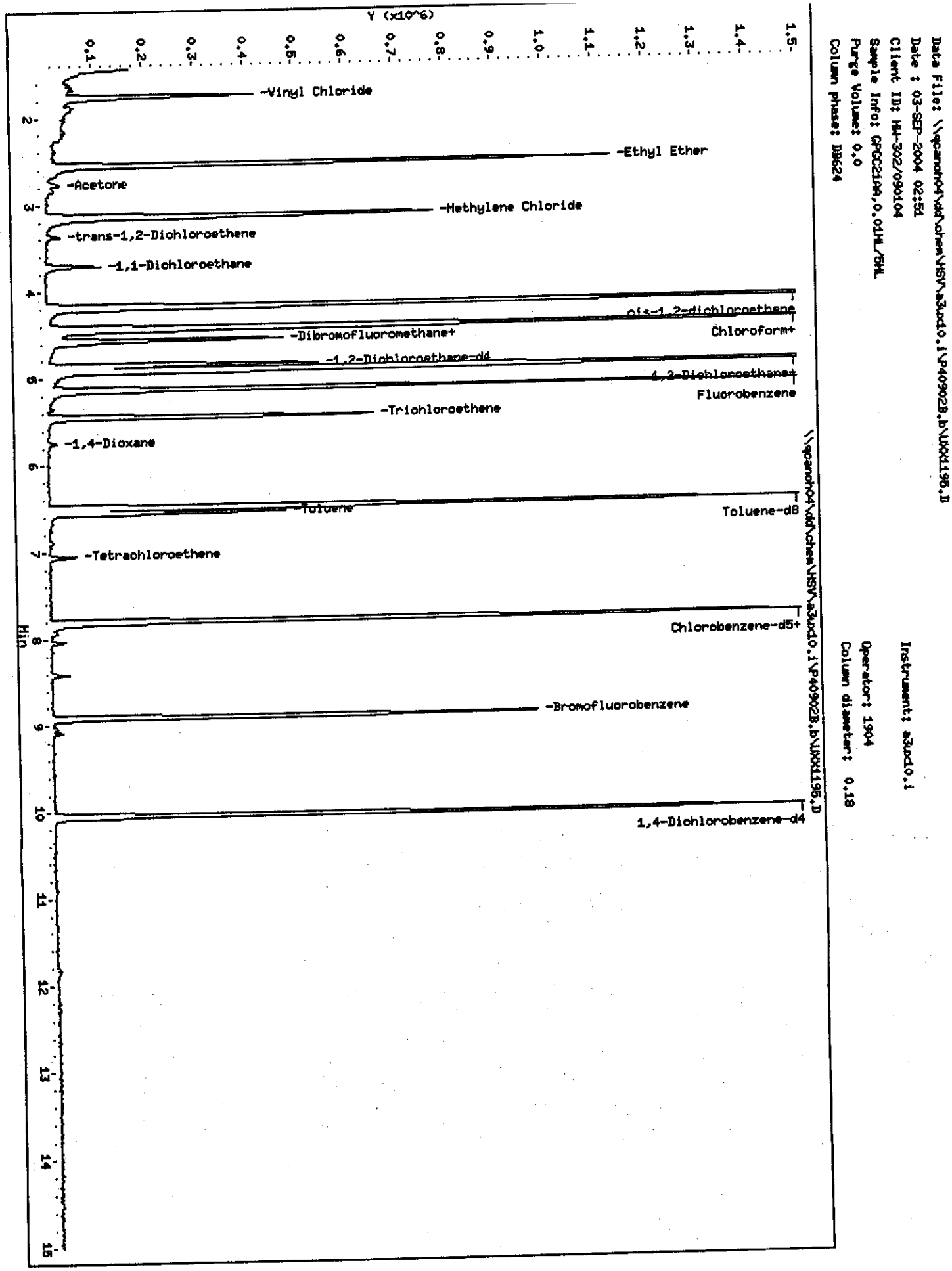
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	5000	ug/L
Iodomethane	ND	500	ug/L
Isobutanol	ND	25000	ug/L
Methacrylonitrile	ND	1000	ug/L
Methylene chloride	**8300**	**500**	**ug/L**
Methyl methacrylate	ND	1000	ug/L
4-Methyl-2-pentanone	ND	5000	ug/L
Propionitrile	ND	2000	ug/L
Styrene	ND	500	ug/L
1,1,1,2-Tetrachloroethane	ND	500	ug/L
1,1,2,2-Tetrachloroethane	ND	500	ug/L
Tetrachloroethene	**240 J**	**500**	**ug/L**
Toluene	**1300**	**500**	**ug/L**
1,1,1-Trichloroethane	**250 J**	**500**	**ug/L**
1,1,2-Trichloroethane	ND	500	ug/L
Trichloroethene	**3200**	**500**	**ug/L**
Trichlorofluoromethane	ND	500	ug/L
1,2,3-Trichloropropane	ND	500	ug/L
Vinyl acetate	ND	1000	ug/L
Vinyl chloride	**7400**	**500**	**ug/L**
Xylenes (total)	ND	1000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.


Data File: \\qcanch04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1195.D
Date : 03-SEP-2004 02:51
Client ID: HW-302/090104
Sample Info: GPGC21AA,0.01ML/5ML
Purge Volume: 0.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-Acetone
-Methylene Chloride
-trans-1,2-Dichloroethene
-1,1-Dichloroethane
cis-1,2-dichloroethene
-Dibromofluoromethane+
Chloroform+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane
-Toluene
Toluene-d8
-Tetrachloroethene
Chlorobenzene-d5+
-Bromofluorobenzene
1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D
Report Date: 03-Sep-2004 17:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D
Lab Smp Id: GPGC21AA
Client Smp ID: MW-302/090104
Inj Date : 03-SEP-2004 02:51
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGC21AA,0.01ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.010	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1551506	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1118642	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.045	(1.000)	527217	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	305102	52.4293	5242.9
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	409544	51.0437	5104.4
$ 6 Toluene-d8	98	6.496	6.495	(0.832)	1215968	52.7521	5275.2
$ 7 Bromofluorobenzene	95	8.910	8.909	(1.141)	407886	45.5487	4554.9
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.751	1.750	(0.341)	515772	73.8872	7388.7
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.757	2.768	(0.537)	21867	3.94675	394.68
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D
Report Date: 03-Sep-2004 17:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.135	3.135	(0.611)	558286	83.1382	8313.8
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.360	3.372	(0.654)	9822	1.44700	144.70
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	115140	9.74502	974.50
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1260491	172.249	17225
	32 cis-1,2-dichloroethene	96	4.177	4.176	(0.813)	1250669	170.802	17080
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.437	4.436	(0.864)	1965319	162.560	16256
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	428928	114.411	11441
	37 1,1,1-Trichloroethane	97	4.603	4.602	(0.896)	23586	2.53273	253.27
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	1679135	166.228	16623
	41 Benzene	78	4.910	4.910	(0.956)	553533	18.9018	1890.2
	42 Trichloroethene	130	5.455	5.454	(1.062)	246421	32.1195	3211.9
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.739	5.738	(1.118)	15774	70.2774	7027.7
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.555	6.555	(0.839)	367371	13.0358	1303.6
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.064	7.063	(0.905)	12821	2.36392	236.39
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.833	7.832	(1.003)	51310	2.81567	281.57
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D
Report Date: 03-Sep-2004 17:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.544	2.544	(0.495)	775387	96.8600	9686.0
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

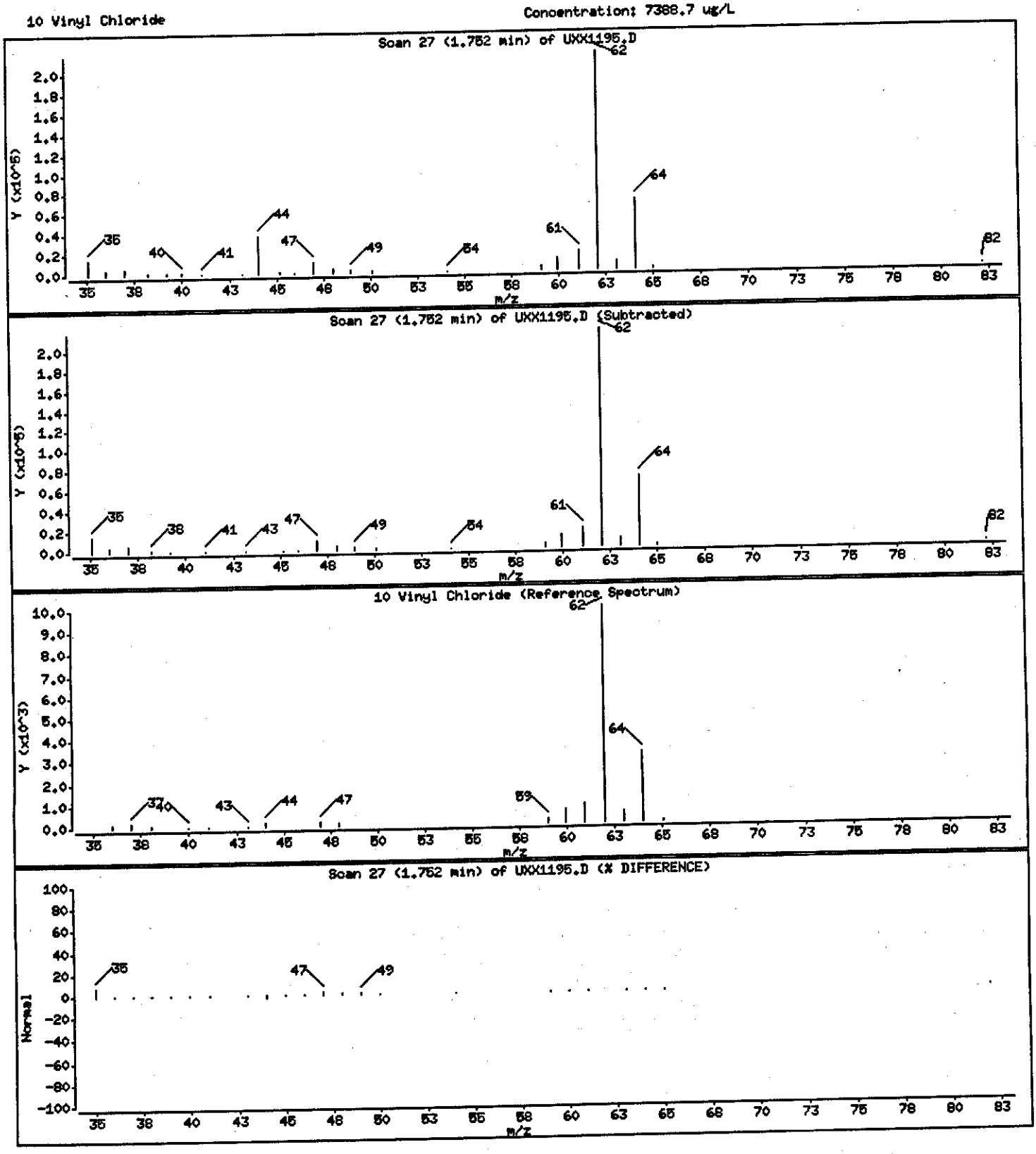
Operator: 1904

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 7388.7 ug/L



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

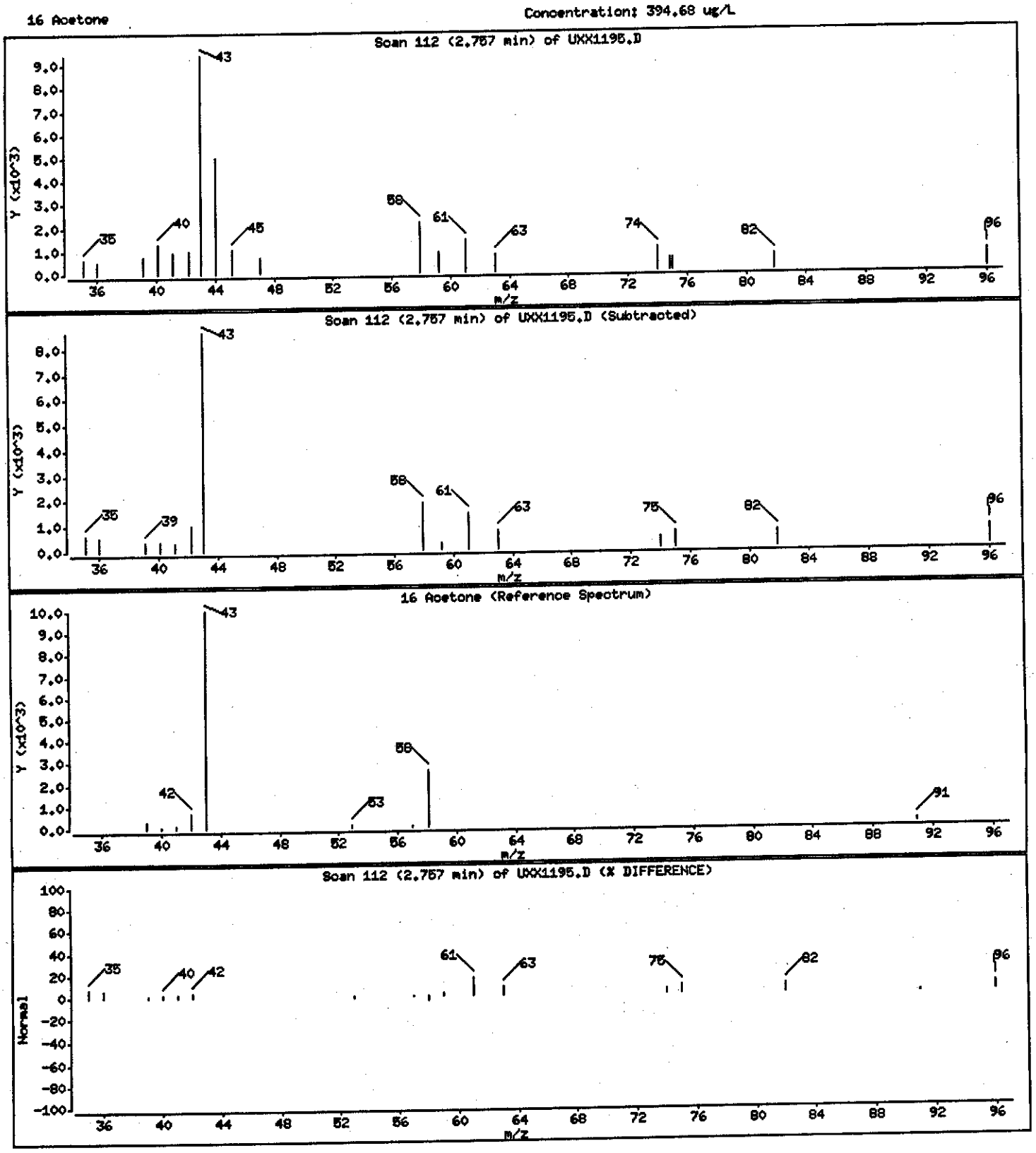
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 394.68 ug/L



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

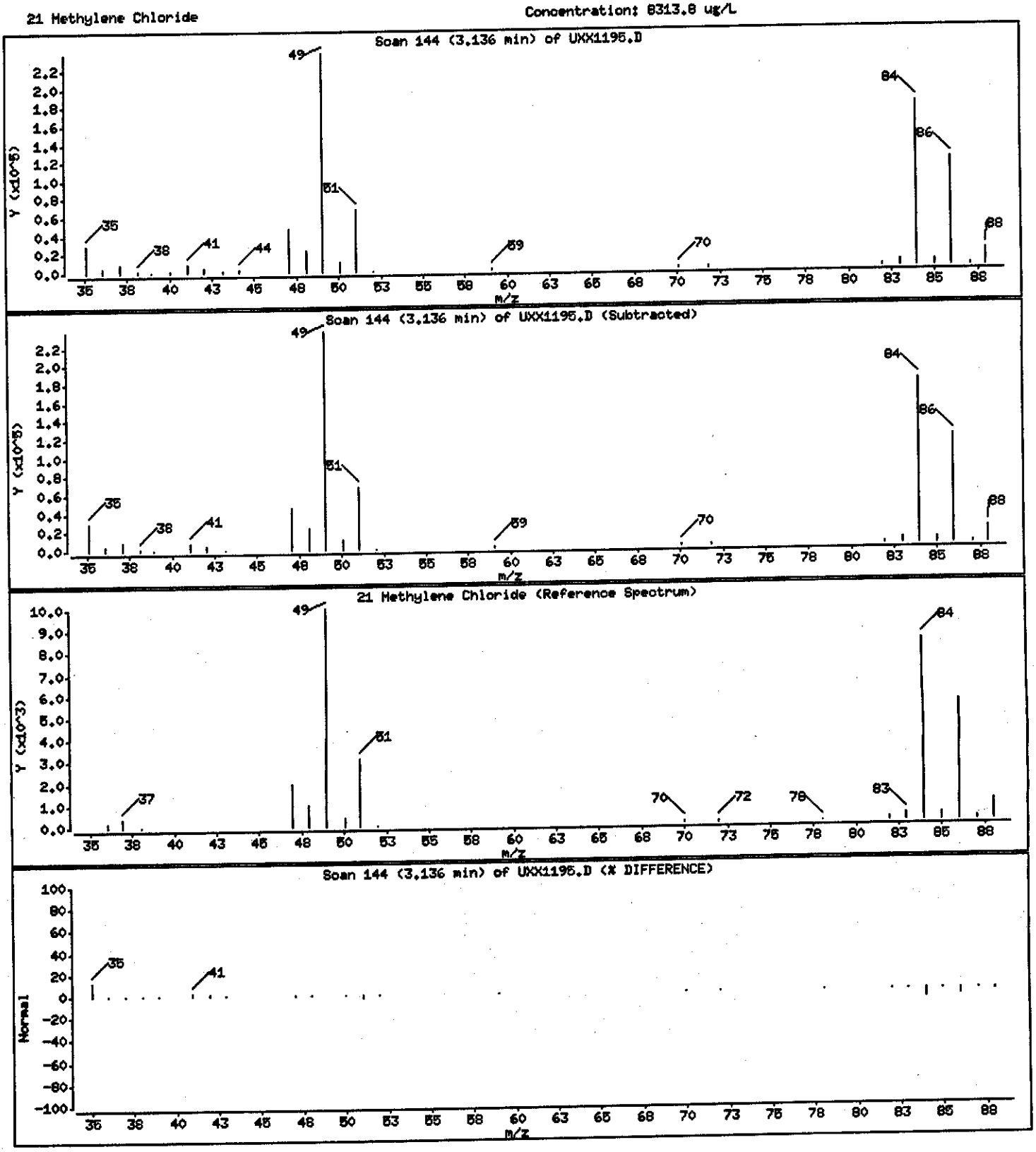
Operator: 1904

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 8313.8 ug/L



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

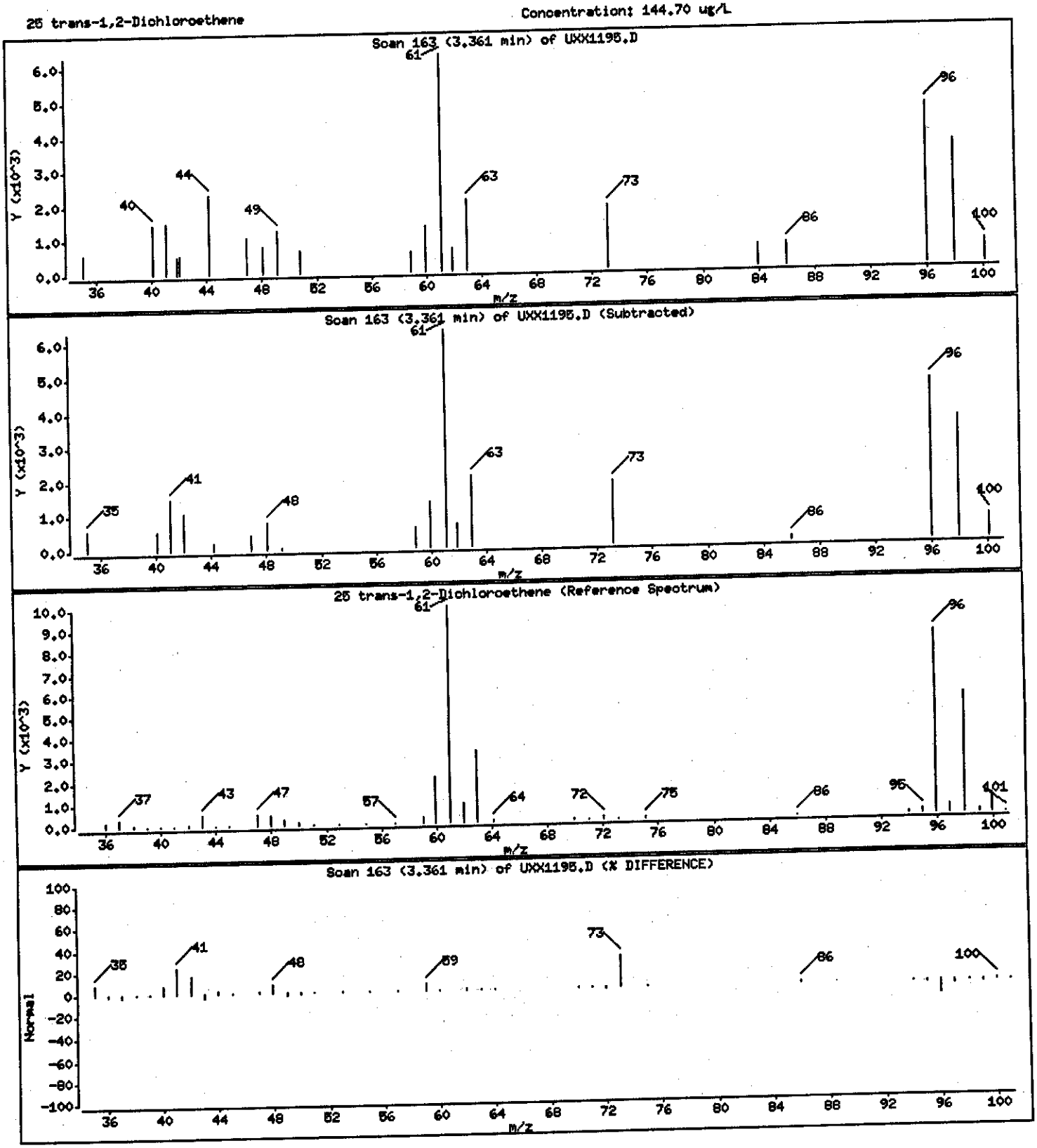
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 144.70 ug/L

25 trans-1,2-Dichloroethene



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

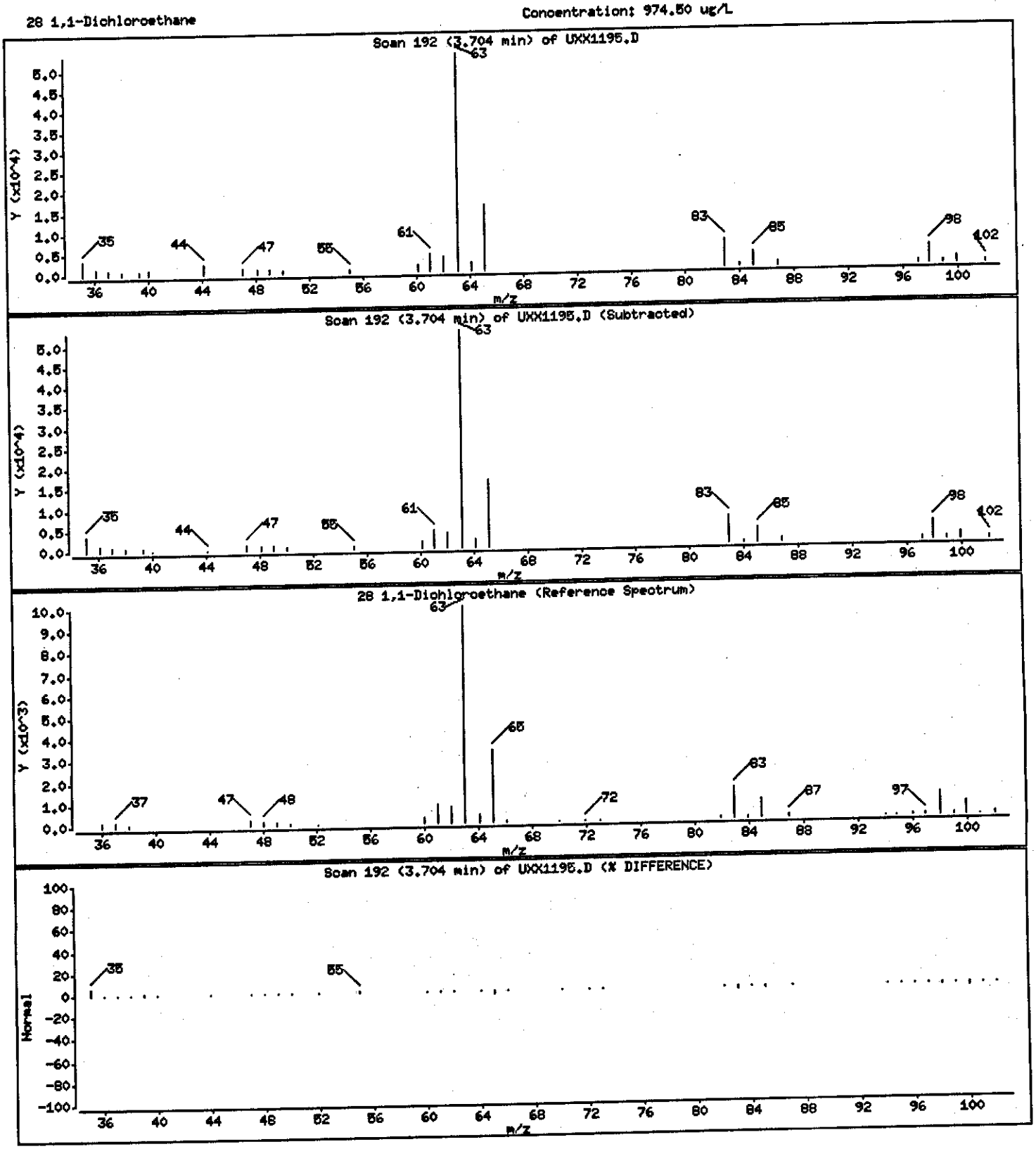
Operator: 1904

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 974.50 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC21AA,0.01ML/5ML

Operator: 1904

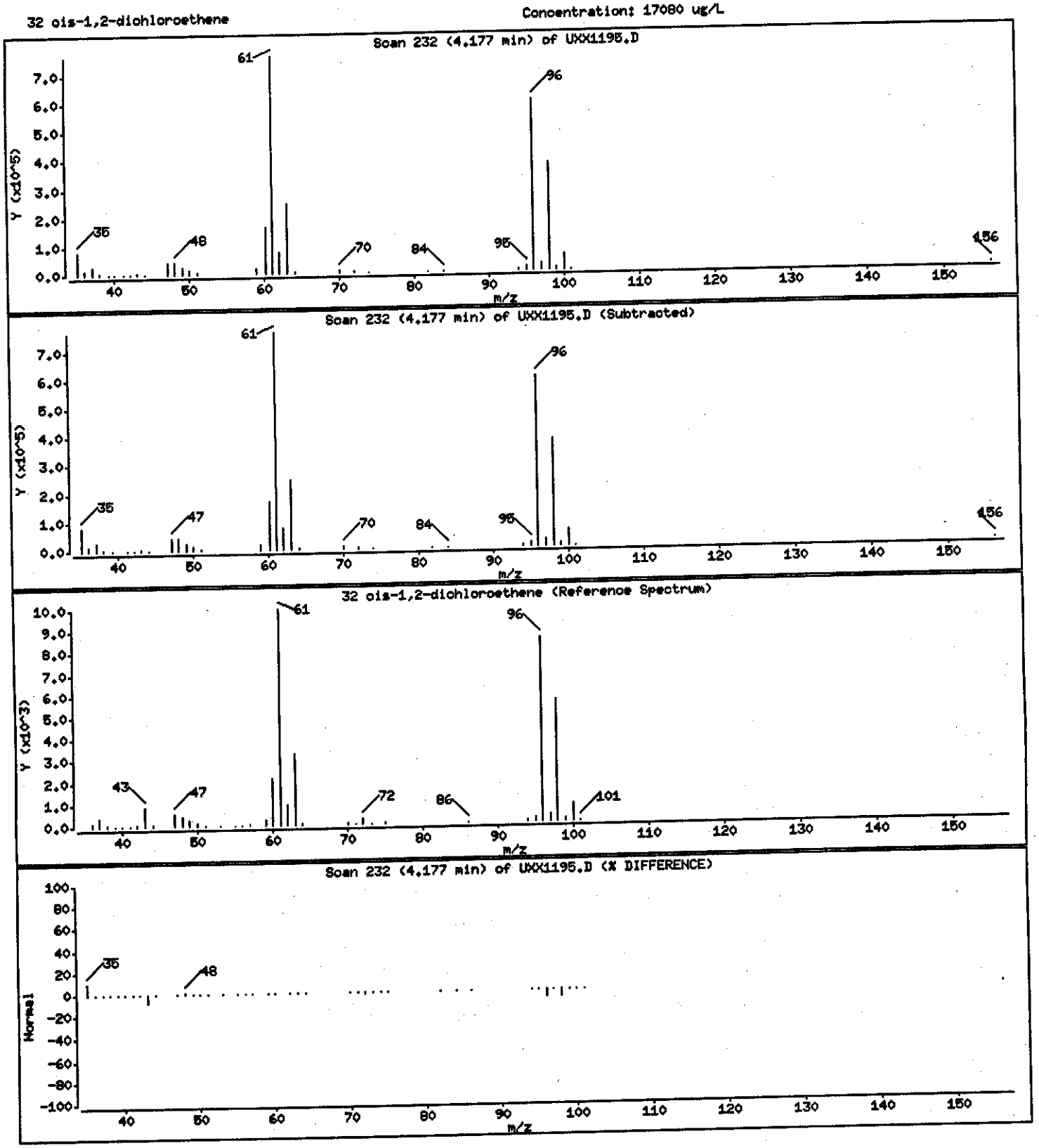
Purge Volume: 0.0

Column diameter: 0.18

Column phase: DB624

Concentration: 17080 ug/L

32 cis-1,2-dichloroethene



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

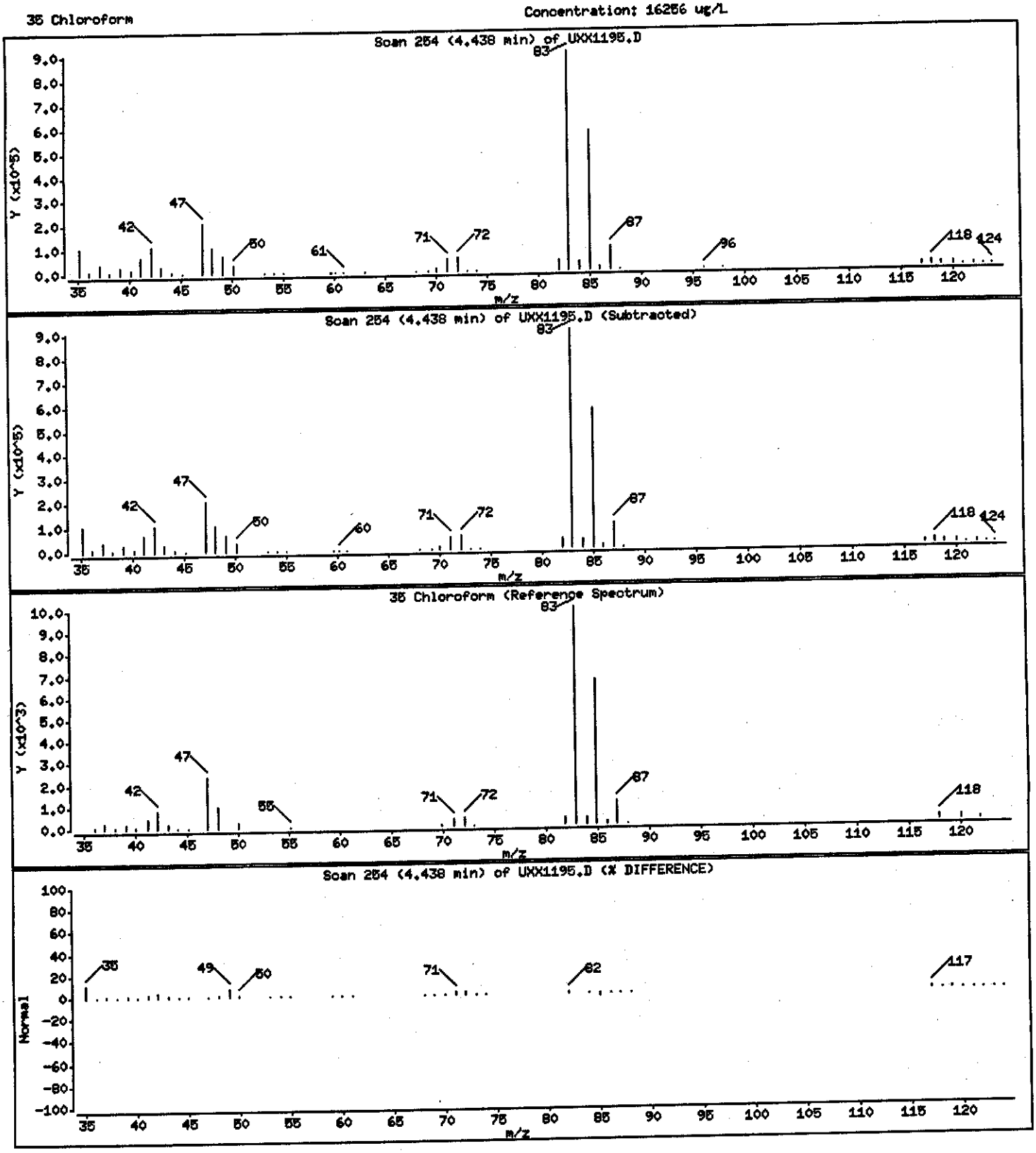
Operator: 1904

Column phase: DB624

Column diameter: 0.18

35 Chloroform

Concentration: 16256 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Operator: 1904

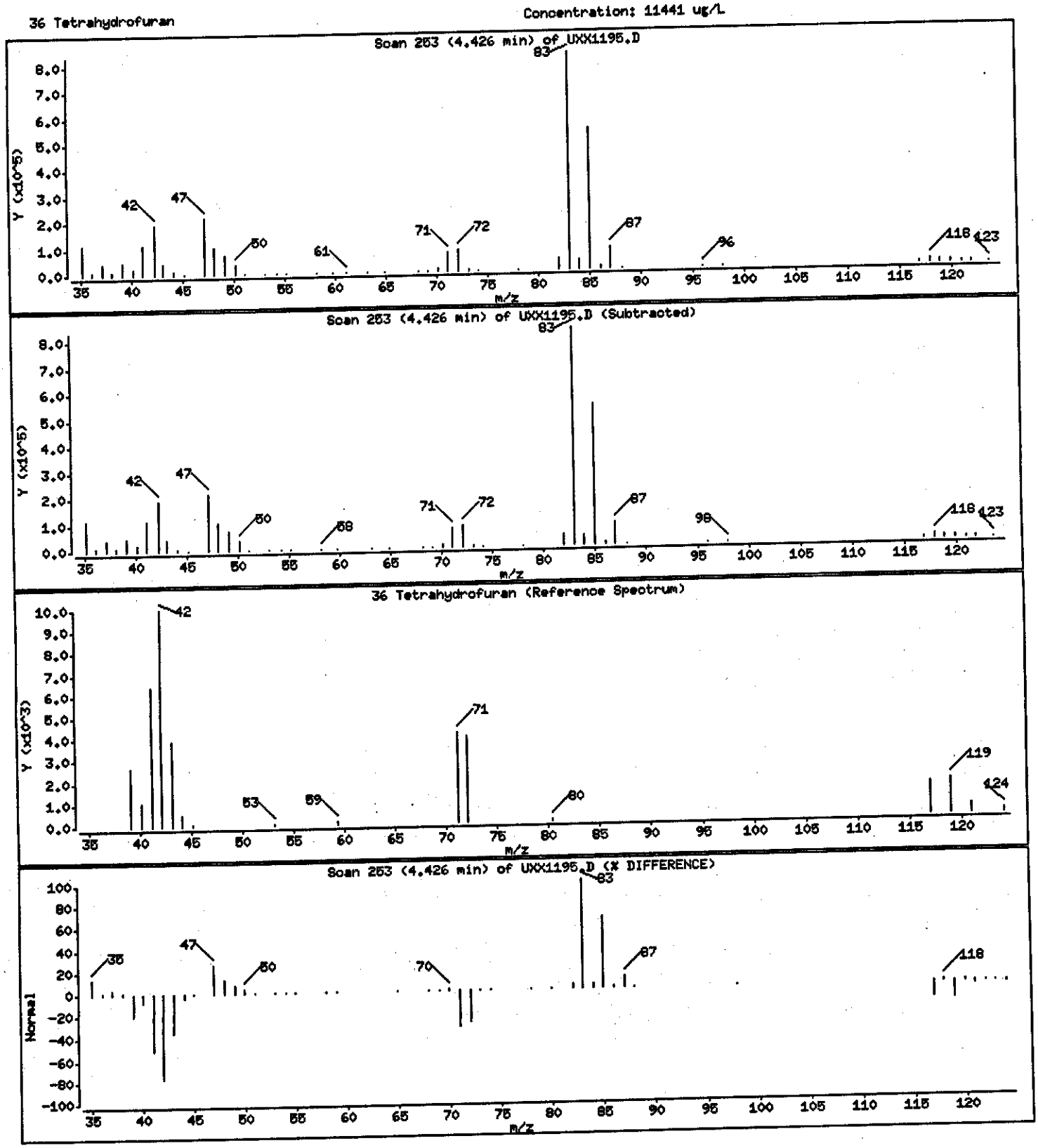
Purge Volume: 0.0

Column diameter: 0.18

Column phase: DB624

Concentration: 11441 ug/L

36 Tetrahydrofuran



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Operator: 1904

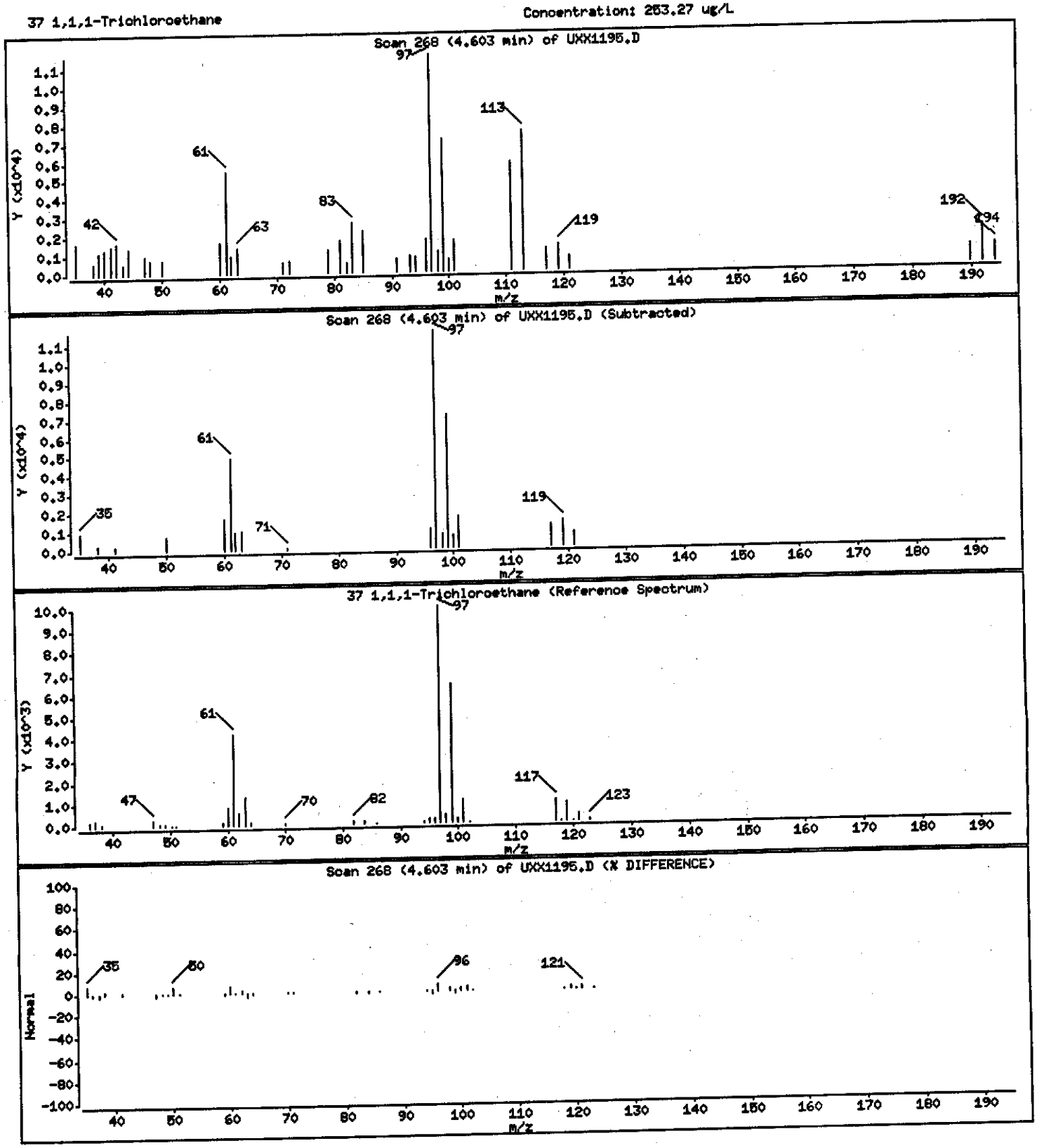
Purge Volume: 0.0

Column phase: DB624

Column diameter: 0.18

37 1,1,1-Trichloroethane

Concentration: 253.27 ug/L



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC21AA,0.01ML/5ML

Purge Volume: 0.0

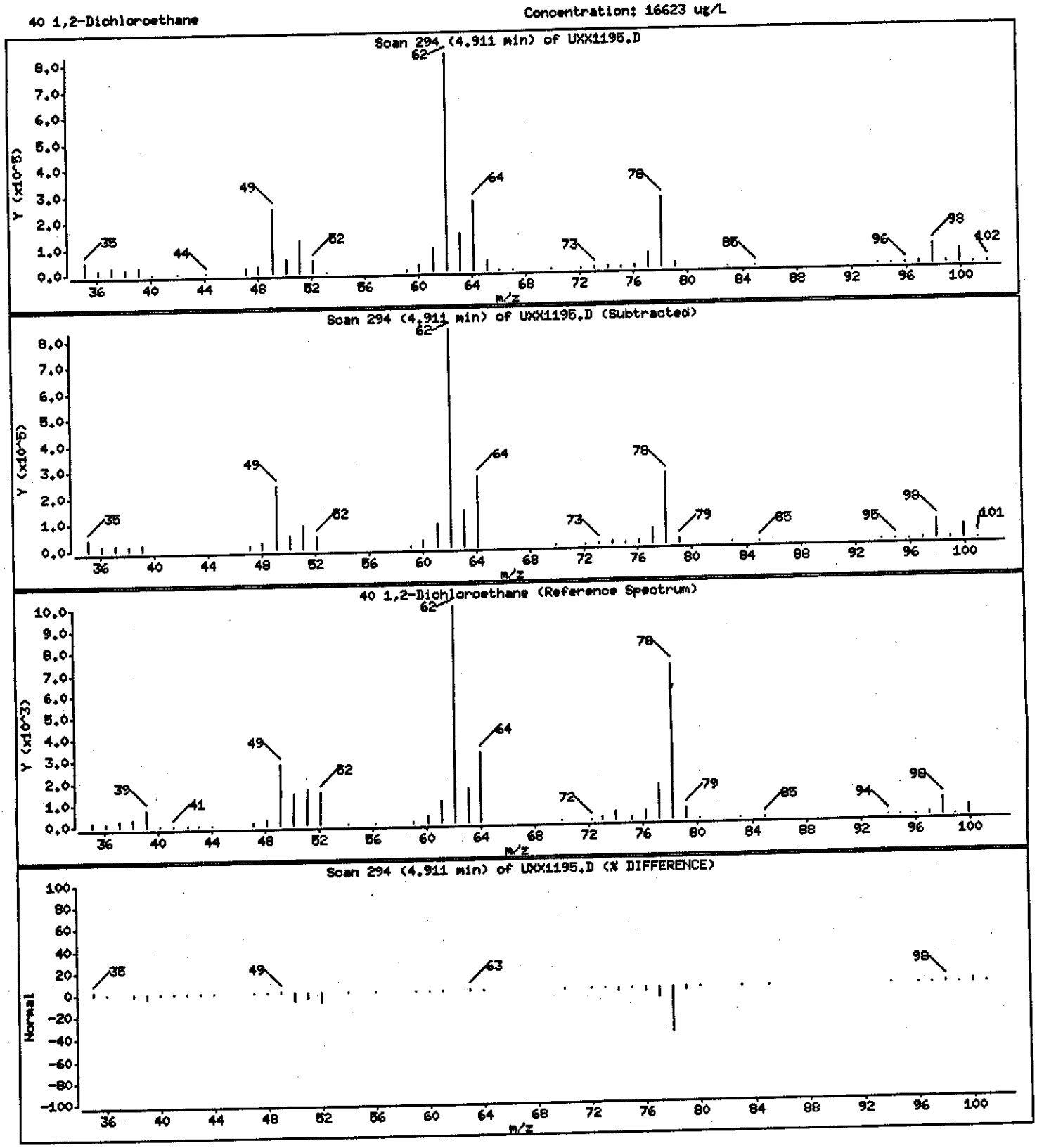
Operator: 1904

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 16623 ug/L



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Operator: 1904

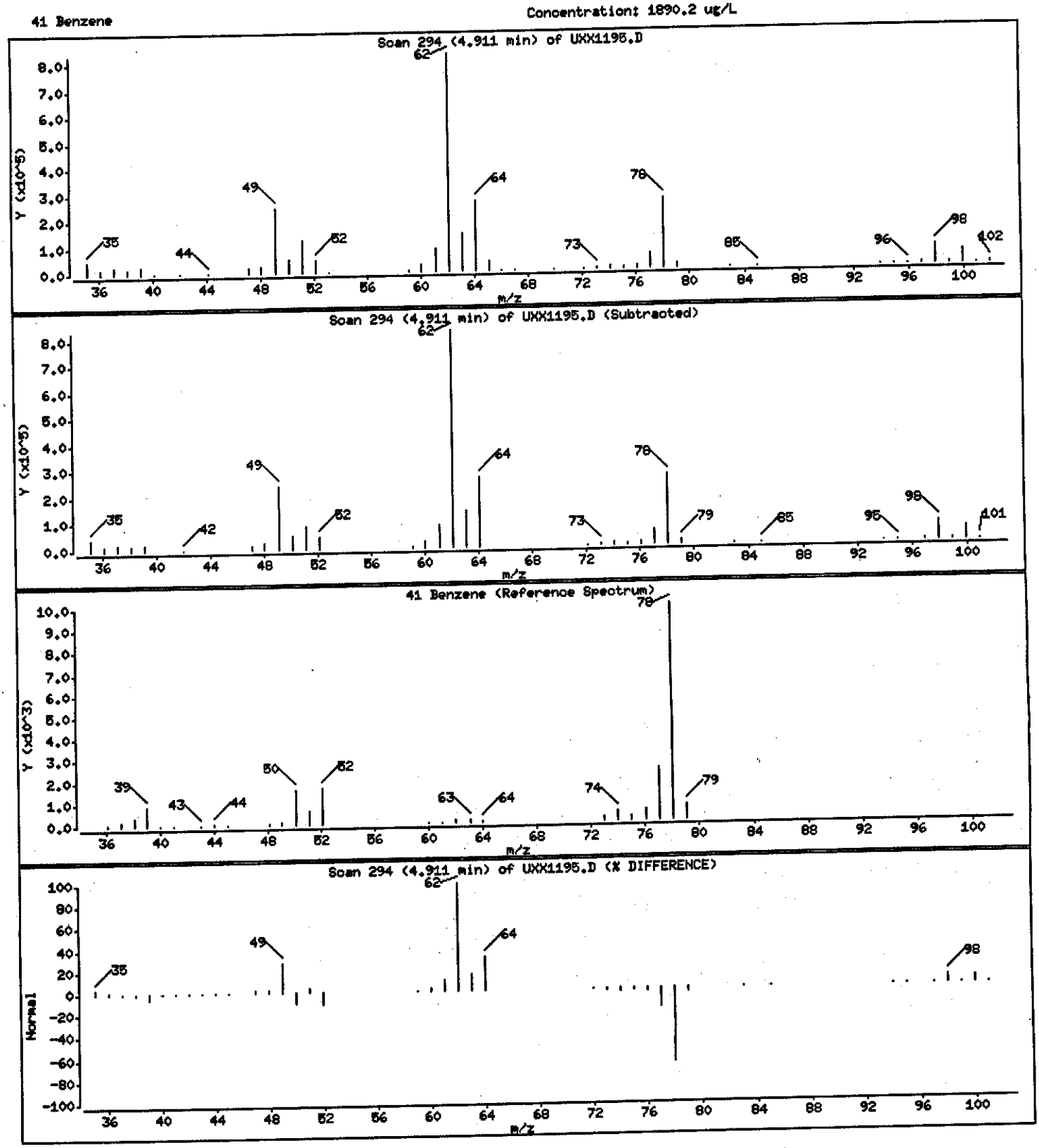
Purge Volume: 0.0

Column phase: DB624

Column diameter: 0.18

Concentration: 1890.2 ug/L

41 Benzene



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Operator: 1904

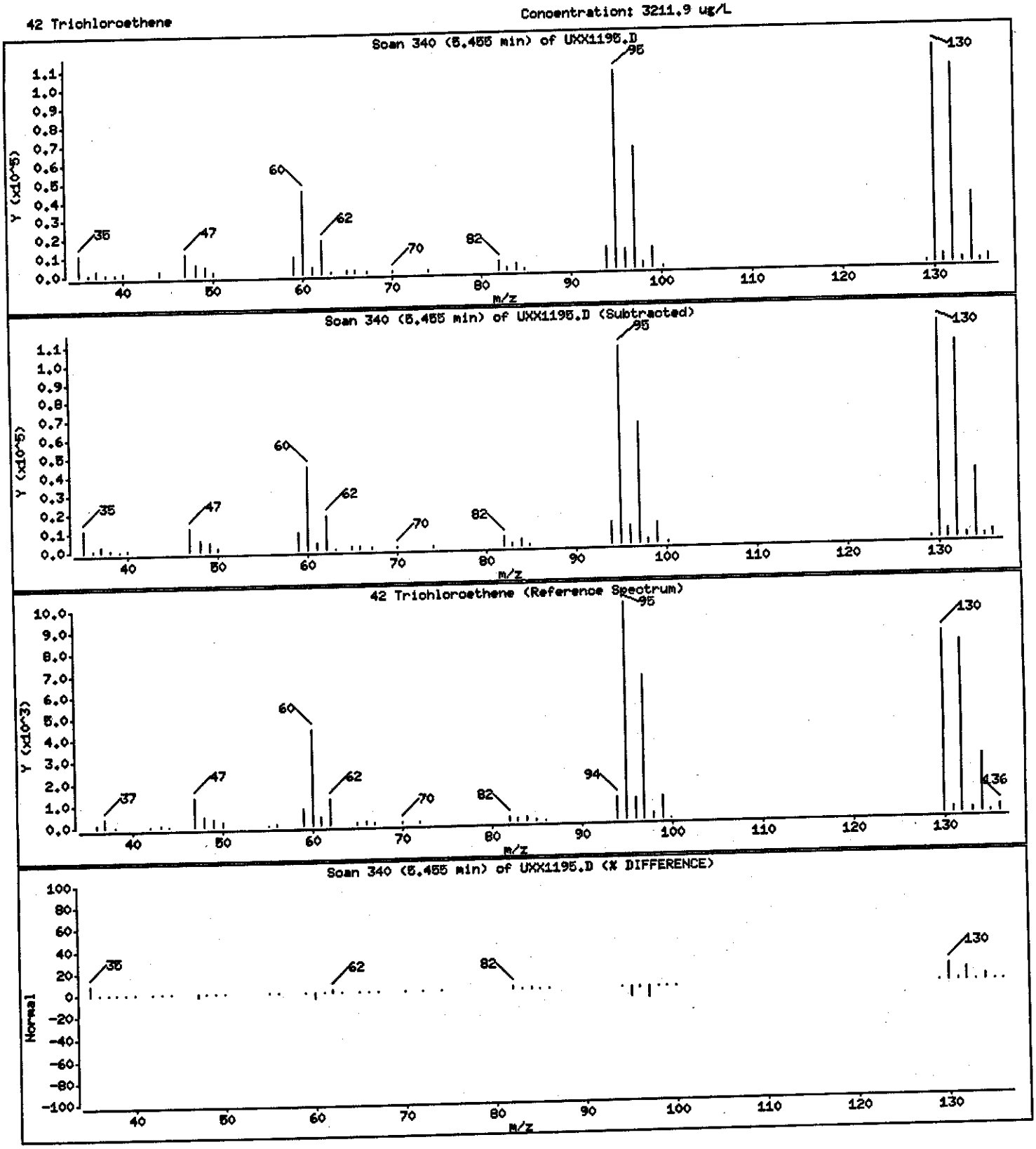
Purge Volume: 0.0

Column diameter: 0.18

Column phase: DB624

Concentration: 3211.9 ug/L

42 Trichloroethene



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

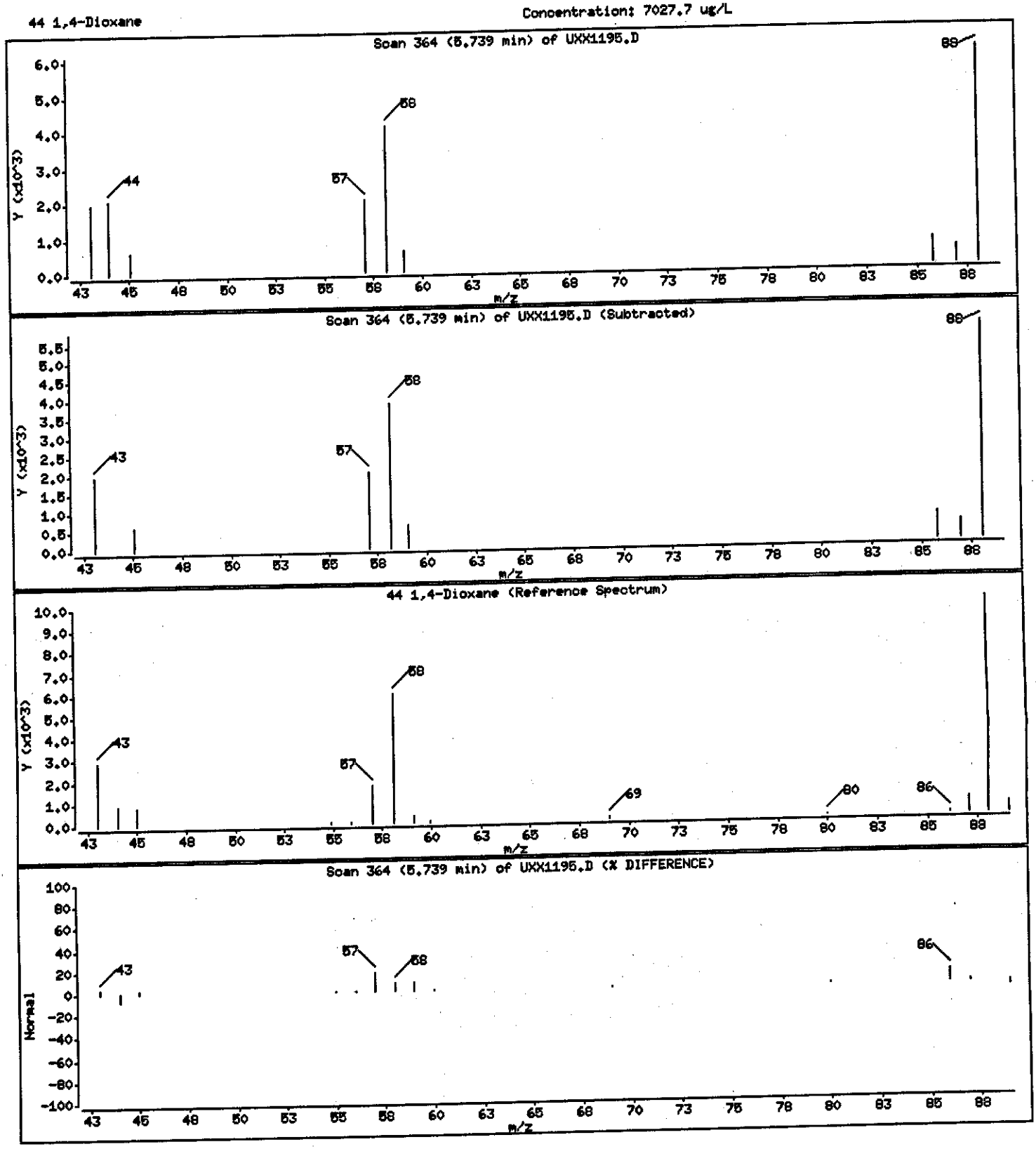
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 7027.7 ug/L

44 1,4-Dioxane



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

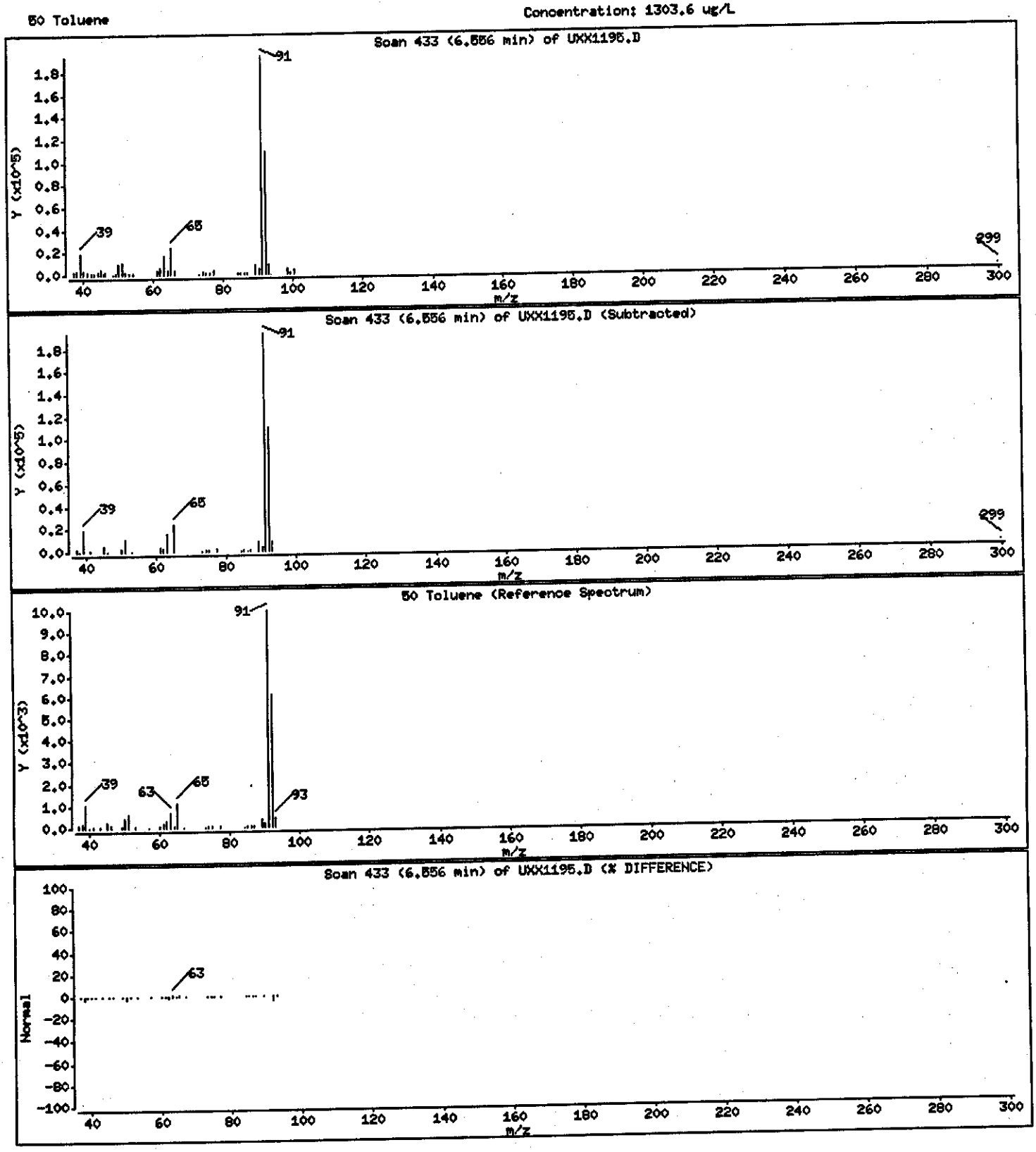
Operator: 1904

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 1303.6 ug/L



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Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Purge Volume: 0.0

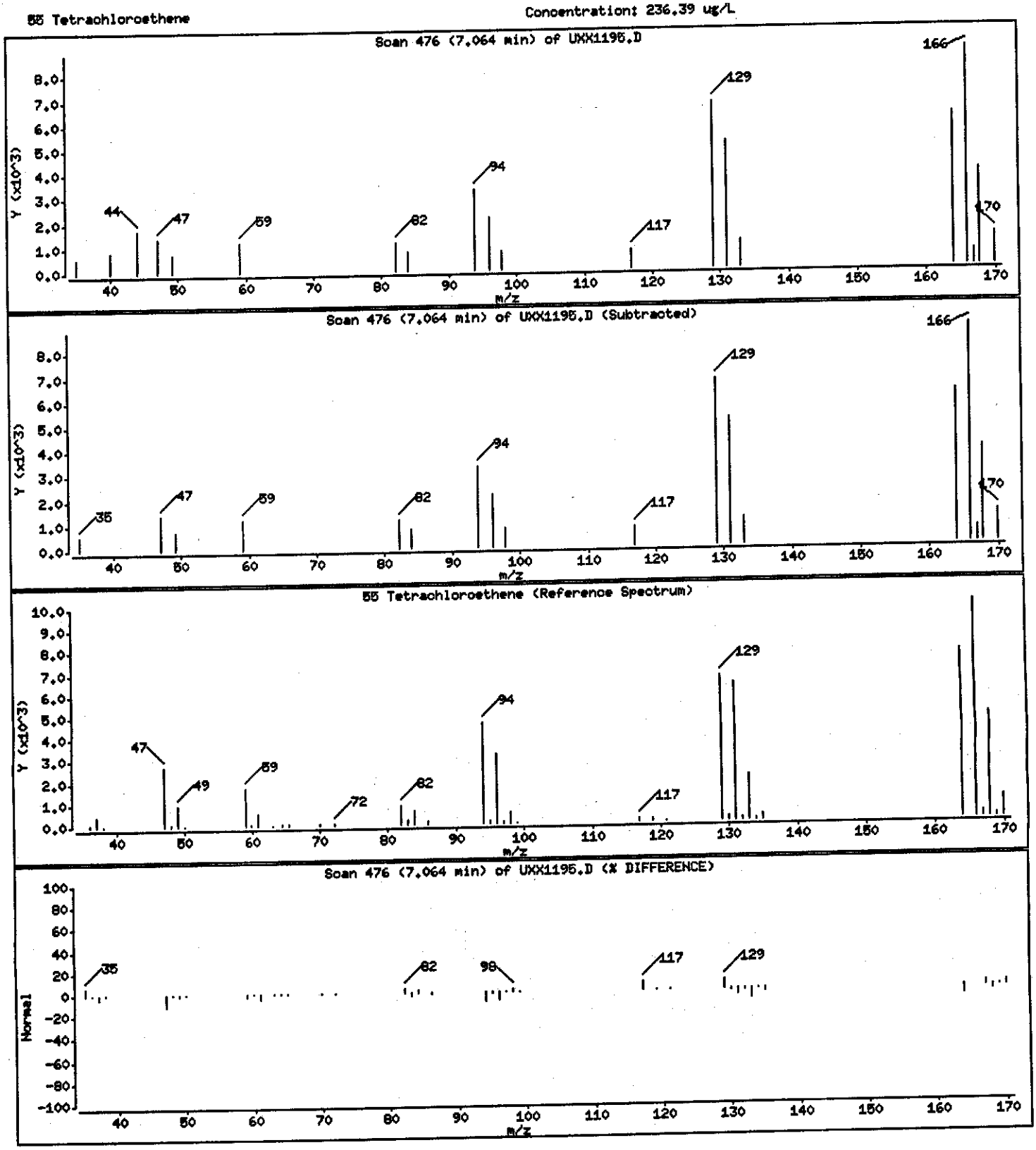
Operator: 1904

Column phase: DB624

Column diameter: 0.18

55 Tetrachloroethene

Concentration: 236.39 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC21AA,0.01ML/5ML

Operator: 1904

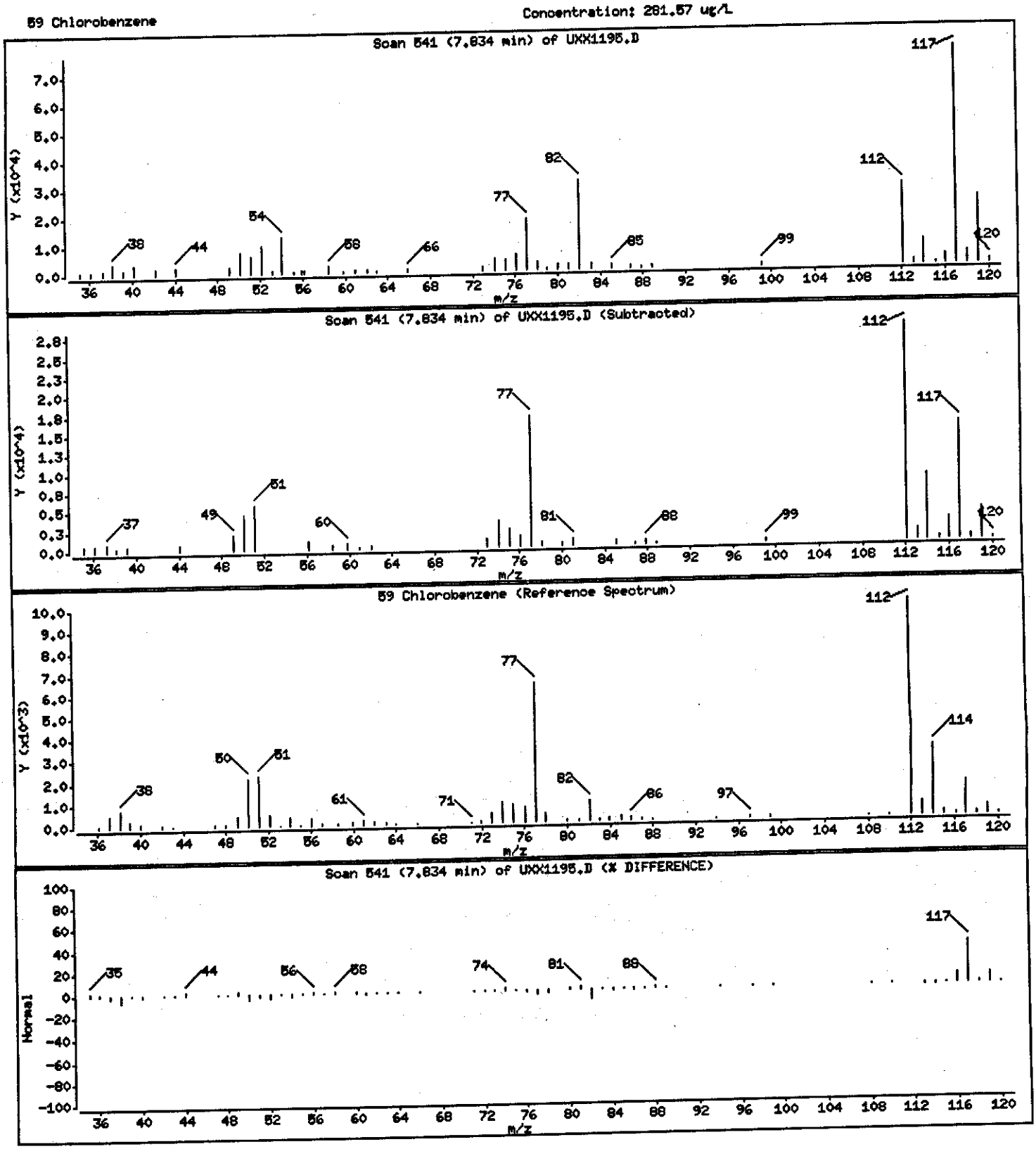
Purge Volume: 0.0

Column diameter: 0.18

Column phase: DB624

Concentration: 281.57 ug/L

59 Chlorobenzene



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1195.D

Date : 03-SEP-2004 02:51

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC21AA,0.01ML/5ML

Purge Volume: 0.0

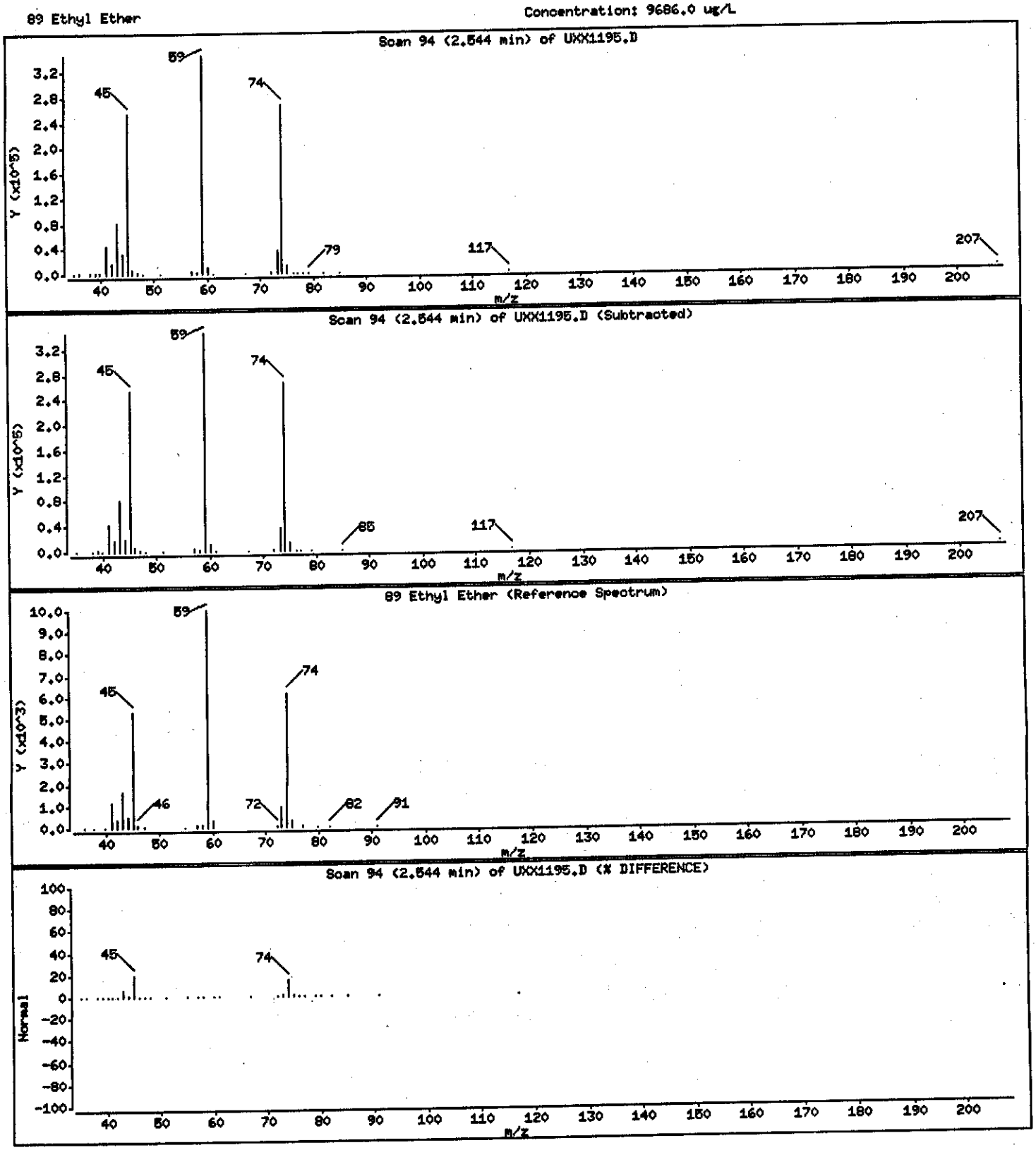
Operator: 1904

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 9686.0 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-302/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-001 **Work Order #...:** GPGC22AA **Matrix.....:** WG
Date Sampled...: 09/01/04 11:52 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 50 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**95 J,B**	**500**	**ug/L**
Acetonitrile	ND	1000	ug/L
Acrolein	ND	1000	ug/L
Acrylonitrile	ND	1000	ug/L
Benzene	**2000**	**50**	**ug/L**
Bromodichloromethane	ND	50	ug/L
Bromoform	ND	50	ug/L
Bromomethane	ND	50	ug/L
2-Butanone	ND	500	ug/L
Carbon disulfide	ND	50	ug/L
Carbon tetrachloride	ND	50	ug/L
Chlorobenzene	**280**	**50**	**ug/L**
Chloroprene	ND	100	ug/L
Dibromochloromethane	ND	50	ug/L
Chloroethane	ND	50	ug/L
Chloroform	**16000 E**	**50**	**ug/L**
Chloromethane	ND	50	ug/L
3-Chloropropene	ND	100	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	ug/L
1,2-Dibromoethane	ND	50	ug/L
Dibromomethane	ND	50	ug/L
trans-1,4-Dichloro-2-butene	ND	50	ug/L
1,1-Dichloroethane	**890**	**50**	**ug/L**
1,2-Dichloroethane	**16000 E**	**50**	**ug/L**
cis-1,2-Dichloroethene	**19000 E**	**50**	**ug/L**
trans-1,2-Dichloroethene	**140**	**50**	**ug/L**
1,1-Dichloroethene	**45 J**	**50**	**ug/L**
1,2-Dichloroethene (total)	**20000 E**	**100**	**ug/L**
Dichlorofluoromethane	ND	100	ug/L
1,2-Dichloropropane	ND	50	ug/L
cis-1,3-Dichloropropene	ND	50	ug/L
trans-1,3-Dichloropropene	ND	50	ug/L
1,4-Dioxane	**26000**	**2500**	**ug/L**
Ethylbenzene	**36 J**	**50**	**ug/L**
Ethyl methacrylate	ND	50	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-302/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-001 **Work Order #...:** GPGC22AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	500	ug/L
Iodomethane	ND	50	ug/L
Isobutanol	ND	2500	ug/L
Methacrylonitrile	ND	100	ug/L
Methylene chloride	**8200 E**	**50**	**ug/L**
Methyl methacrylate	ND	100	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
Propionitrile	ND	200	ug/L
Styrene	ND	50	ug/L
1,1,1,2-Tetrachloroethane	ND	50	ug/L
1,1,2,2-Tetrachloroethane	**91**	**50**	**ug/L**
Tetrachloroethene	**290**	**50**	**ug/L**
Toluene	**1400**	**50**	**ug/L**
1,1,1-Trichloroethane	**270**	**50**	**ug/L**
1,1,2-Trichloroethane	ND	50	ug/L
Trichloroethene	**3500 E**	**50**	**ug/L**
Trichlorofluoromethane	ND	50	ug/L
1,2,3-Trichloropropane	ND	50	ug/L
Vinyl acetate	ND	100	ug/L
Vinyl chloride	**7700 E**	**50**	**ug/L**
Xylenes (total)	**170**	**100**	**ug/L**

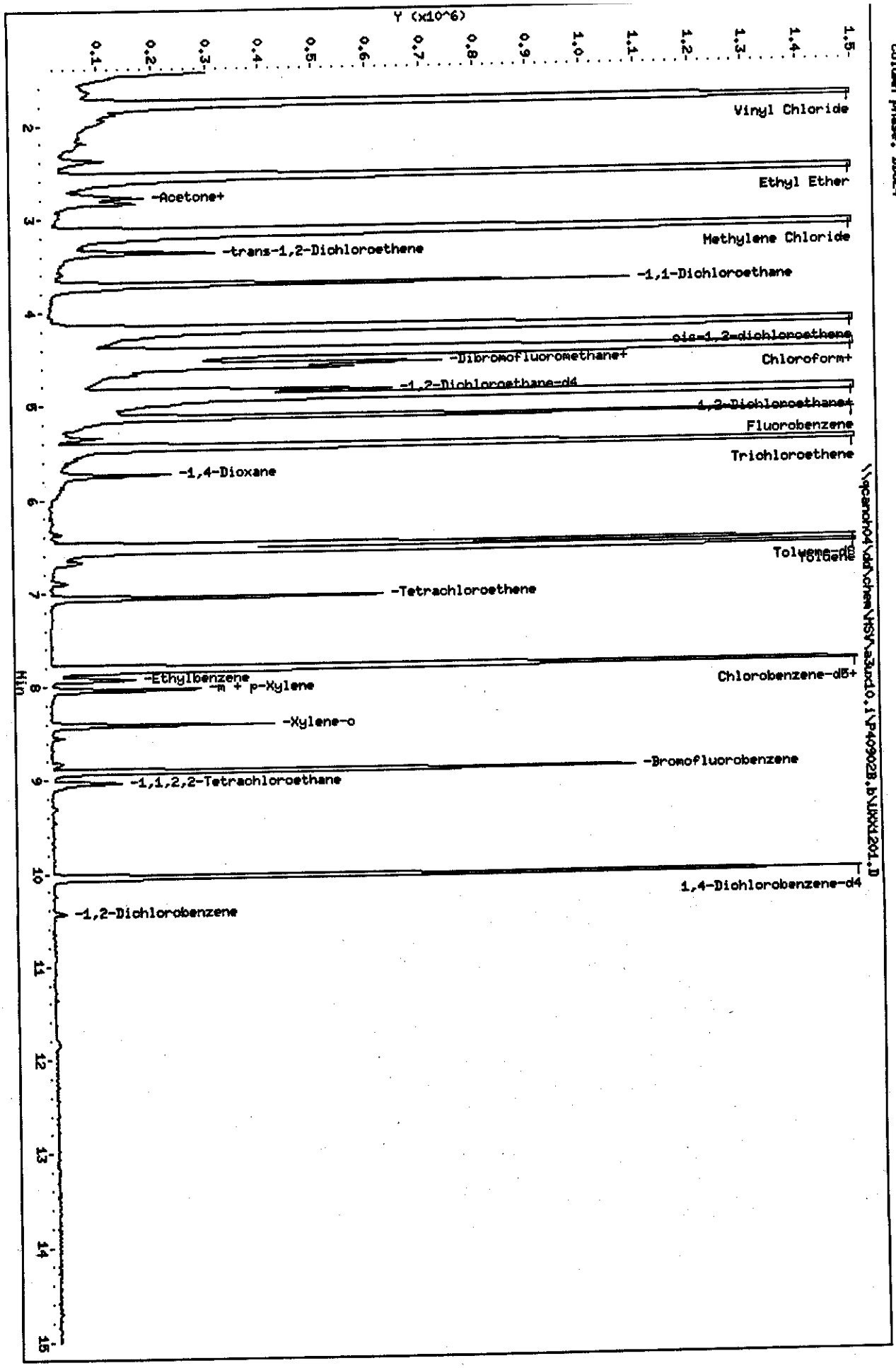
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

E Estimated result. Result concentration exceeds the calibration range.


Data File: \\qcandh04\dd\chem\HSV\a3ucl0.i\P409028.b\UXX1201.D
Date : 03-SEP-2004 05:08
Client ID: MW-302/090104
Sample Info: GPCC2200,0.1ML/5ML
Purge Volume: 0.1
Column phase: DB624
Instrument: a3ucl0.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
Ethyl Ether
-Acetone+
Methylene Chloride
-trans-1,2-Dichloroethene
-1,1-Dichloroethane
cis-1,2-dichloroethene
Chloroform+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane
Toluene-d8
Toluene
-Tetrachloroethene
Chlorobenzene-d5+
-Ethylbenzene
-m + p-Xylene
-Xylene-o
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1201.D
Report Date: 03-Sep-2004 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1201.D
Lab Smp Id: GPGC22AA
Client Smp ID: MW-302/090104
Inj Date : 03-SEP-2004 05:08
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGC22AA,0.1ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.100	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1684247	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1190468	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	554604	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	324191	51.3189	513.19
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	464036	53.2771	532.77
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1303036	53.1187	531.19
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	451530	47.3802	473.80
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.762	1.750	(0.343)	5865614	774.056	7740.6(A) ℄
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.768	2.768	(0.539)	57128	9.49833	94.983
17 1,1-Dichloroethene	96	2.756	2.768	(0.537)	29446	4.45682	44.568
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1201.D
Report Date: 03-Sep-2004 18:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)	
	19 Iodomethane	142	Compound Not Detected.						
	20 Carbon Disulfide	76	Compound Not Detected.						
	21 Methylene Chloride	84	3.134	3.135	(0.611)	5668522	823.324	8233.2(A)	ε
	22 Acetonitrile	41	Compound Not Detected.						
	23 Acrylonitrile	53	Compound Not Detected.						
	24 Methyl tert-butyl ether	73	Compound Not Detected.						
	25 trans-1,2-Dichloroethene	96	3.371	3.372	(0.657)	106064	14.3941	143.94	
	26 Hexane	86	Compound Not Detected.						
	27 Vinyl acetate	43	Compound Not Detected.						
	28 1,1-Dichloroethane	63	3.702	3.703	(0.721)	1146346	89.3758	893.76	
	29 tert-Butyl Alcohol	59	Compound Not Detected.						
	30 2-Butanone	43	Compound Not Detected.						
M	31 1,2-Dichloroethene (total)	96				15567888	1959.58	19596	
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	15461824	1945.18	19452(A)	ε
	33 2,2-Dichloropropane	77	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Chloroform	83	4.424	4.436	(0.862)	20936008	1595.22	15952(A)	ε
	36 Tetrahydrofuran	42	4.424	4.425	(0.862)	4629579	1137.55	11376(A)	ε
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	269831	26.6915	266.92	
	38 1,1-Dichloropropene	75	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 1,2-Dichloroethane	62	4.909	4.910	(0.956)	17968902	1638.65	16386(A)	ε
	41 Benzene	78	4.909	4.910	(0.956)	6378530	200.645	2006.4(A)	
	42 Trichloroethene	130	5.454	5.454	(1.062)	2881028	345.928	3459.3(A)	ε
	43 1,2-Dichloropropane	63	Compound Not Detected.						
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	231314	2586.08	25861(A)	
	45 Dibromomethane	93	Compound Not Detected.						
	46 Bromodichloromethane	83	Compound Not Detected.						
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.						
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	49 4-Methyl-2-pentanone	43	Compound Not Detected.						
	50 Toluene	91	6.554	6.555	(0.839)	4107470	136.955	1369.6	
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	52 Ethyl Methacrylate	69	Compound Not Detected.						
	53 1,1,2-Trichloroethane	97	Compound Not Detected.						
	54 1,3-Dichloropropane	76	Compound Not Detected.						
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	165824	28.7297	287.30	
	56 2-Hexanone	43	Compound Not Detected.						
	57 Dibromochloromethane	129	Compound Not Detected.						
	58 1,2-Dibromoethane	107	Compound Not Detected.						
	59 Chlorobenzene	112	7.832	7.832	(1.003)	551618	28.4441	284.44	
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	61 Ethylbenzene	106	7.927	7.927	(1.015)	37108	3.59866	35.986	
	62 m + p-Xylene	106	8.033	8.034	(1.029)	93730	7.06939	70.694	
M	63 Xylenes (total)	106				230059	17.3168	173.17	
	64 Xylene-o	106	8.412	8.412	(1.077)	136329	10.2475	102.47	
	65 Styrene	104	Compound Not Detected.						

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1201.D
Report Date: 03-Sep-2004 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)	
66 Bromoform	173	Compound Not Detected.						
67 Isopropylbenzene	105	Compound Not Detected.						
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	65590	9.11627	91.163	
69 1,4-Dichloro-2-butene	53	Compound Not Detected.						
70 1,2,3-Trichloropropane	110	Compound Not Detected.						
71 Bromobenzene	156	Compound Not Detected.						
72 n-Propylbenzene	120	Compound Not Detected.						
73 2-Chlorotoluene	126	Compound Not Detected.						
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
75 4-Chlorotoluene	126	Compound Not Detected.						
76 tert-Butylbenzene	119	Compound Not Detected.						
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
78 sec-Butylbenzene	105	Compound Not Detected.						
79 4-Isopropyltoluene	119	Compound Not Detected.						
80 1,3-Dichlorobenzene	146	Compound Not Detected.						
81 1,4-Dichlorobenzene	146	Compound Not Detected.						
82 n-Butylbenzene	91	Compound Not Detected.						
83 1,2-Dichlorobenzene	146	10.435	10.436	(1.039)	12283	0.92496	9.250	
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.						
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
86 Hexachlorobutadiene	225	Compound Not Detected.						
87 Naphthalene	128	Compound Not Detected.						
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.						
14 Dichlorofluoromethane	67	Compound Not Detected.						
89 Ethyl Ether	59	2.543	2.544	(0.495)	7873341	906.010	9060.1(A)	ξ
91 3-Chloropropene	76	Compound Not Detected.						
92 Isopropyl Ether	87	Compound Not Detected.						
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.						
94 Propionitrile	54	Compound Not Detected.						
95 Ethyl Acetate	43	Compound Not Detected.						
96 Methacrylonitrile	41	Compound Not Detected.						
97 Isobutanol	41	Compound Not Detected.						
99 n-Butanol	56	Compound Not Detected.						
100 Methyl Methacrylate	41	Compound Not Detected.						
101 2-Nitropropane	41	Compound Not Detected.						
103 Cyclohexanone	55	Compound Not Detected.						
98 Cyclohexane	56	4.673	4.673	(0.910)	20768	1.79709	17.971	
143 Methyl Acetate	43	Compound Not Detected.						
144 Methylcyclohexane	83	Compound Not Detected.						
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.						
146 2-Methylnaphthalene	142	Compound Not Detected.						

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1201.D

Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

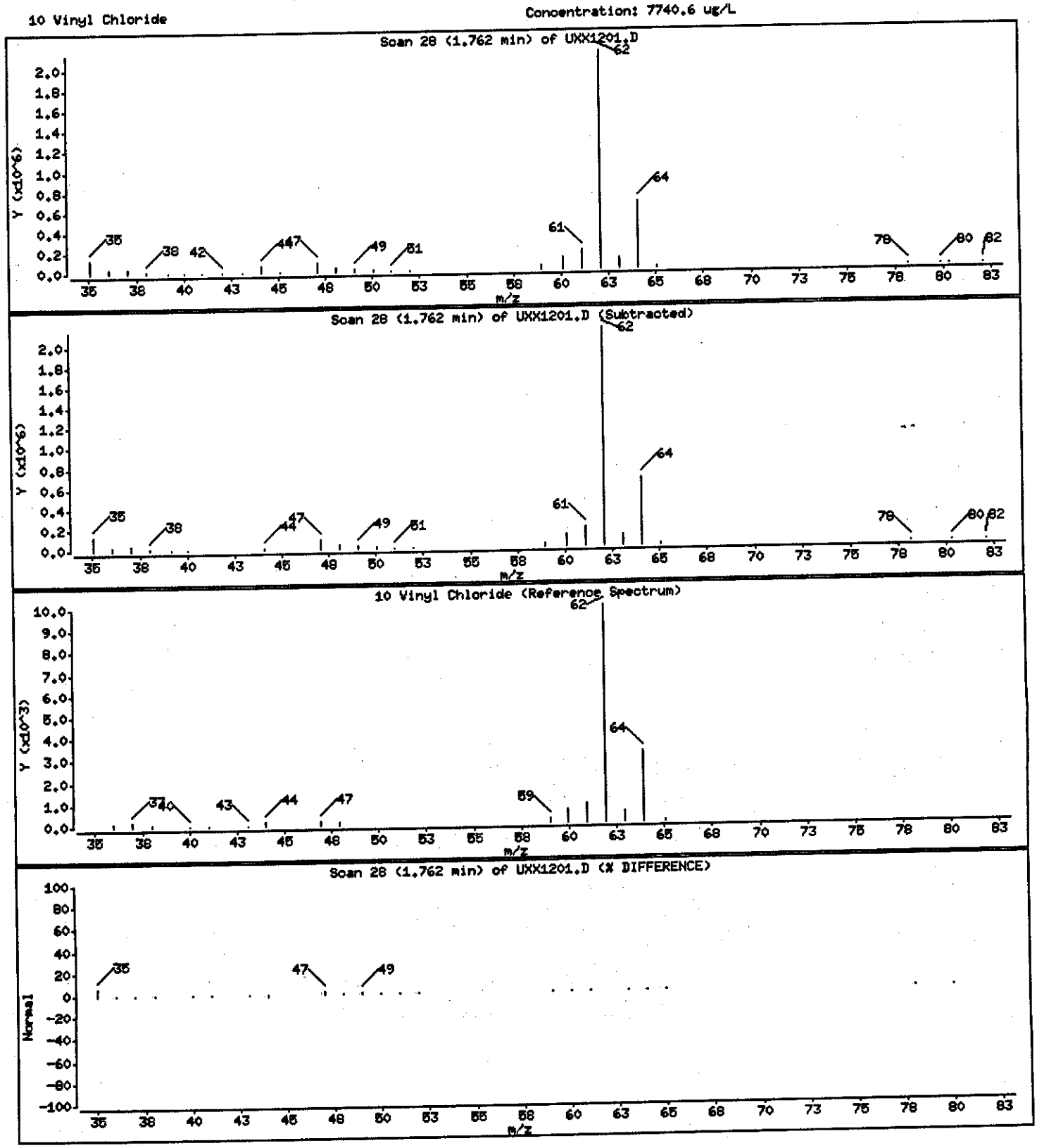
Operator: 1904

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 7740.6 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: CPCC22AA,0.1ML/5ML

Operator: 1904

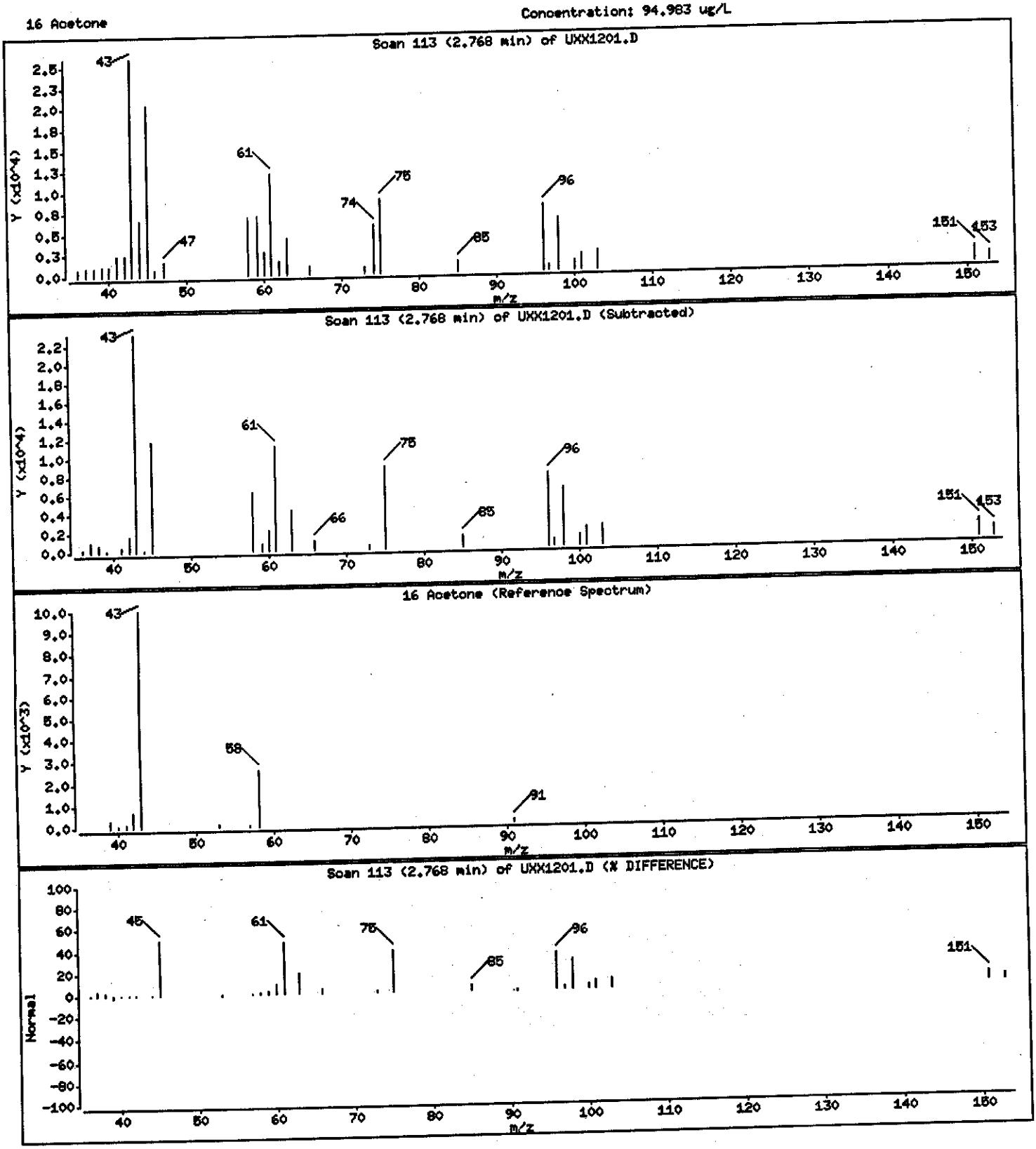
Purge Volume: 0.1

Column phase: DB624

Column diameter: 0.18

Concentration: 94.983 ug/L

16 Acetone



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

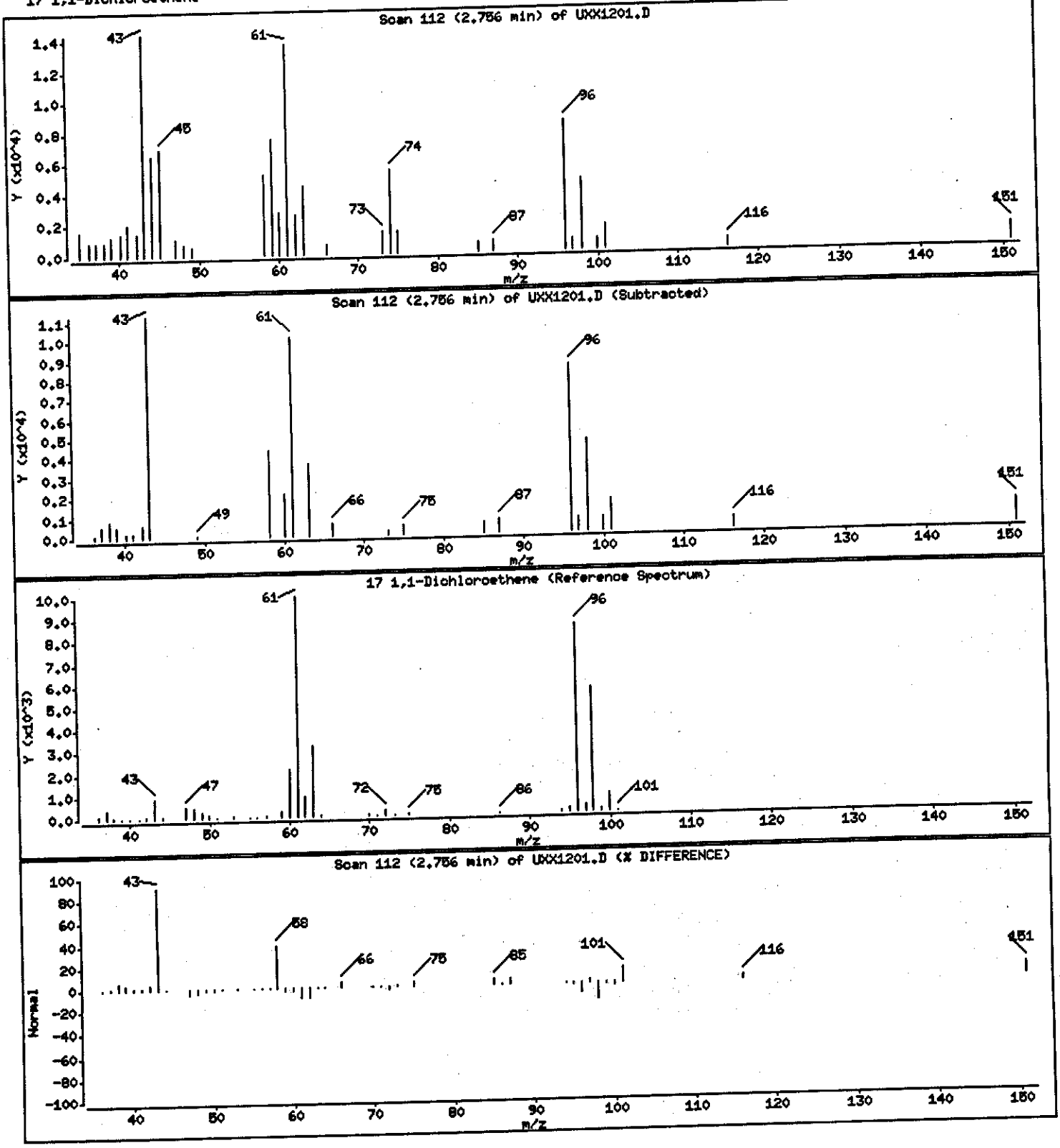
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 44.568 ug/L

17 1,1-Dichloroethene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

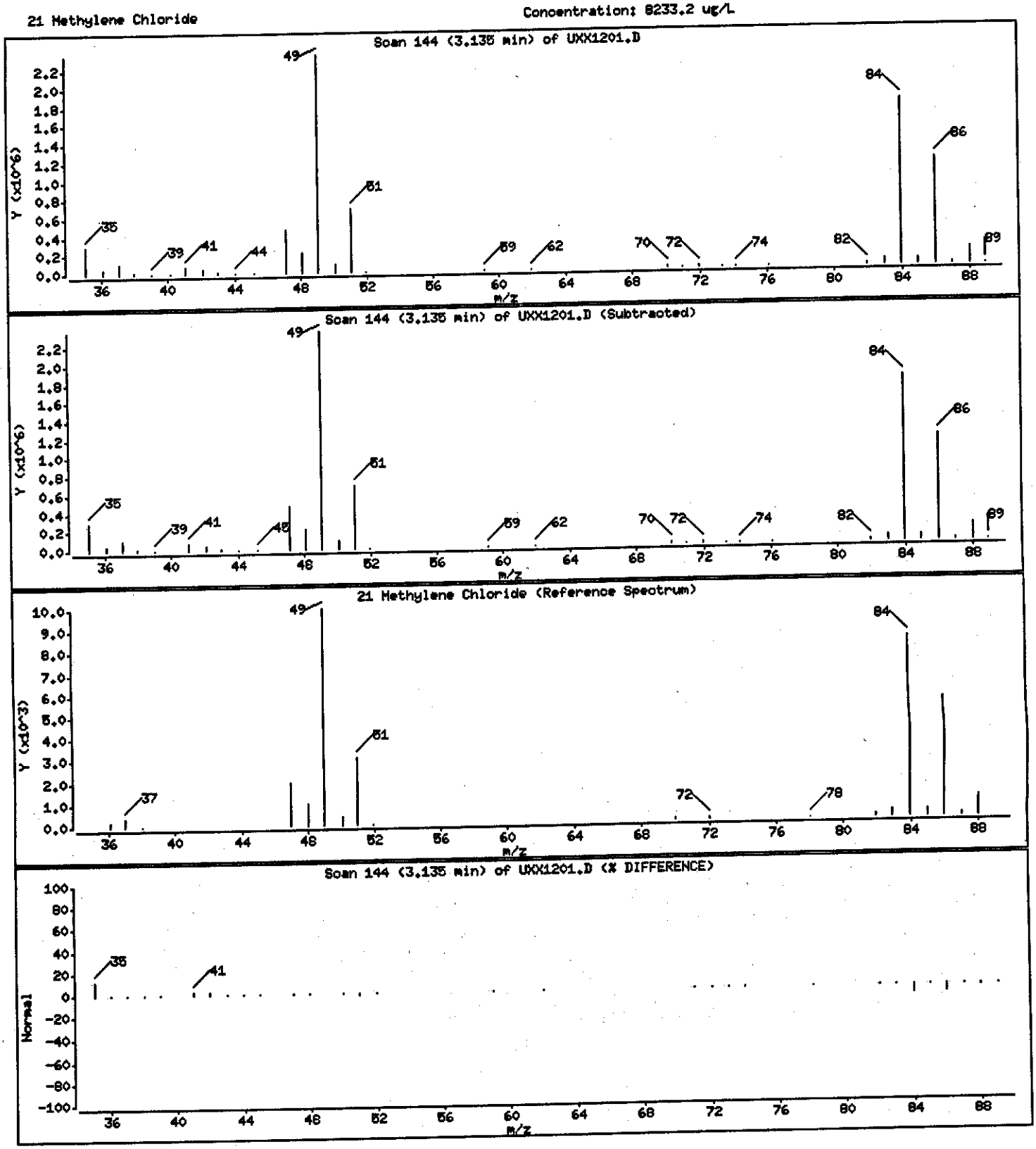
Operator: 1904

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 8233.2 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

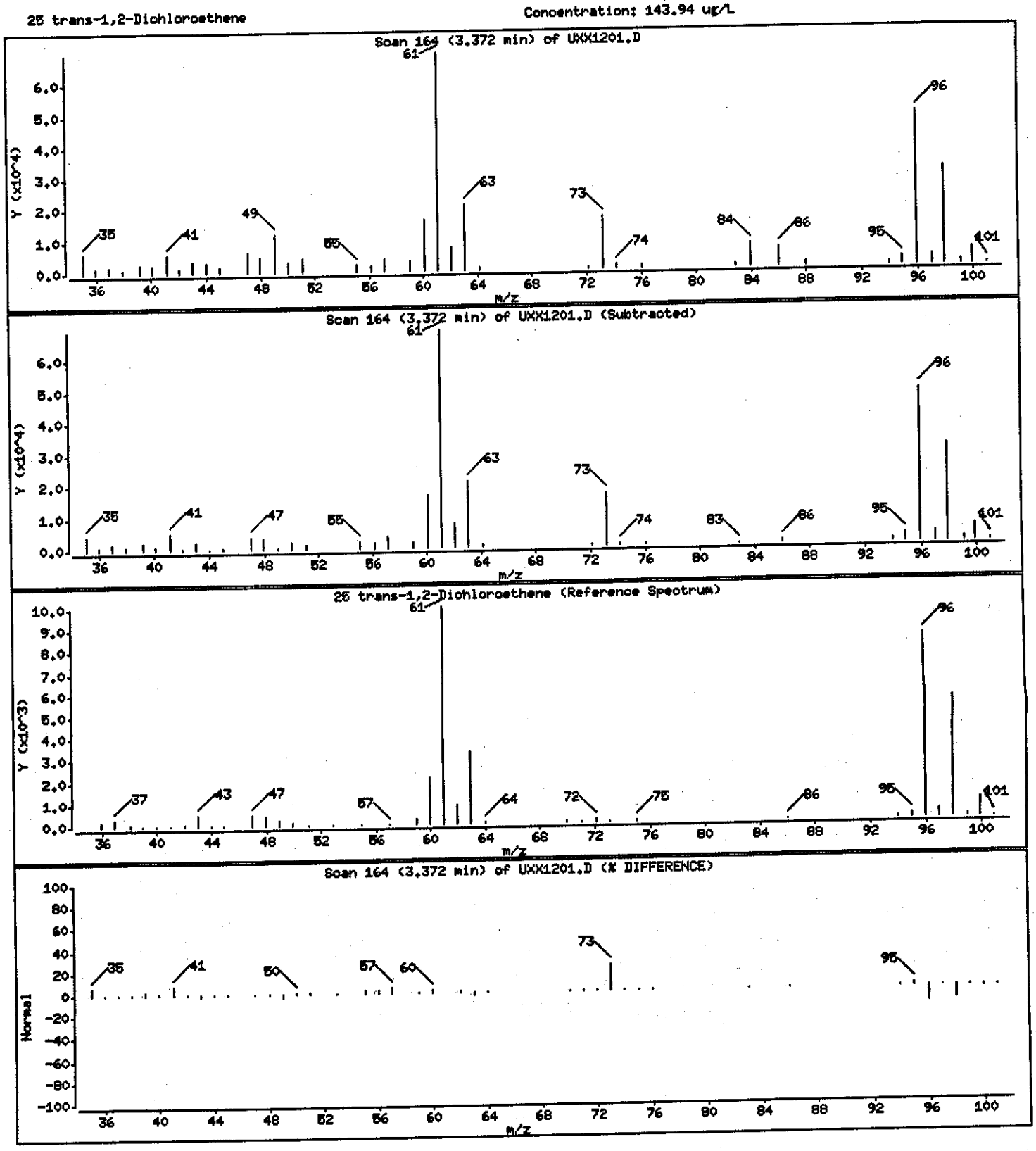
Operator: 1904

Column phase: DB624

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 143.94 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

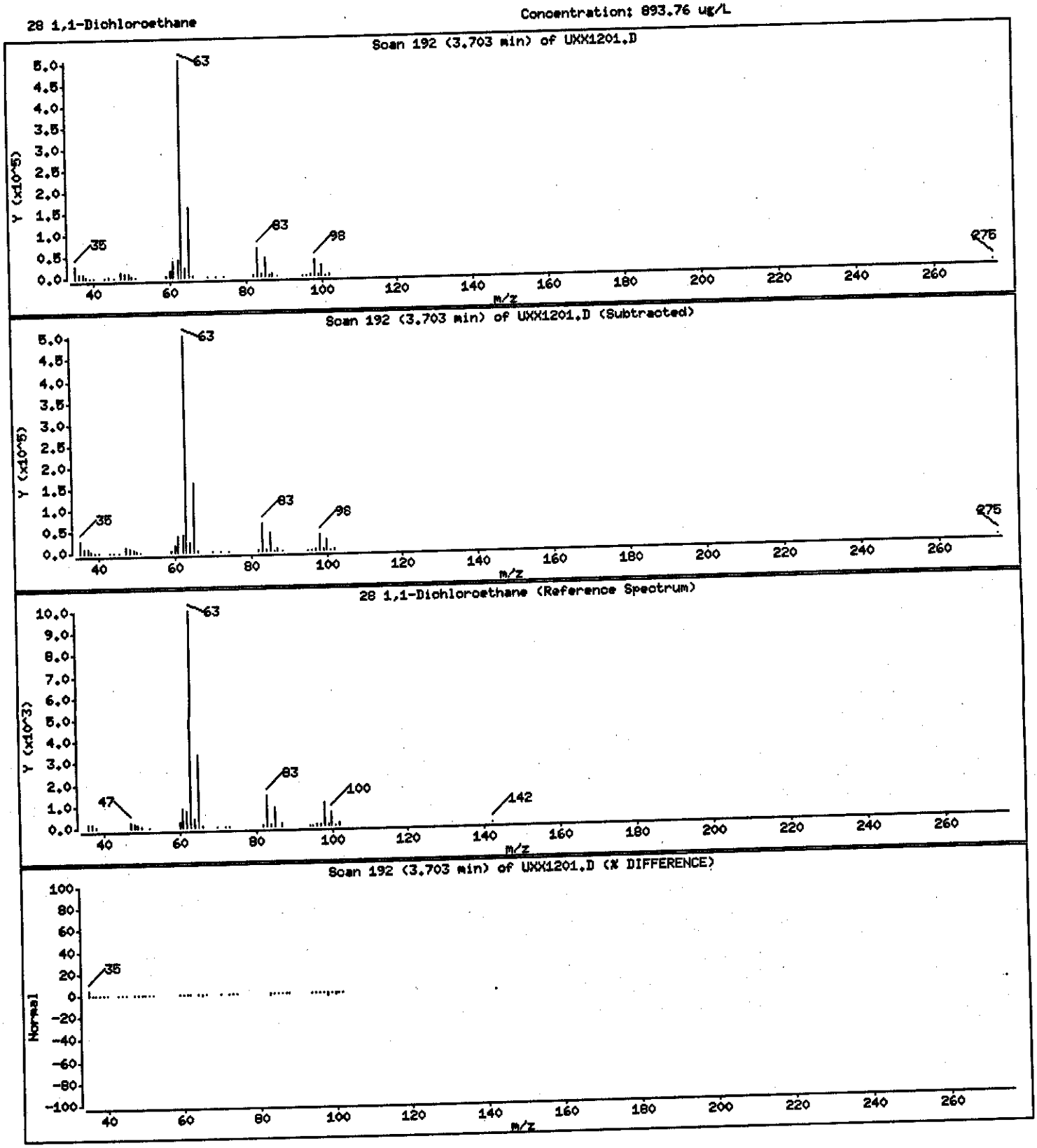
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 893.76 ug/L

28 1,1-Dichloroethane



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

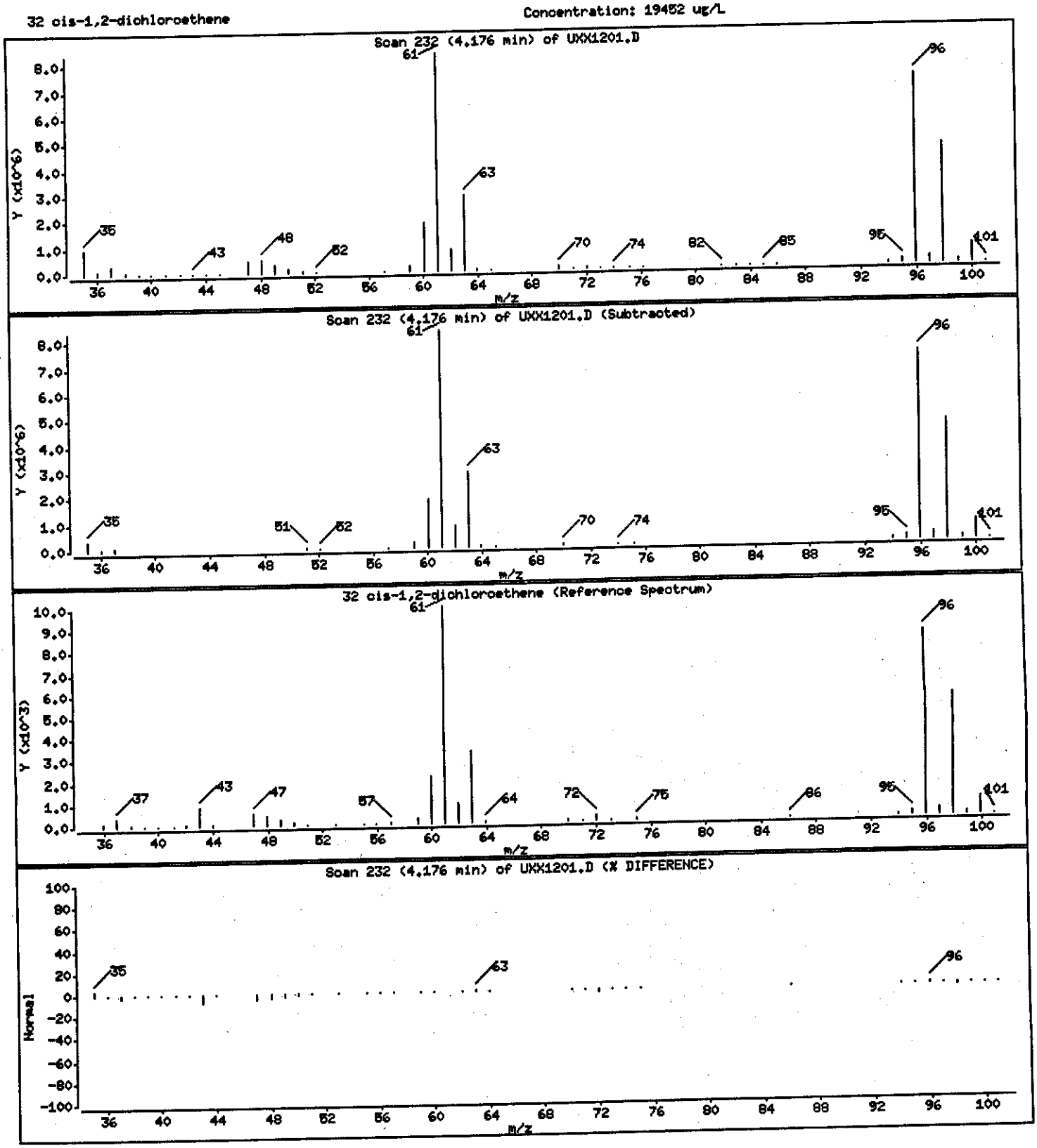
Operator: 1904

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 19452 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

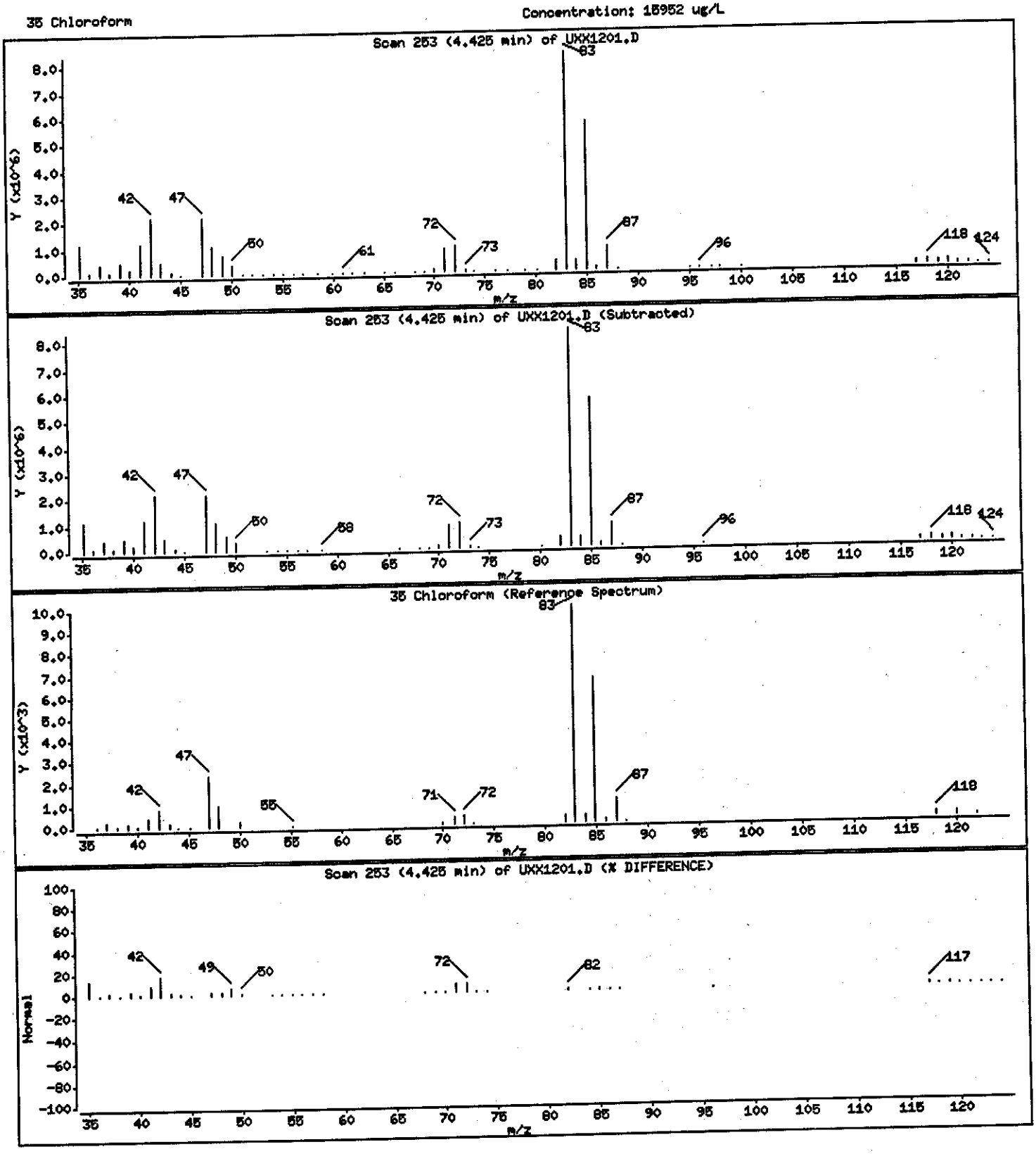
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 15952 ug/L

35 Chloroform



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

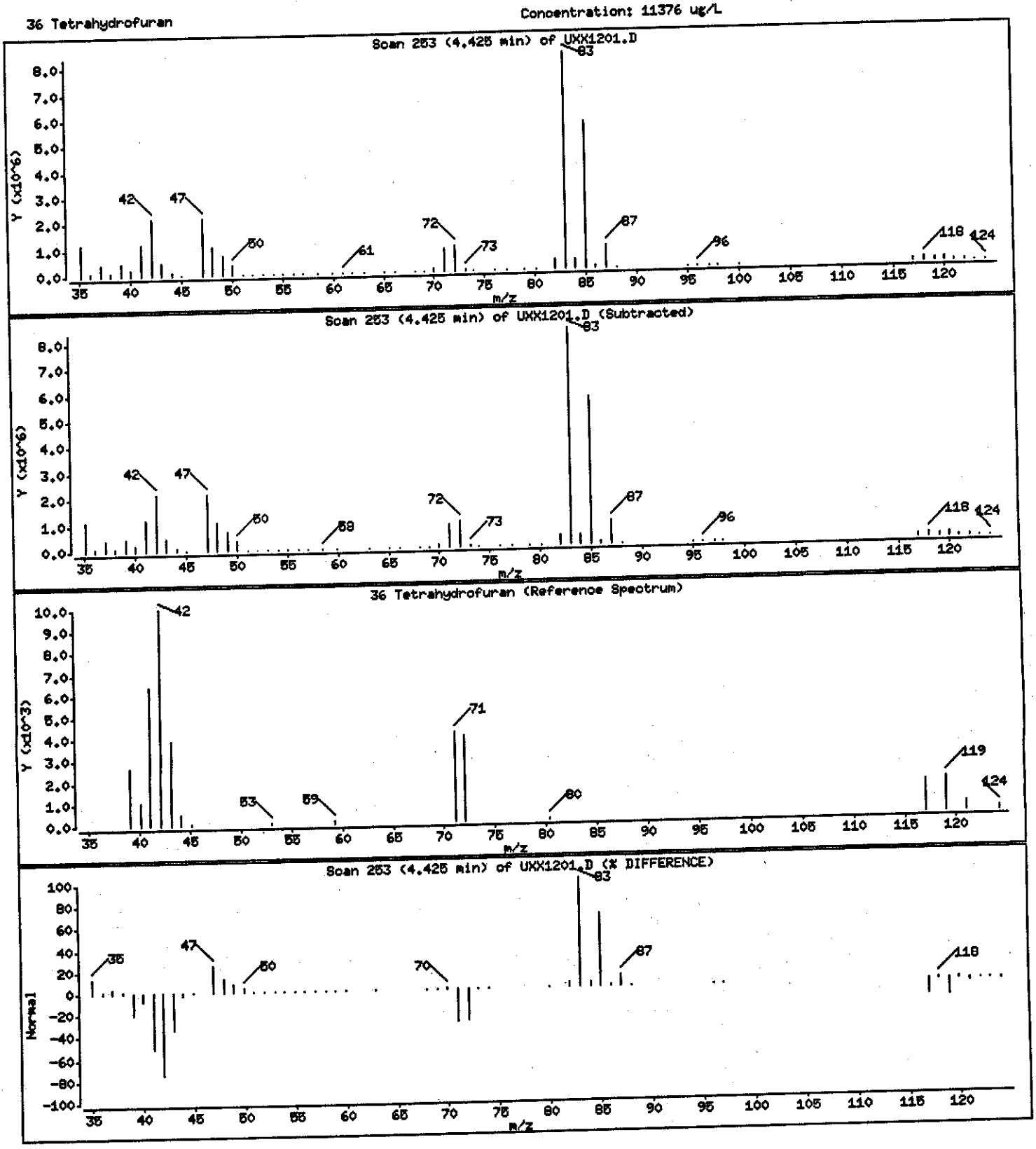
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 11376 ug/L

36 Tetrahydrofuran



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: CPCC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

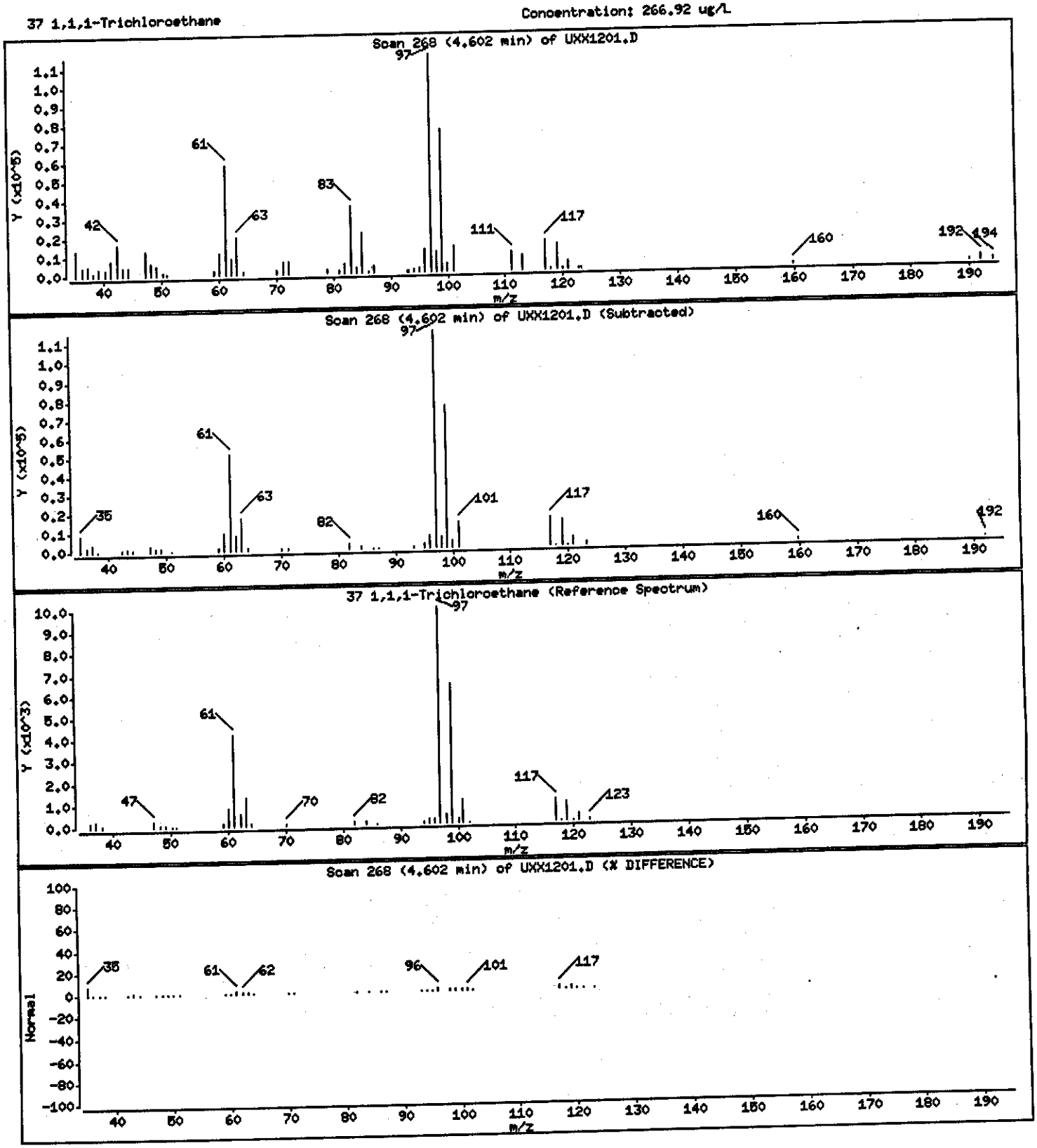
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 266.92 ug/L

37 1,1,1-Trichloroethane



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

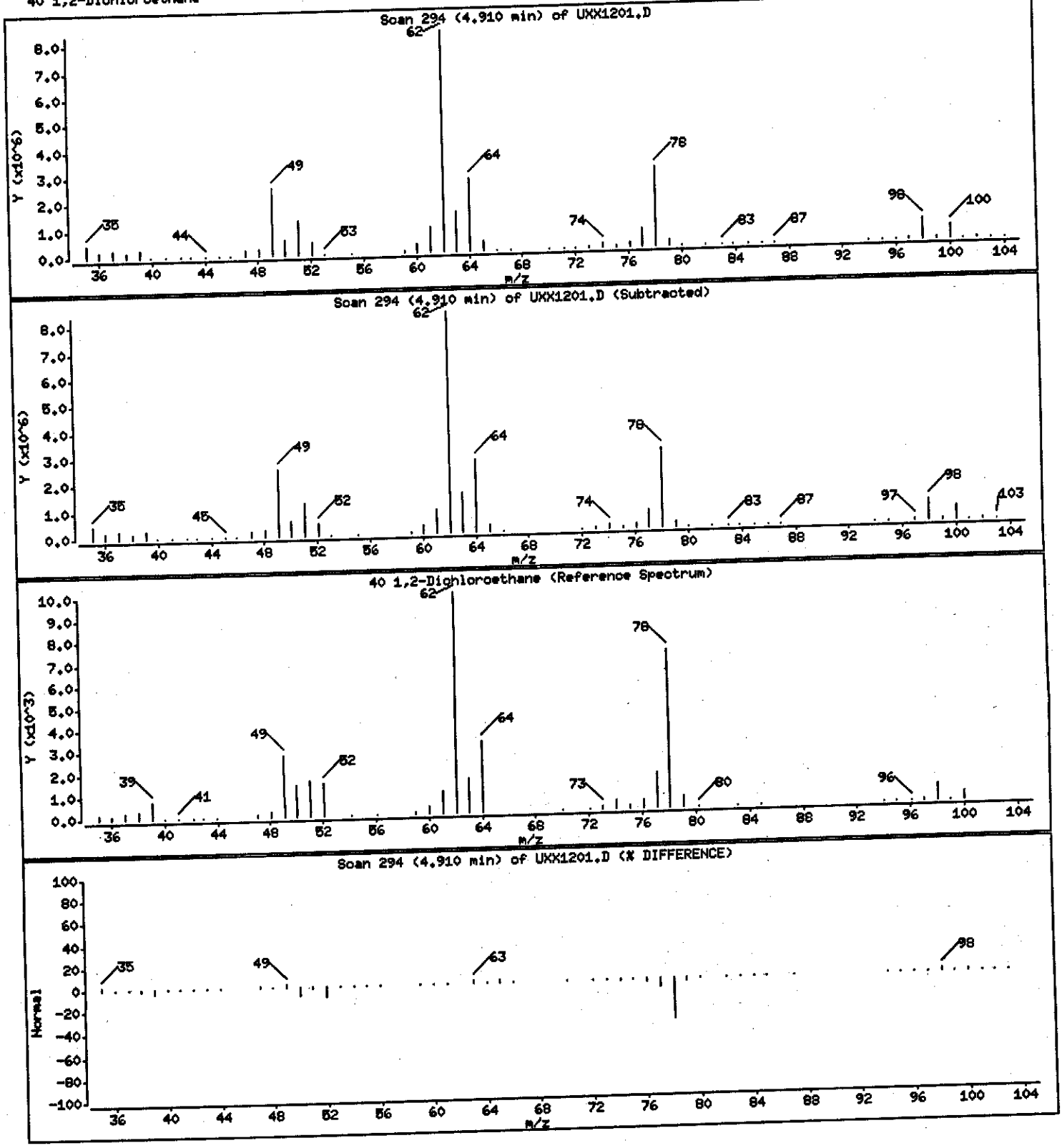
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 16386 ug/L

40 1,2-Dichloroethane



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

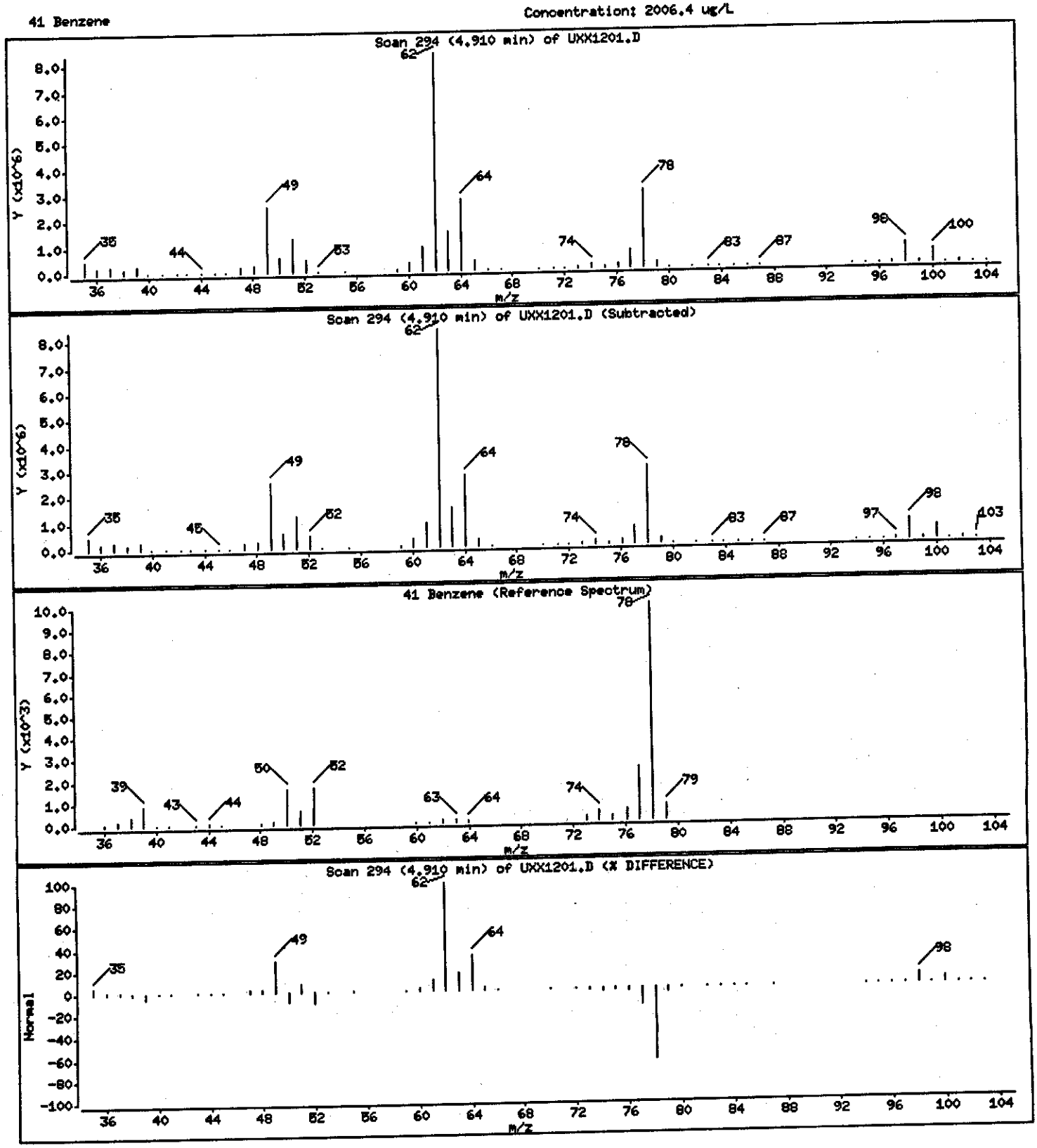
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 2006.4 ug/L

41 Benzene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

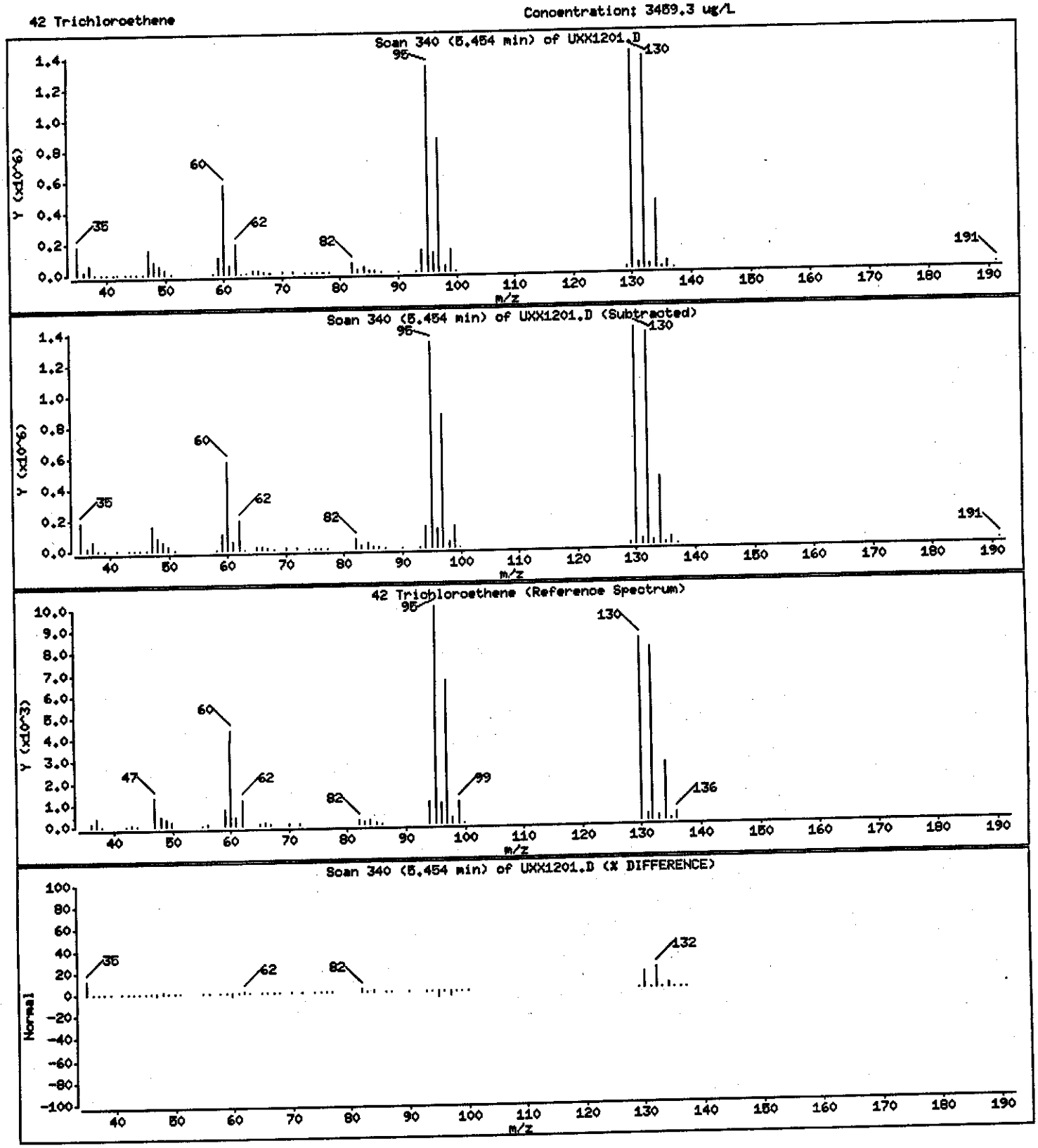
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 3459.3 ug/L

42 Trichloroethene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

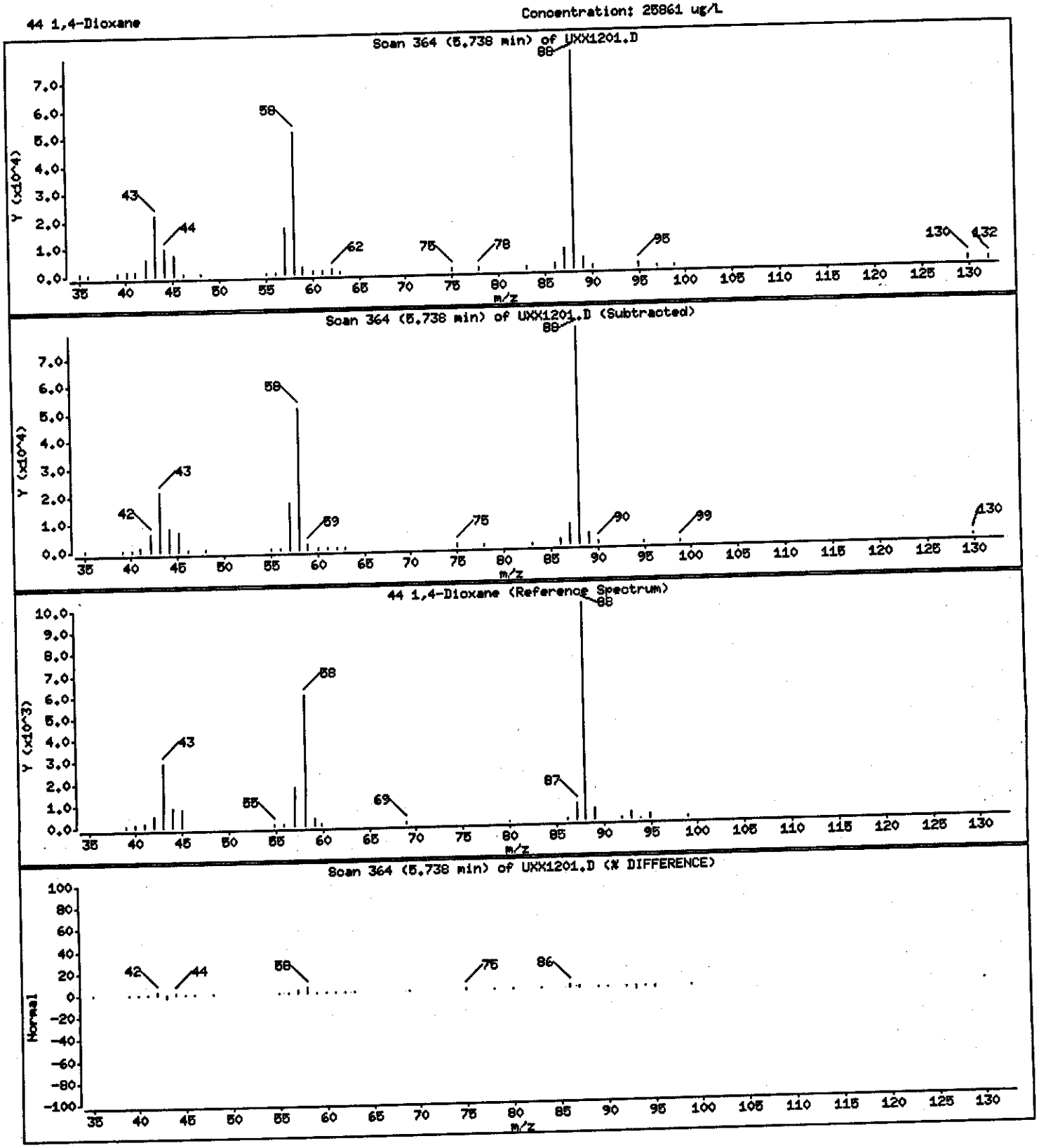
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 25861 ug/L

44 1,4-Dioxane



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

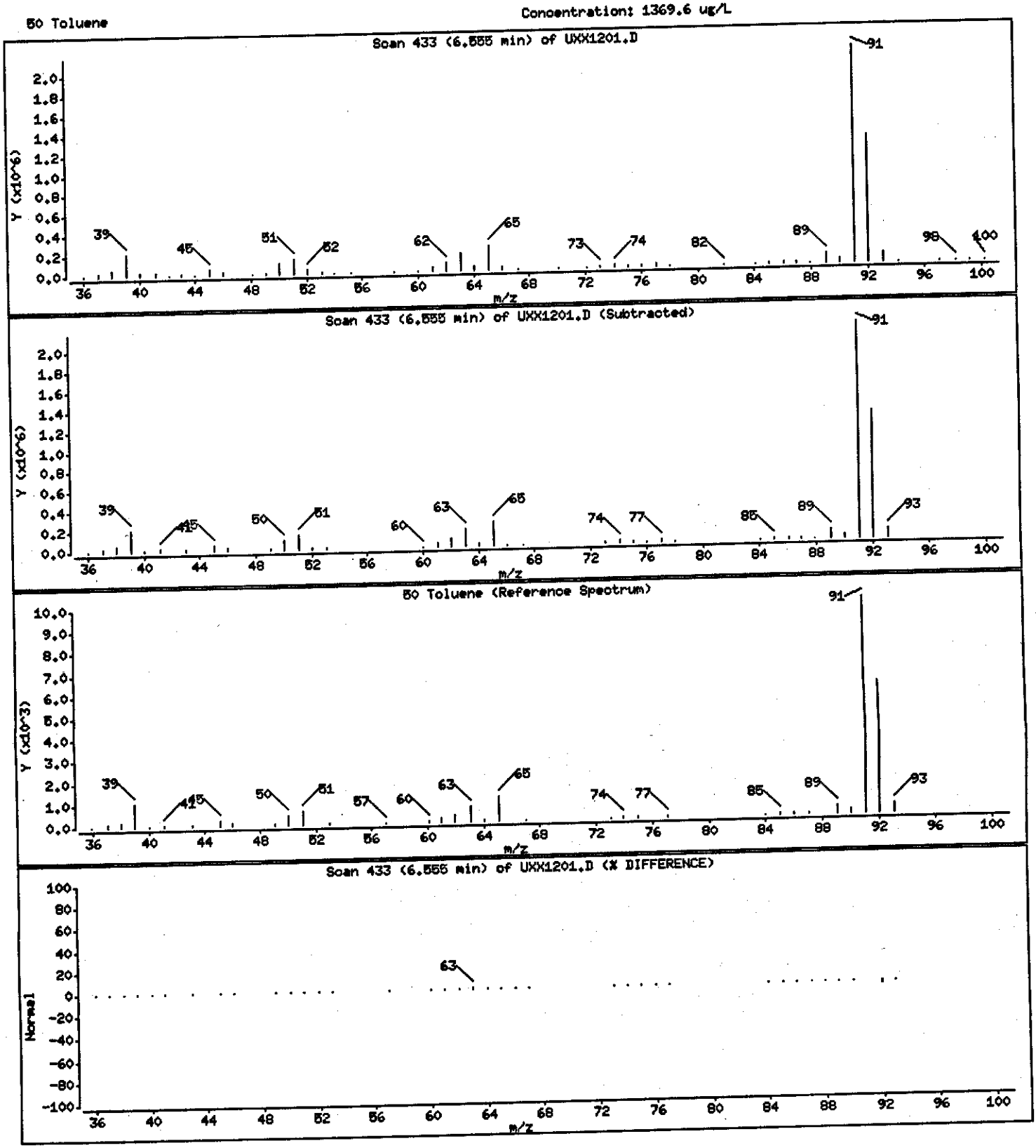
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 1369.6 ug/L

50 Toluene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

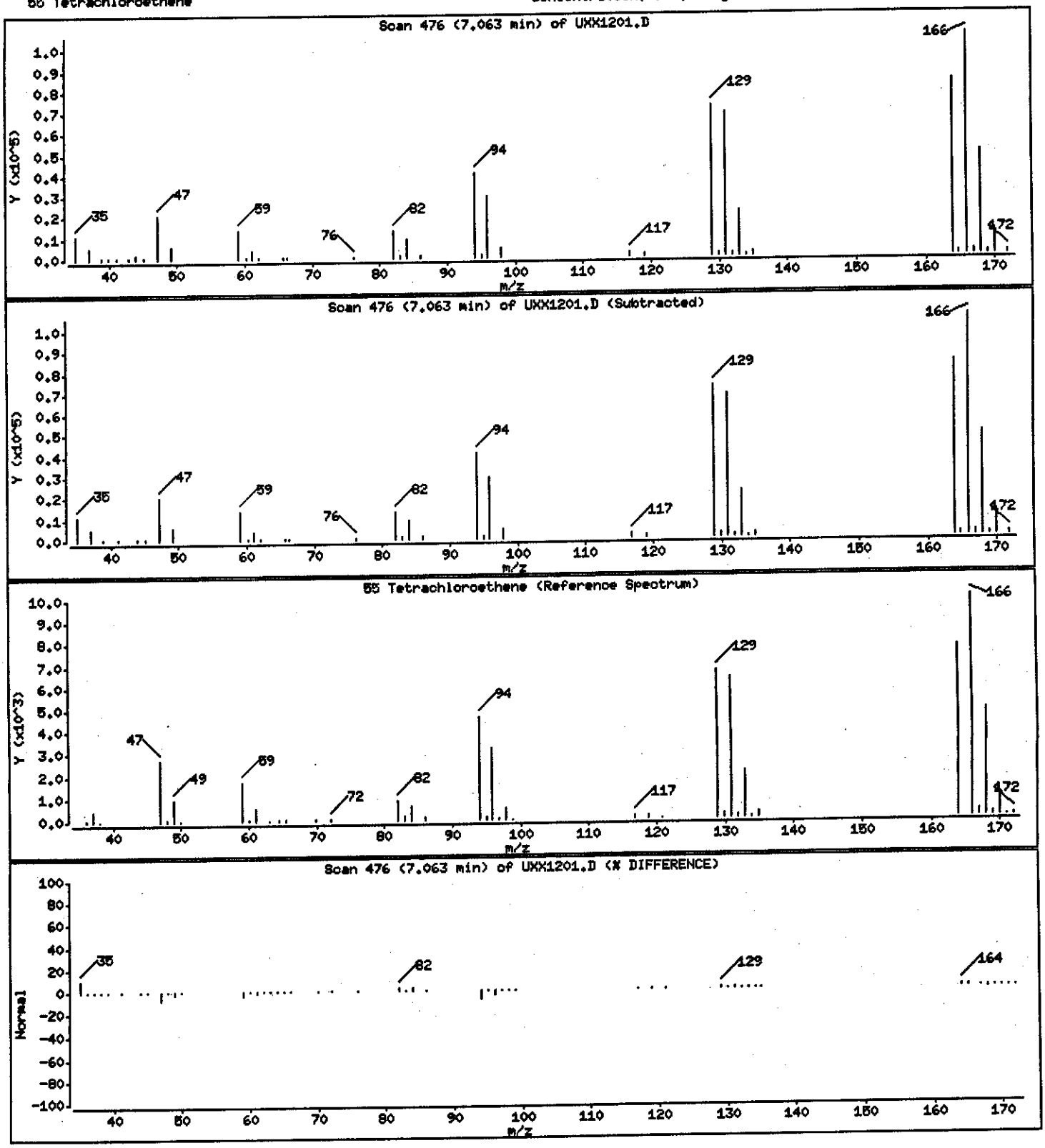
Operator: 1904

Column phase: DB624

Column diameter: 0.18

55 Tetrachloroethene

Concentration: 287.30 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

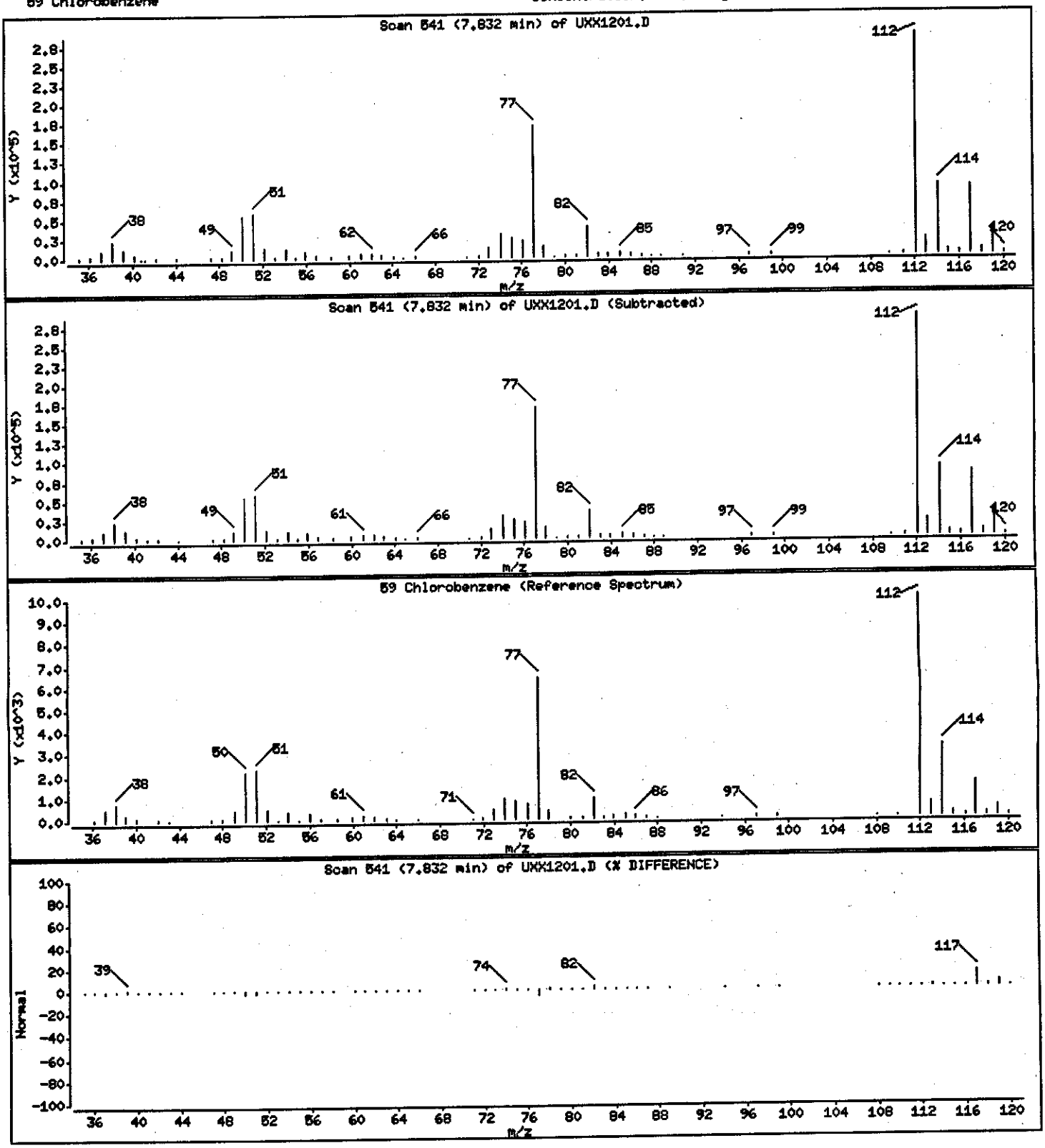
Operator: 1904

Column phase: DB624

Column diameter: 0.18

59 Chlorobenzene

Concentration: 284.44 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

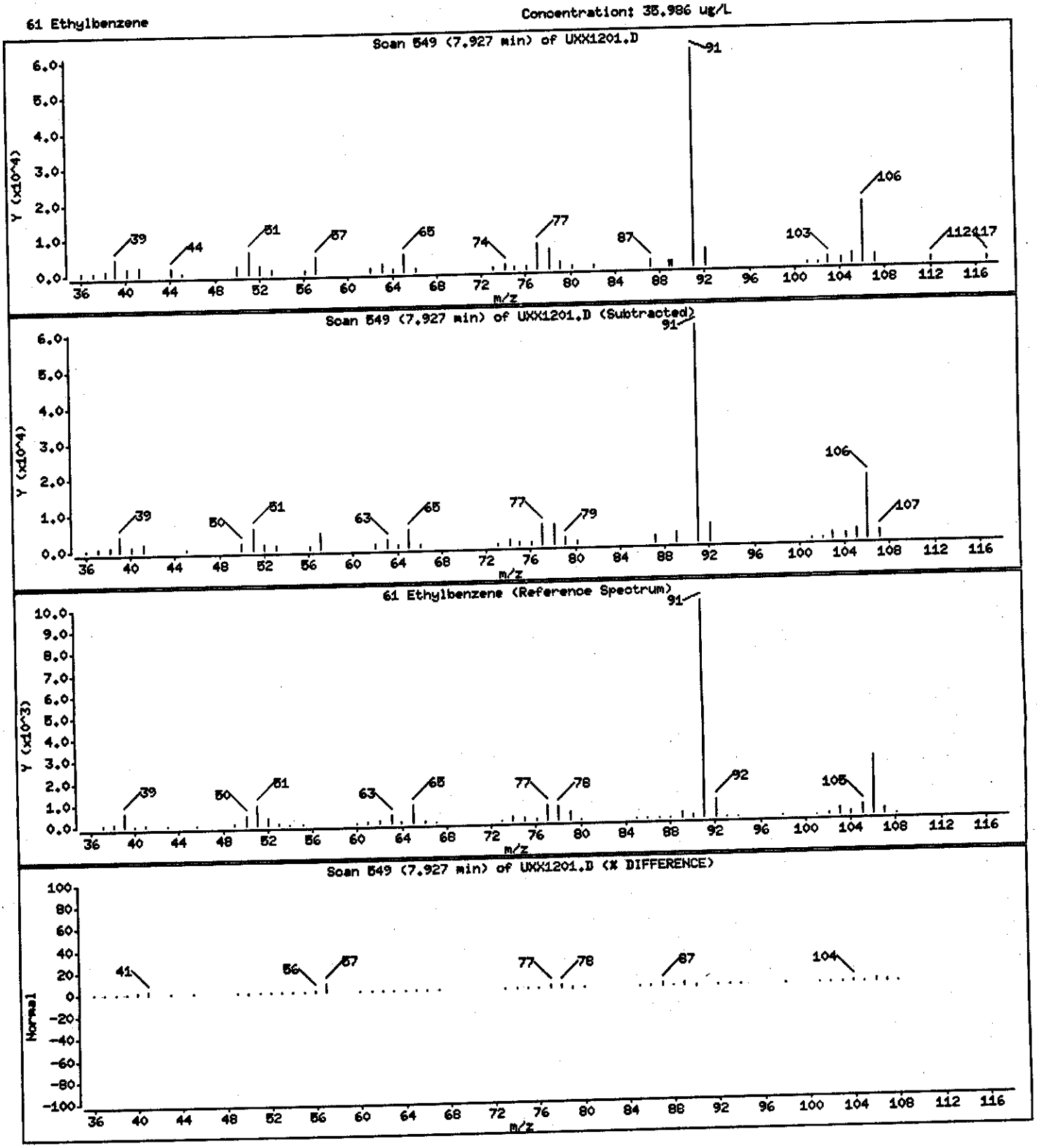
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 35.986 ug/L

61 Ethylbenzene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

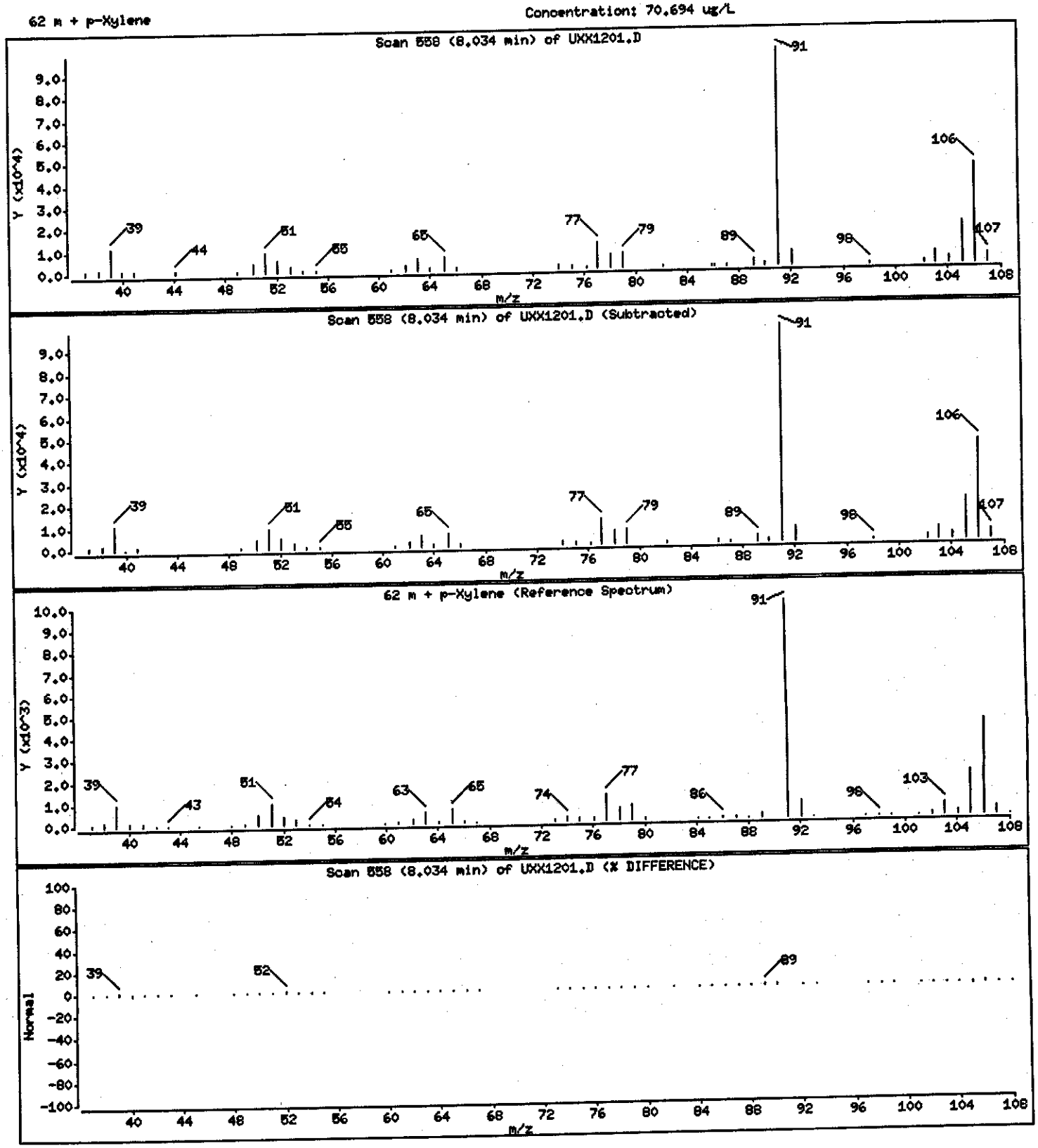
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 70.694 ug/L

62 m + p-Xylene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

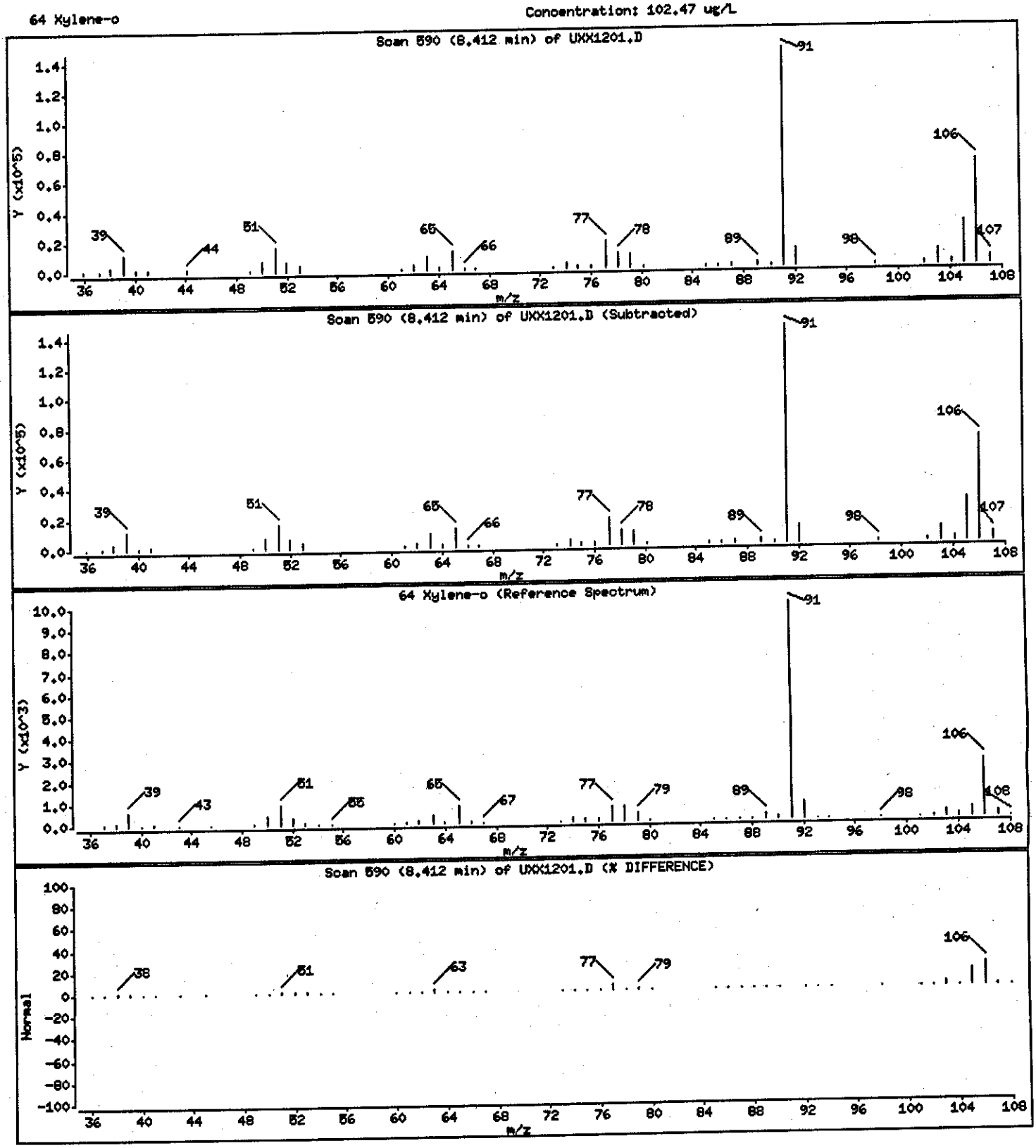
Operator: 1904

Column phase: DB624

Column diameter: 0.18

64 Xylene-o

Concentration: 102.47 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

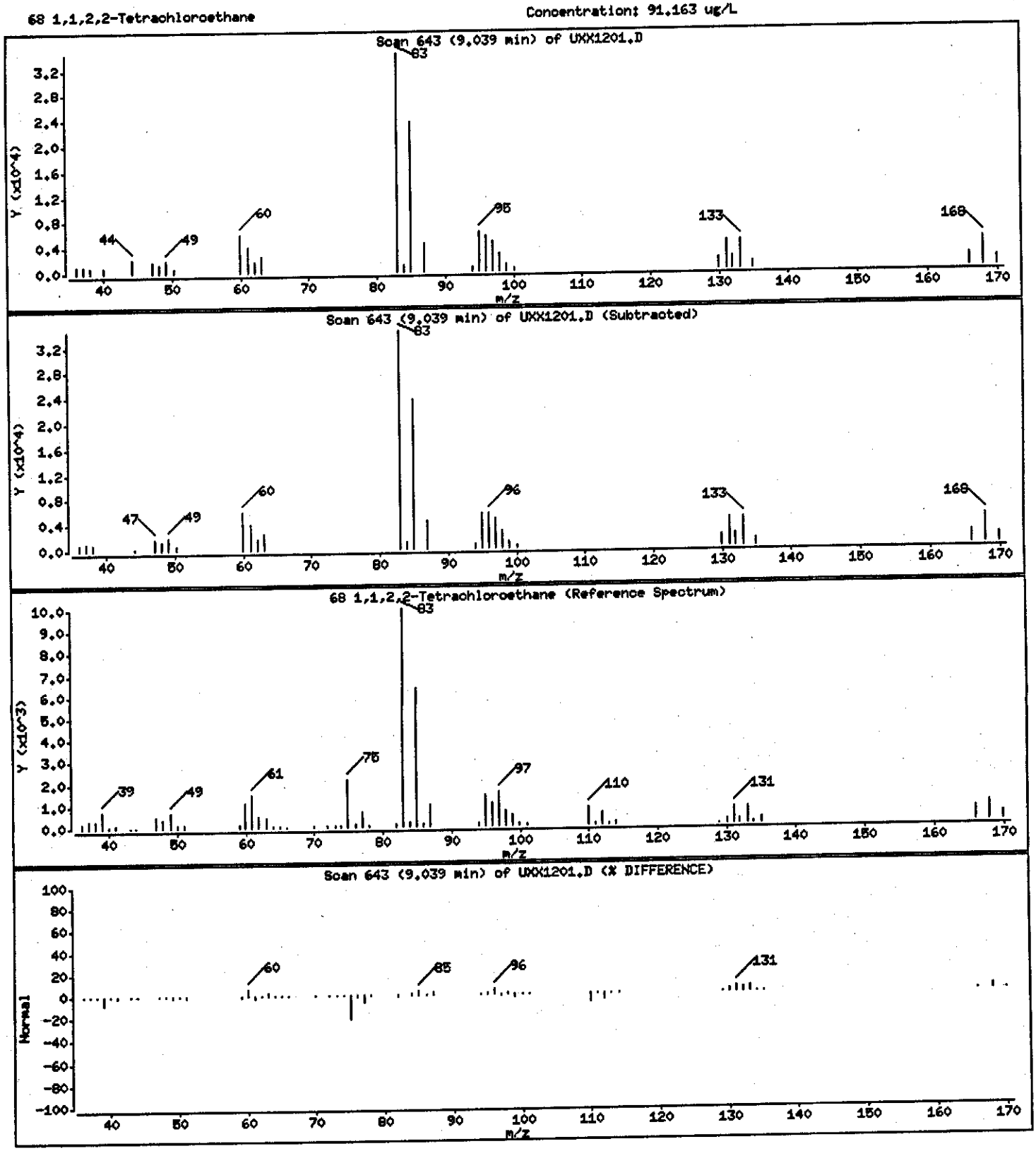
Operator: 1904

Column phase: DB624

Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane

Concentration: 91.163 ug/L



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

Column phase: DB624

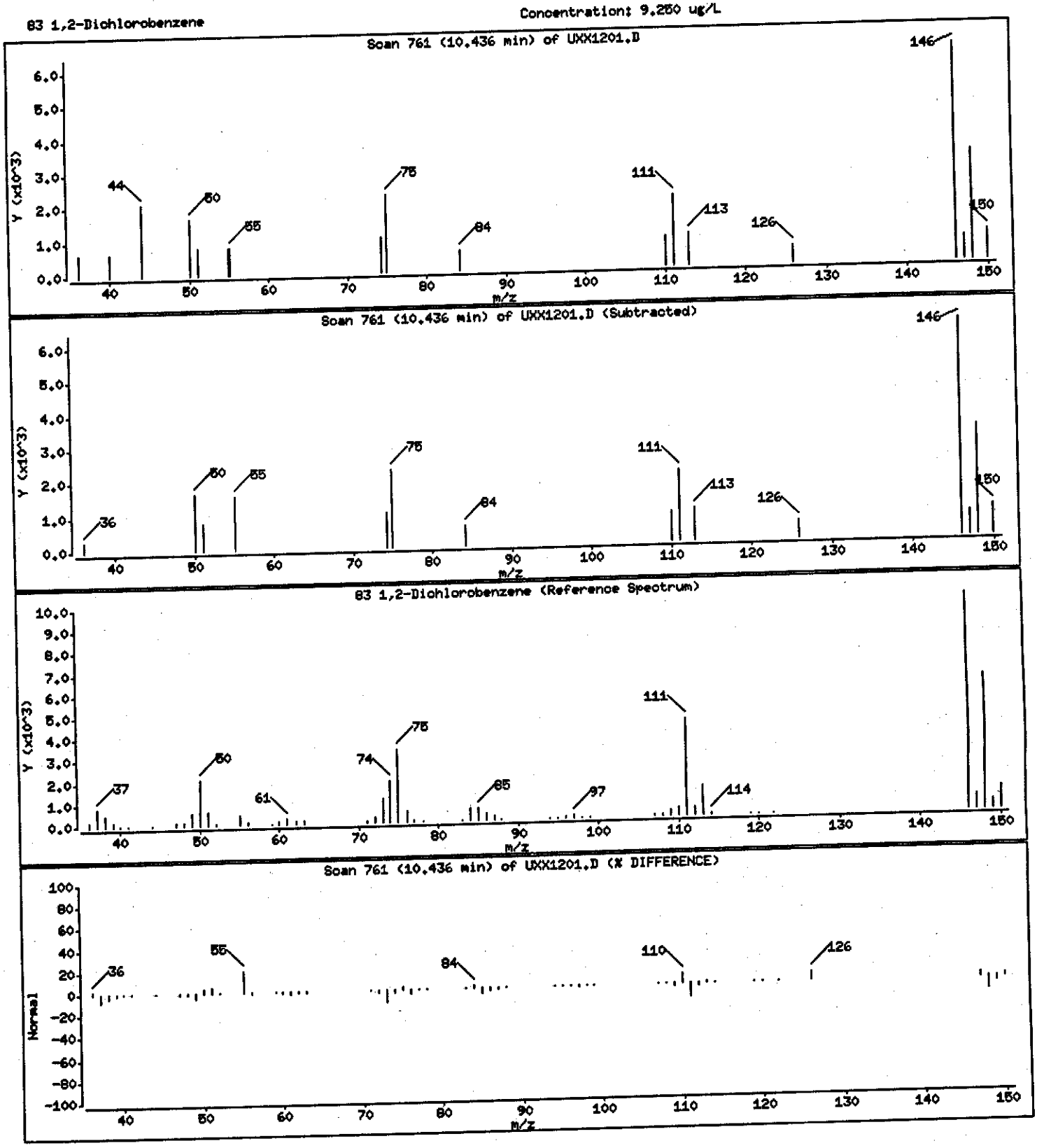
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 9.250 ug/L

83 1,2-Dichlorobenzene



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPCC22AA,0.1ML/5ML

Purge Volume: 0.1

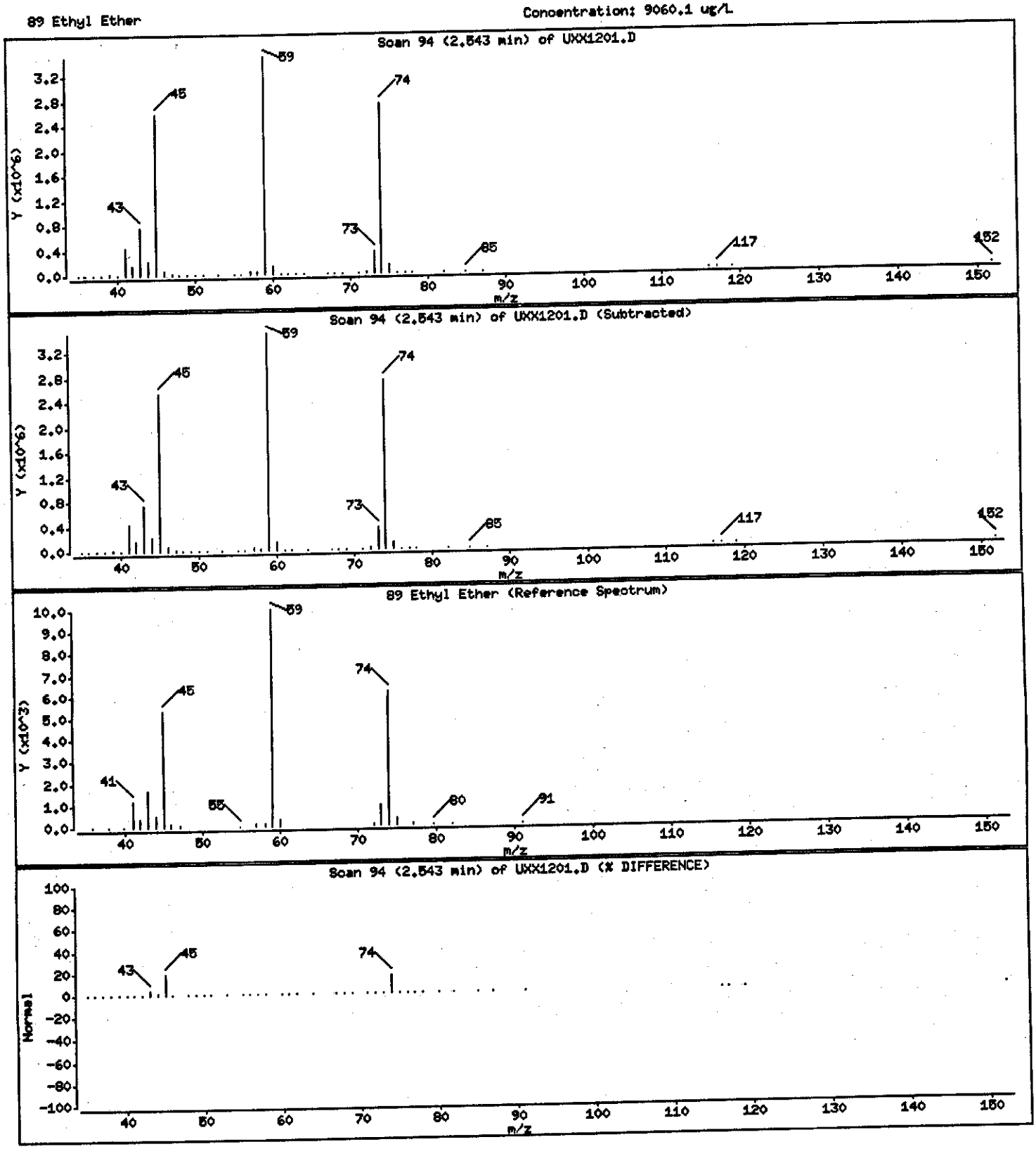
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 9060.1 ug/L

89 Ethyl Ether



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Date : 03-SEP-2004 05:08

Client ID: MW-302/090104

Instrument: a3ux10.i

Sample Info: GPGC22AA,0.1ML/5ML

Purge Volume: 0.1

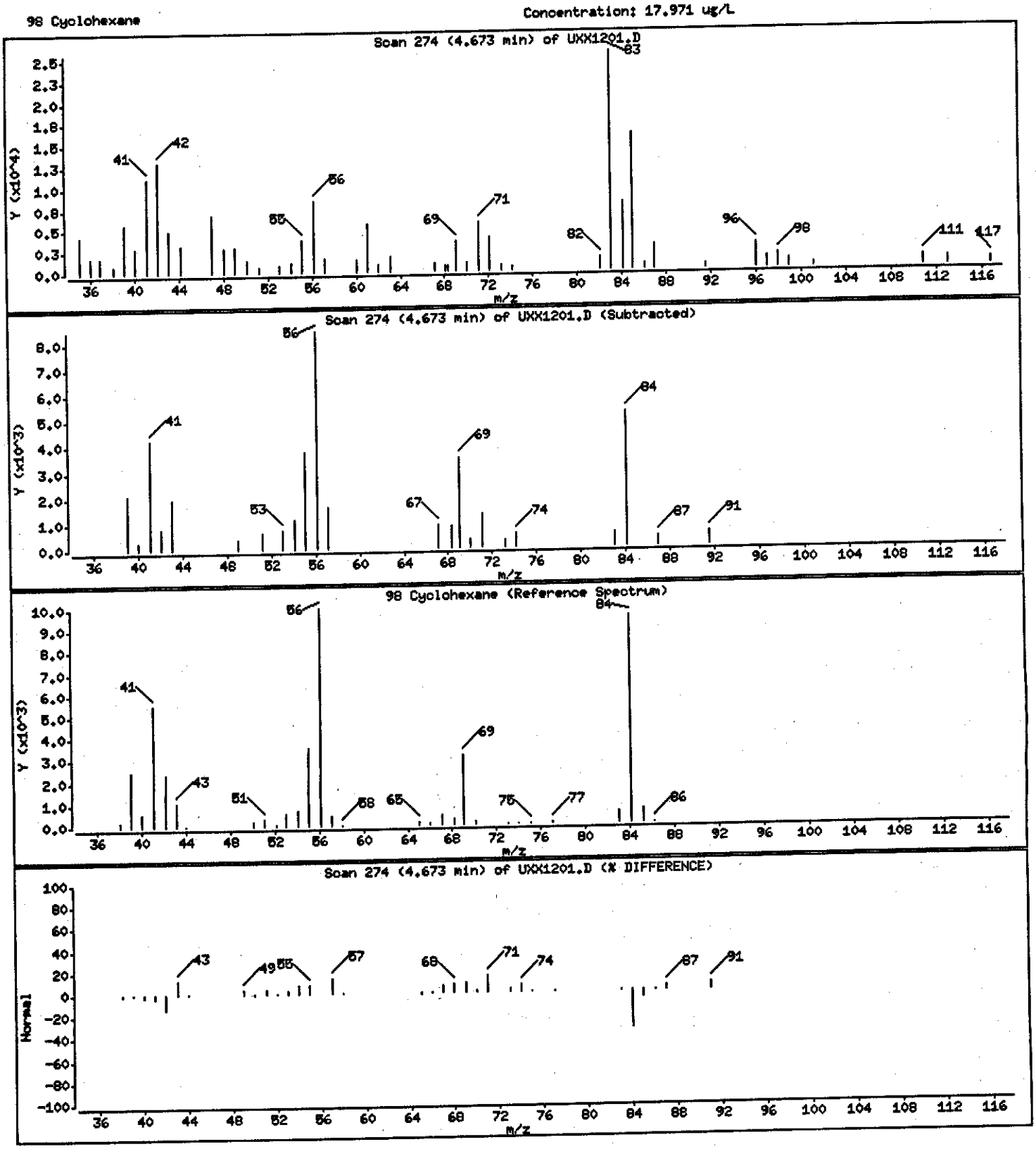
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 17.971 ug/L

98 Cyclohexane



PAYNE FIRM INC.

Client Sample ID: MW-6/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-002 **Work Order #...:** GPGDJ1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 11:25 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**3.2**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	**1.1**	**1.0**	**ug/L**
1,2-Dichloroethane	**0.22 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**6.0**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**0.26 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**6.3**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-6/090104

GC/MS Volatiles

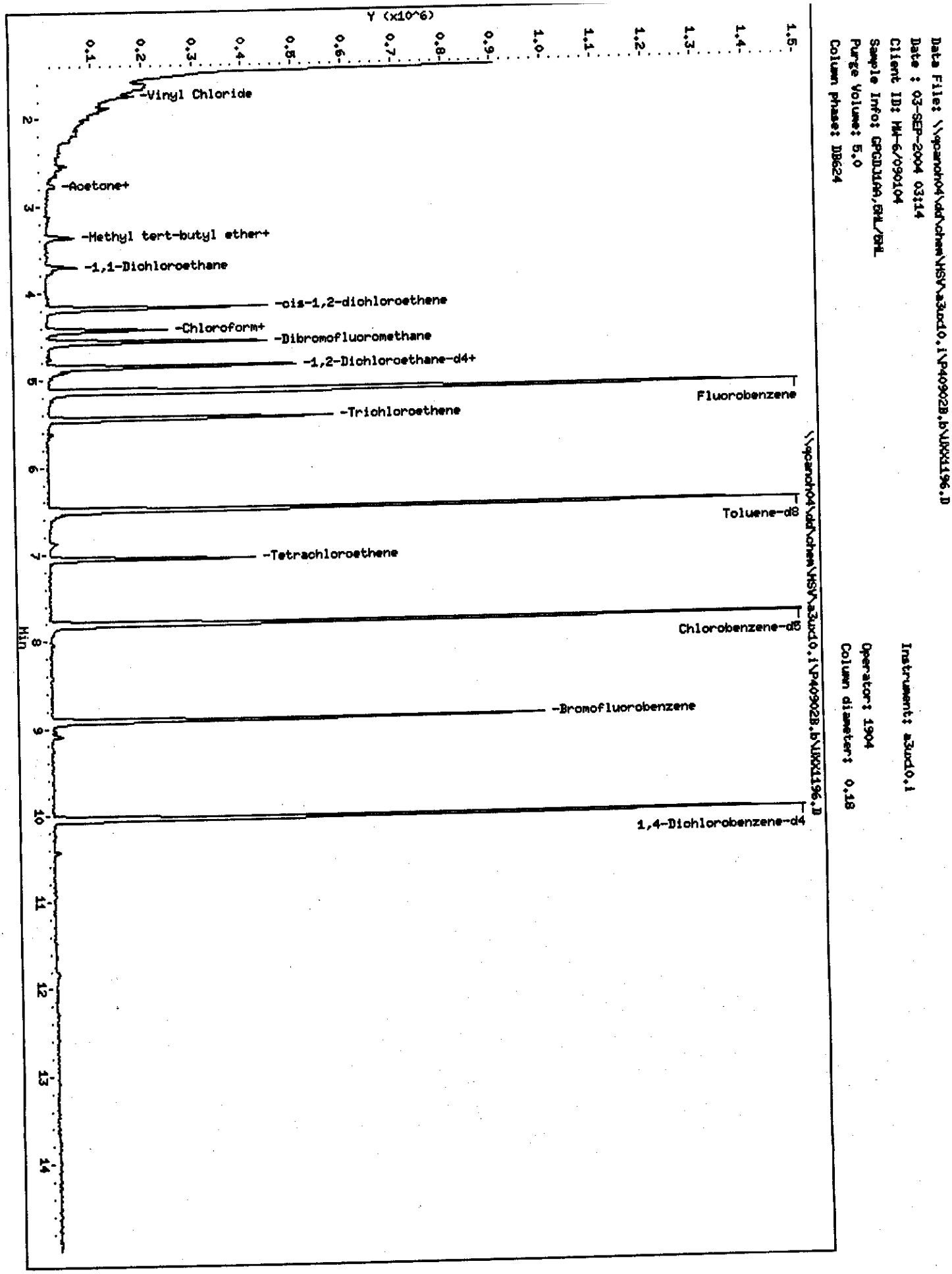
Lot-Sample #...: A4I020164-002 **Work Order #...:** GPGDJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**3.9**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**5.5**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	**1.6**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 03-SEP-2004 03:14
Client ID: MW-6/090104
Sample Info: GPGDJ1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Acetone+
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Chloroform+
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-Trichloroethene
Toluene-d8
-Tetrachloroethene
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1196.D
Report Date: 03-Sep-2004 17:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1196.D
Lab Smp Id: GPGDJ1AA
Client Smp ID: MW-6/090104
Inj Date : 03-SEP-2004 03:14
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGDJ1AA,5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.135	(1.000)	1513464	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.809	(1.000)	1080603	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.045	(1.000)	506628	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.567	(0.889)	298013	52.4984	10.500
$ 5 1,2-Dichloroethane-d4	65	4.841	4.851	(0.942)	405656	51.8299	10.366
$ 6 Toluene-d8	98	6.498	6.495	(0.832)	1153351	51.7969	10.359
$ 7 Bromofluorobenzene	95	8.912	8.909	(1.141)	398753	46.0963	9.219
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.753	1.750	(0.341)	53431	7.84668	1.569
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.759	2.768	(0.537)	19600	3.62650	0.7253
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1196.D
Report Date: 03-Sep-2004 17:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.362	3.372	(0.655)	39034	1.86871	0.3737
	25 trans-1,2-Dichloroethene	96	3.362	3.372	(0.655)	8662	1.30818	0.2616
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.705	3.703	(0.721)	63232	5.48624	1.097
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				223159	31.3381	6.268
	32 cis-1,2-dichloroethene	96	4.178	4.176	(0.813)	214497	30.0299	6.006
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.427	4.436	(0.862)	187271	15.8793	3.176
	36 Tetrahydrofuran	42	4.427	4.425	(0.862)	26292	7.18931	1.438
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.912	4.910	(0.956)	10954	1.11166	0.2223
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.445	5.454	(1.060)	206166	27.5479	5.510
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.054	7.063	(0.903)	103092	19.6771	3.935
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1196.D
Report Date: 03-Sep-2004 17:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.546	2.544	(0.496)	10538	1.34948	0.2699
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1196.D

Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

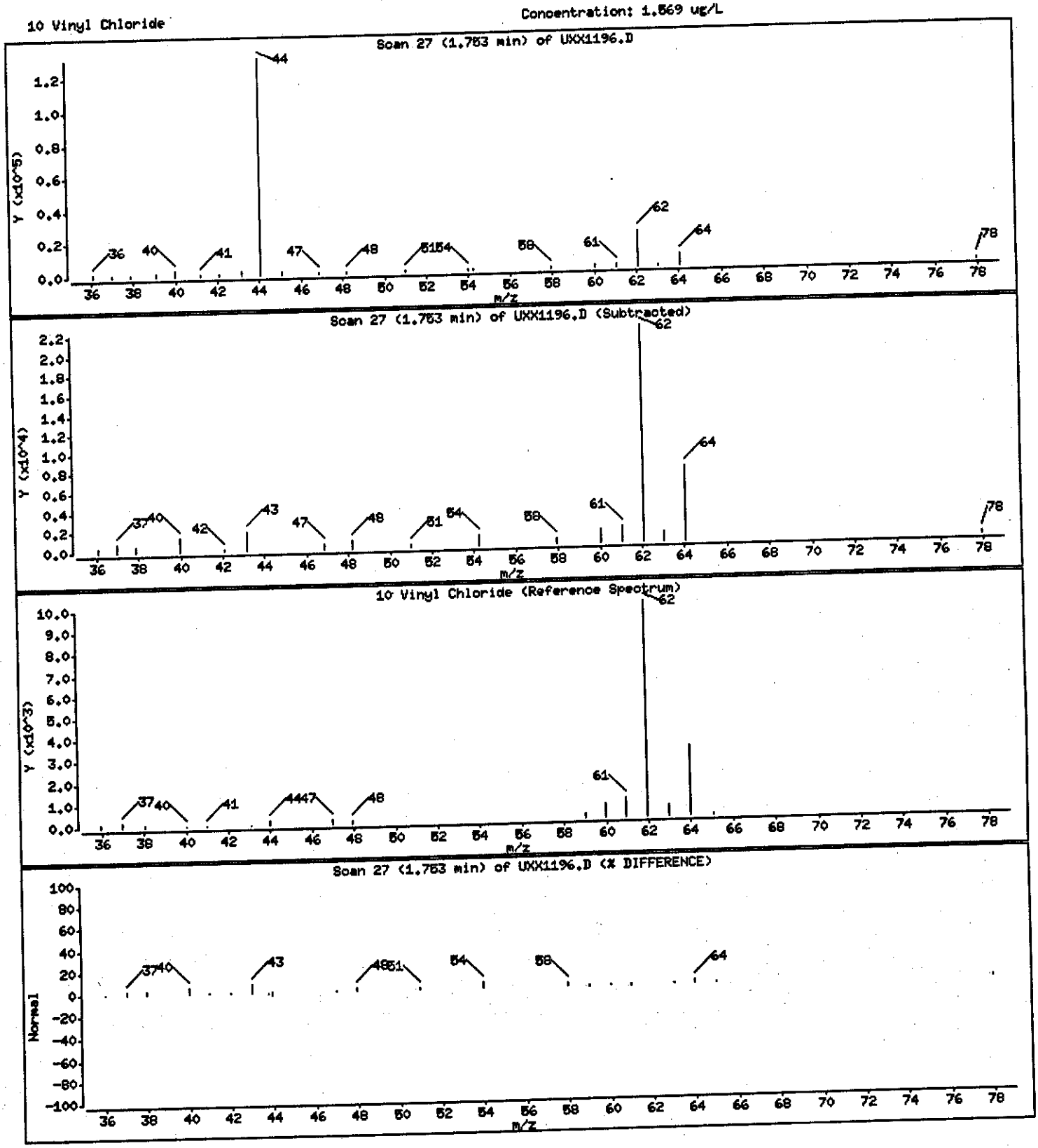
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 1.569 ug/L

10 Vinyl Chloride



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPCDJ1AA,5ML/5ML

Purge Volume: 5.0

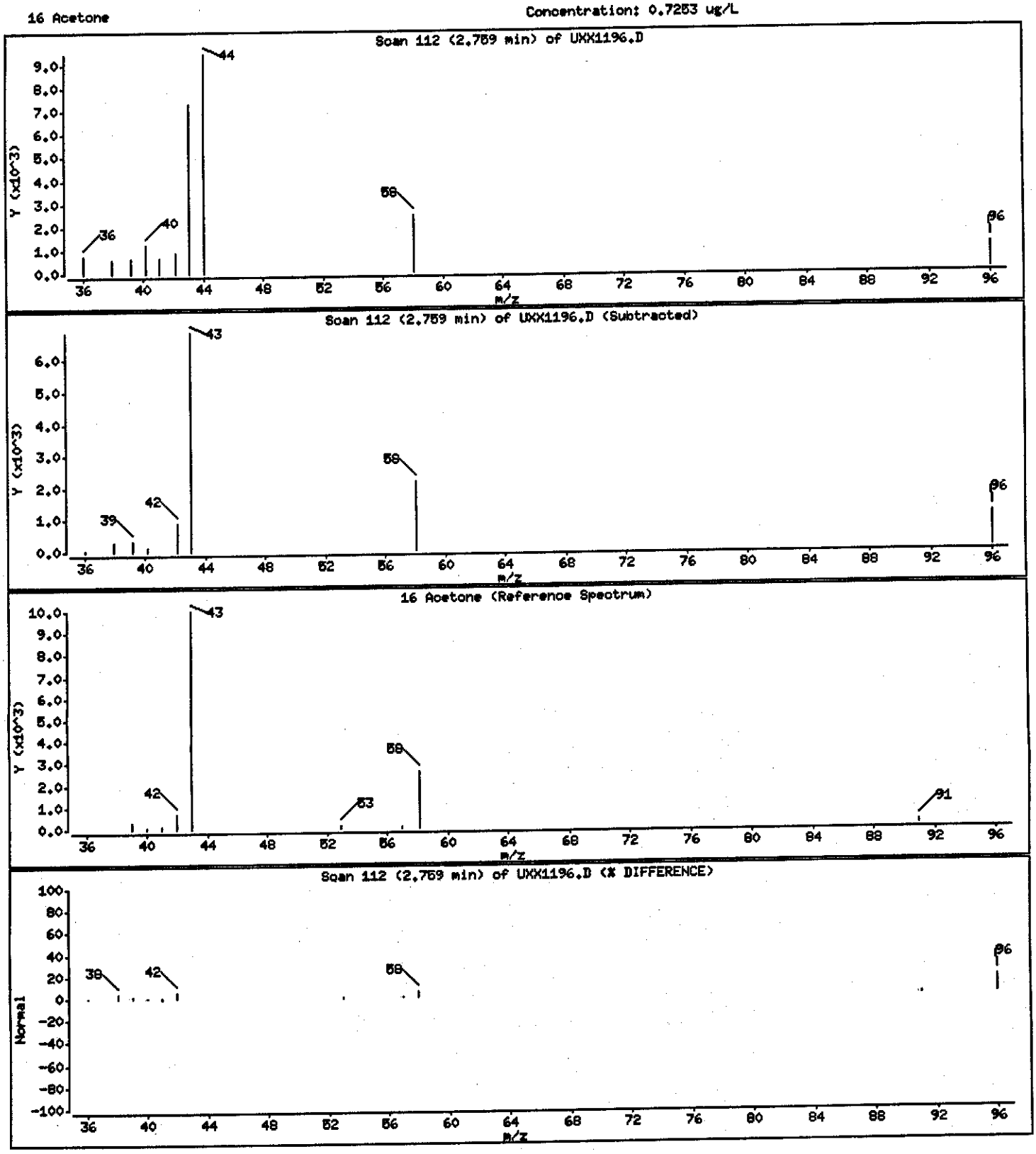
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 0.7253 ug/L



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

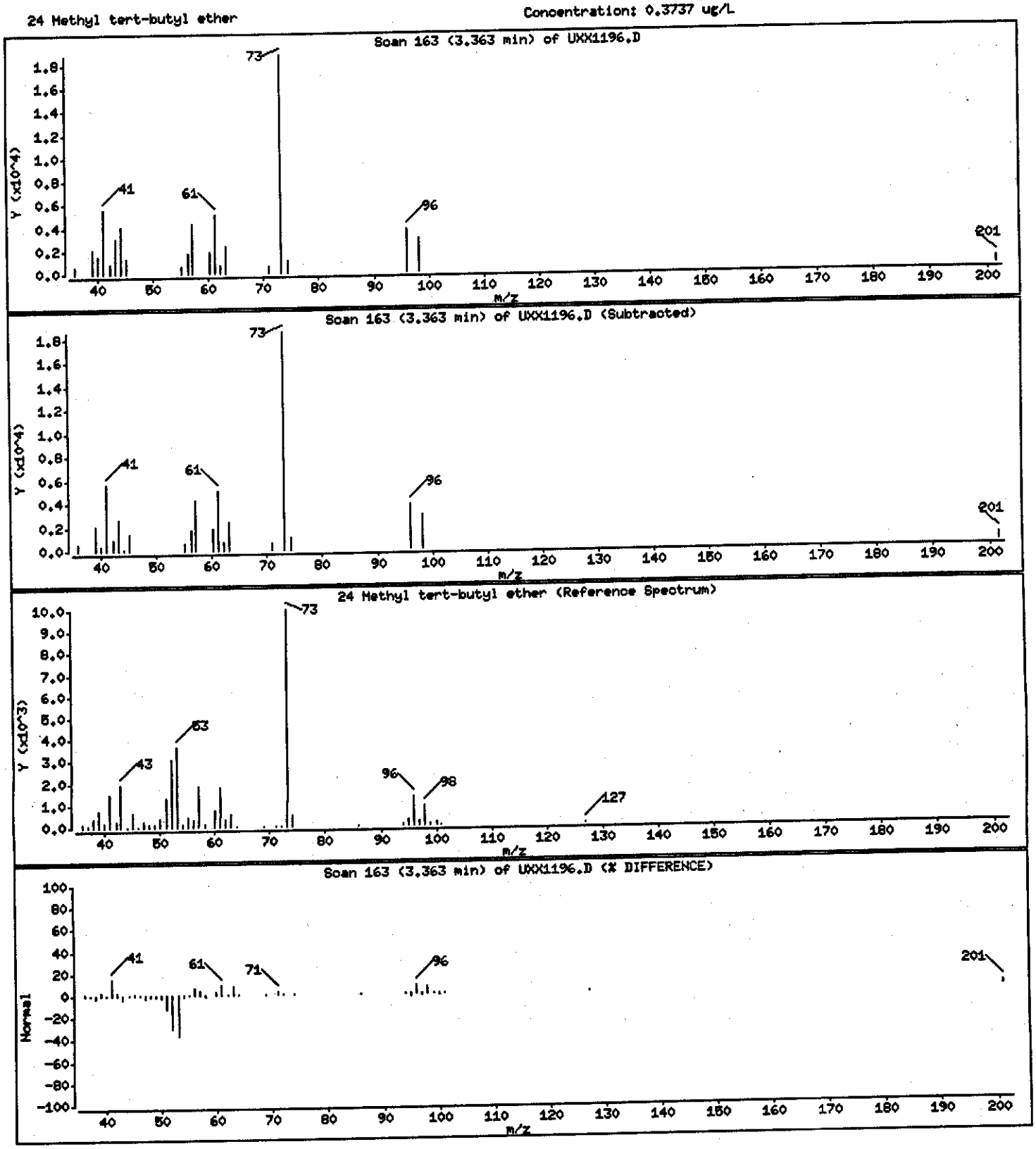
Operator: 1904

Column phase: DB624

Column diameter: 0.18

24 Methyl tert-butyl ether

Concentration: 0.3737 ug/L



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

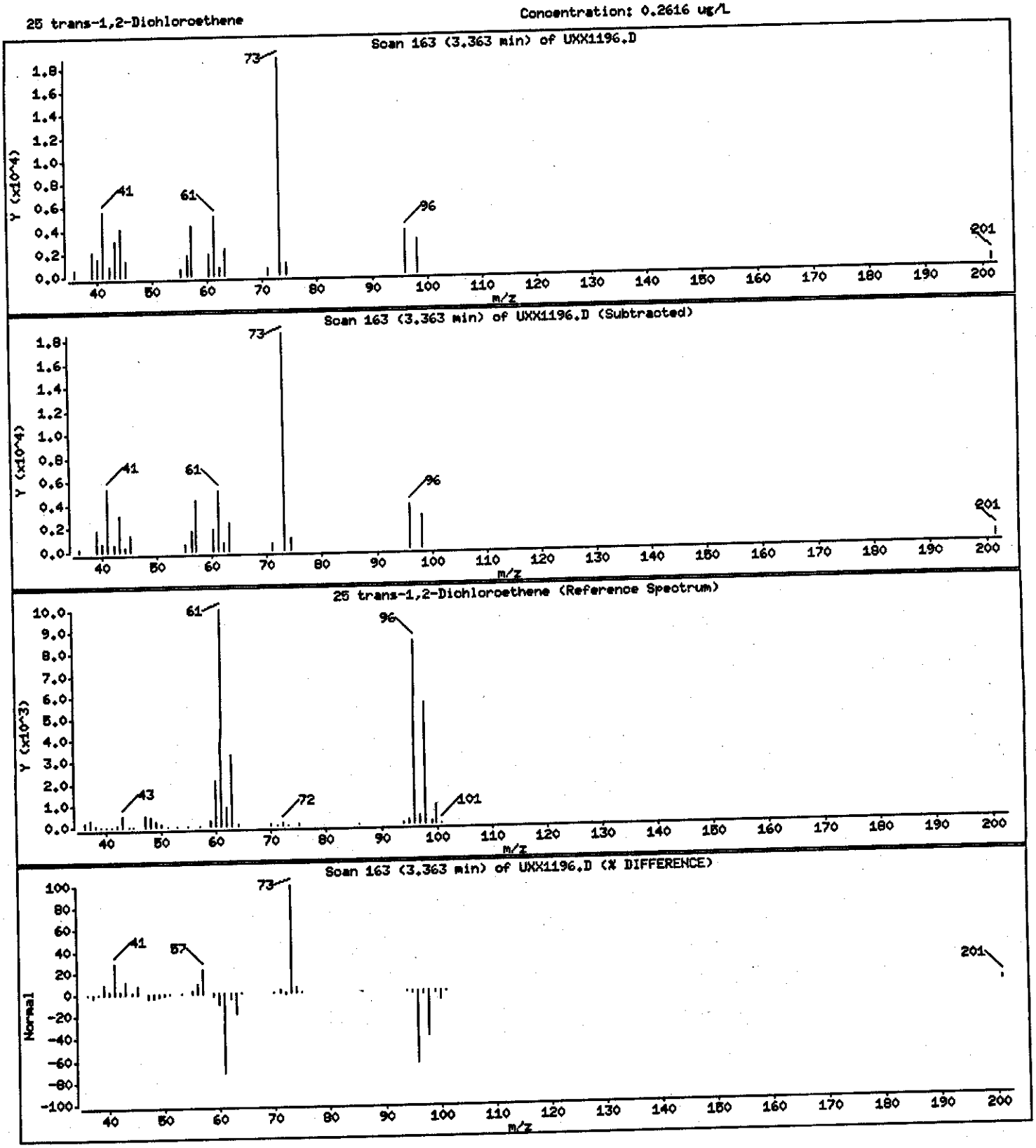
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.2616 ug/L

25 trans-1,2-Dichloroethene



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPCDJ1AA,5ML/5ML

Purge Volume: 5.0

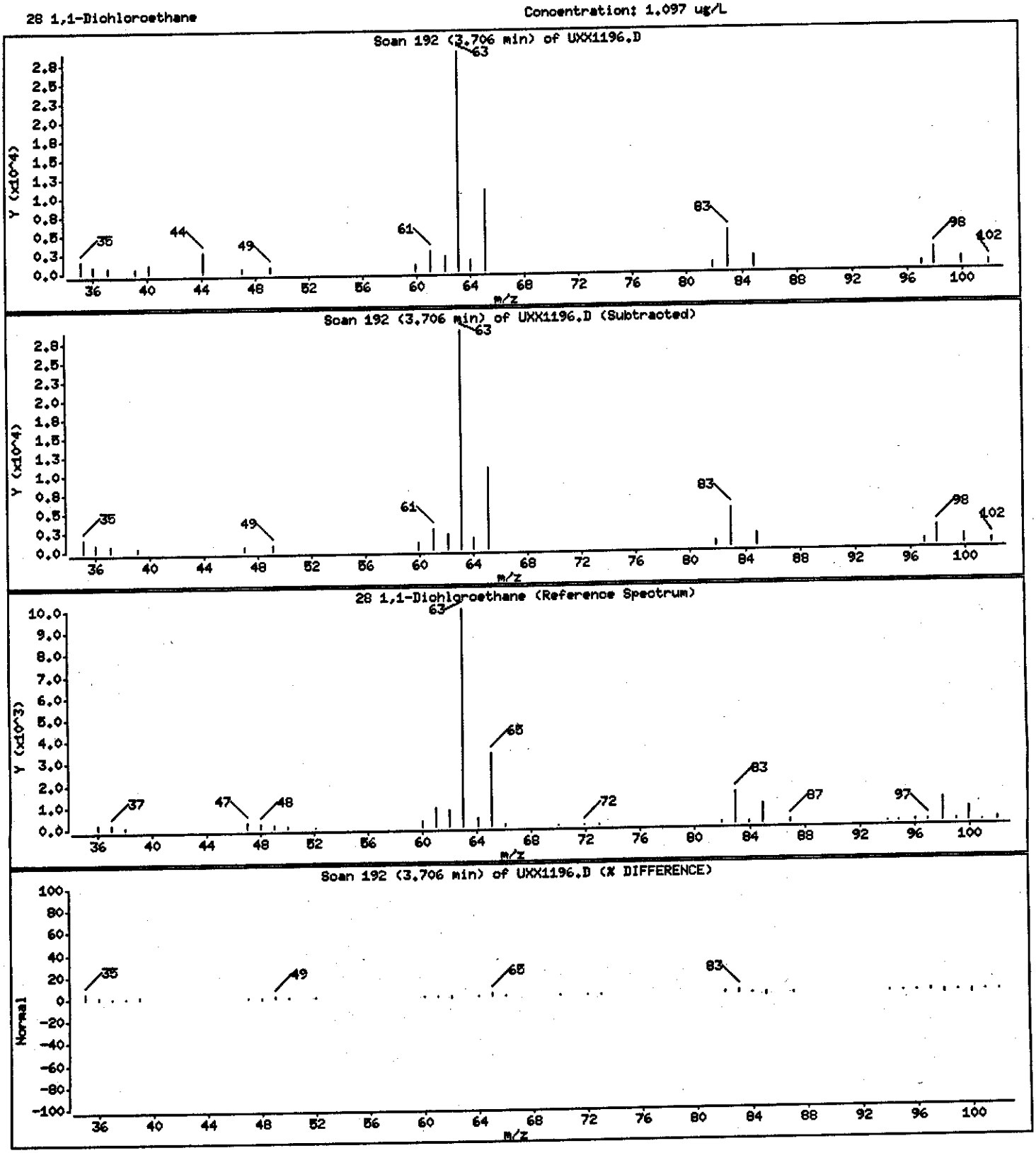
Operator: 1904

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 1.097 ug/L



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

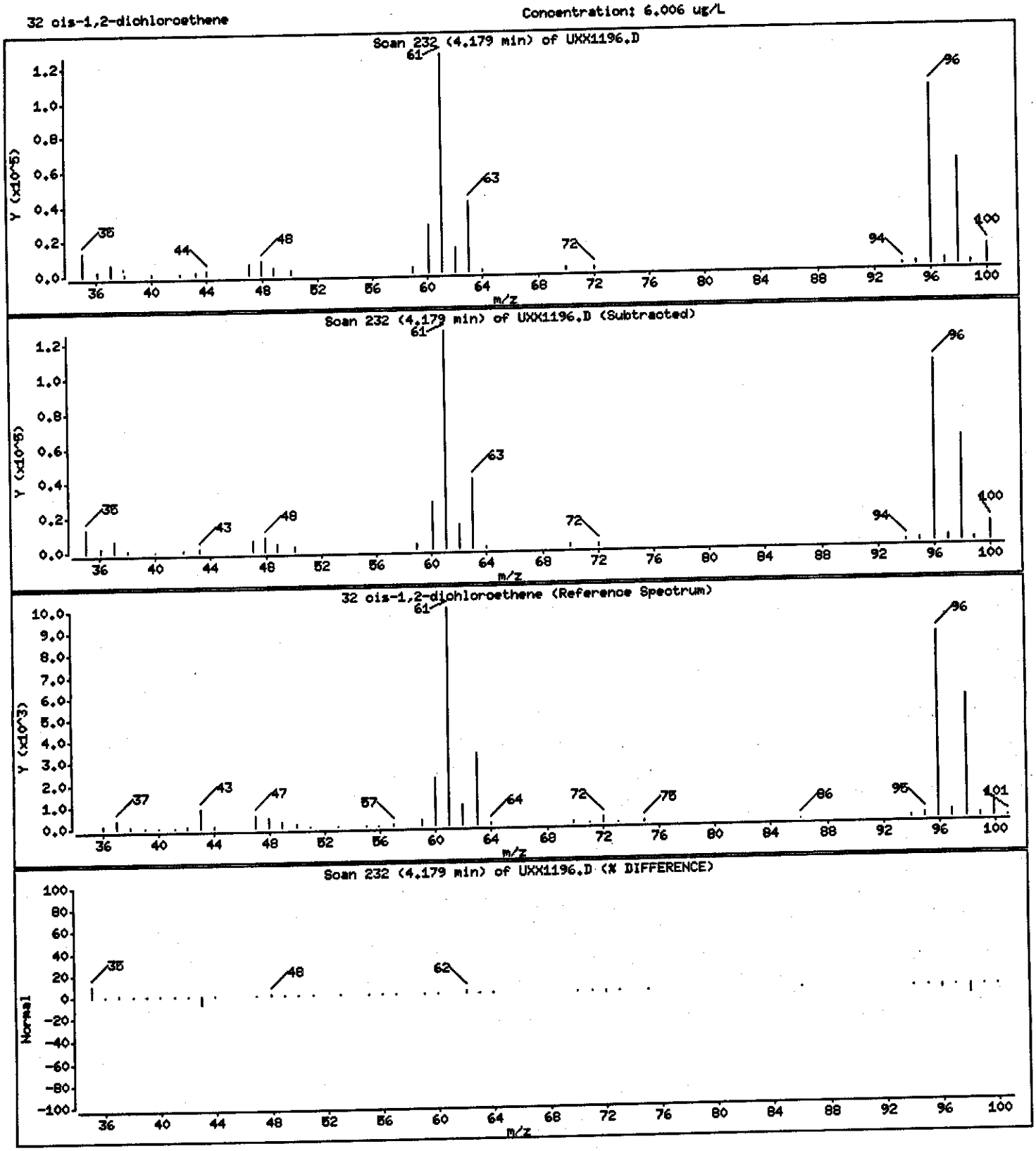
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 6.006 ug/L

32 cis-1,2-dichloroethene



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

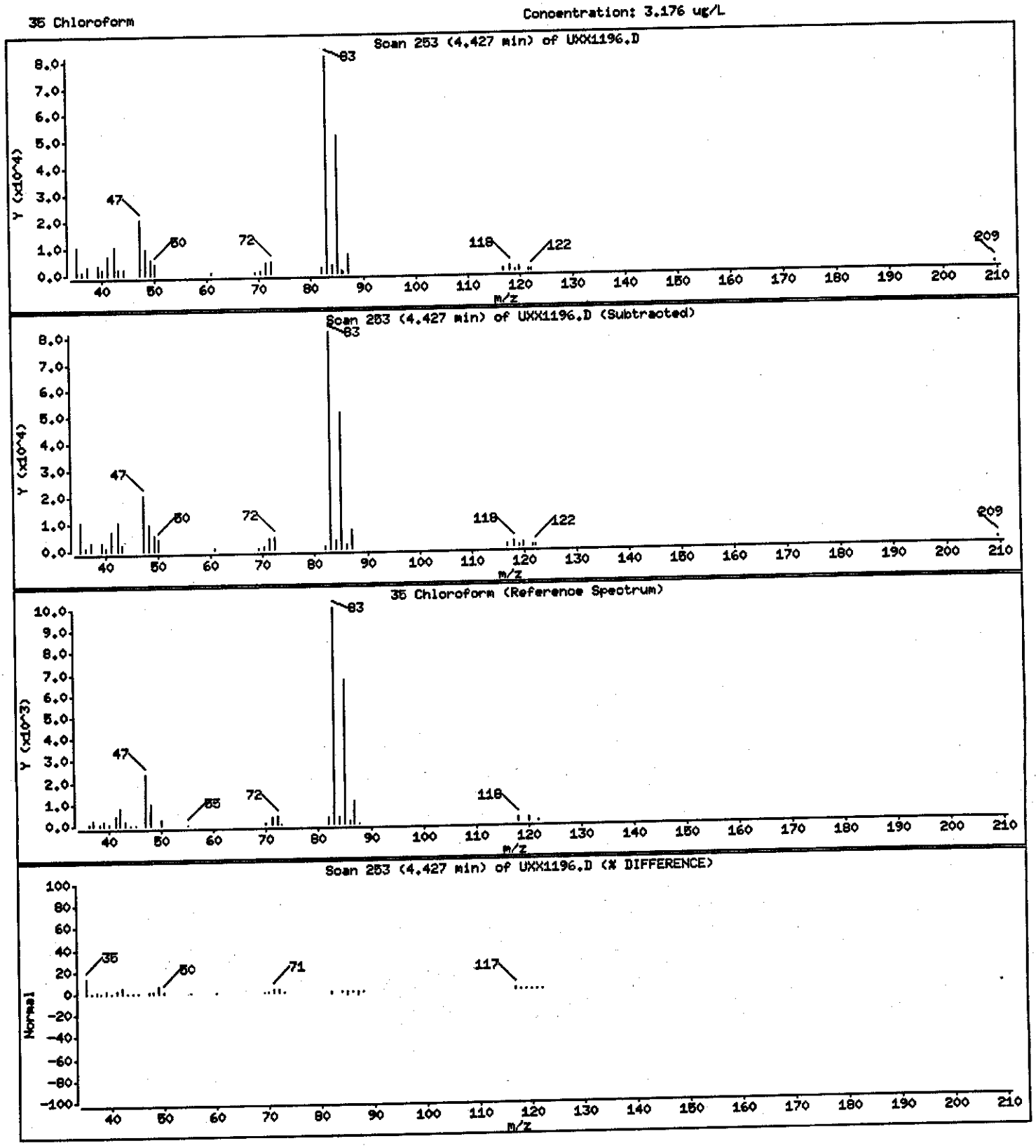
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 3.176 ug/L

35 Chloroform



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1196.D

Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

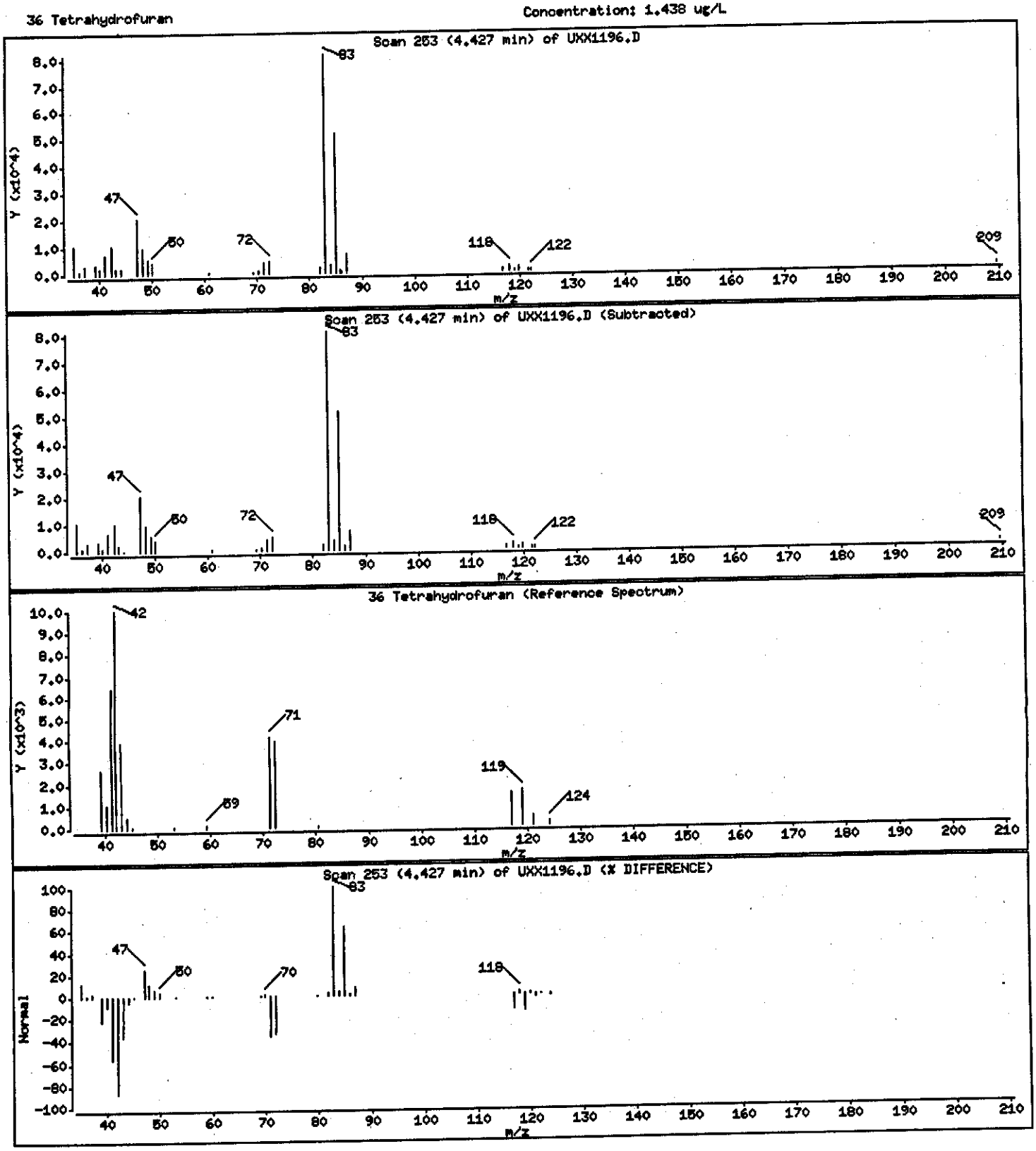
Operator: 1904

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 1.438 ug/L



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

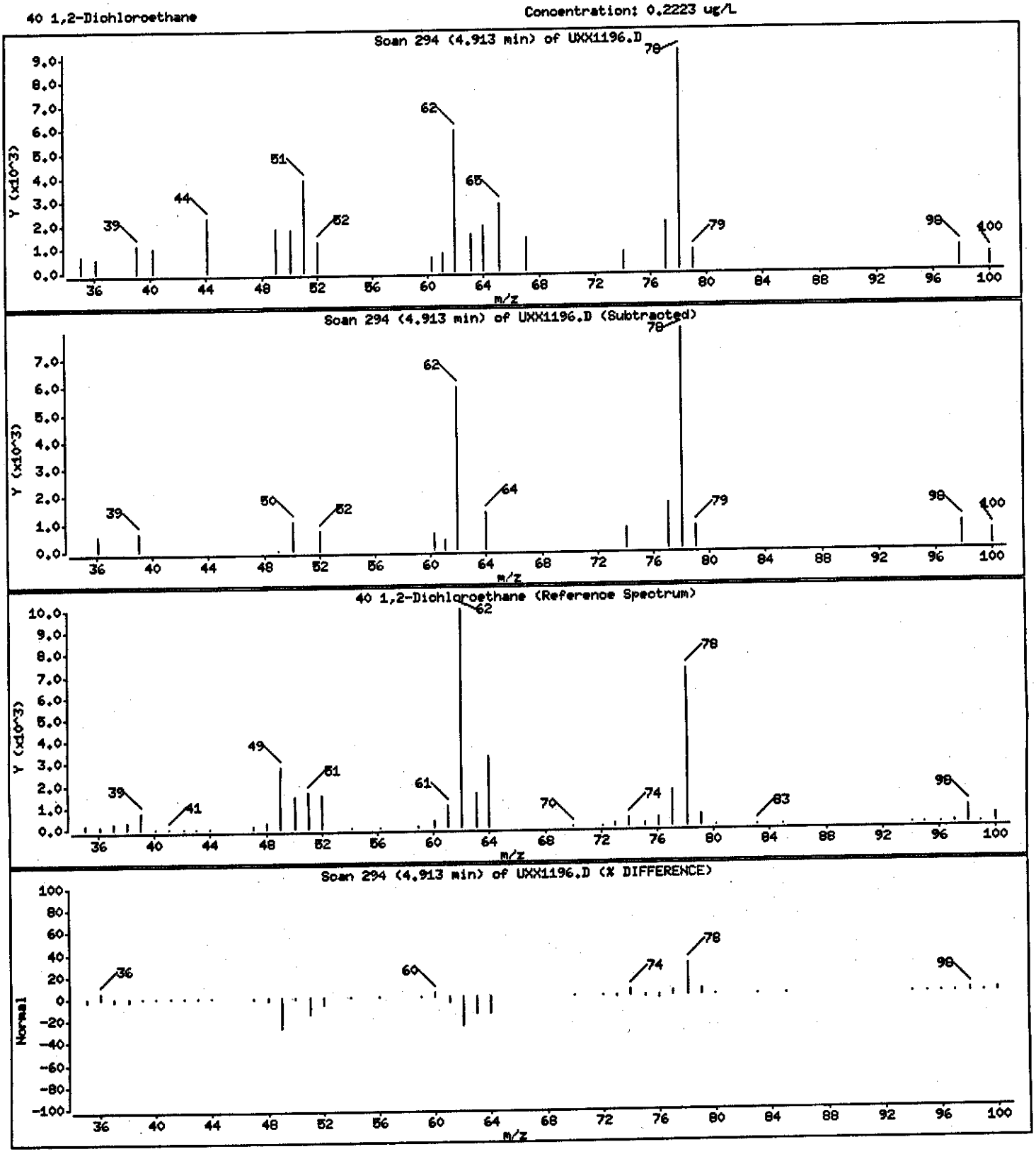
Operator: 1904

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 0.2223 ug/L



Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1196.D

Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

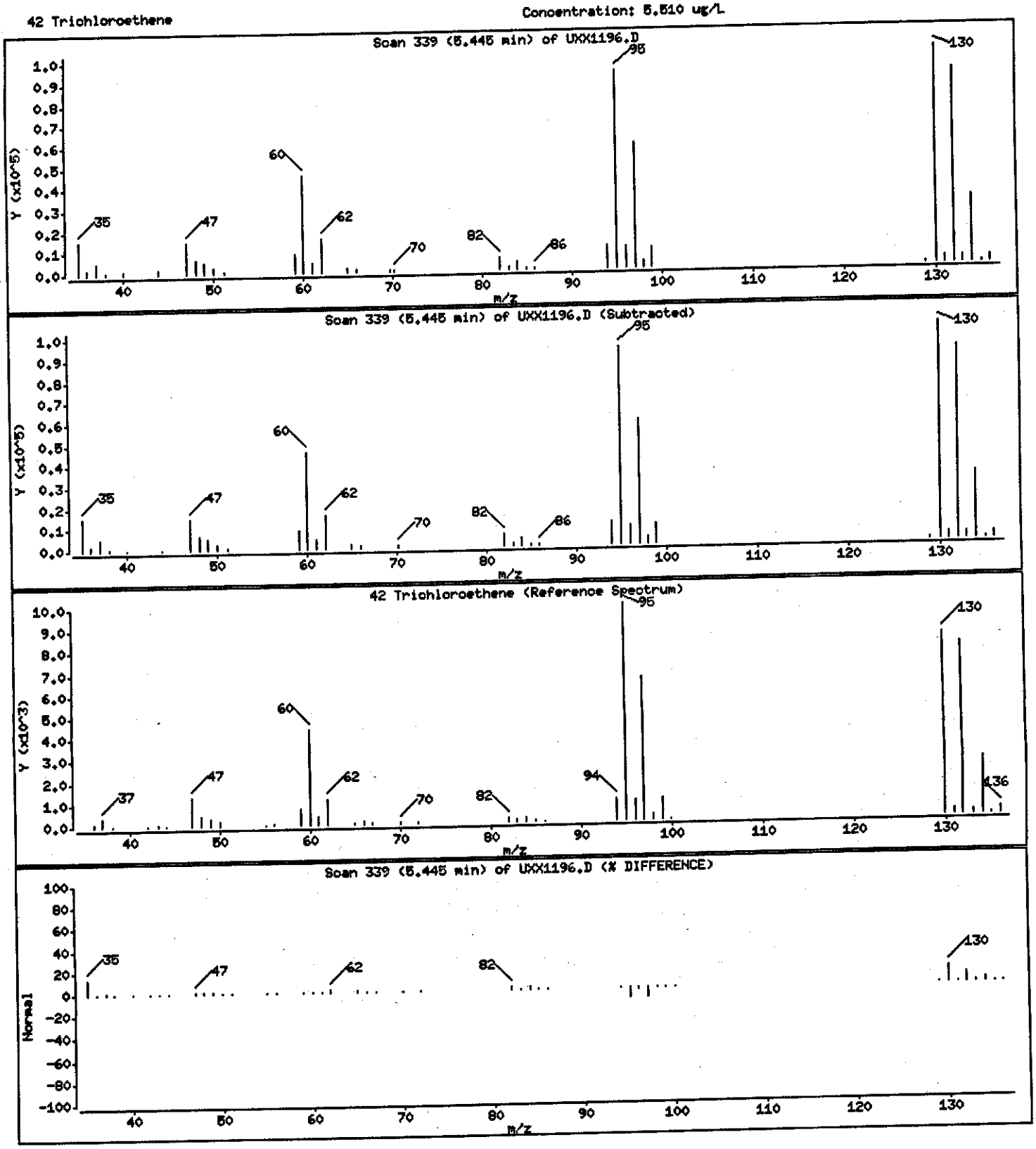
Operator: 1904

Column phase: DB624

Column diameter: 0.18

42 Trichloroethene

Concentration: 5.510 ug/L



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

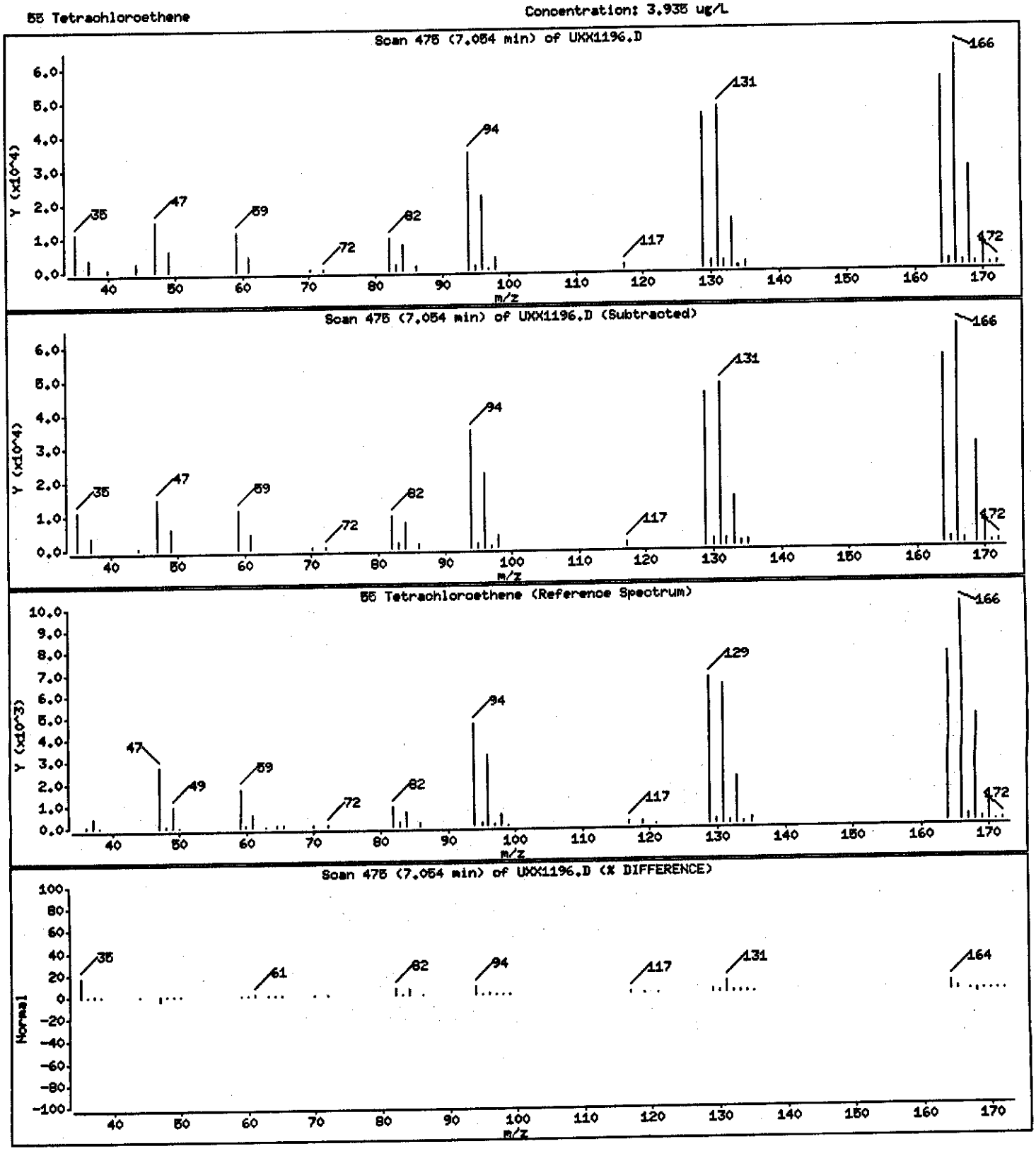
Operator: 1904

Column phase: DB624

Column diameter: 0.18

55 Tetrachloroethene

Concentration: 3.935 ug/L



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Date : 03-SEP-2004 03:14

Client ID: MW-6/090104

Instrument: a3ux10.i

Sample Info: GPGDJ1AA,5ML/5ML

Purge Volume: 5.0

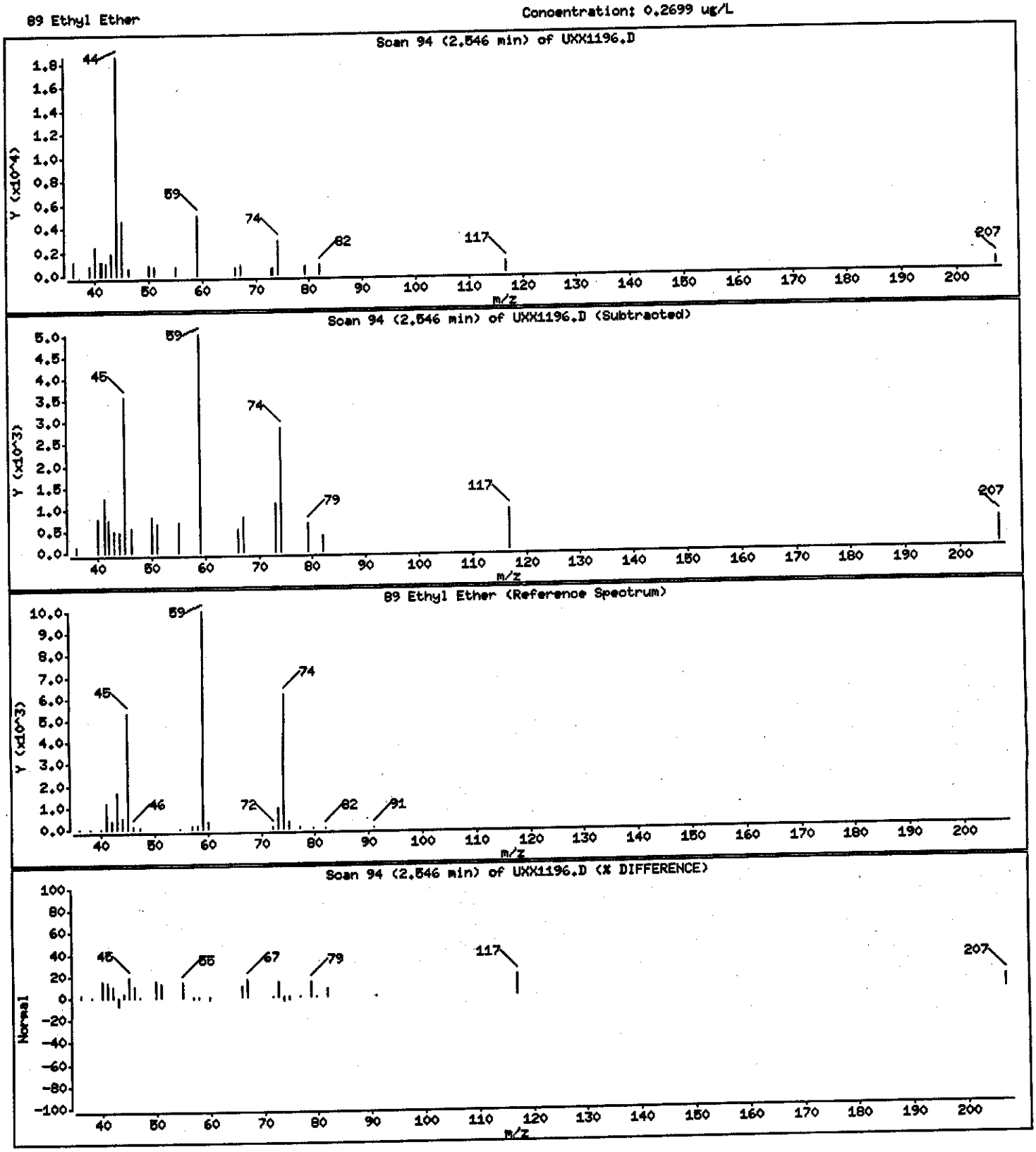
Operator: 1904

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 0.2699 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-12/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-003 **Work Order #...:** GPGDK1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 10:35 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	100	ug/L
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Benzene	**63**	**10**	**ug/L**
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	**14**	**10**	**ug/L**
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
3-Chloropropene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
1,1-Dichloroethane	**4.6 J**	**10**	**ug/L**
1,2-Dichloroethane	ND	10	ug/L
cis-1,2-Dichloroethene	**5.2 J**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene (total)	**5.2 J**	**20**	**ug/L**
Dichlorofluoromethane	ND	20	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	**2300**	**500**	**ug/L**
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-12/090104

GC/MS Volatiles

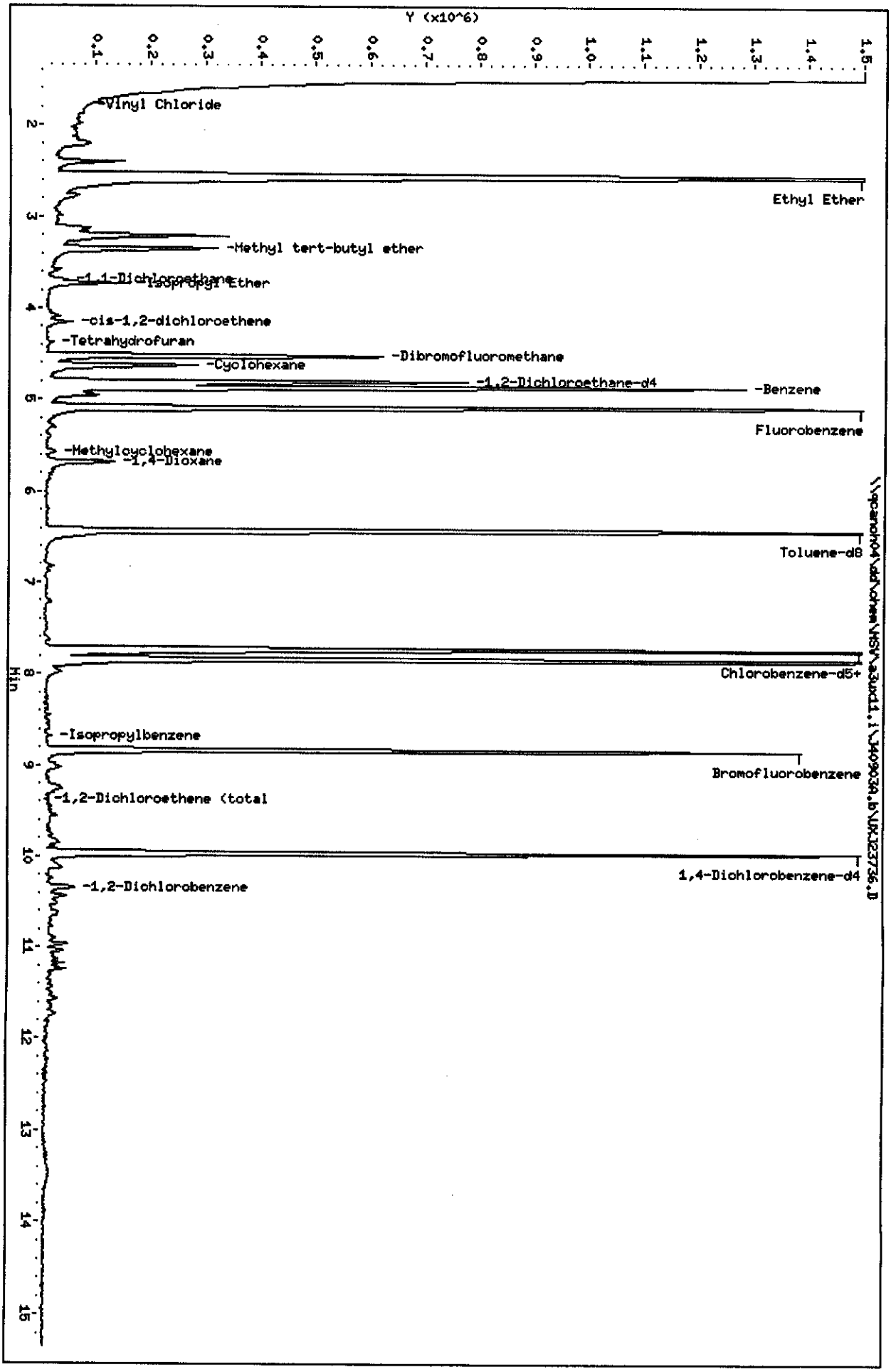
Lot-Sample #...: A4I020164-003 **Work Order #...:** GPGDK1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutanol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L
Methylene chloride	ND	10	ug/L
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	**4.6 J**	**10**	**ug/L**
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 03-SEP-2004 11:22
Client ID: HW-12/090104
Sample Info: GPCUK1AA,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624
Instrument: a3uxd1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
Ethyl Ether
Methyl tert-butyl ether
1,1-Dichloroethane
Isopropyl Ether
cis-1,2-dichloroethene
Tetrahydrofuran
Dibromofluoromethane
Cyclohexane
1,2-Dichloroethane-d4
Benzene
Fluorobenzene
Methylcyclohexane
1,4-Dioxane
Toluene-d8
Chlorobenzene-d5+
Isopropylbenzene
Bromofluorobenzene
1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
1,2-Dichlorobenzene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D
Report Date: 07-Sep-2004 09:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D
Lab Smp Id: GPGDK1AA Client Smp ID: MW-12/090104
Inj Date : 03-SEP-2004 11:22
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDK1AA,0.5ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1814586	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1309290	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	614807	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	445250	52.1390	104.28
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	596329	52.7280	105.46
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1559542	49.7169	99.434
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	586899	44.1476	88.295
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.787	1.787	(0.351)	17583	2.30144	4.603
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D
Report Date: 07-Sep-2004 09:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	279842	13.3110	26.622
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	38013	2.29132	4.583
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				25243	2.59180	5.184
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	25243	2.59180	5.184
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	8128	2.73428	5.468
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.863	4.863	(0.956)	1285724	31.4788	62.958
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	132215	1139.55	2279.1(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.762	7.762	(1.003)	184078	7.18161	14.363
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D
Report Date: 07-Sep-2004 09:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	8.685	8.685	(1.122)	5340	2.75222	5.504
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.366	10.354	(1.040)	13058	0.80399	1.608
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	4235353	473.358	946.72(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.727	3.728	(0.733)	28524	3.51612	7.032
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	135033	15.0650	30.130
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	5817	5.69249	11.385
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D

Date : 03-SEP-2004 11:22

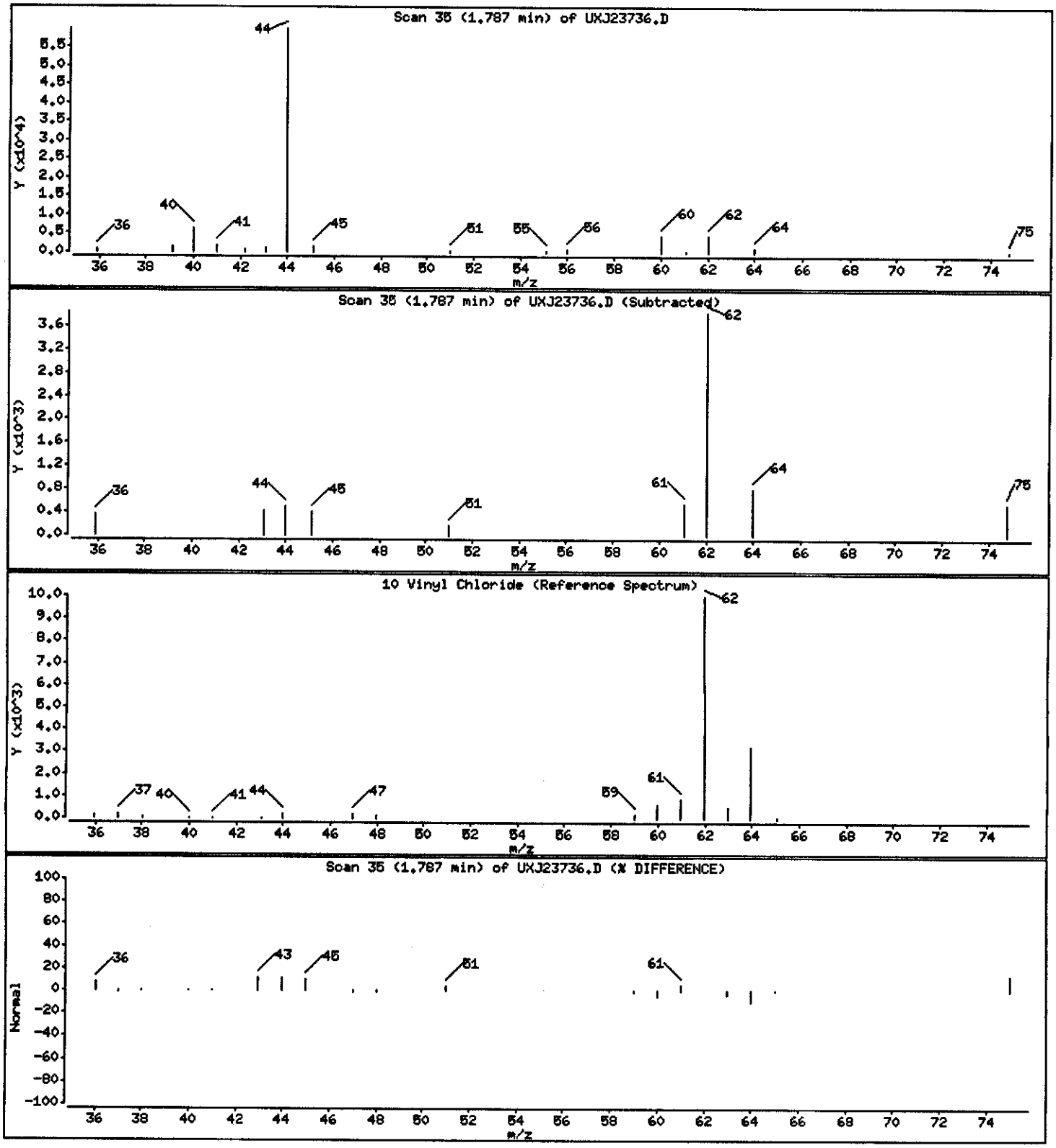
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 4.603 ug/L



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Date : 03-SEP-2004 11:22

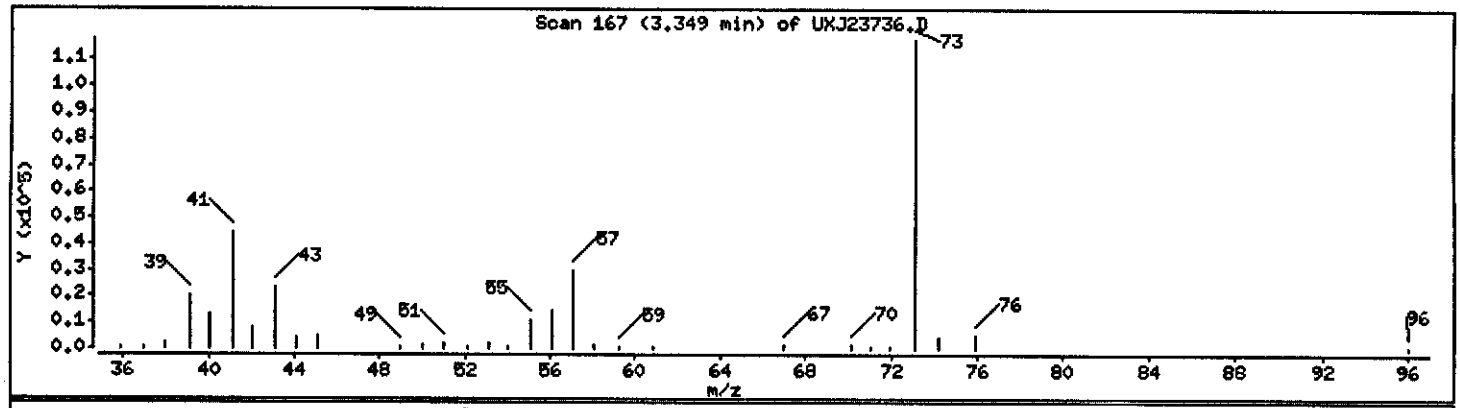
Client ID: MW-12/090104 Instrument: a3ux11.i

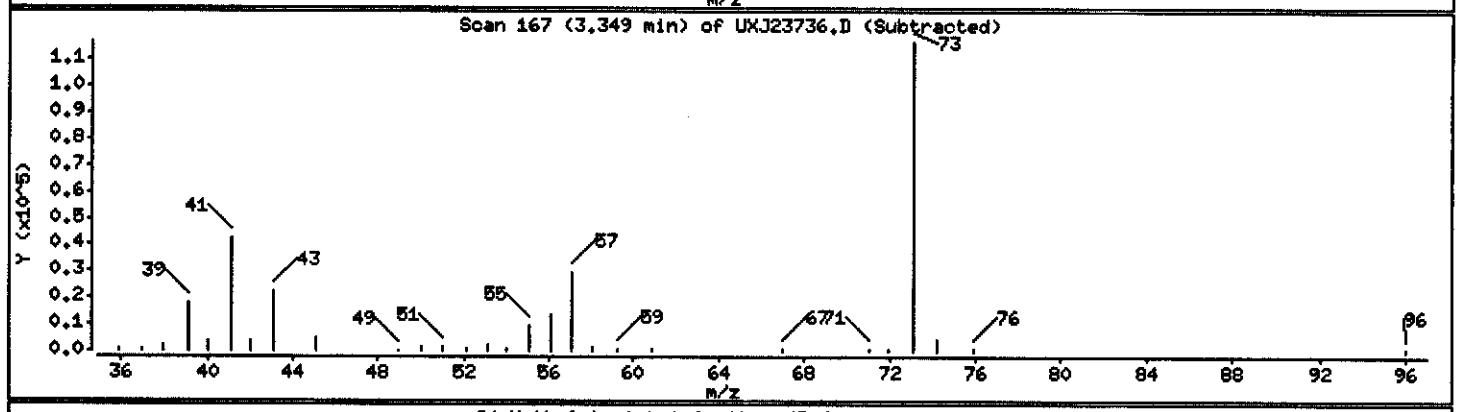
Sample Info: GPGDK1AA,0.5ML/5ML

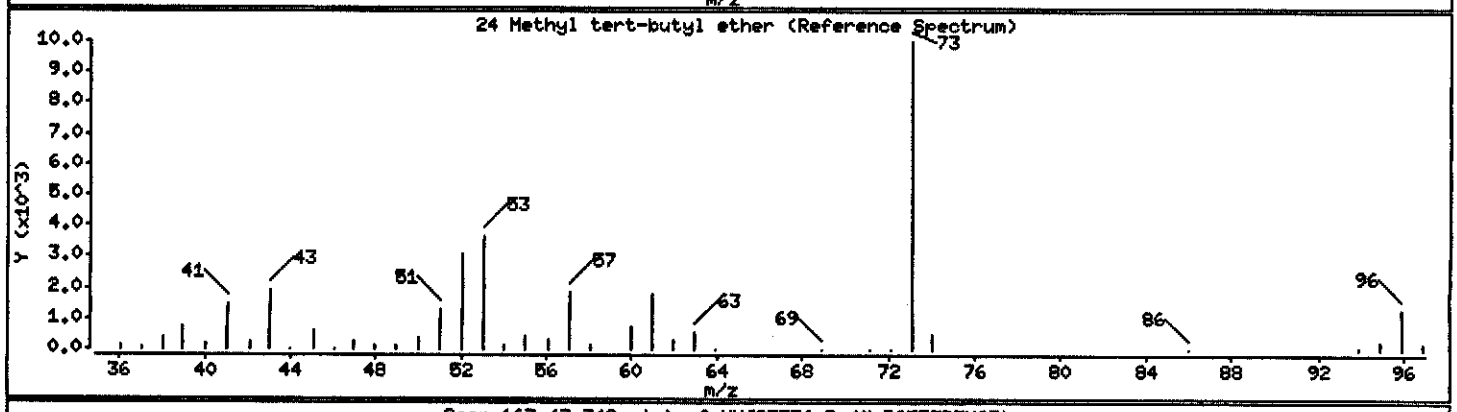
Purge Volume: 0.5 Operator: 43582

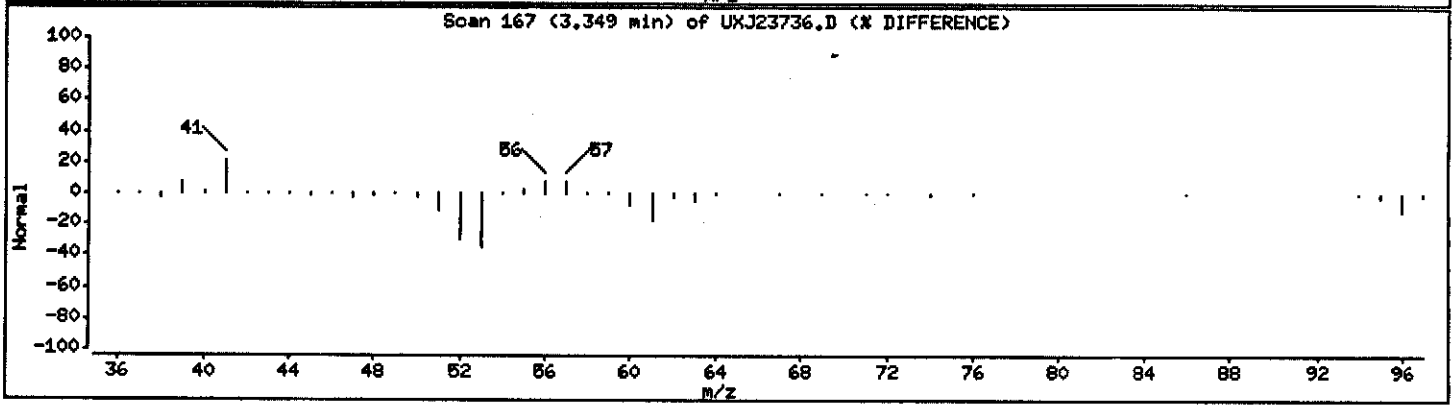
Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 26.622 ug/L









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Date : 03-SEP-2004 11:22

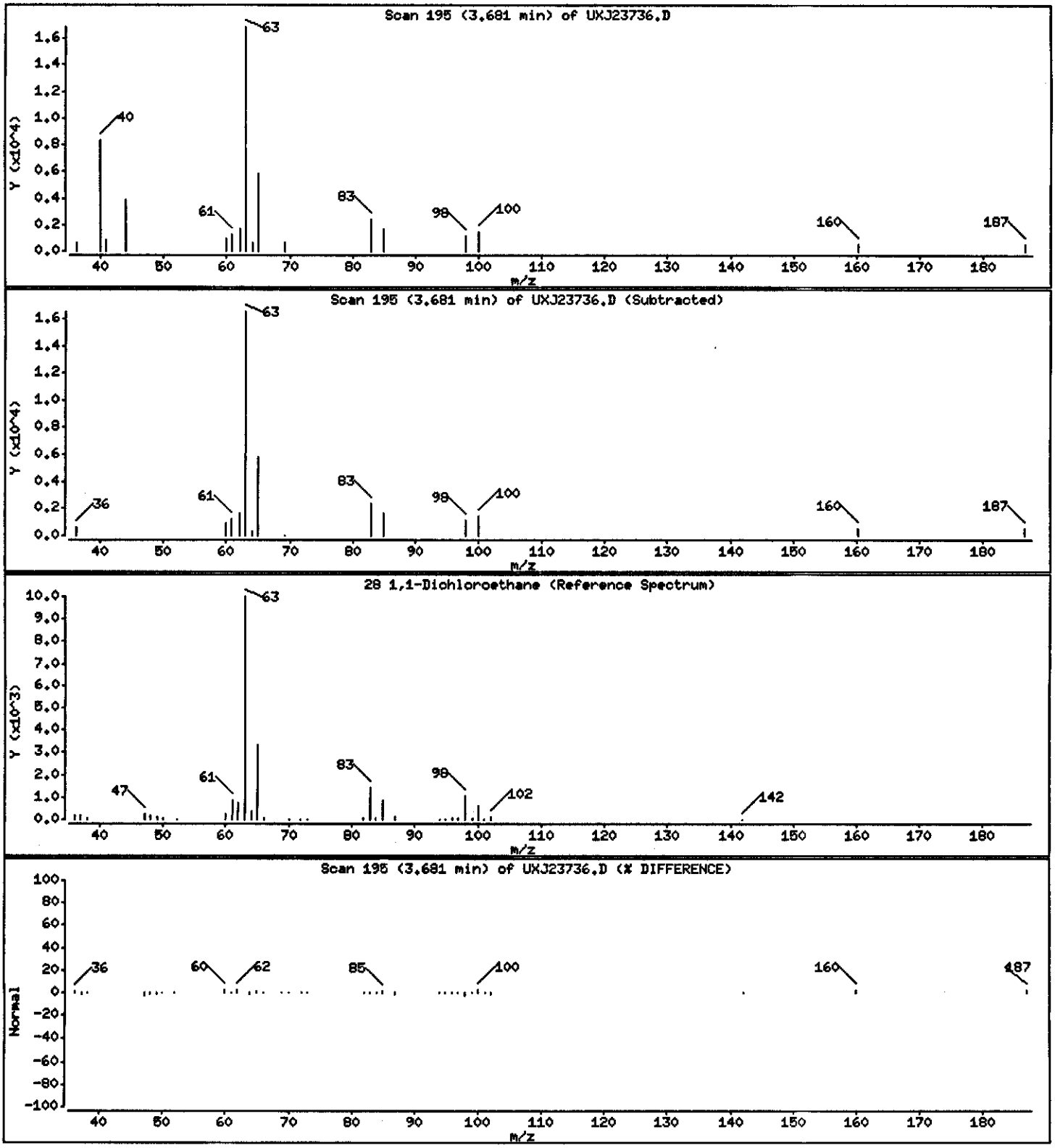
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 4.583 ug/L



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Date : 03-SEP-2004 11:22

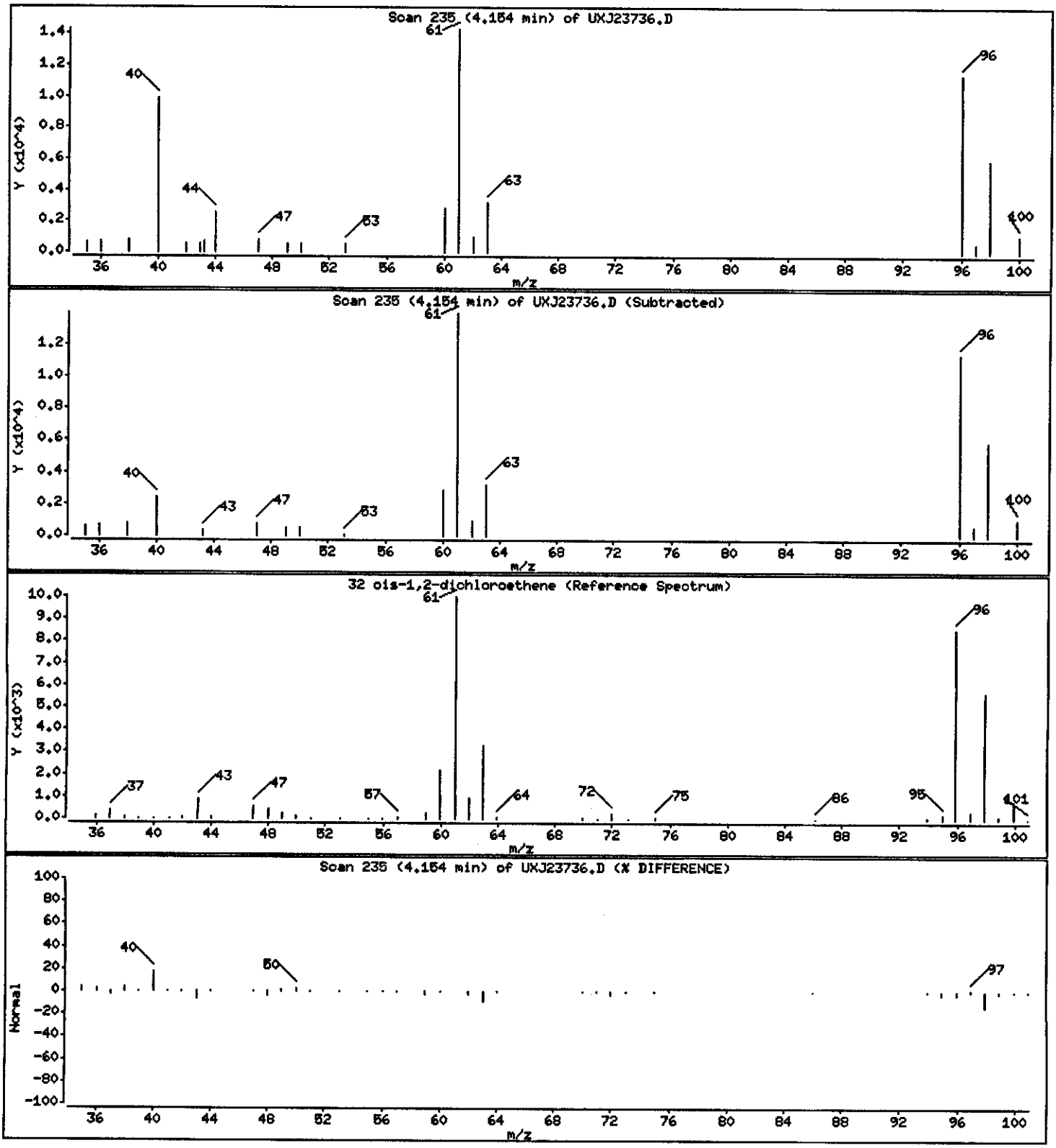
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 5.184 ug/L



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Date : 03-SEP-2004 11:22

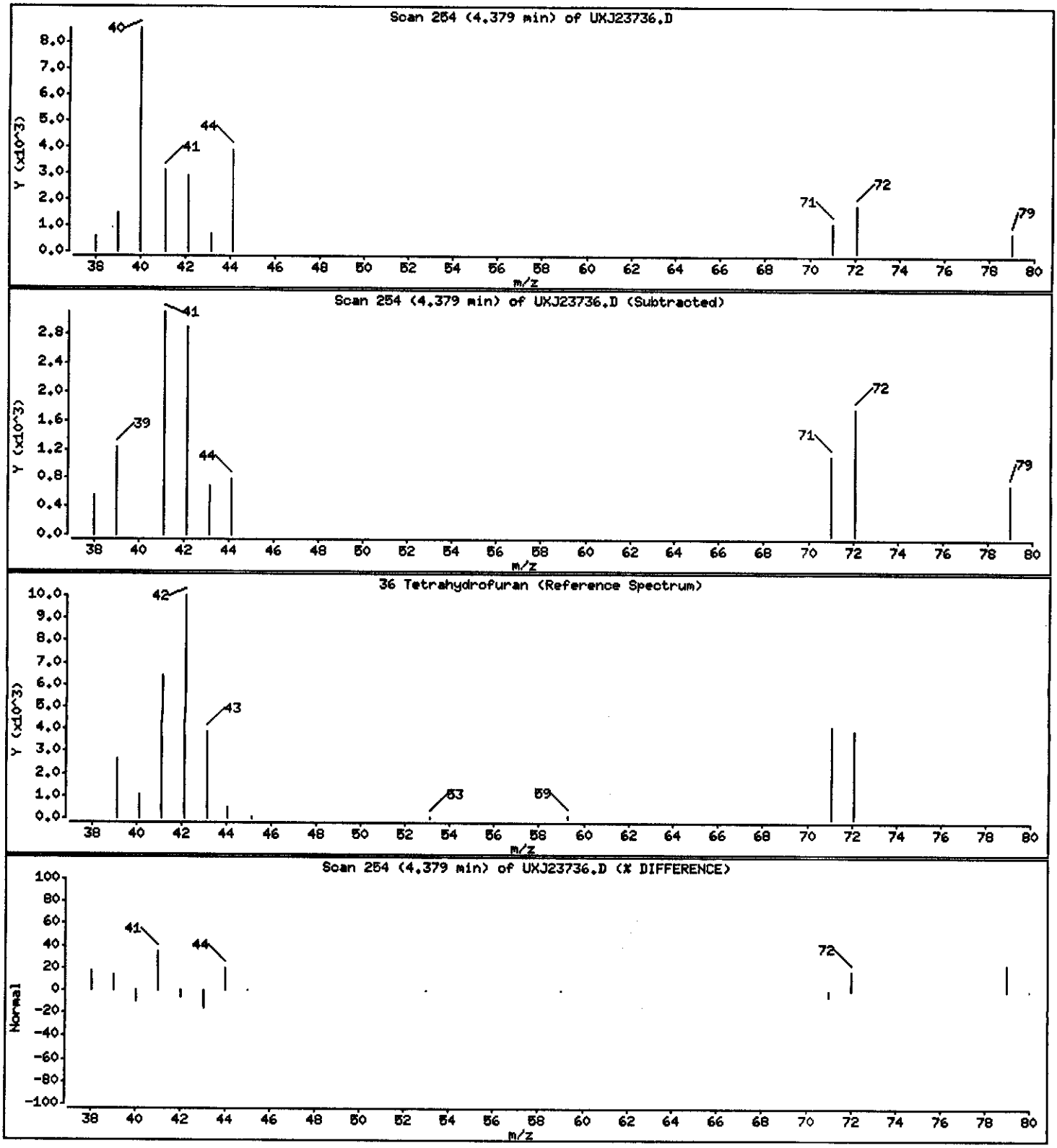
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 5.468 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D

Date : 03-SEP-2004 11:22

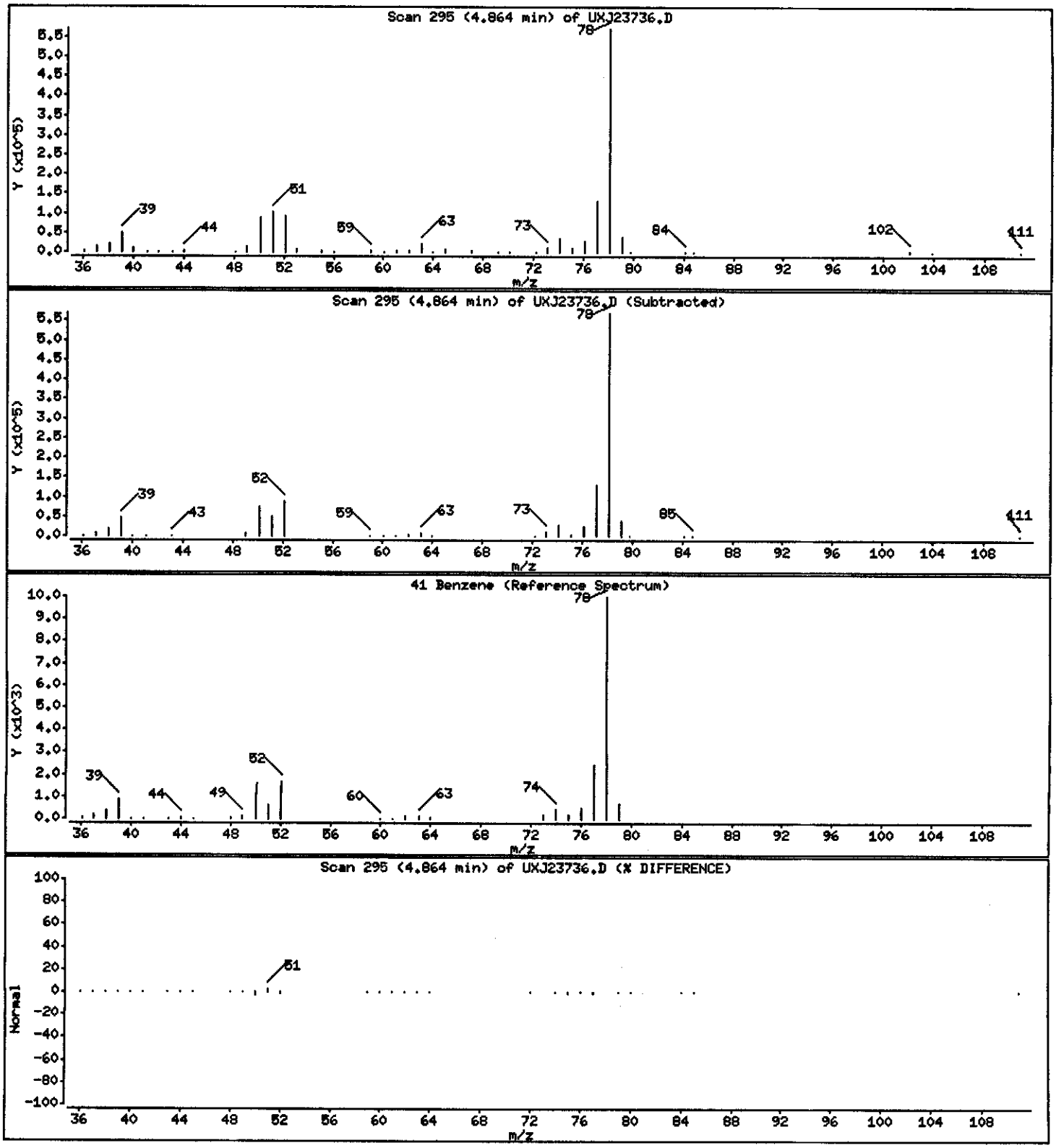
Client ID: MW-12/090104 | Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

41 Benzene | Concentration: 62.958 ug/L



Data File: \\qoanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23736.D

Date : 03-SEP-2004 11:22

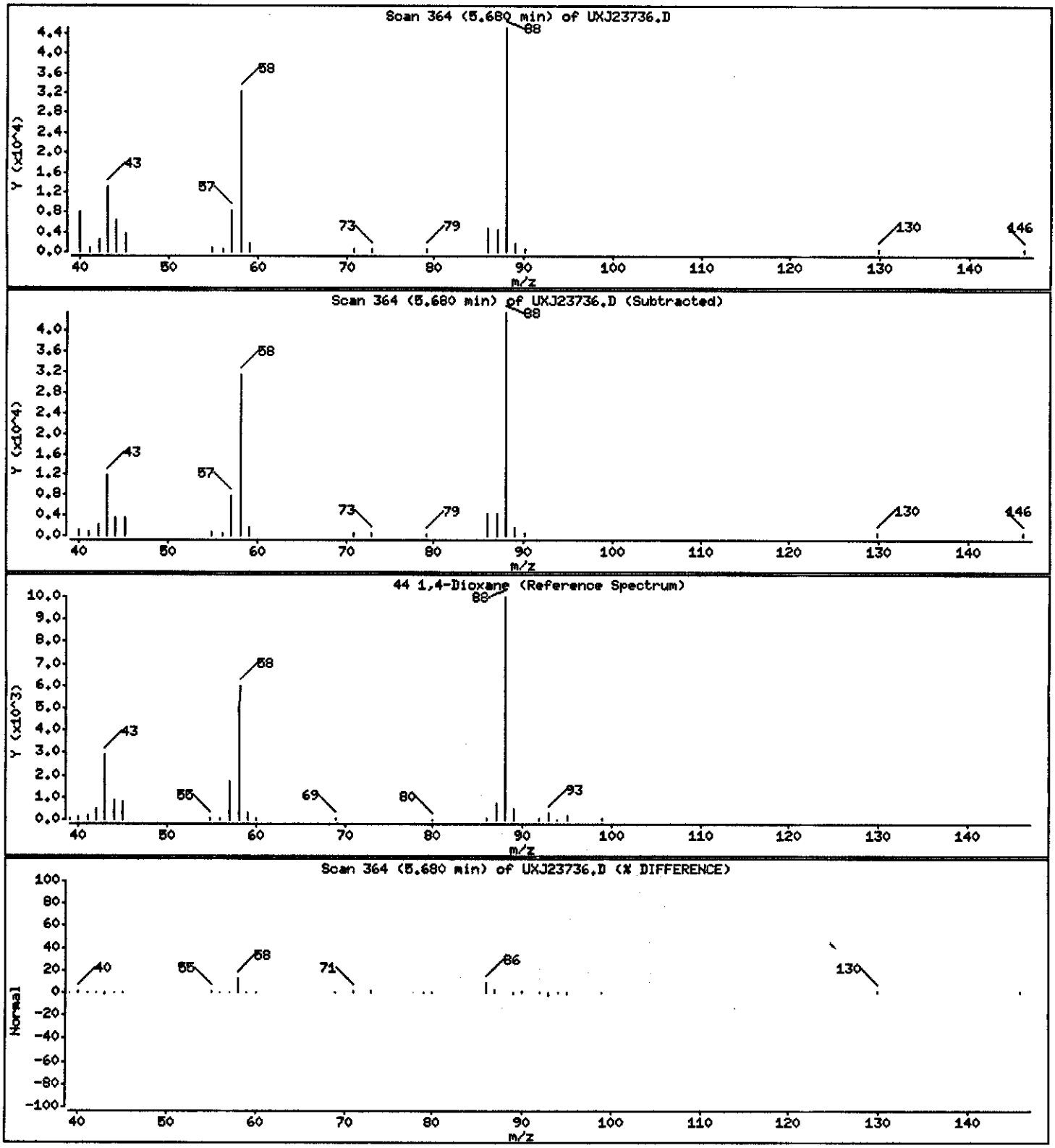
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 2279.1 ug/L



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Date : 03-SEP-2004 11:22

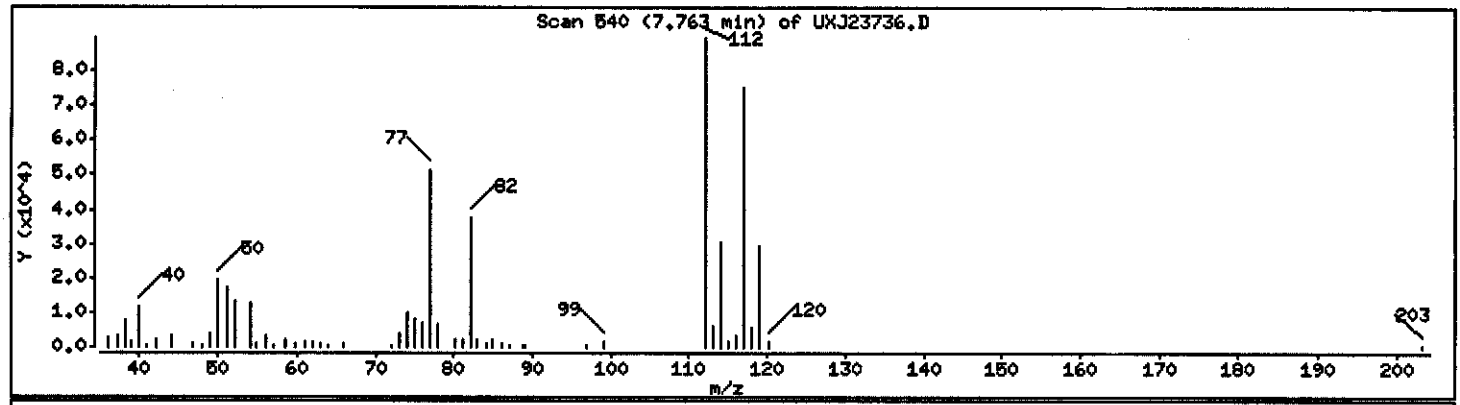
Client ID: MW-12/090104 Instrument: a3ux11.i

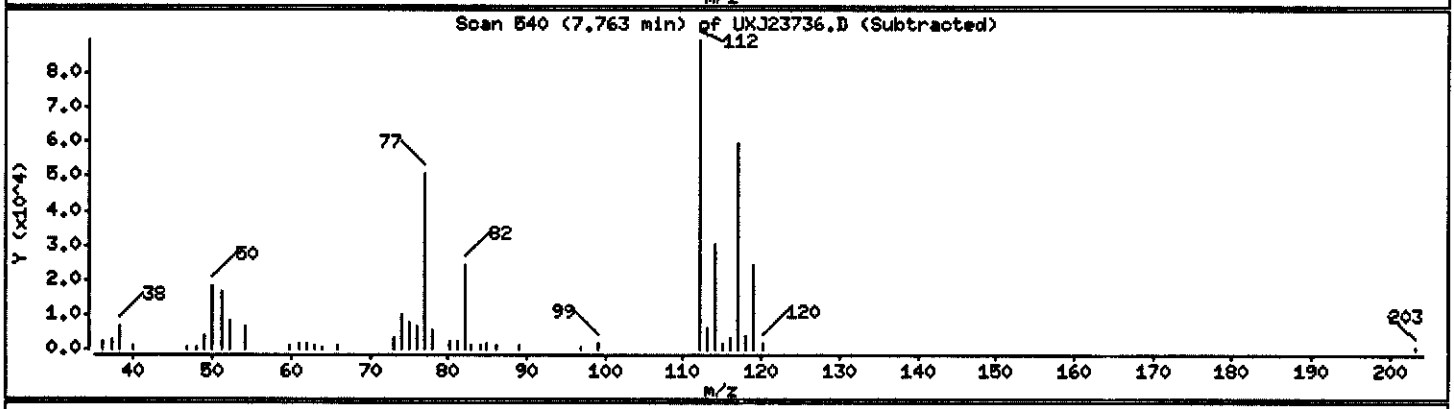
Sample Info: GPGDK1AA,0.5ML/5ML

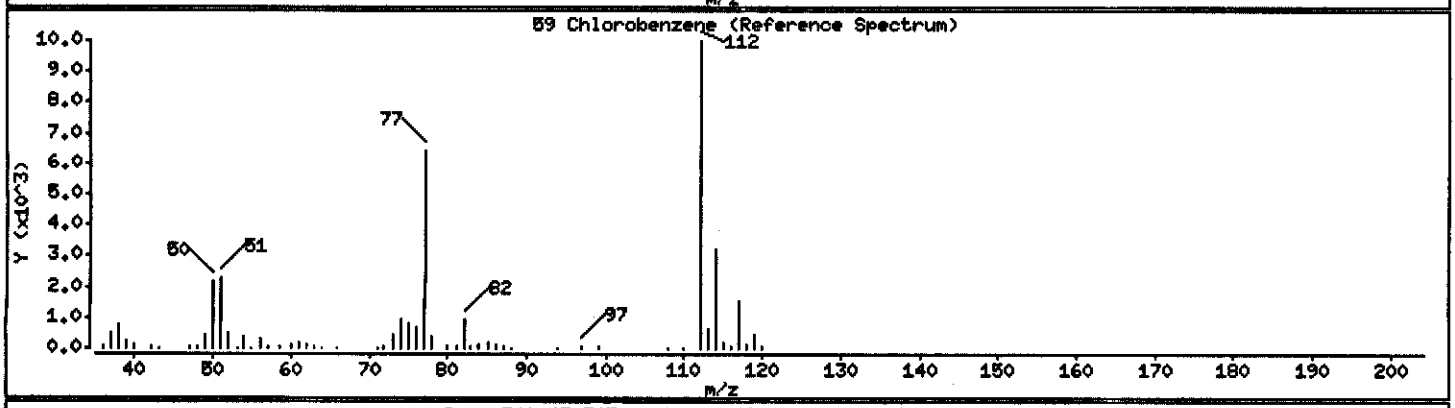
Purge Volume: 0.5 Operator: 43582

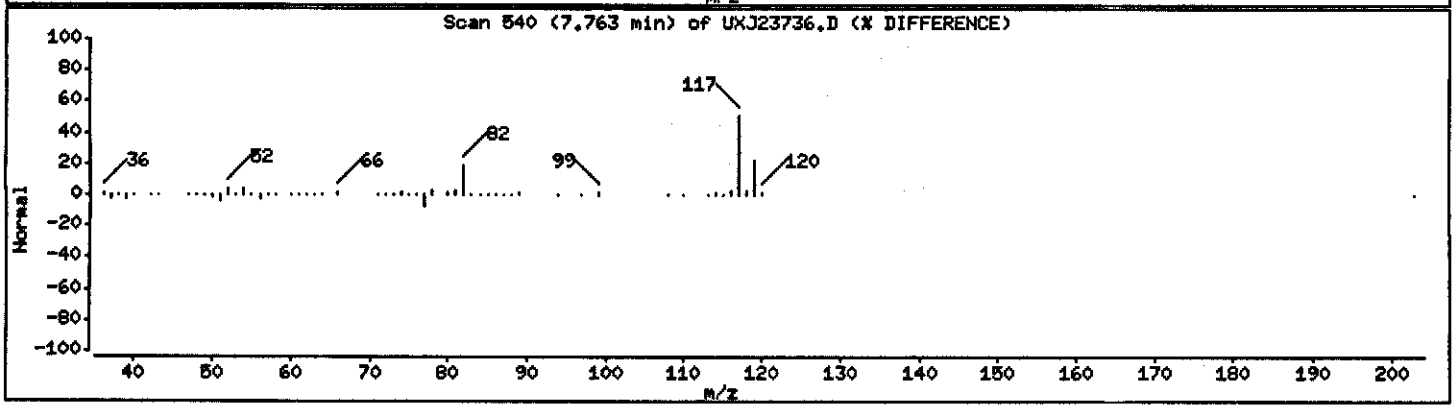
Column phase: DB624 Column diameter: 0.18

59 Chlorobenzene Concentration: 14.363 ug/L









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Date : 03-SEP-2004 11:22

Client ID: MW-12/090104

Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5

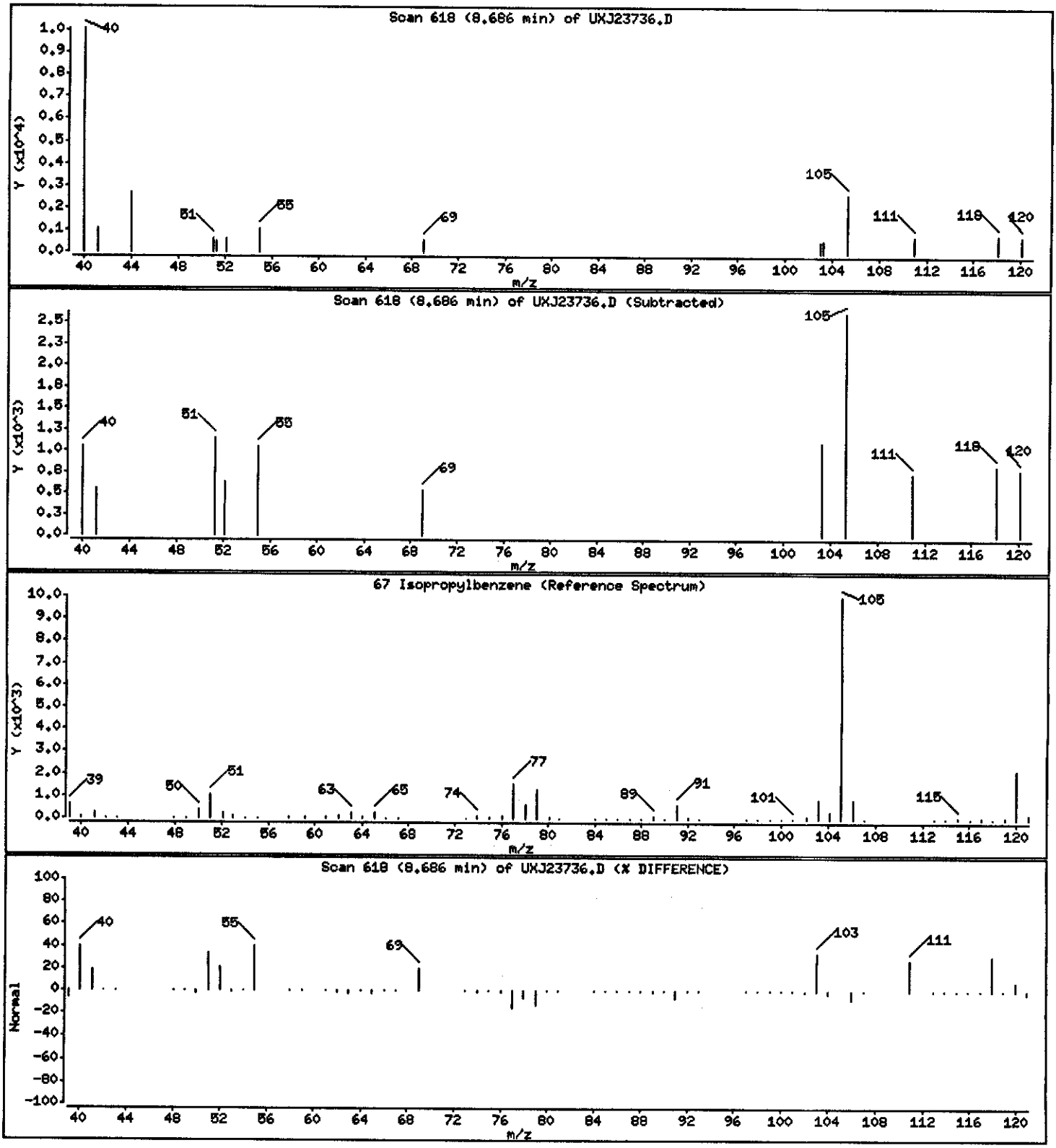
Operator: 43582

Column phase: DB624

Column diameter: 0.18

67 Isopropylbenzene

Concentration: 5.504 ug/L



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Date : 03-SEP-2004 11:22

Client ID: MW-12/090104

Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5

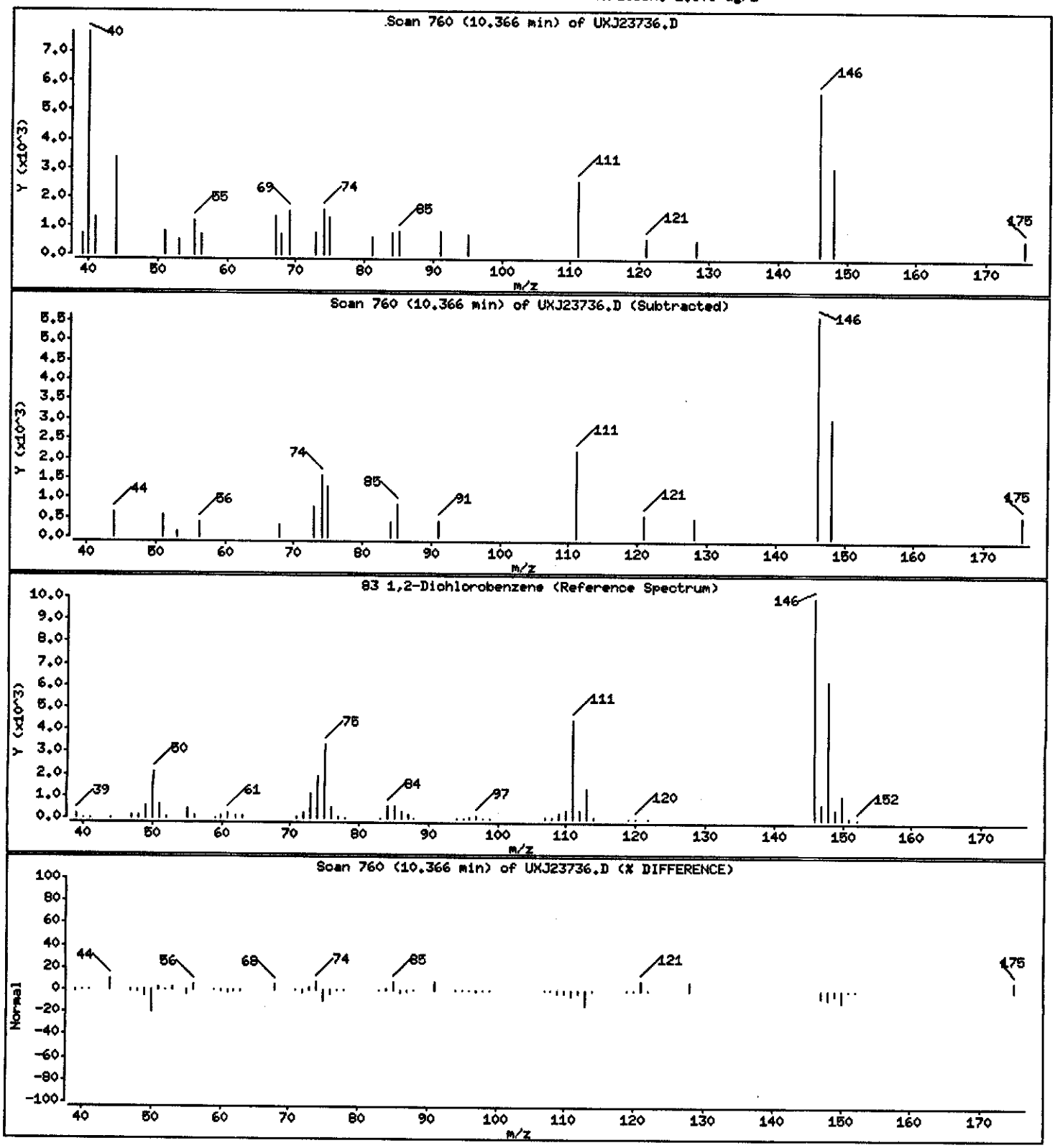
Operator: 43582

Column phase: DB624

Column diameter: 0.18

83 1,2-Dichlorobenzene

Concentration: 1.608 ug/L



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Date : 03-SEP-2004 11:22

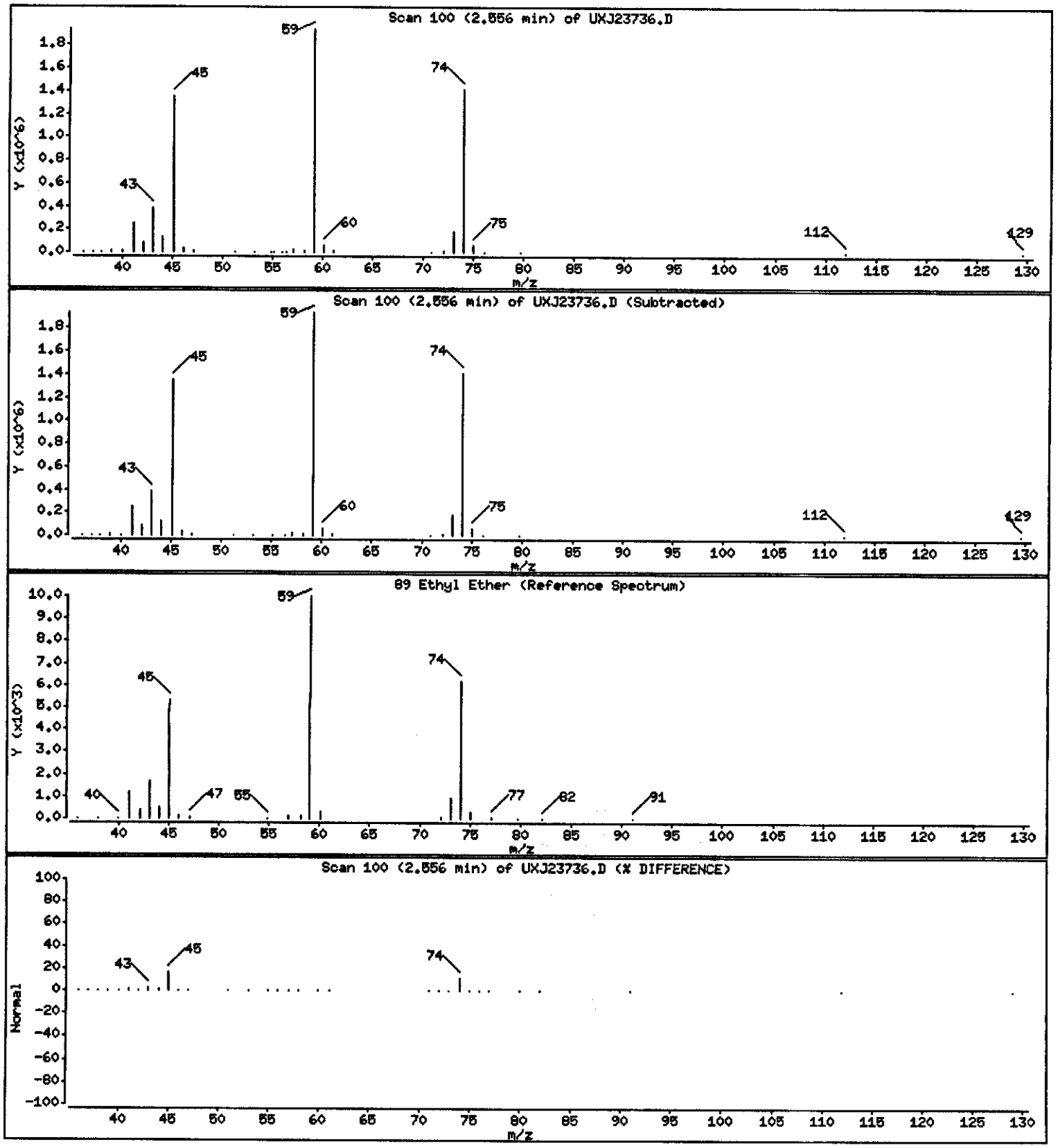
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 946.72 ug/L



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Date : 03-SEP-2004 11:22

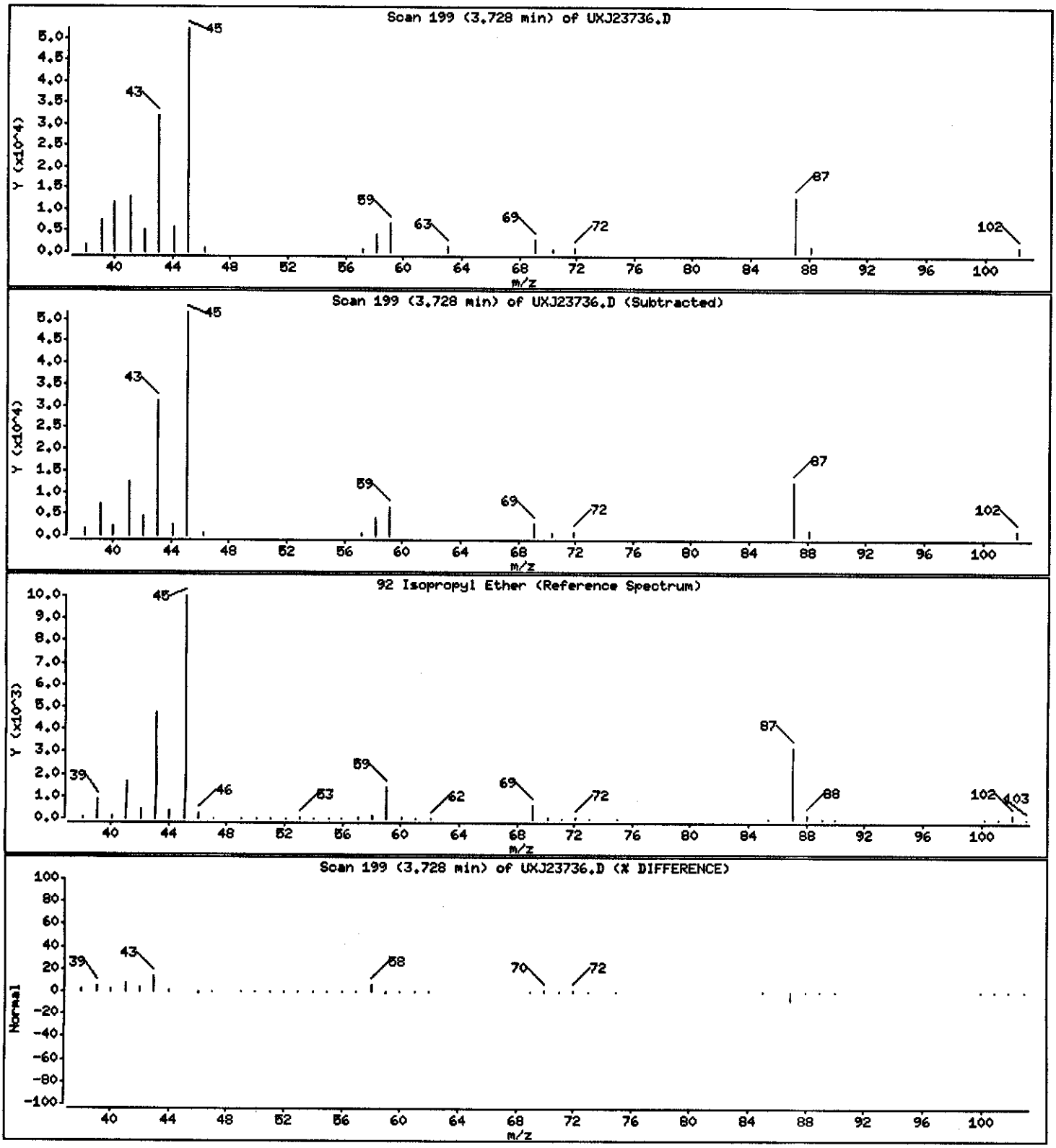
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

92 Isopropyl Ether Concentration: 7.032 ug/L



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Date : 03-SEP-2004 11:22

Client ID: MW-12/090104

Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5

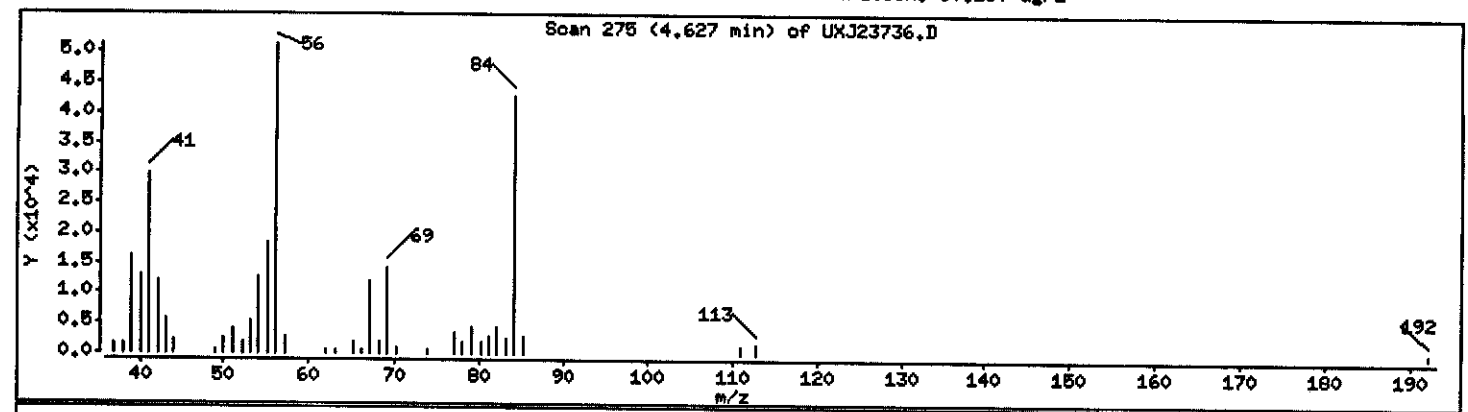
Operator: 43582

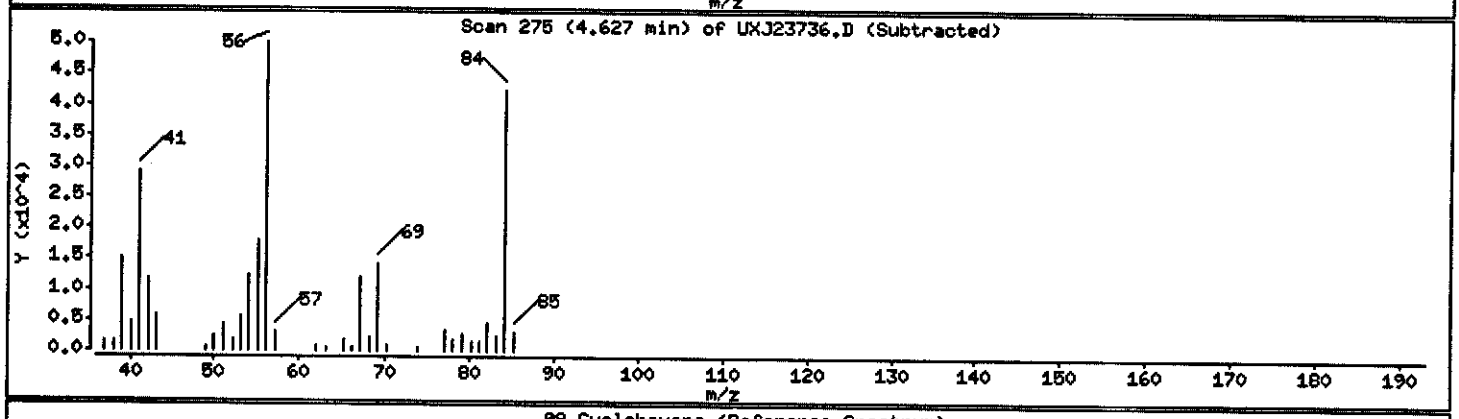
Column phase: DB624

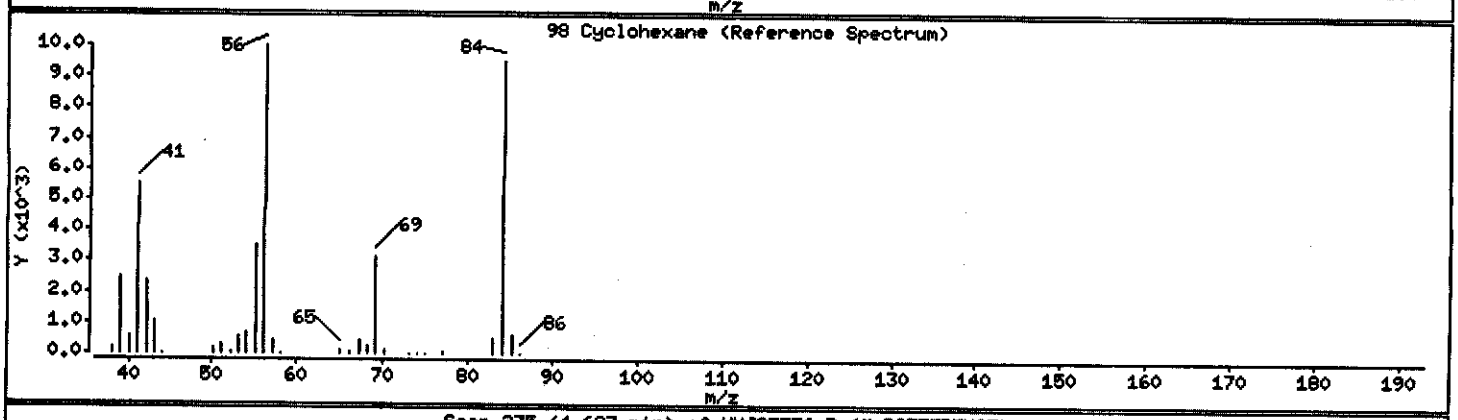
Column diameter: 0.18

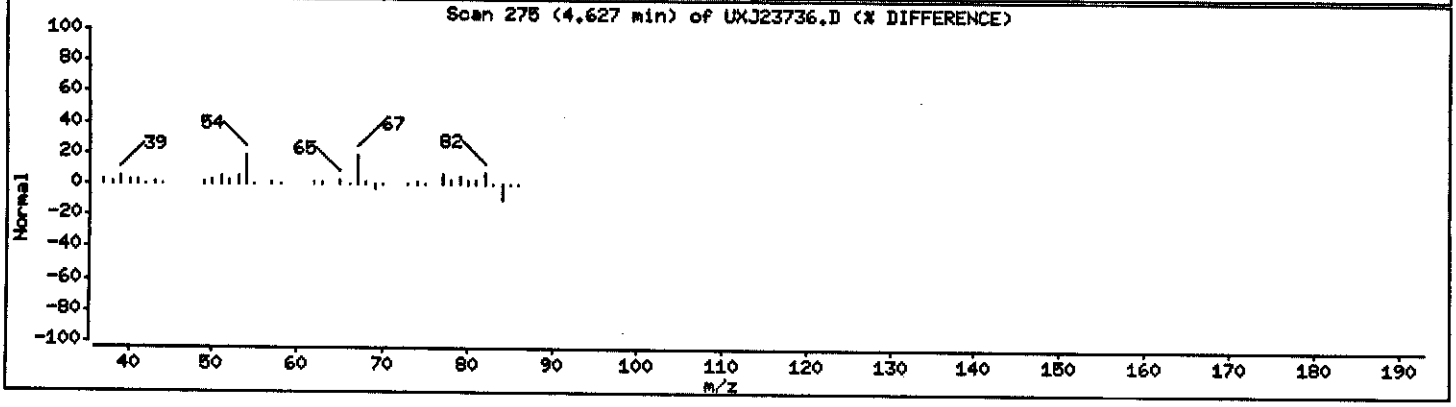
98 Cyclohexane

Concentration: 30.130 ug/L









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Date : 03-SEP-2004 11:22

Client ID: MW-12/090104

Instrument: a3ux11.i

Sample Info: GPGDK1AA,0.5ML/5ML

Purge Volume: 0.5

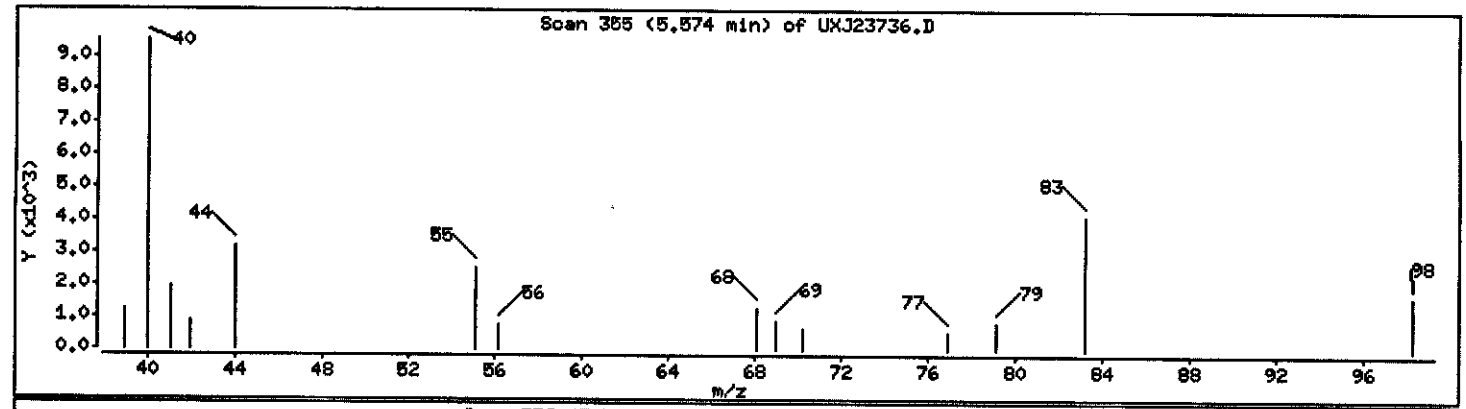
Operator: 43582

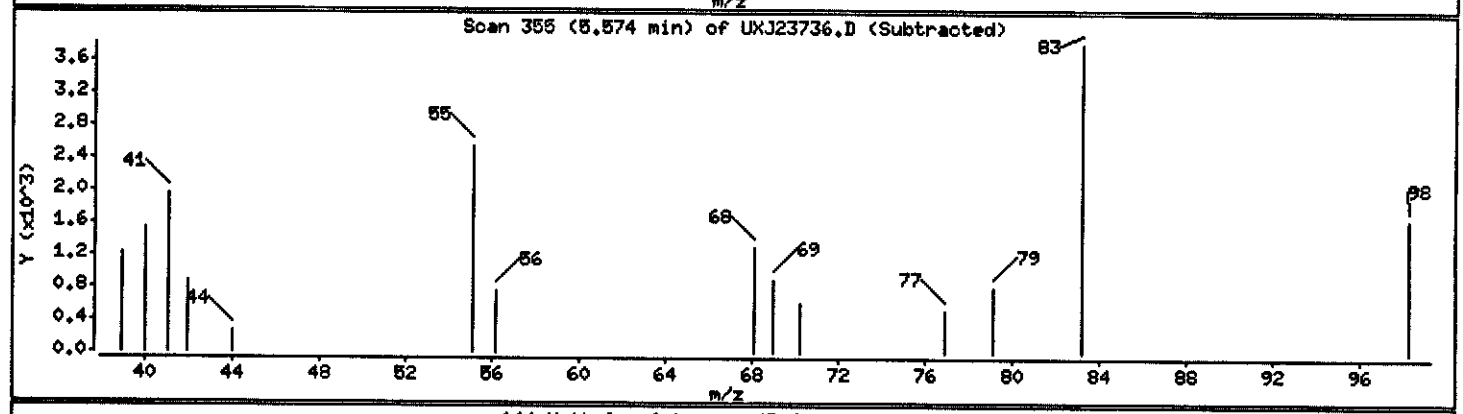
Column phase: DB624

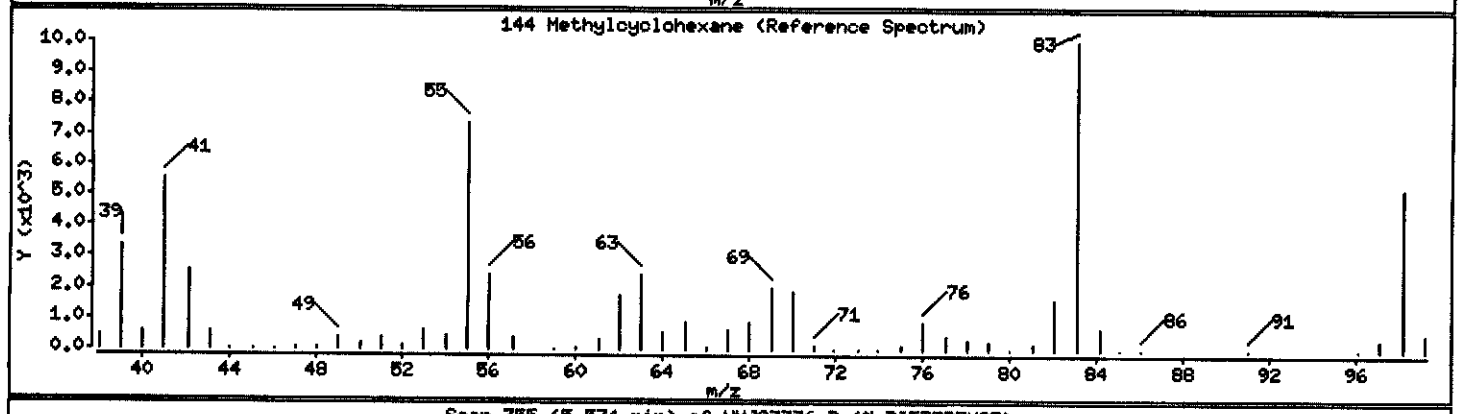
Column diameter: 0.18

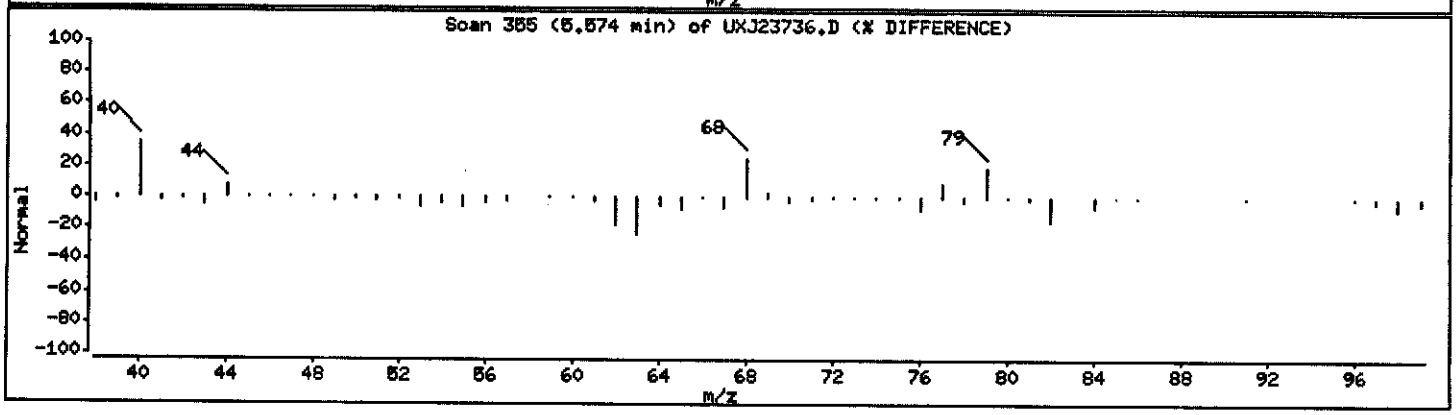
144 Methylcyclohexane

Concentration: 11.385 ug/L









PAYNE FIRM INC.

Client Sample ID: MW-12/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-003 **Work Order #...:** GPGDK2AA **Matrix.....:** WG
Date Sampled...: 09/01/04 10:35 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**59 E**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	**14**	**1.0**	**ug/L**
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	**2.7**	**1.0**	**ug/L**
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	**4.1**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**4.8**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**4.8**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**3800 E**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-12/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-003 **Work Order #...:** GPGDK2AA **Matrix.....:** WG

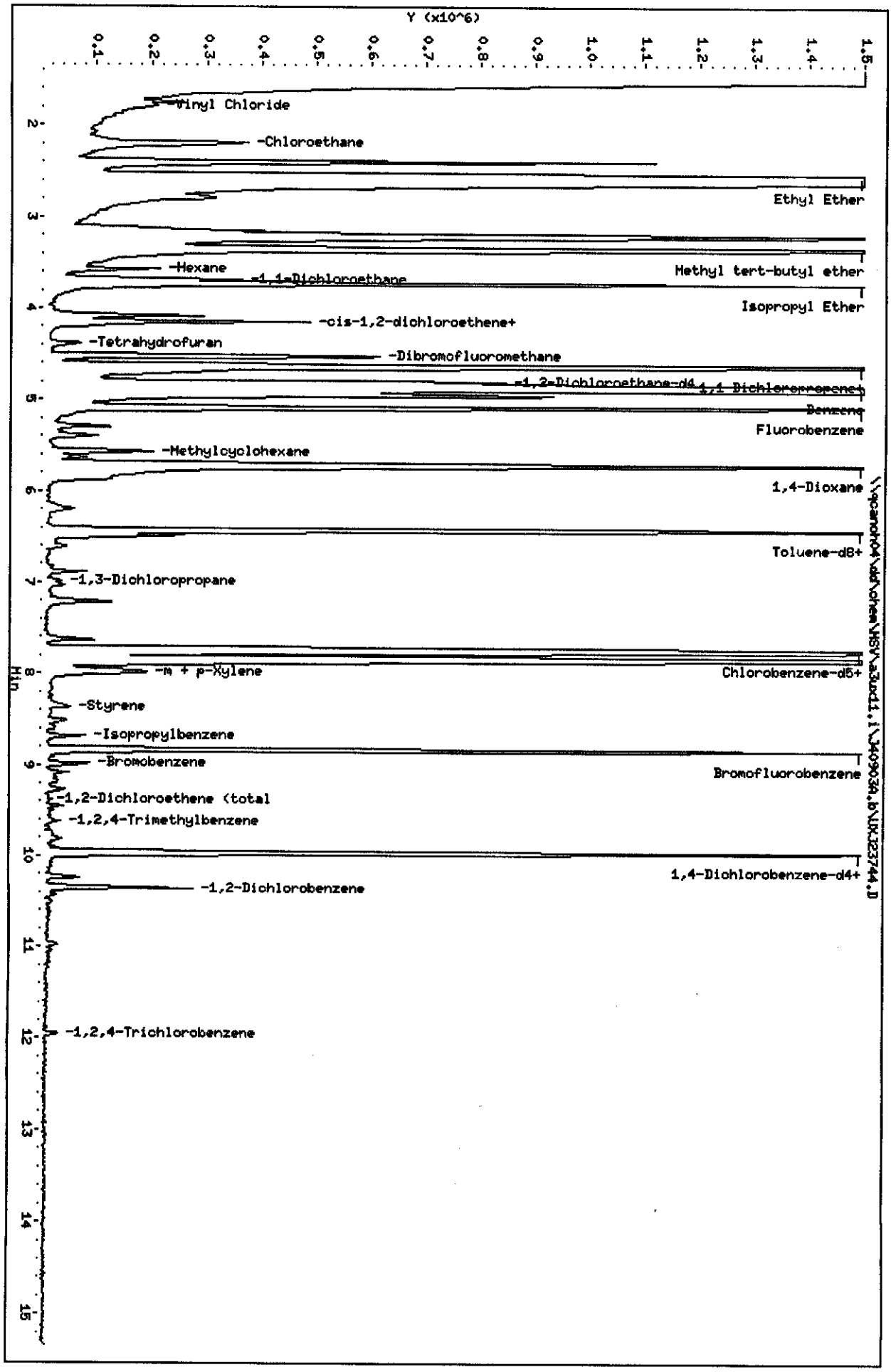
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	**0.46 J**	**1.0**	**ug/L**
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.80 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	**3.4**	**1.0**	**ug/L**
Xylenes (total)	**0.54 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J409030.b\UXJ23744.D
Date : 03-SEP-2004 14:24
Client ID: MW-12/090104
Sample Info: GPGUK2AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Vinyl Chloride
-Chloroethane
Ethyl Ether
-Hexane
-1,1-Dichloroethane
Methyl tert-butyl ether
Isopropyl Ether
-cis-1,2-dichloroethene+
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
Benzene
Fluorobenzene
-Methylcyclohexane
1,4-Dioxane
Toluene-d8+
-1,3-Dichloropropane
-m + p-Xylene
Chlorobenzene-d5+
-Styrene
-Isopropylbenzene
-Bromobenzene
Bromofluorobenzene
1,2-Dichloroethene (total
-1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J409030.b\UXJ23744.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23744.D
Report Date: 07-Sep-2004 09:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23744.D
Lab Smp Id: GPGDK2AA Client Smp ID: MW-12/090104
Inj Date : 03-SEP-2004 14:24
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDK2AA,5ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1930252	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1358777	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	656576	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	441531	48.6053	9.721
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	597148	49.6365	9.927
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	1637586	50.3036	10.061
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	616436	44.6806	8.936
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.787	1.787	(0.351)	138676	17.0637	3.413
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	2.154	2.154	(0.423)	87072	13.6330	2.726
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23744.D
Report Date: 07-Sep-2004 09:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	3144080	140.590	28.118
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	3.574	3.574	(0.702)	12175	7.27857	1.456
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	359608	20.3773	4.075
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				247147	23.8550	4.771
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	247147	23.8550	4.771
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	40000	12.6498	2.530
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	23003	1.95622	0.3912
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.864	4.863	(0.956)	12906696	297.063	59.413(A)
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.715	5.680	(1.123)	2359625	19118.8	3823.8(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.485	6.484	(0.839)	153087	3.98764	0.7975
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	6.982	6.981	(0.904)	13478	0.85254	0.1705
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.763	7.762	(1.005)	1839862	69.1660	13.833
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	7.964	7.964	(1.031)	43630	2.70757	0.5415
M	63 Xylenes (total)	106				43630	2.70757	0.5415
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	8.354	8.354	(1.081)	2212	2.29339	0.4587
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23744.D
Report Date: 07-Sep-2004 09:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.686	8.685	(1.124)	50445	3.91353	0.7827
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	8.993	8.993	(0.903)	25478	2.66943	0.5339
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	14031	2.77485	0.5550
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	46914	2.45800	0.4916
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	130515	7.52466	1.505
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	9458	1.45591	0.2912
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.544	2.556	(0.500)	28207107	2963.61	592.72(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.728	3.728	(0.733)	388643	45.0368	9.007
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.189	4.189	(0.823)	75788	8.01021	1.602
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	1705617	115.706	23.141
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	65132	10.4491	2.090
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23744.D

Date : 03-SEP-2004 14:24

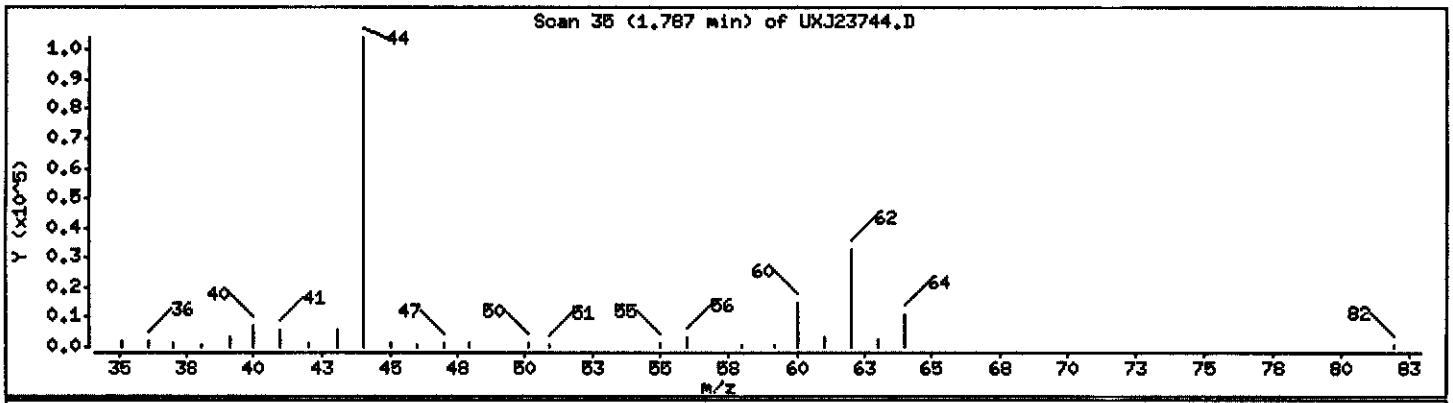
Client ID: MW-12/090104 Instrument: a3ux11.i

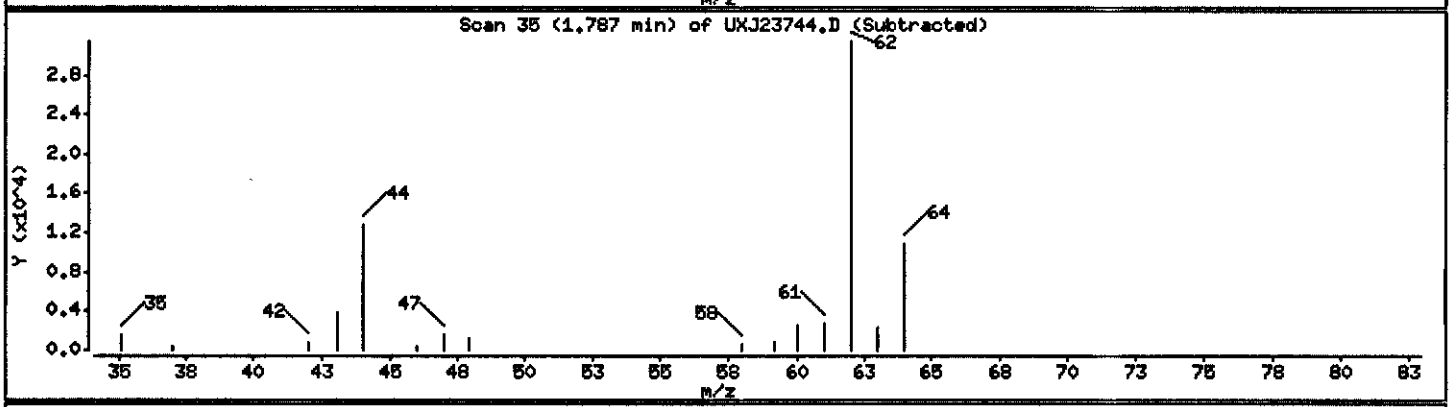
Sample Info: GPGDK2AA,5ML/5ML

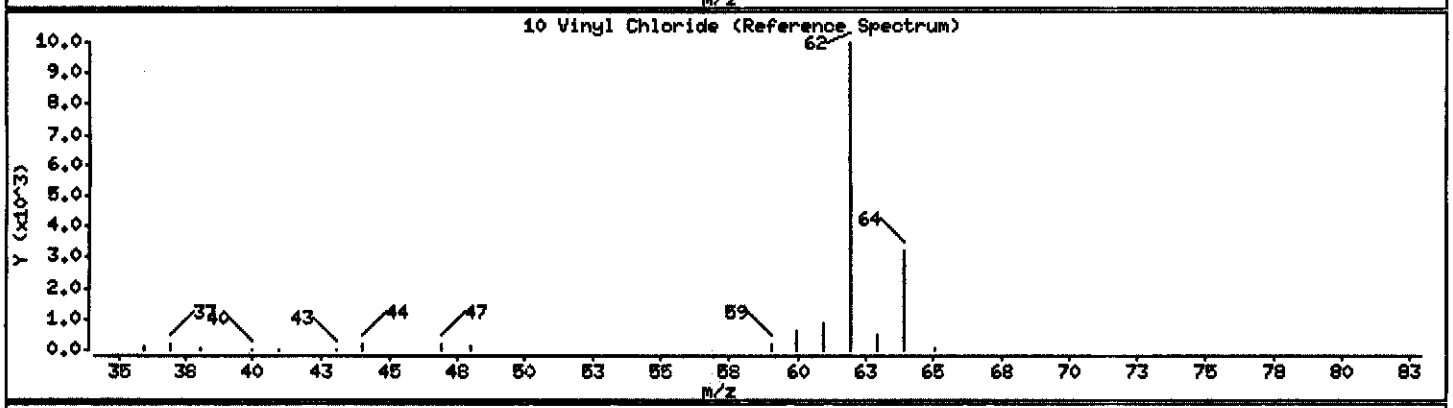
Purge Volume: 5.0 Operator: 43582

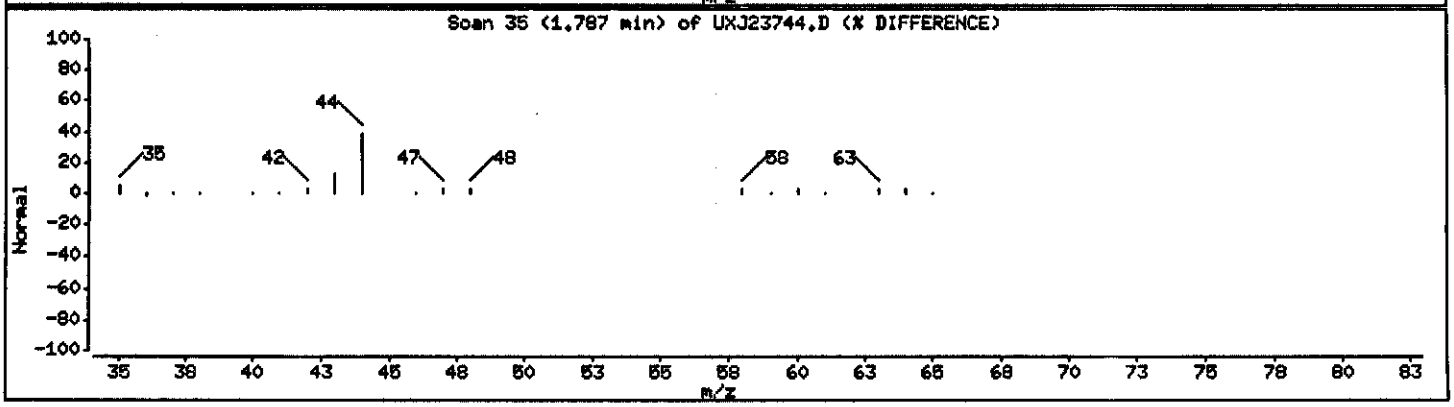
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 3.413 ug/L









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Date : 03-SEP-2004 14:24

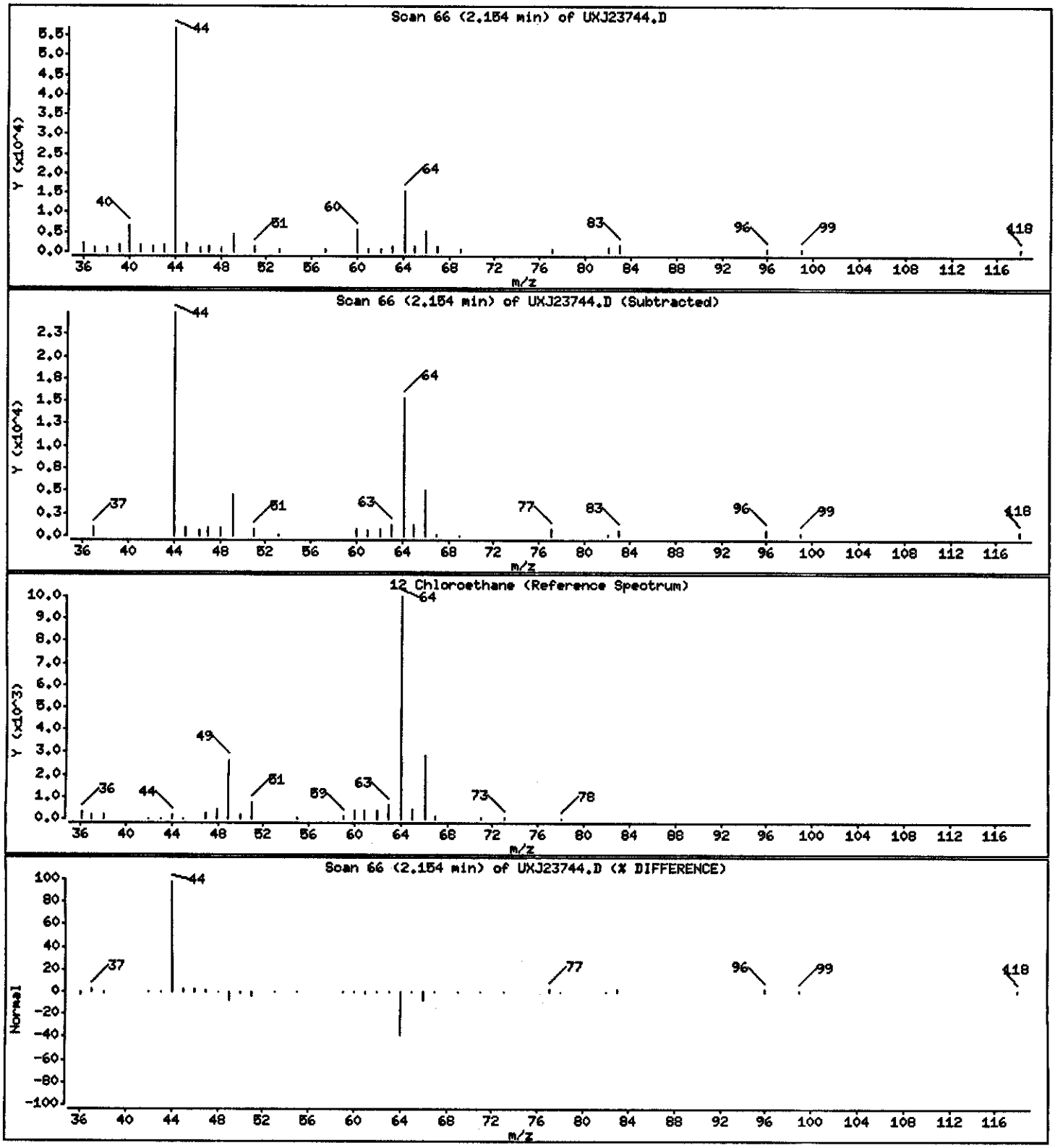
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

12 Chloroethane Concentration: 2.726 ug/L



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Date : 03-SEP-2004 14:24

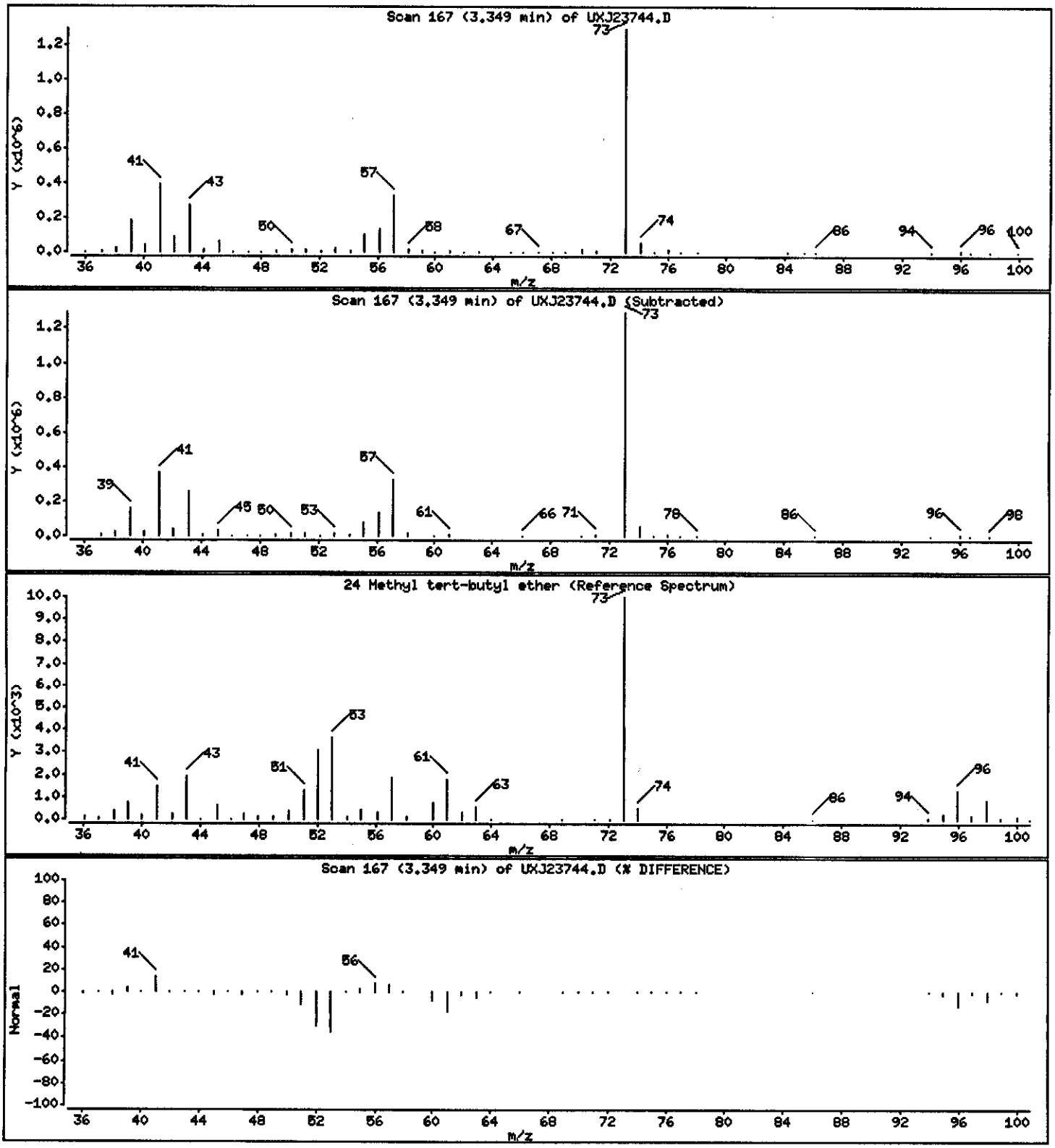
Client ID: MW-12/090104 | Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

24 Methyl tert-butyl ether | Concentration: 28.118 ug/L



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Date : 03-SEP-2004 14:24

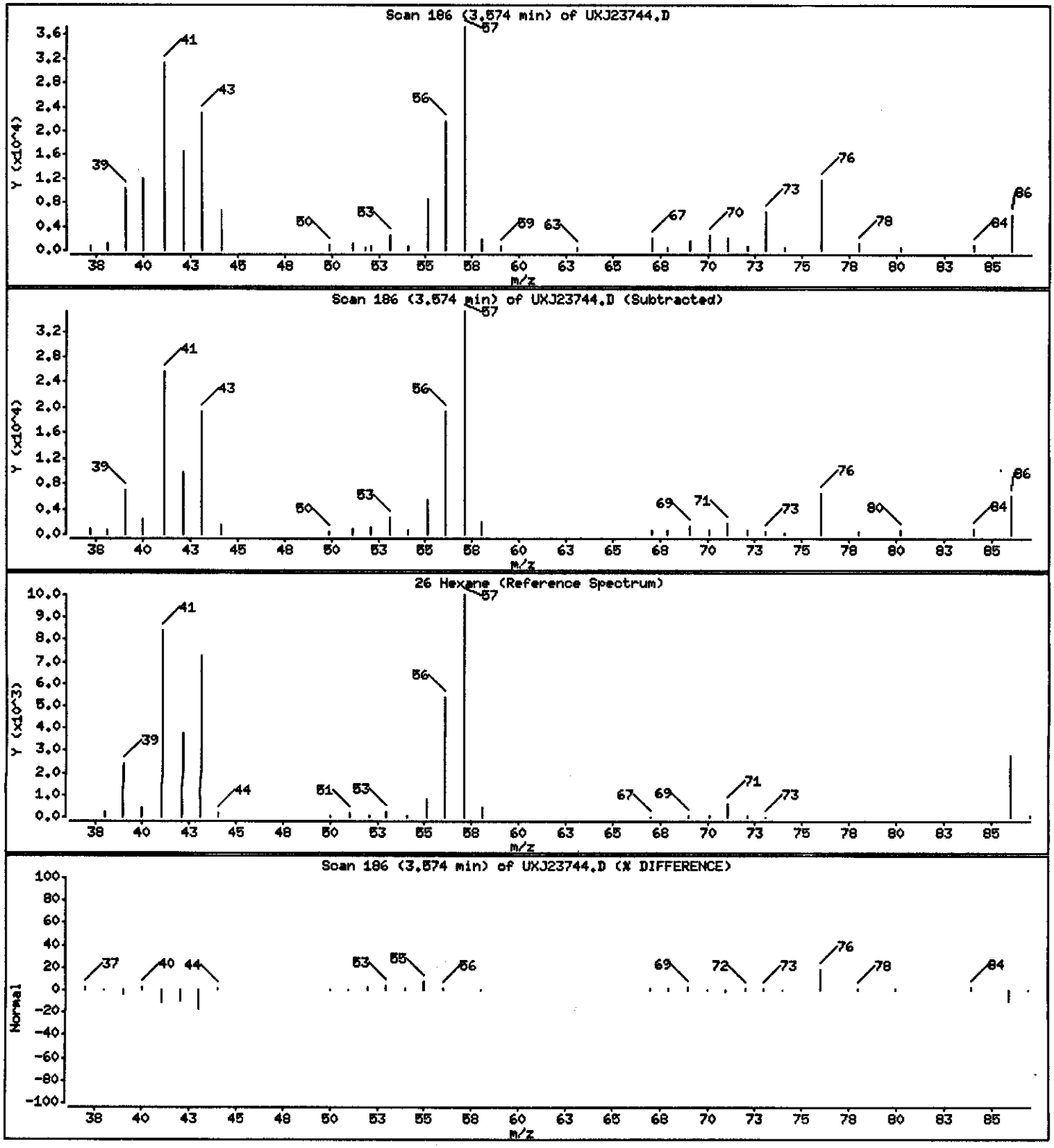
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: CPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 1.456 ug/L



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Date : 03-SEP-2004 14:24

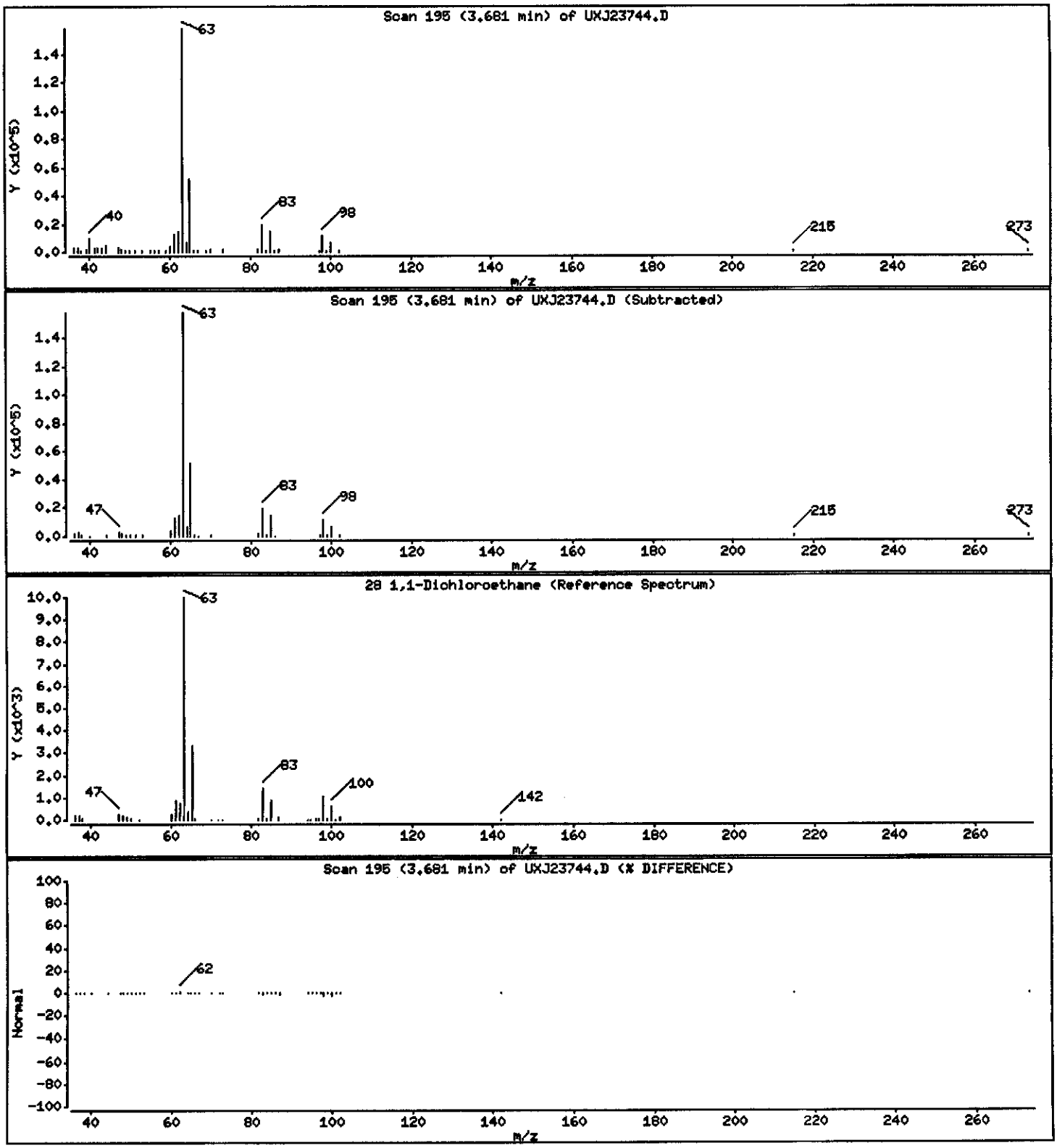
Client ID: MW-12/090104 | Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

28 1,1-Dichloroethane | Concentration: 4.075 ug/L



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Date : 03-SEP-2004 14:24

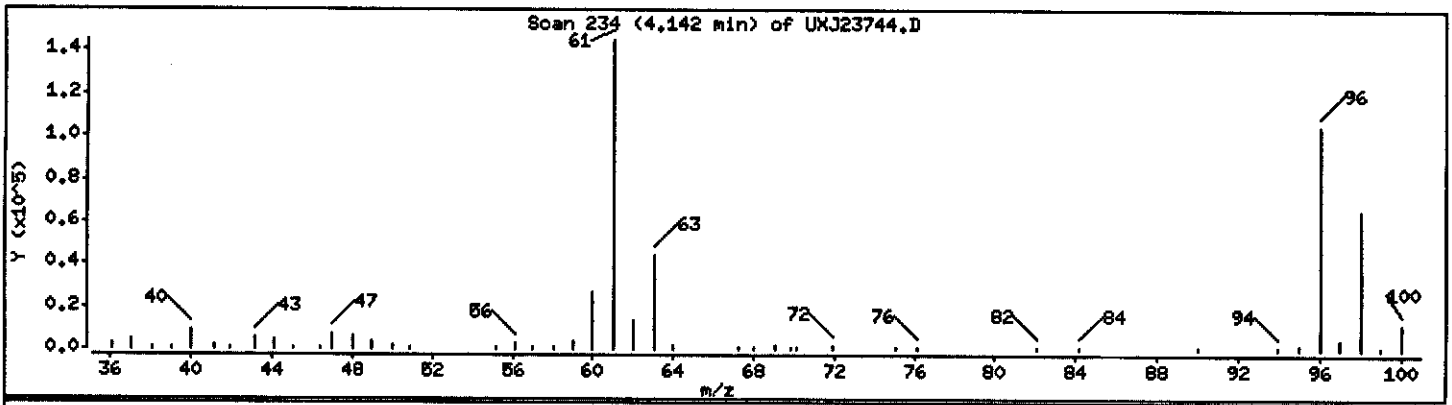
Client ID: MW-12/090104 Instrument: a3ux11.i

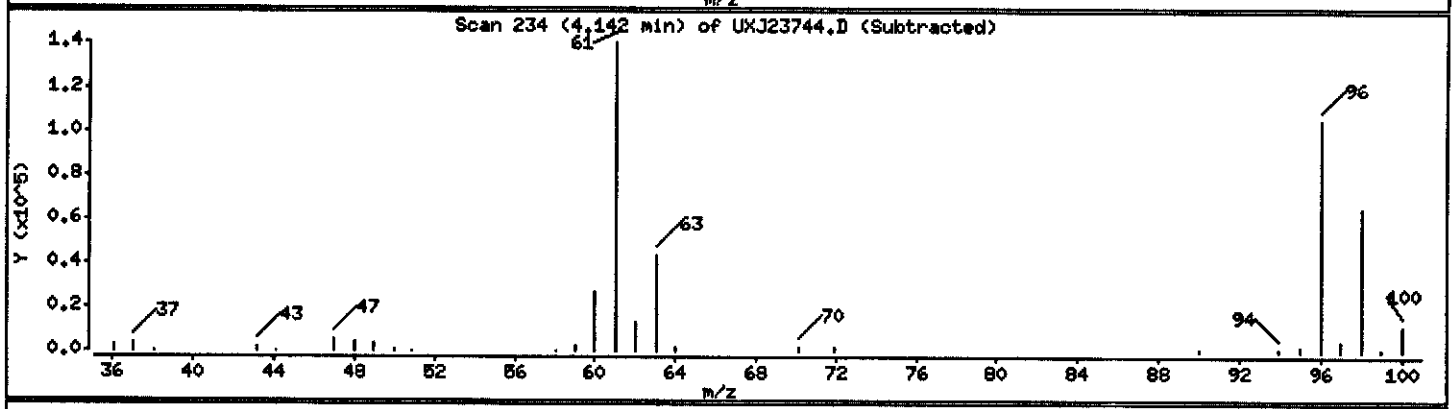
Sample Info: GPGDK2AA,5ML/5ML

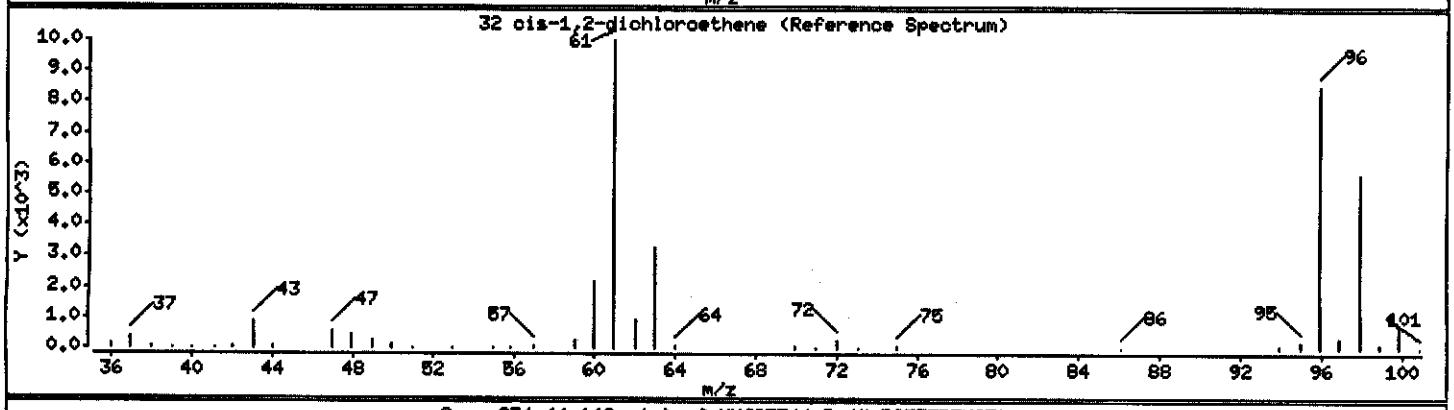
Purge Volume: 5.0 Operator: 43582

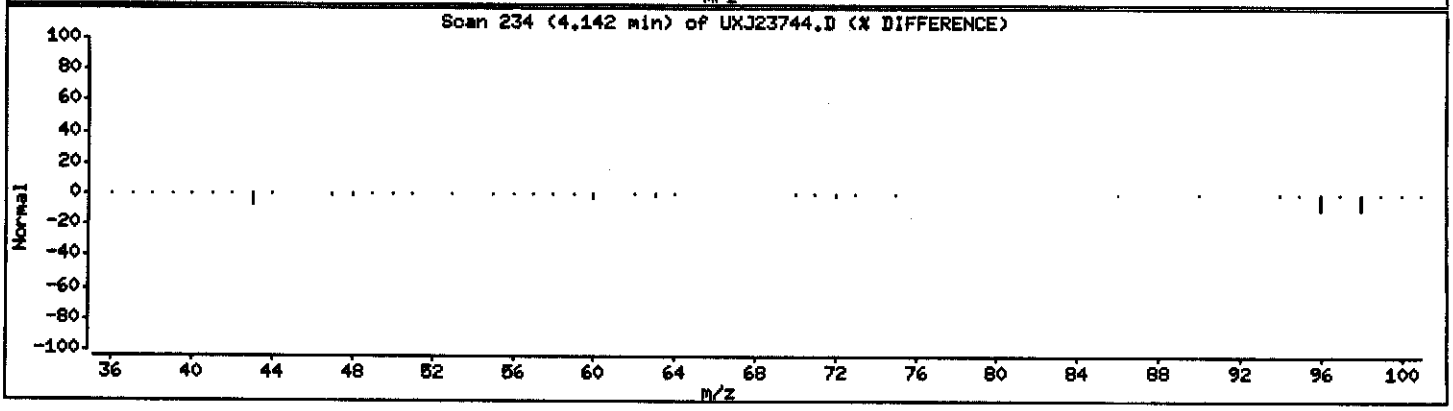
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 4.771 ug/L









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Date : 03-SEP-2004 14:24

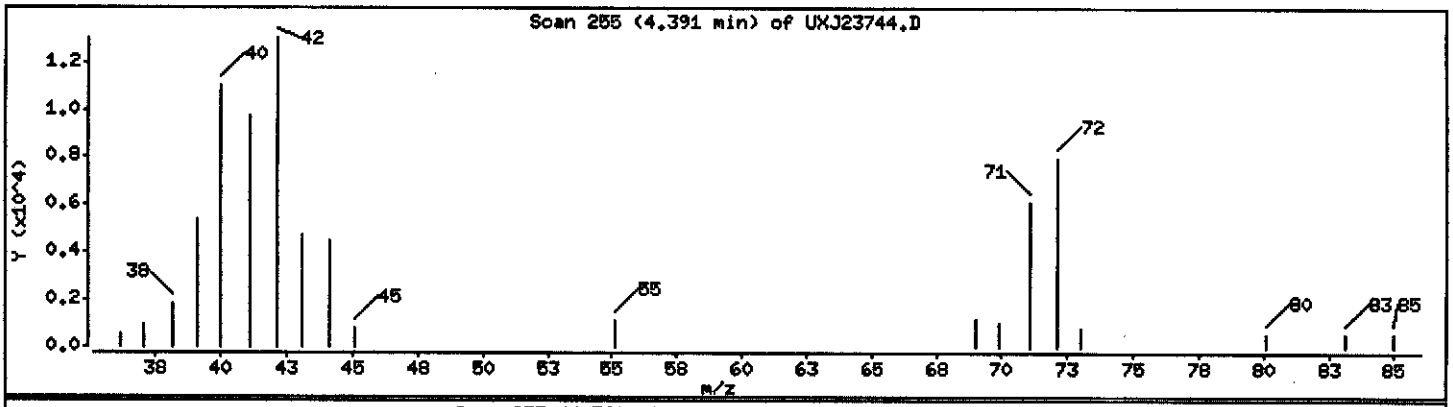
Client ID: MW-12/090104 Instrument: a3ux11.i

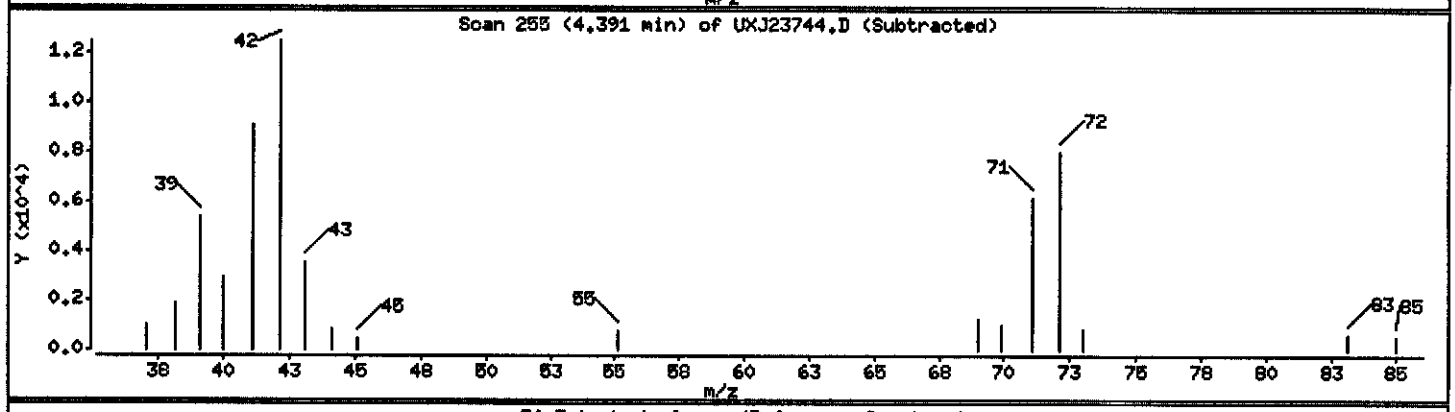
Sample Info: GPCDK2AA,5ML/5ML

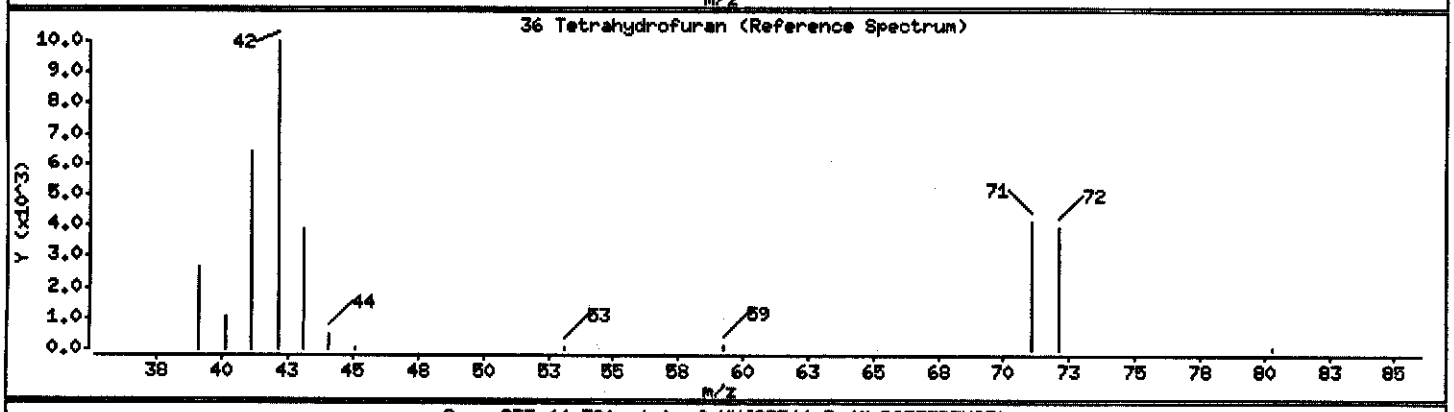
Purge Volume: 5.0 Operator: 43582

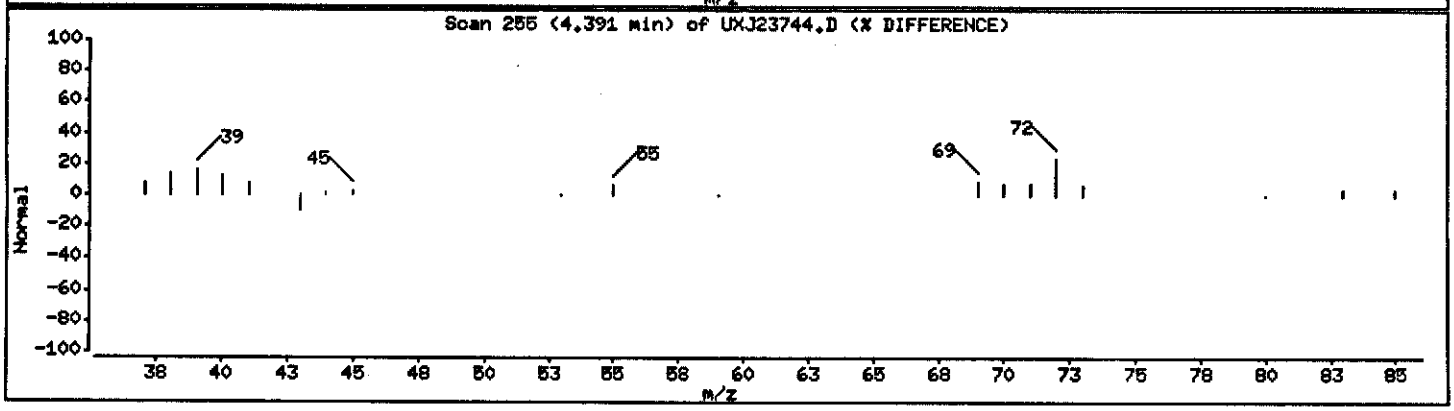
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 2.530 ug/L









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Date : 03-SEP-2004 14:24

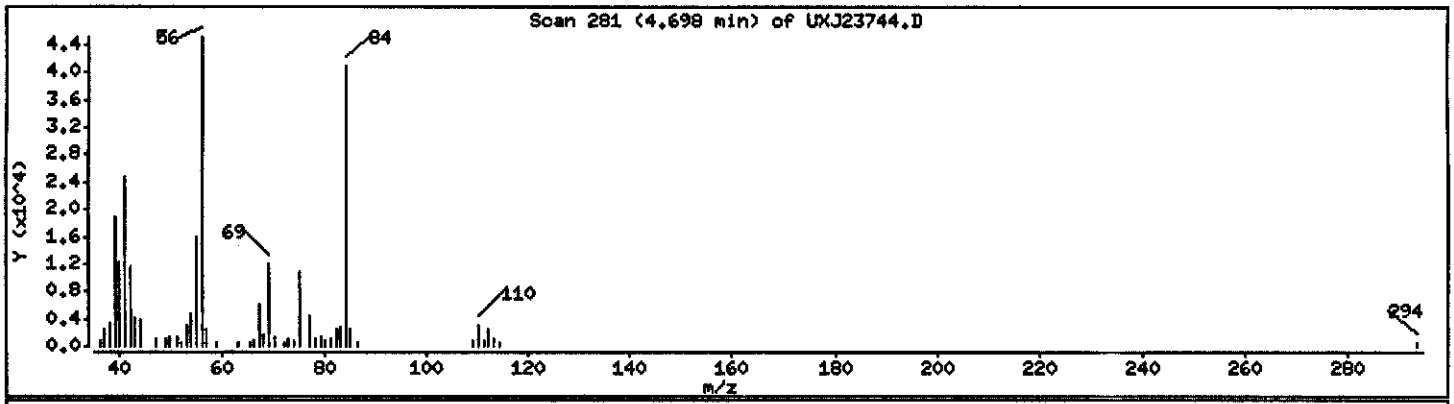
Client ID: MW-12/090104 Instrument: a3ux11.i

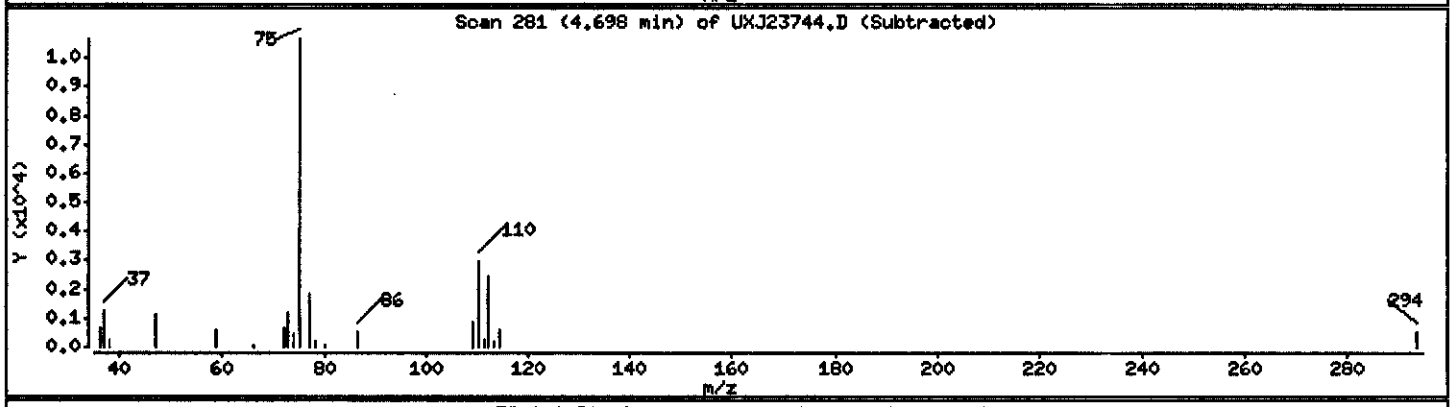
Sample Info: GPGDK2AA,5ML/5ML

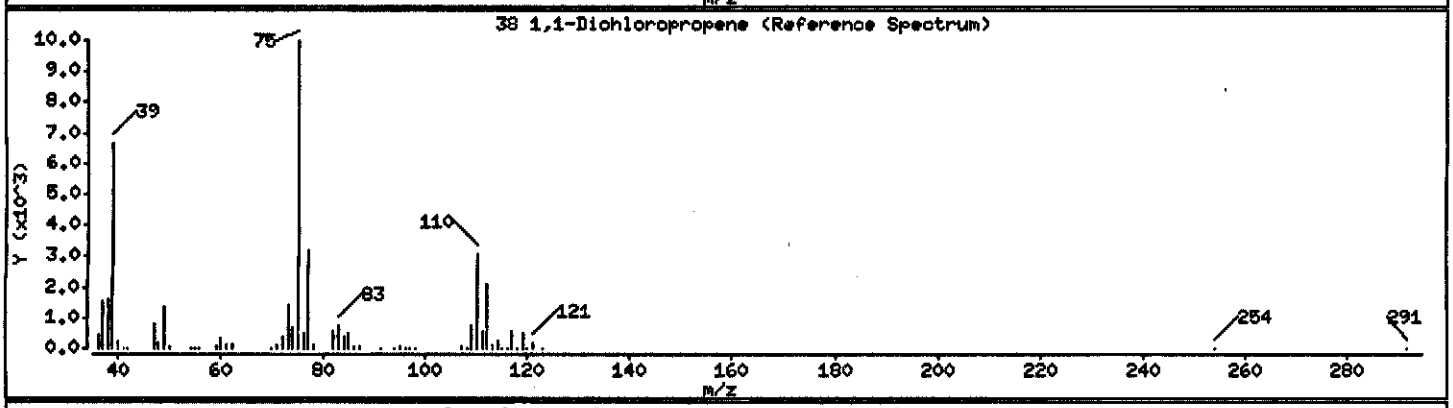
Purge Volume: 5.0 Operator: 43582

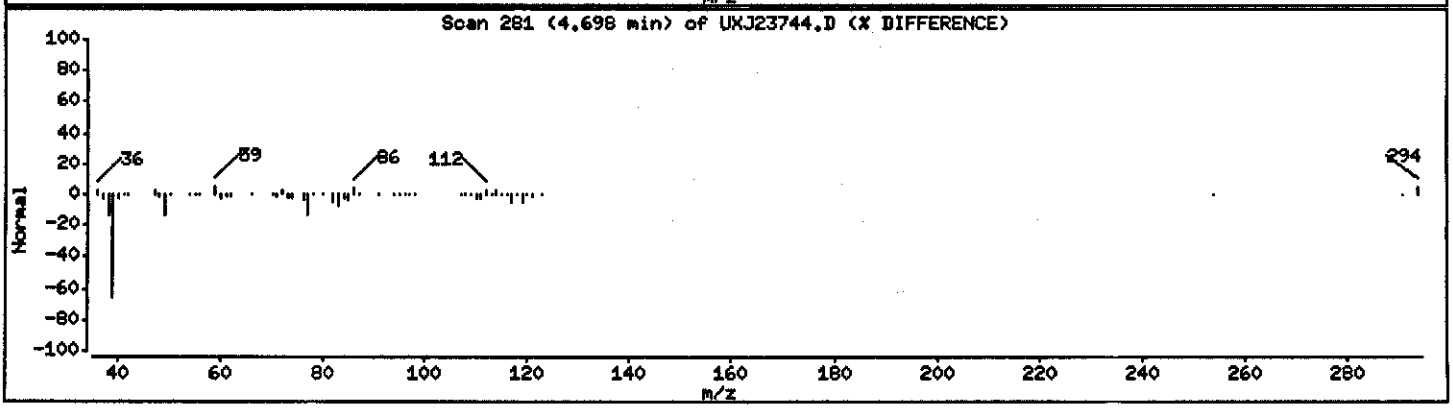
Column phase: DB624 Column diameter: 0.18

38 1,1-Dichloropropene Concentration: 0.3912 ug/L









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Date : 03-SEP-2004 14:24

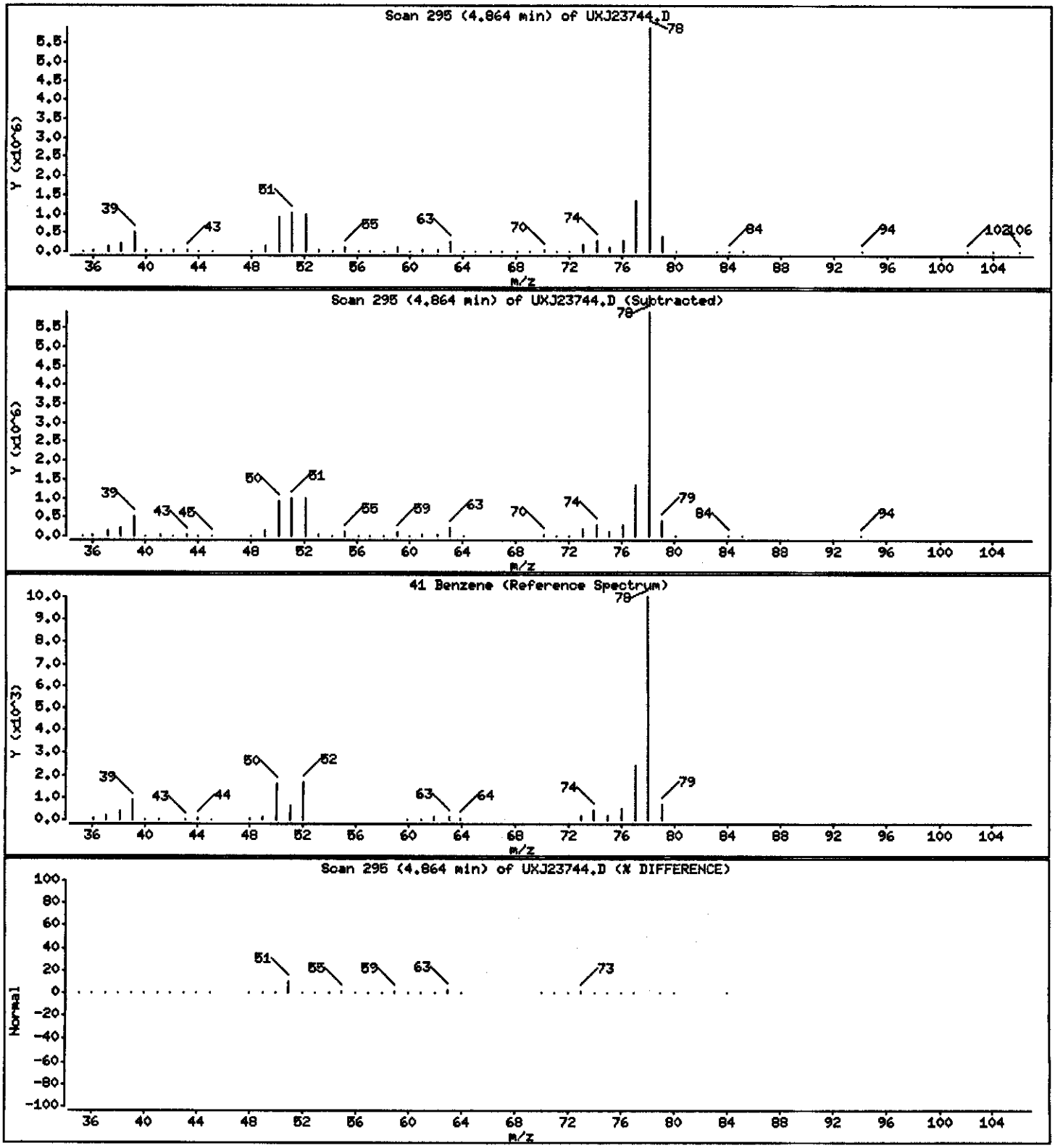
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 59.413 ug/L



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Date : 03-SEP-2004 14:24

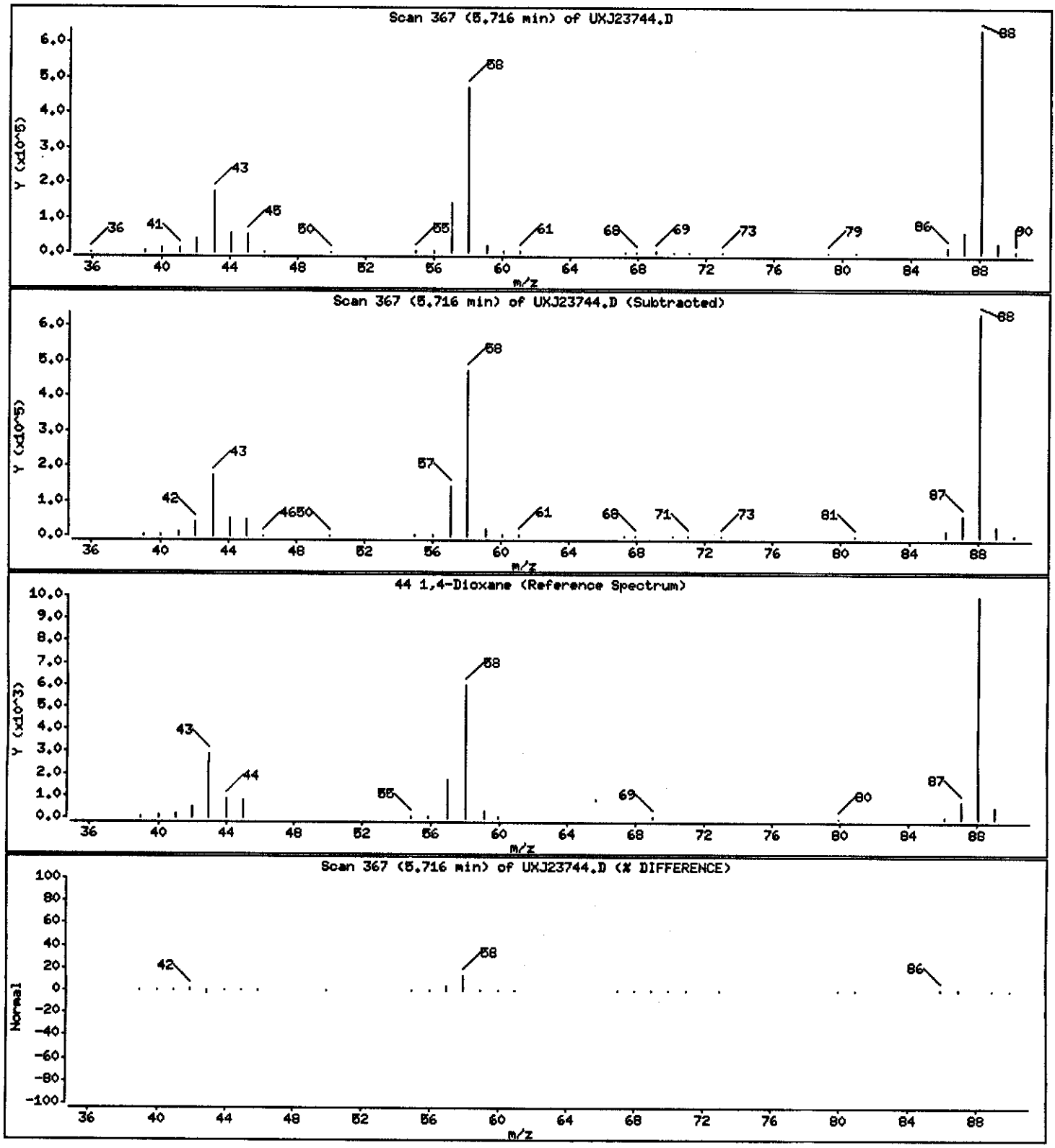
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 3823.8 ug/L



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Date : 03-SEP-2004 14:24

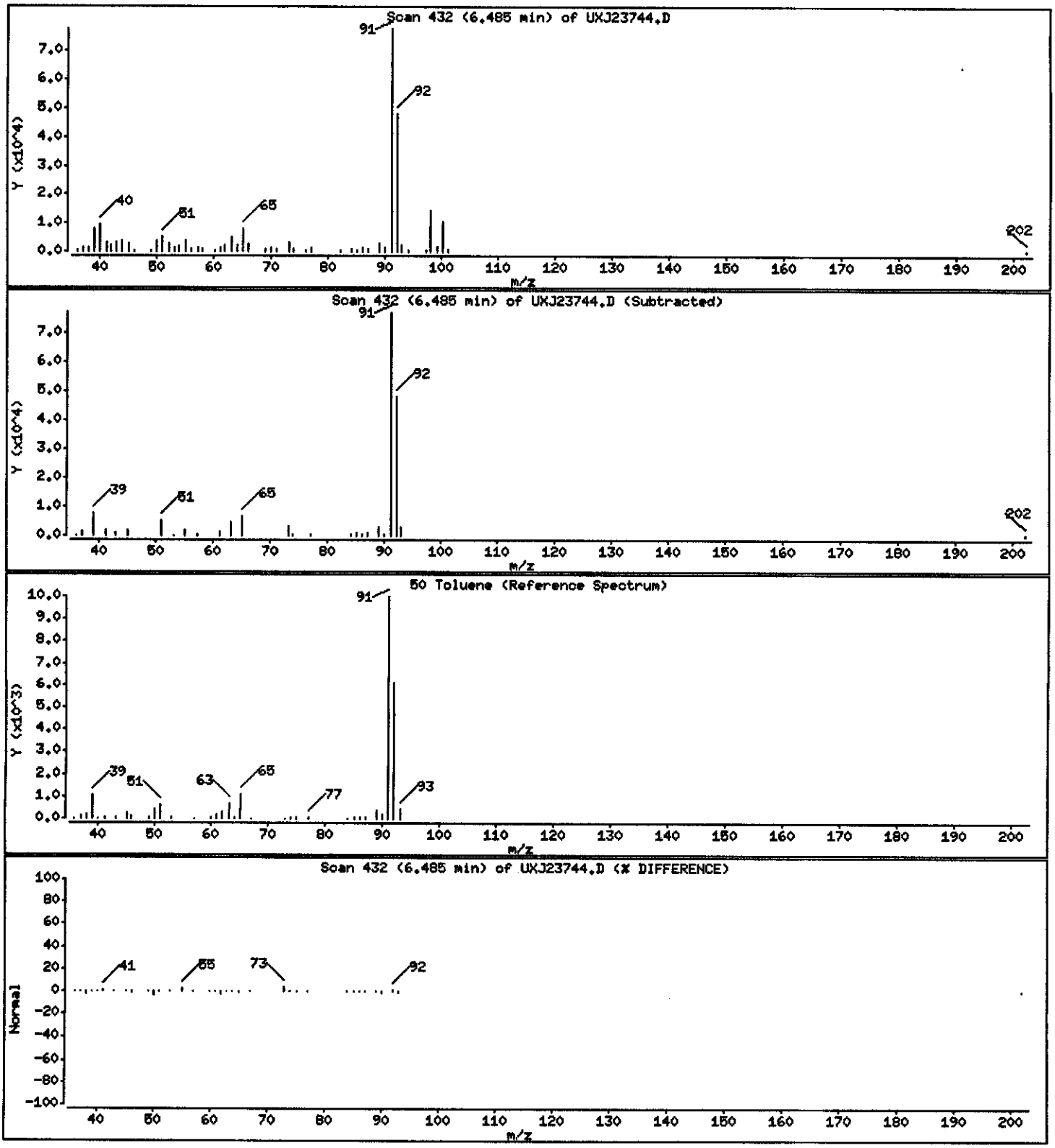
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.7975 ug/L



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Date : 03-SEP-2004 14:24

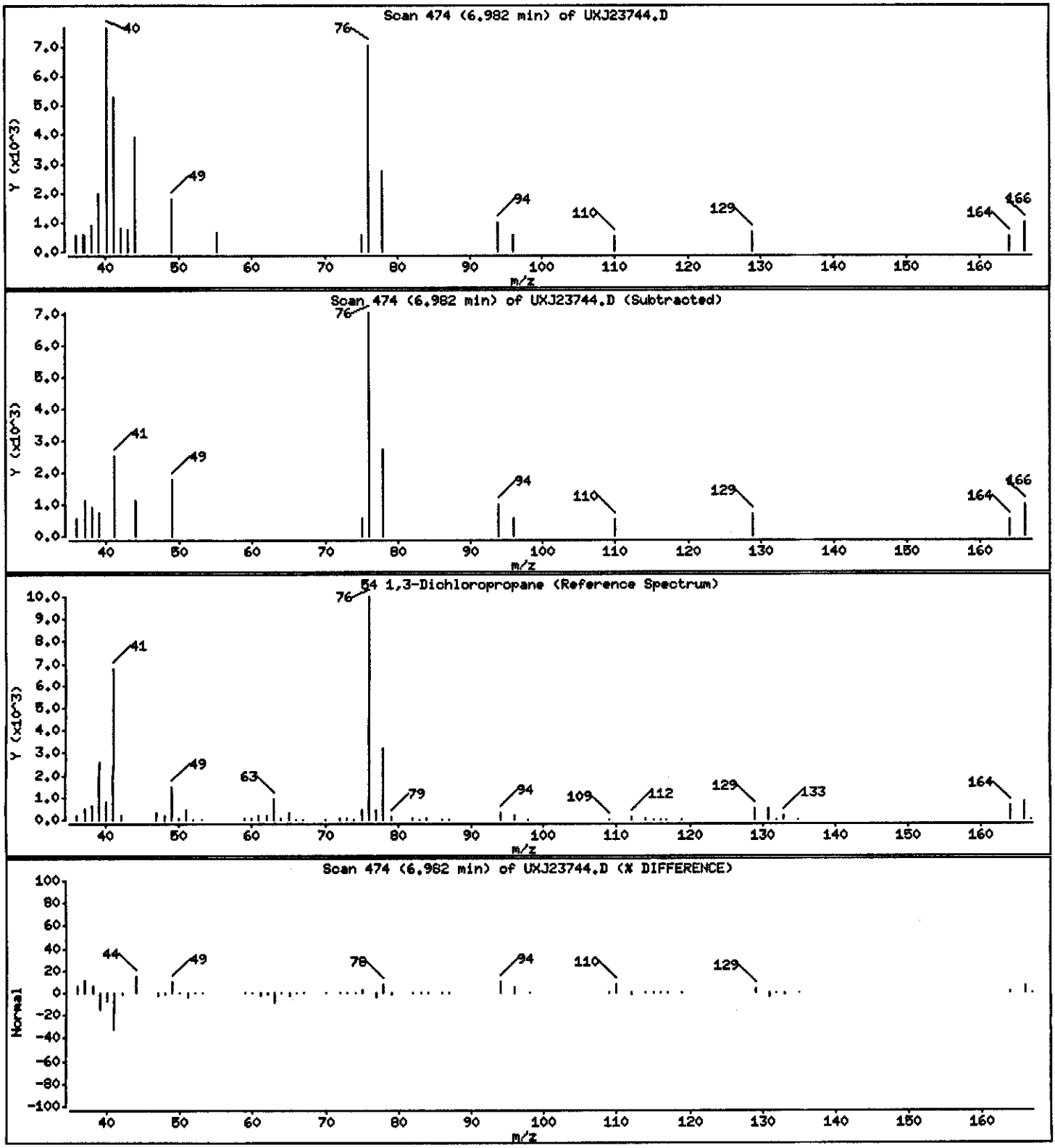
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

54 1,3-Dichloropropane Concentration: 0.1705 ug/L



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Date : 03-SEP-2004 14:24

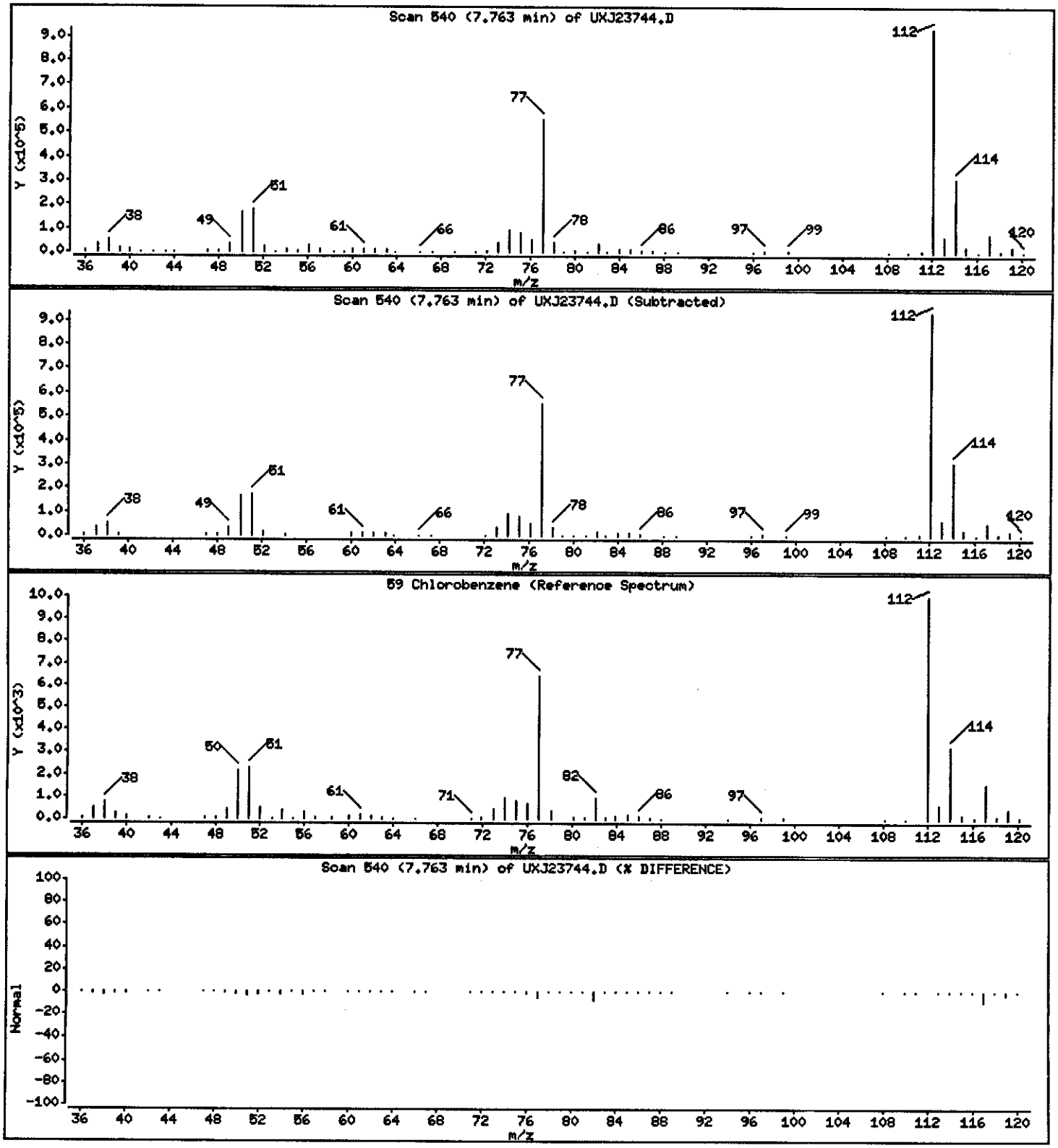
Client ID: MW-12/090104 | Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

59 Chlorobenzene | Concentration: 13.833 ug/L



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Date : 03-SEP-2004 14:24

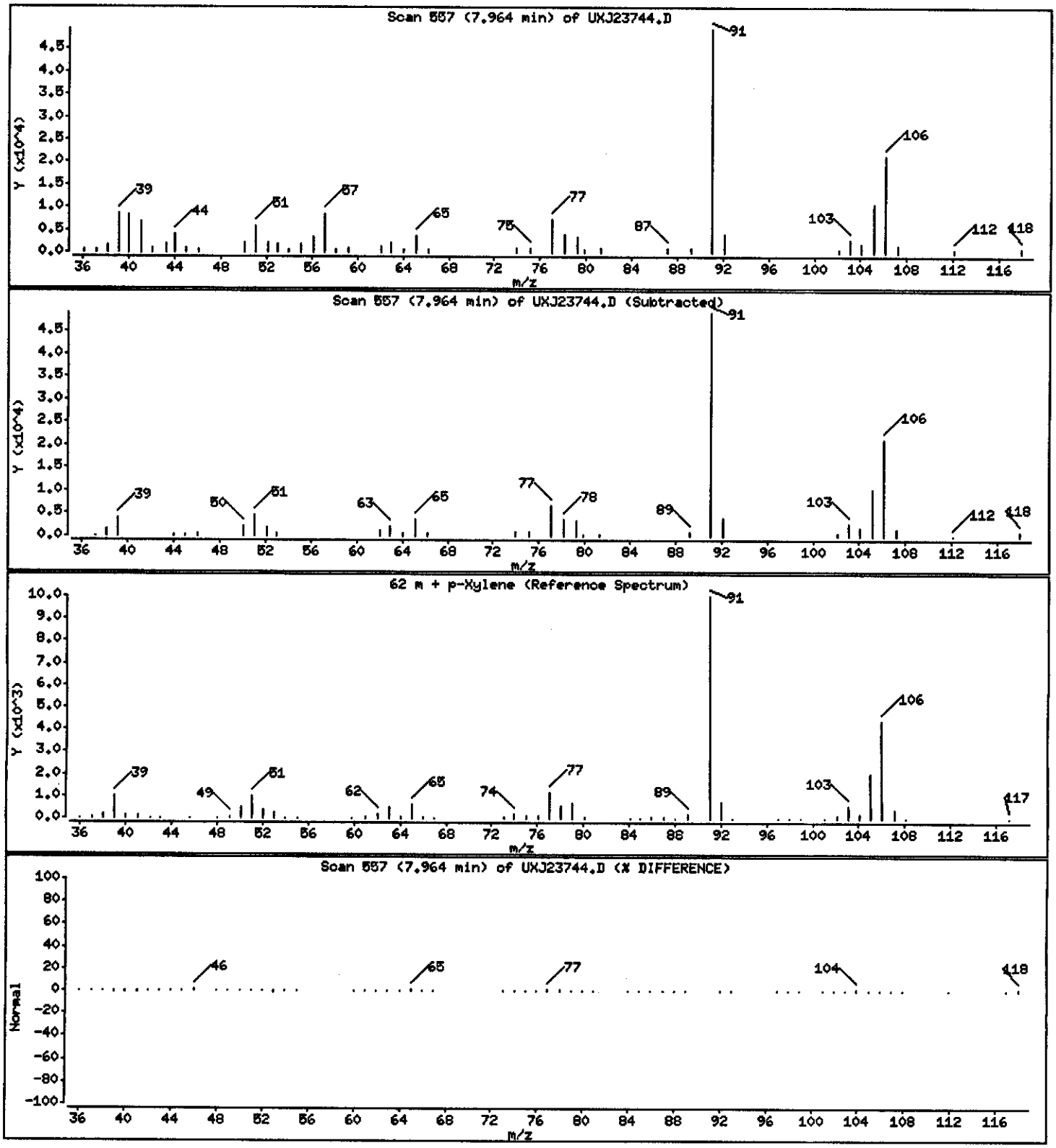
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 0.5415 ug/L



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Date : 03-SEP-2004 14:24

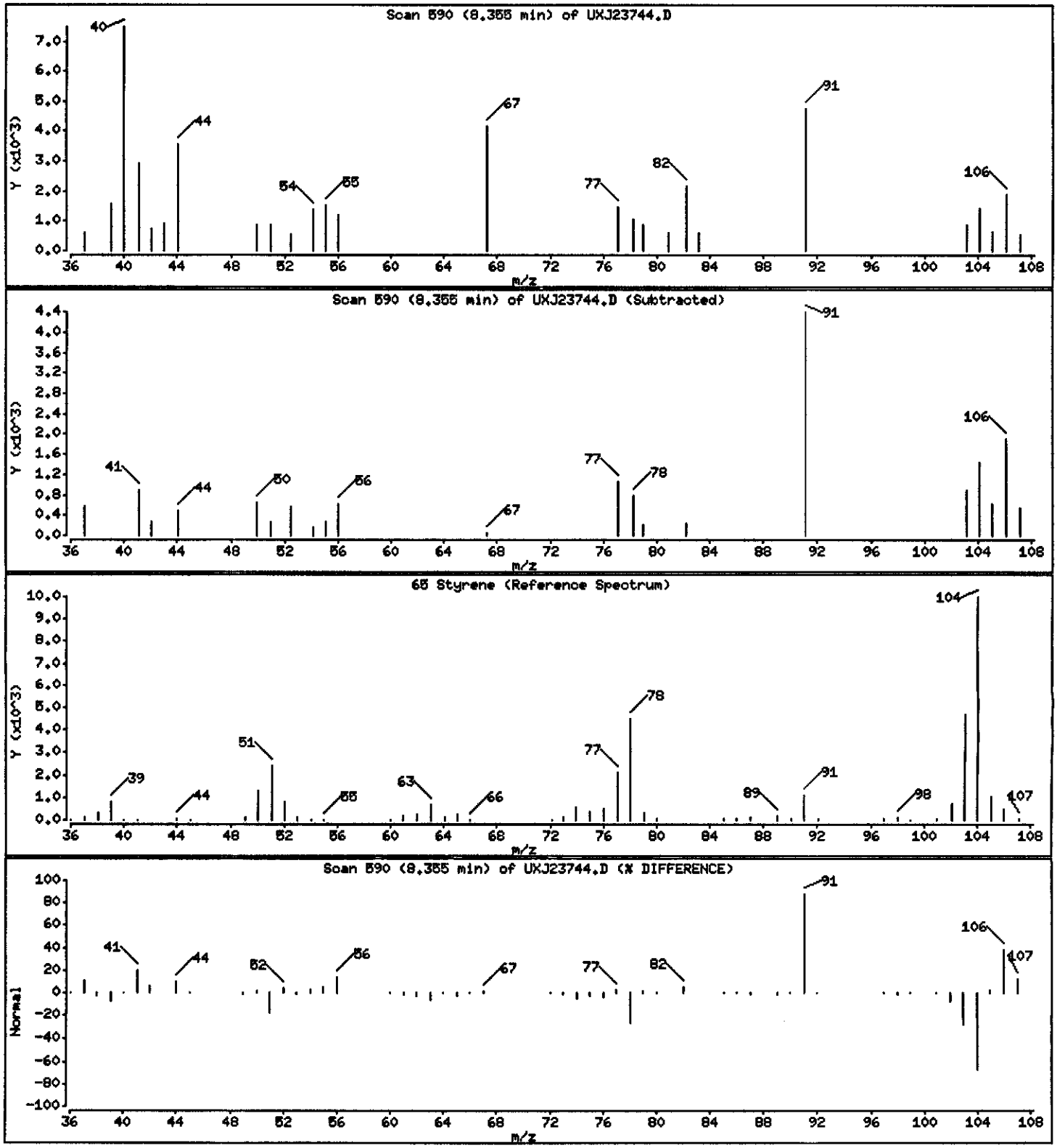
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: CPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

65 Styrene Concentration: 0.4587 ug/L



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Date : 03-SEP-2004 14:24

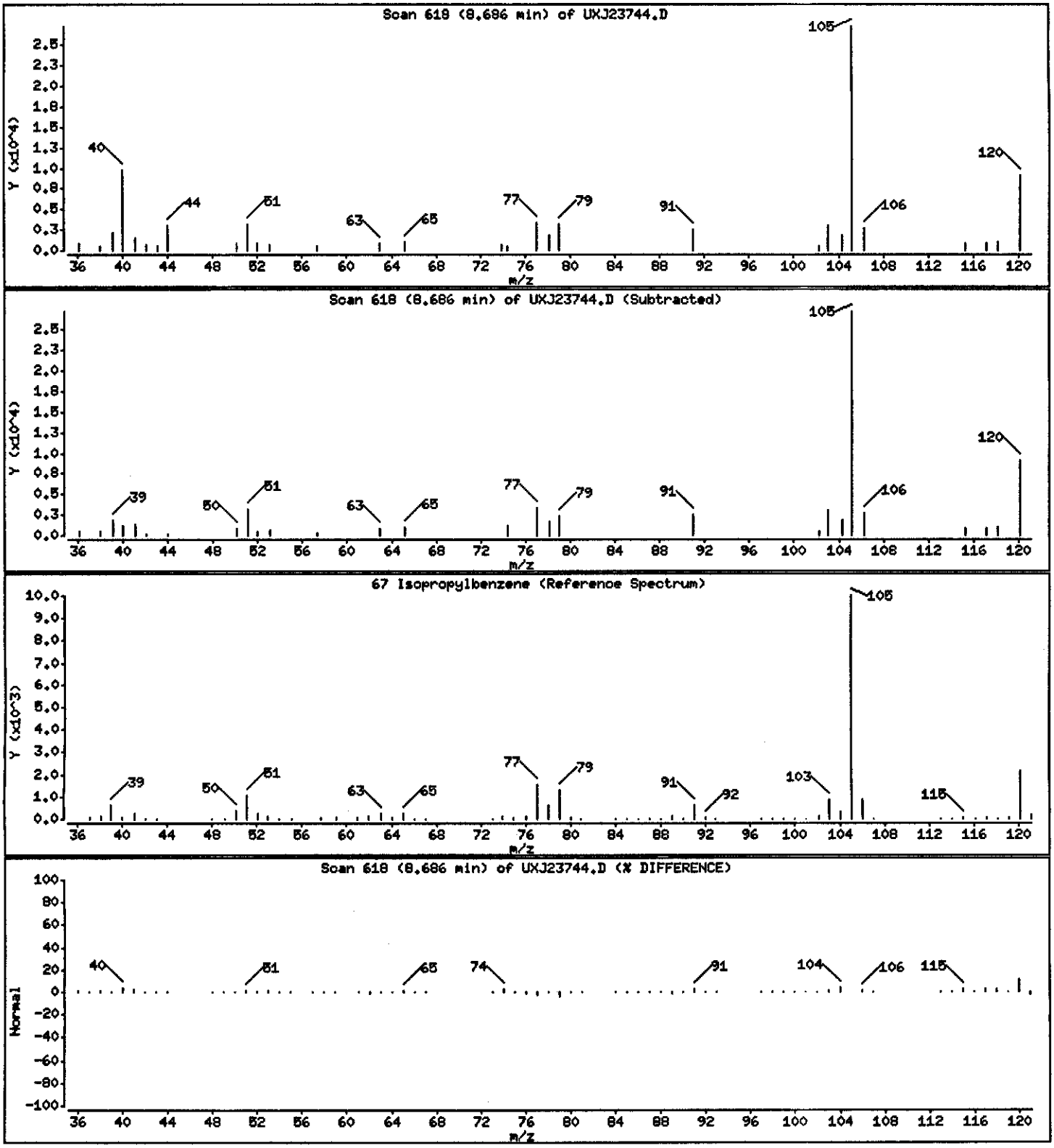
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 0.7827 ug/L



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Date : 03-SEP-2004 14:24

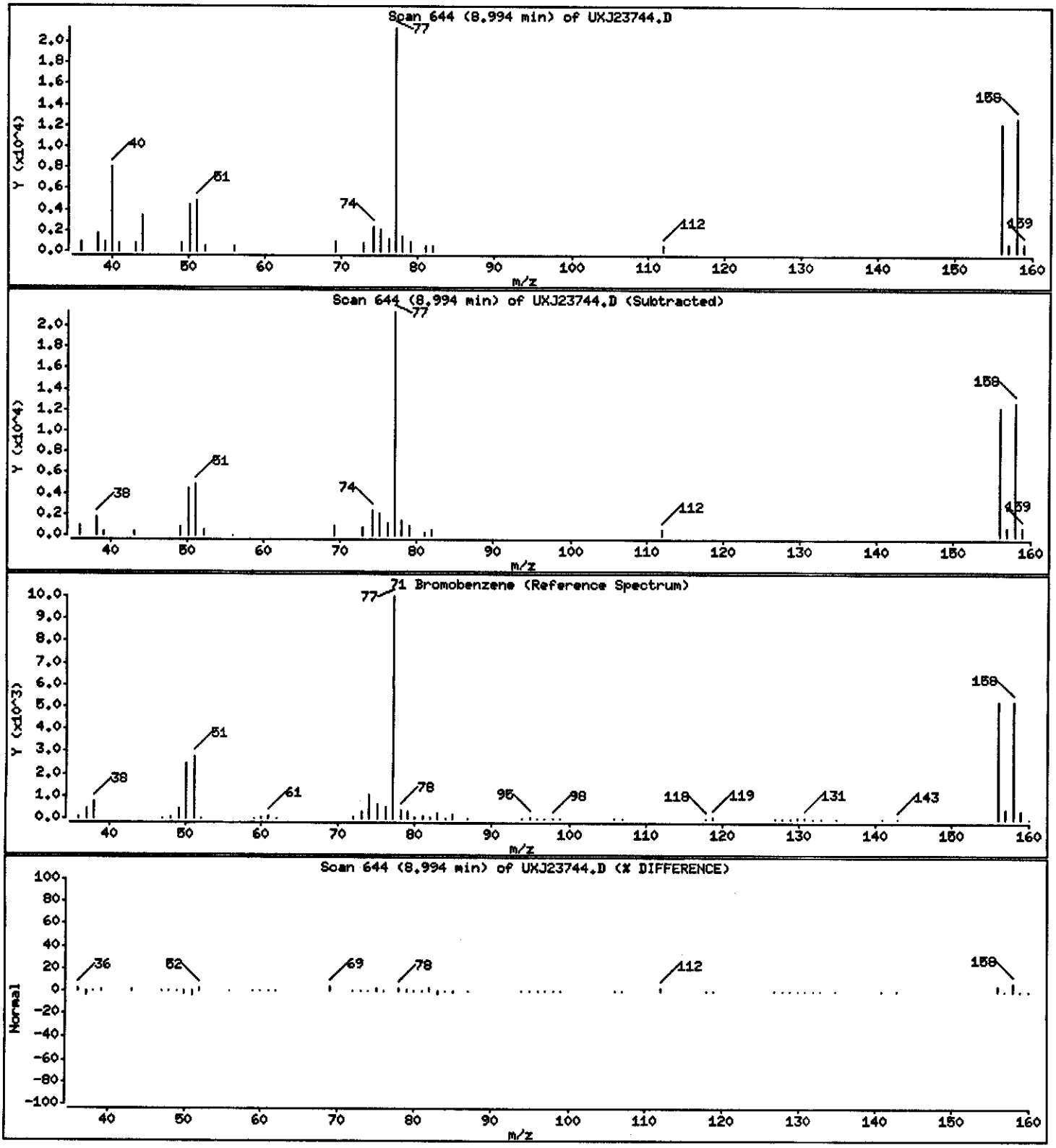
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

71 Bromobenzene Concentration: 0.5339 ug/L



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Date : 03-SEP-2004 14:24

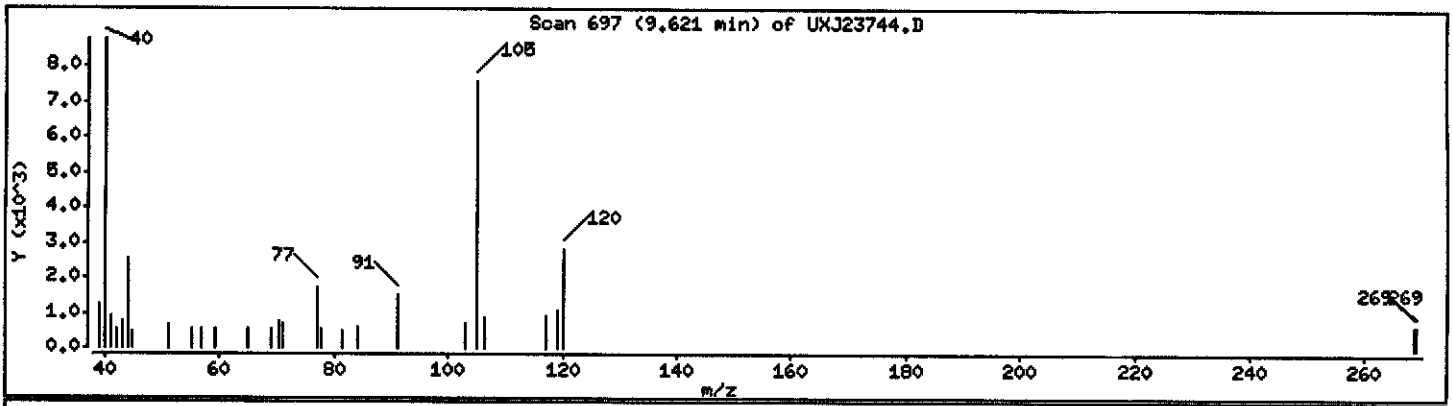
Client ID: MW-12/090104 Instrument: a3ux11.i

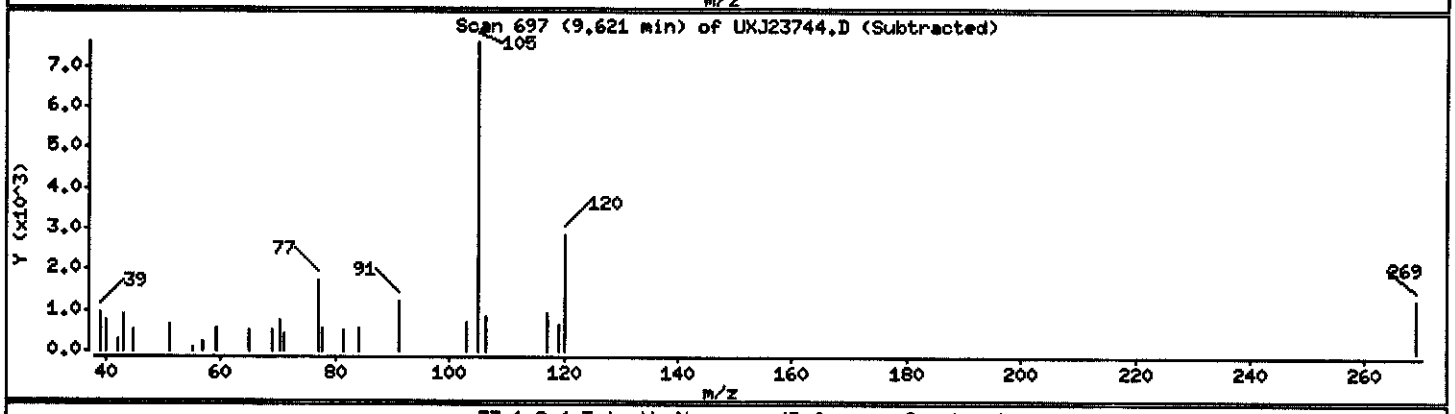
Sample Info: GPGDK2AA,5ML/5ML

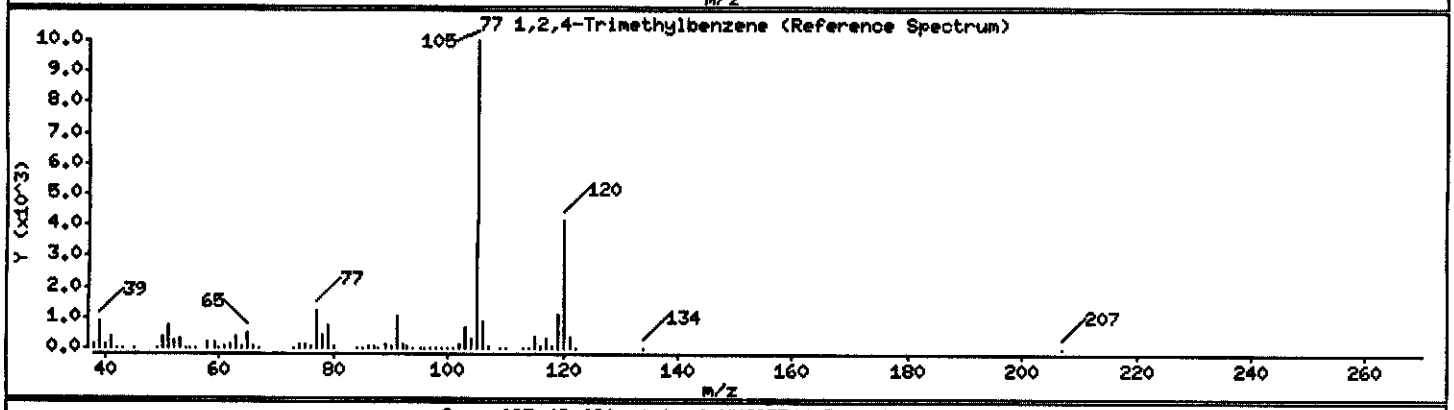
Purge Volume: 5.0 Operator: 43582

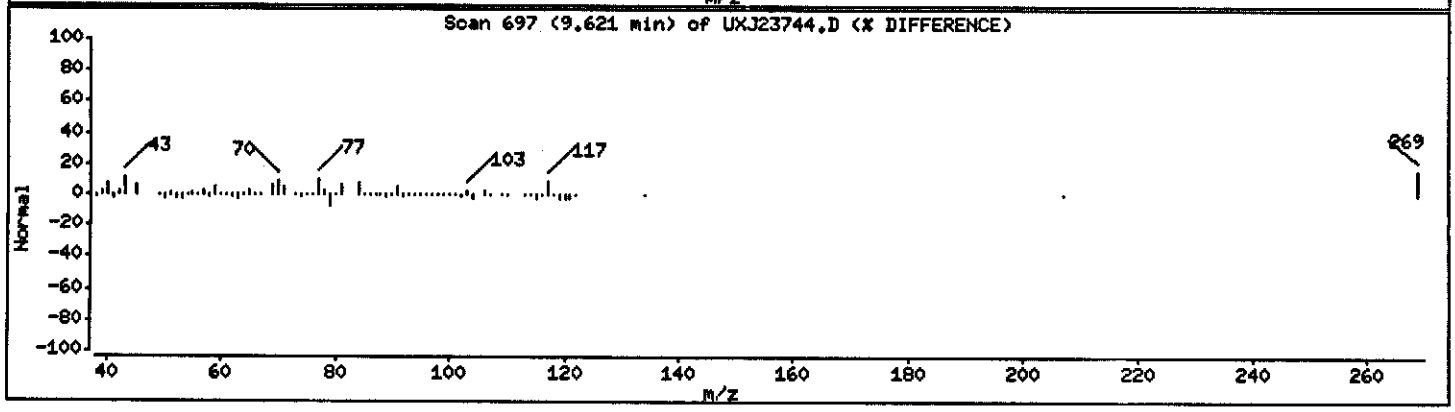
Column phase: DB624 Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.5550 ug/L









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Date : 03-SEP-2004 14:24

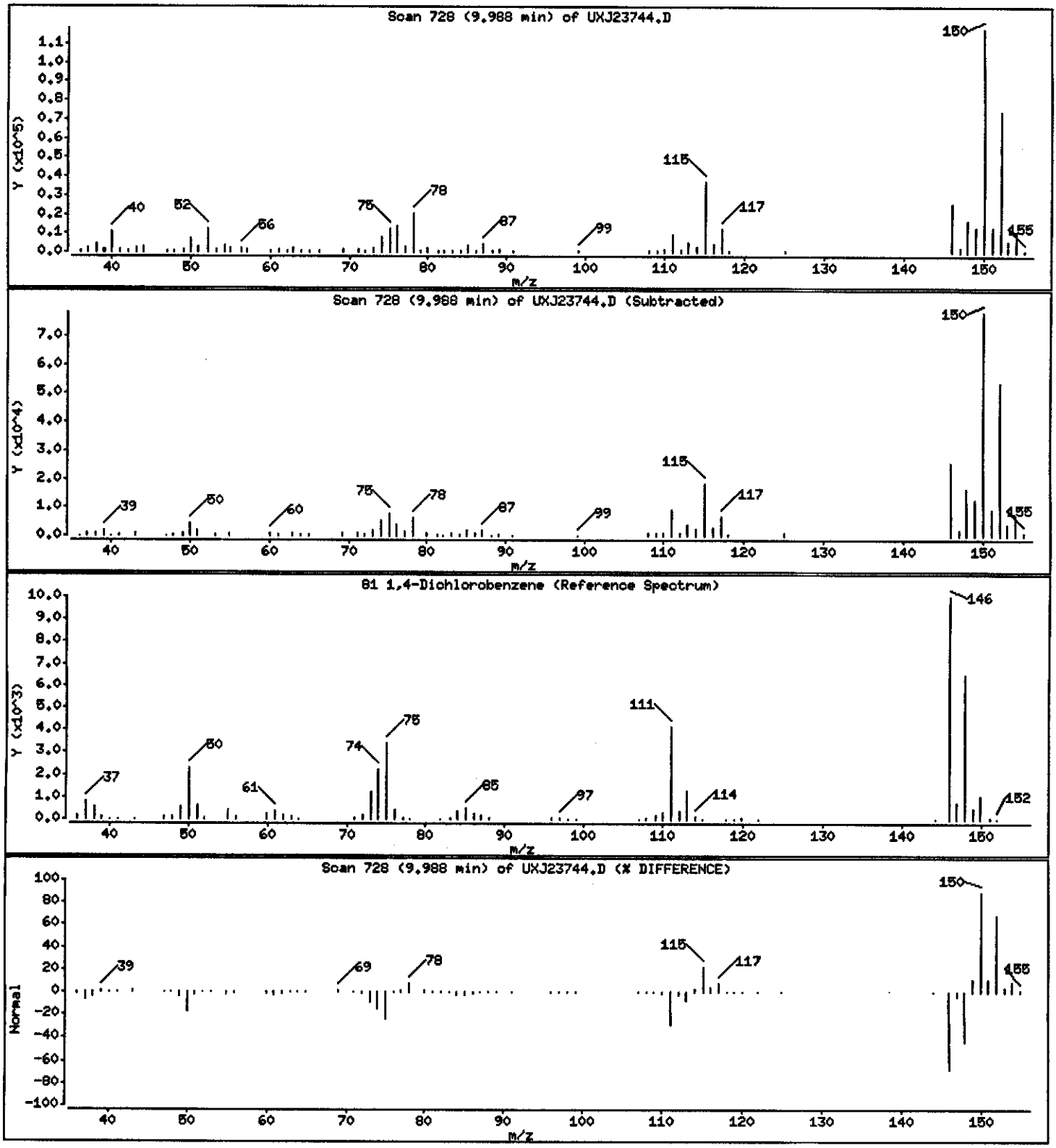
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 0.4916 ug/L



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Date : 03-SEP-2004 14:24

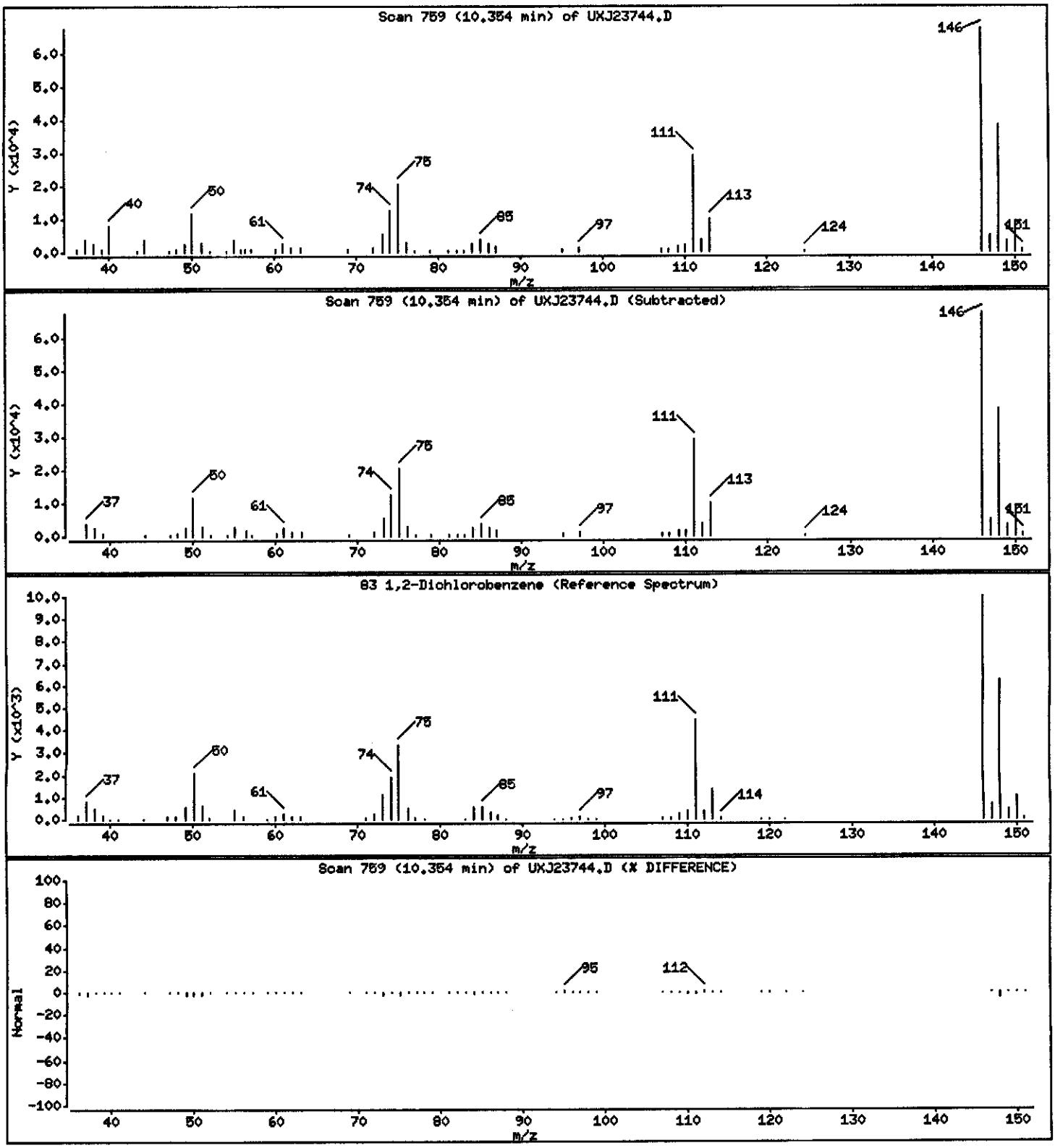
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

83 1,2-Dichlorobenzene Concentration: 1.505 ug/L



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Date : 03-SEP-2004 14:24

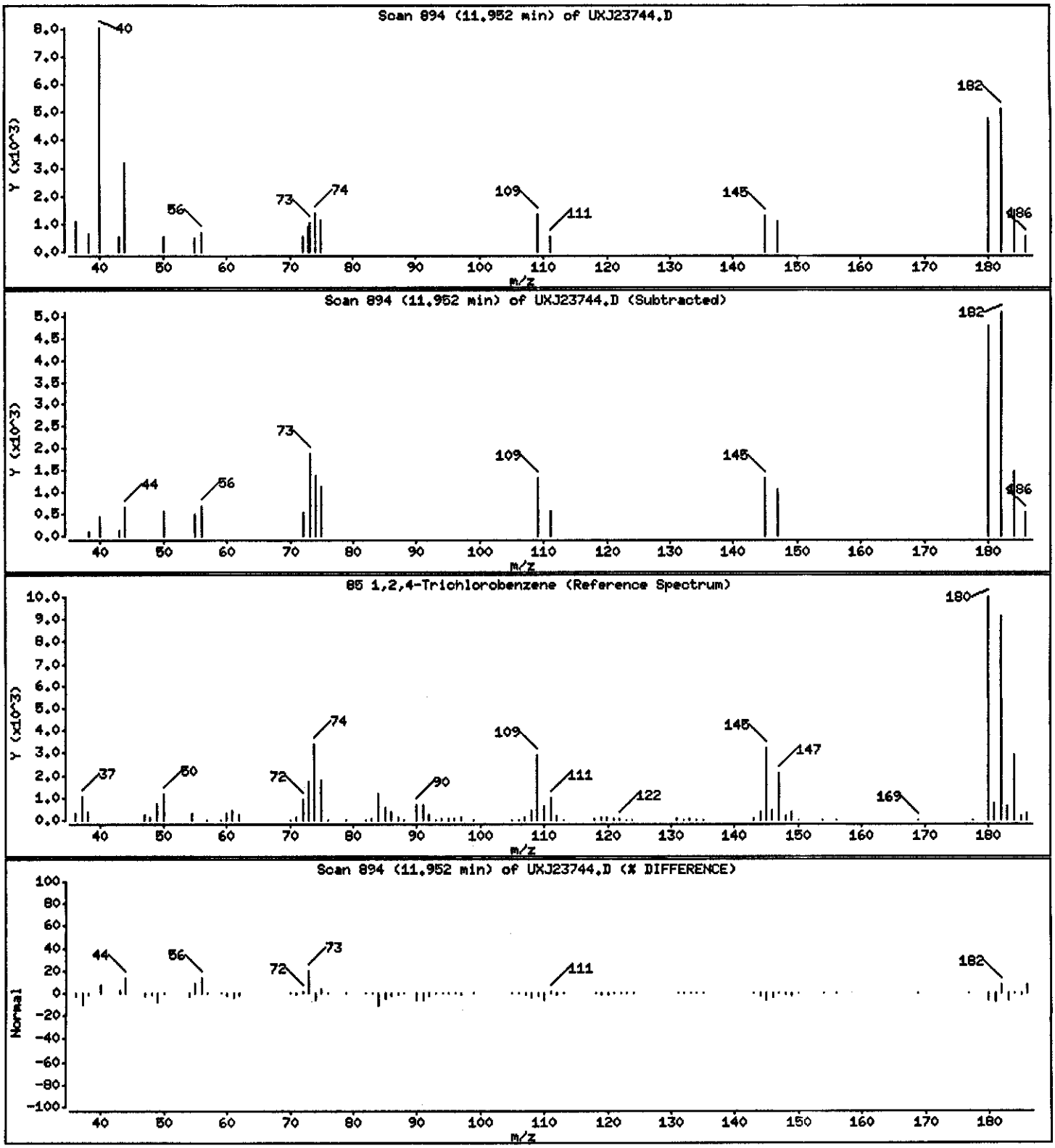
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43682

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.2912 ug/L



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Date : 03-SEP-2004 14:24

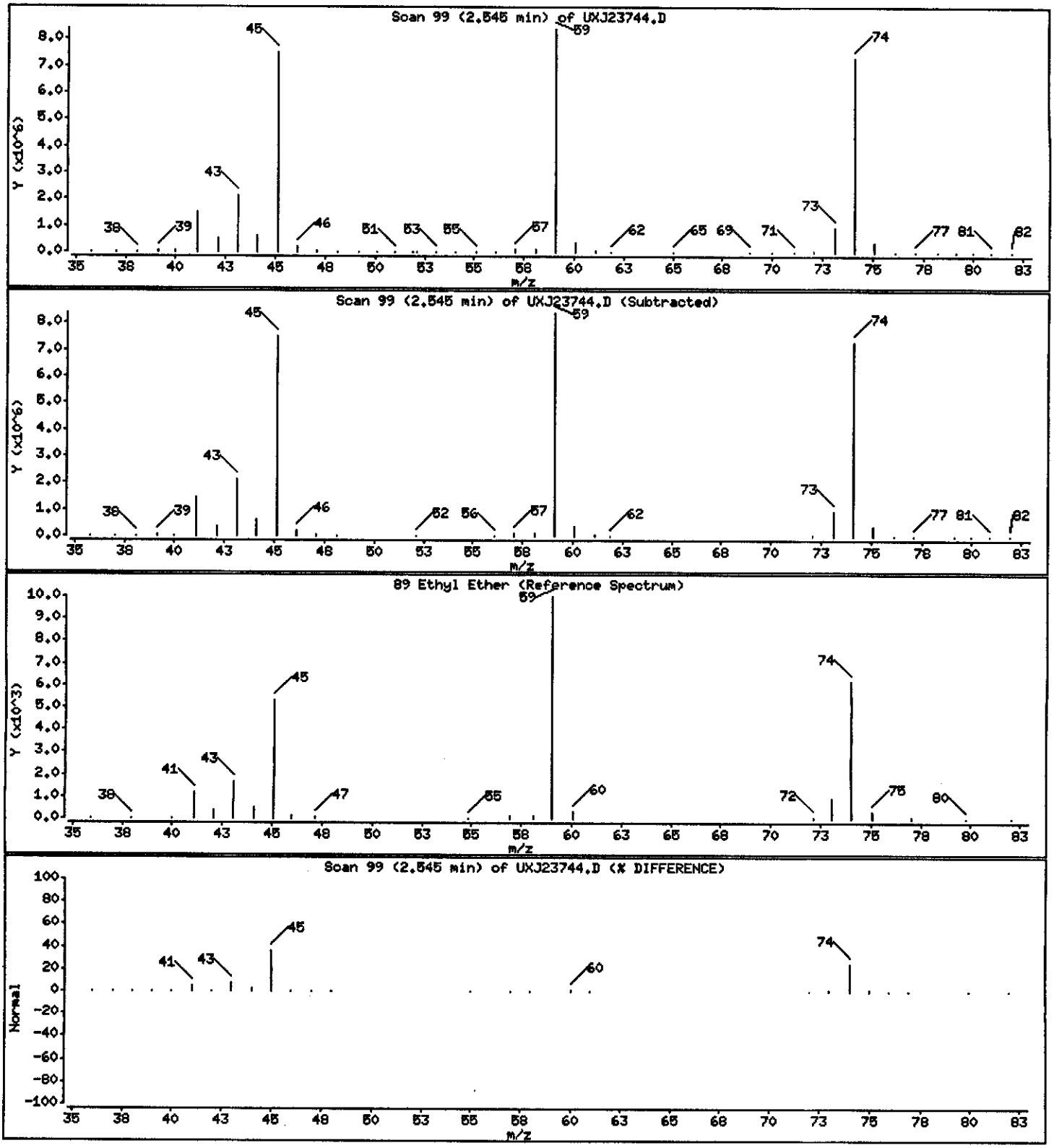
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 592.72 ug/L



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Date : 03-SEP-2004 14:24

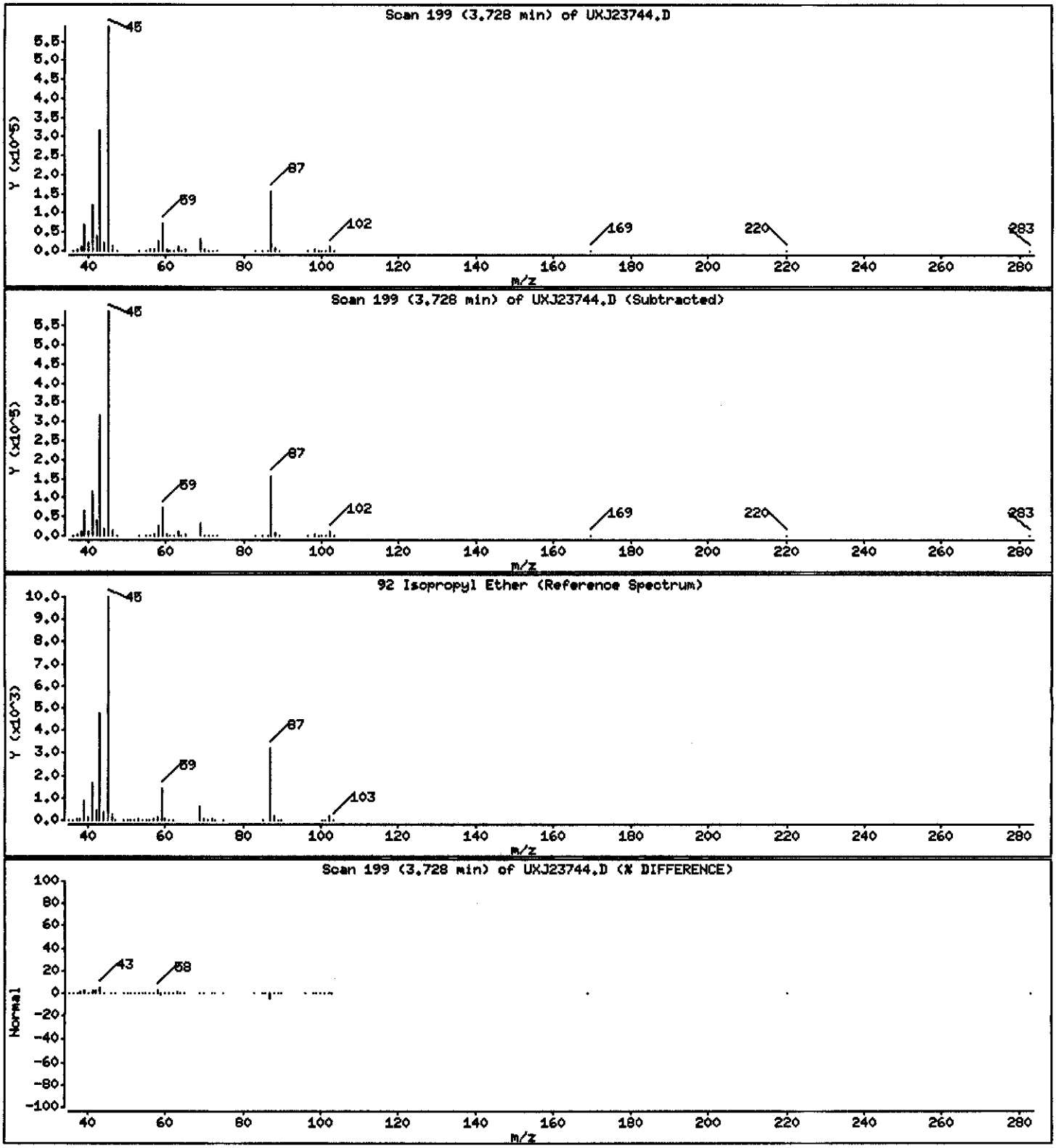
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

92 Isopropyl Ether Concentration: 9.007 ug/L



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Date : 03-SEP-2004 14:24

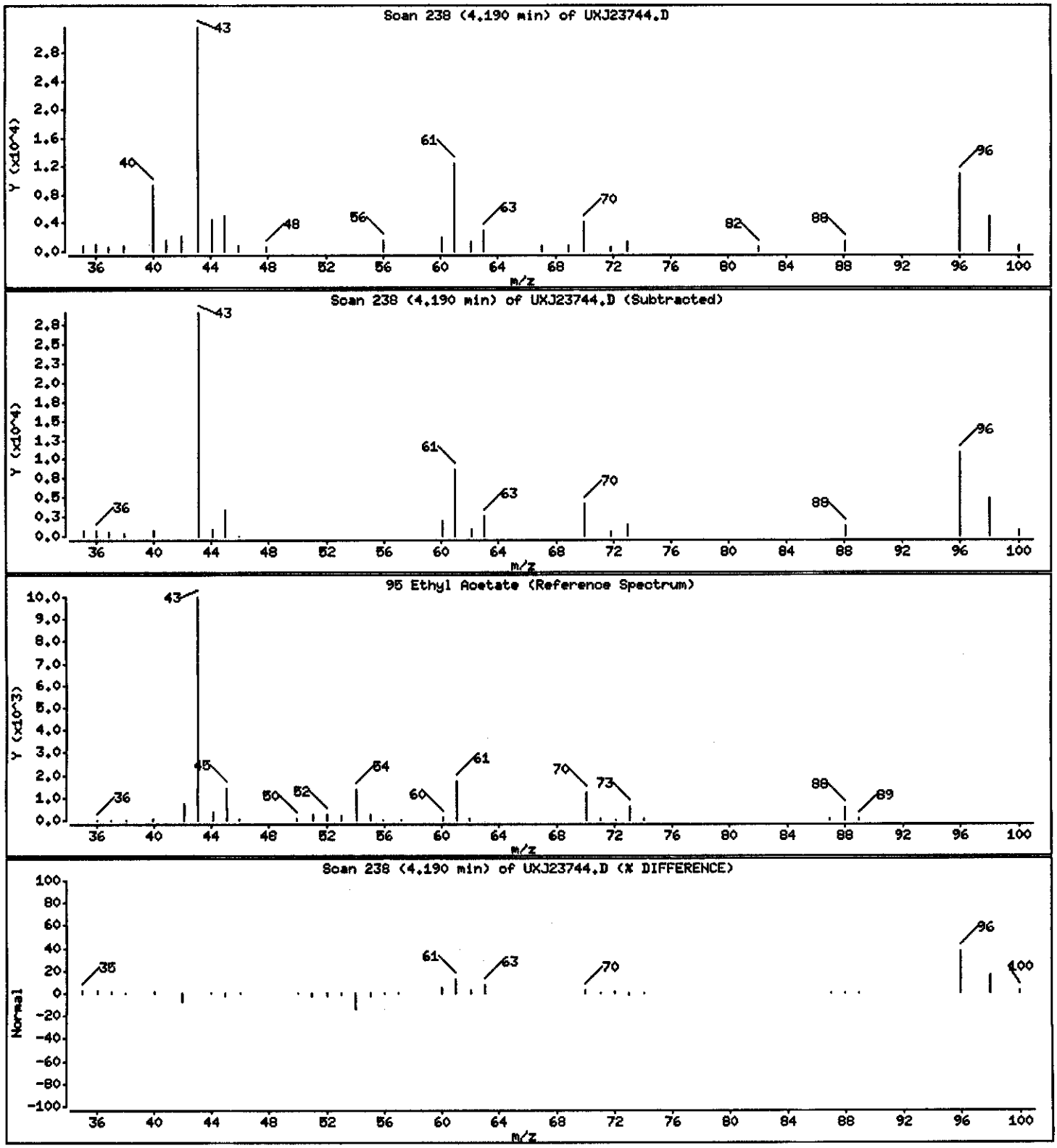
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPCDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

95 Ethyl Acetate Concentration: 1.602 ug/L



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Date : 03-SEP-2004 14:24

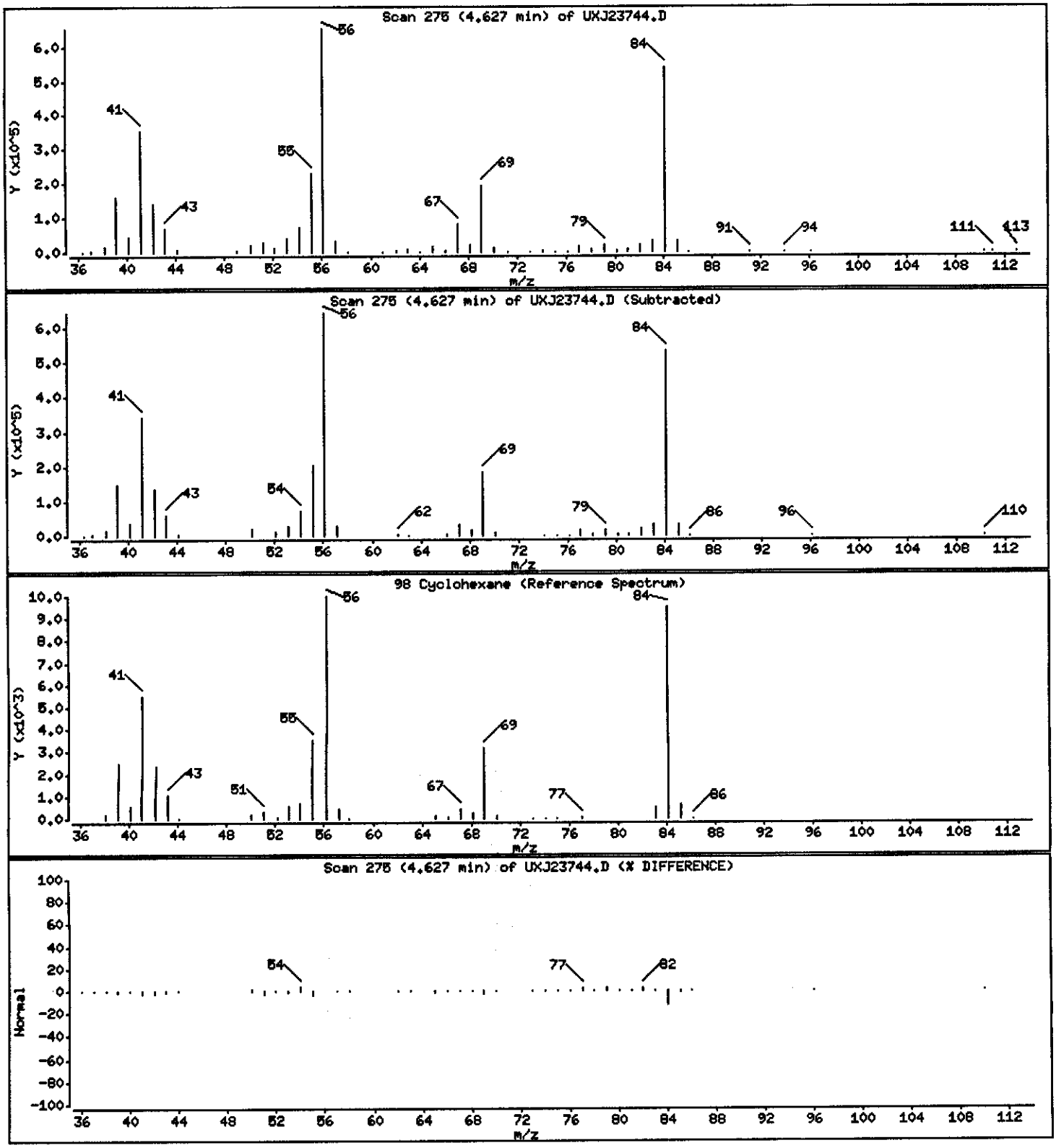
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 23.141 ug/L



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Date : 03-SEP-2004 14:24

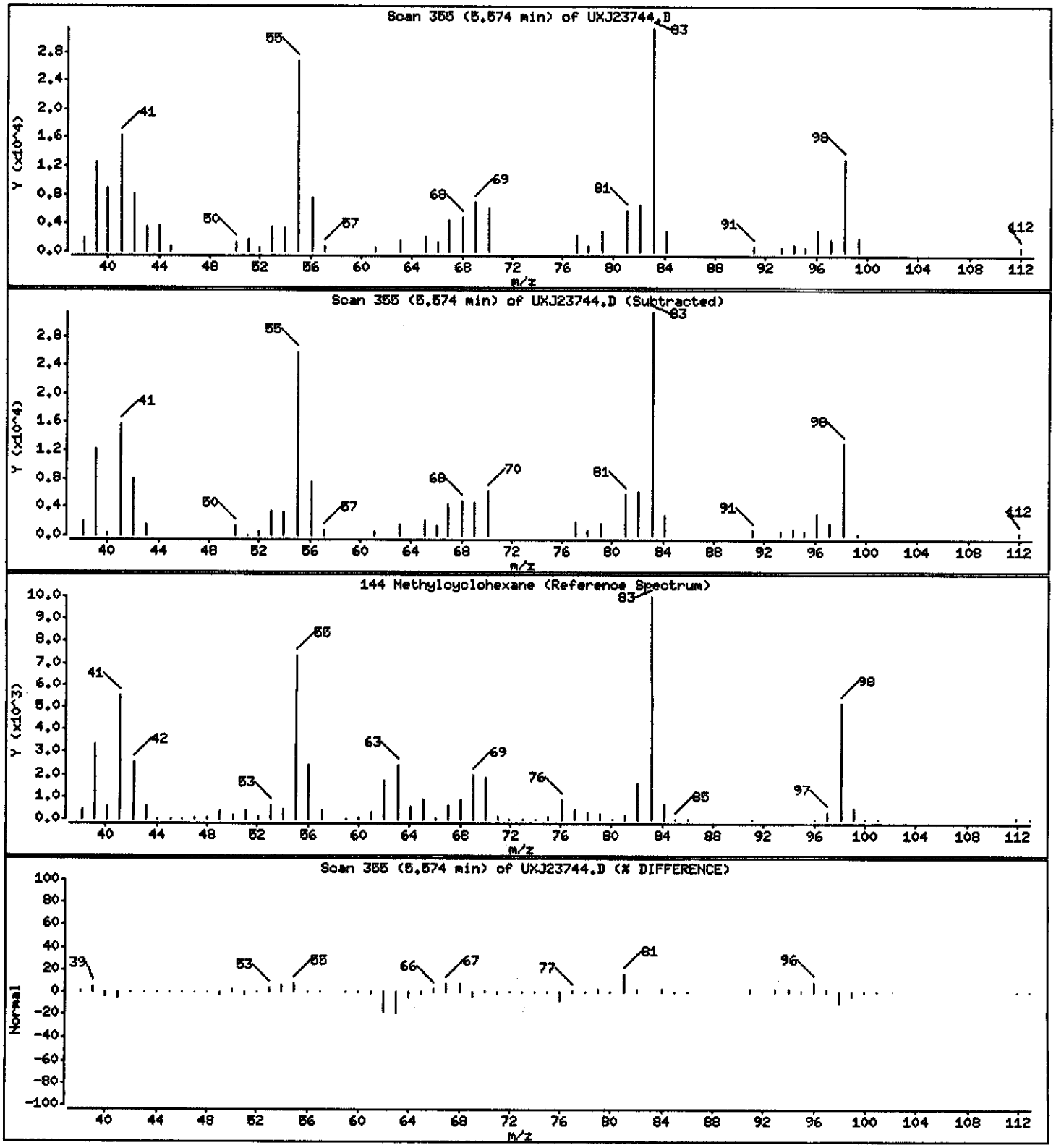
Client ID: MW-12/090104 Instrument: a3ux11.i

Sample Info: GPGDK2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 2.090 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-4/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-004 **Work Order #...:** GPGDL1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 11:00 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 100 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	1000	ug/L
Acetonitrile	ND	2000	ug/L
Acrolein	ND	2000	ug/L
Acrylonitrile	ND	2000	ug/L
Benzene	**2100**	**100**	**ug/L**
Bromodichloromethane	ND	100	ug/L
Bromoform	ND	100	ug/L
Bromomethane	ND	100	ug/L
2-Butanone	ND	1000	ug/L
Carbon disulfide	ND	100	ug/L
Carbon tetrachloride	ND	100	ug/L
Chlorobenzene	ND	100	ug/L
Chloroprene	ND	200	ug/L
Dibromochloromethane	ND	100	ug/L
Chloroethane	ND	100	ug/L
Chloroform	ND	100	ug/L
Chloromethane	ND	100	ug/L
3-Chloropropene	ND	200	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	ug/L
1,2-Dibromoethane	ND	100	ug/L
Dibromomethane	ND	100	ug/L
trans-1,4-Dichloro-2-butene	ND	100	ug/L
1,1-Dichloroethane	ND	100	ug/L
1,2-Dichloroethane	ND	100	ug/L
cis-1,2-Dichloroethene	ND	100	ug/L
trans-1,2-Dichloroethene	ND	100	ug/L
1,1-Dichloroethene	ND	100	ug/L
1,2-Dichloroethene (total)	ND	200	ug/L
Dichlorofluoromethane	ND	200	ug/L
1,2-Dichloropropane	ND	100	ug/L
cis-1,3-Dichloropropene	ND	100	ug/L
trans-1,3-Dichloropropene	ND	100	ug/L
1,4-Dioxane	**2200 J**	**5000**	**ug/L**
Ethylbenzene	ND	100	ug/L
Ethyl methacrylate	ND	100	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-4/090104

GC/MS Volatiles

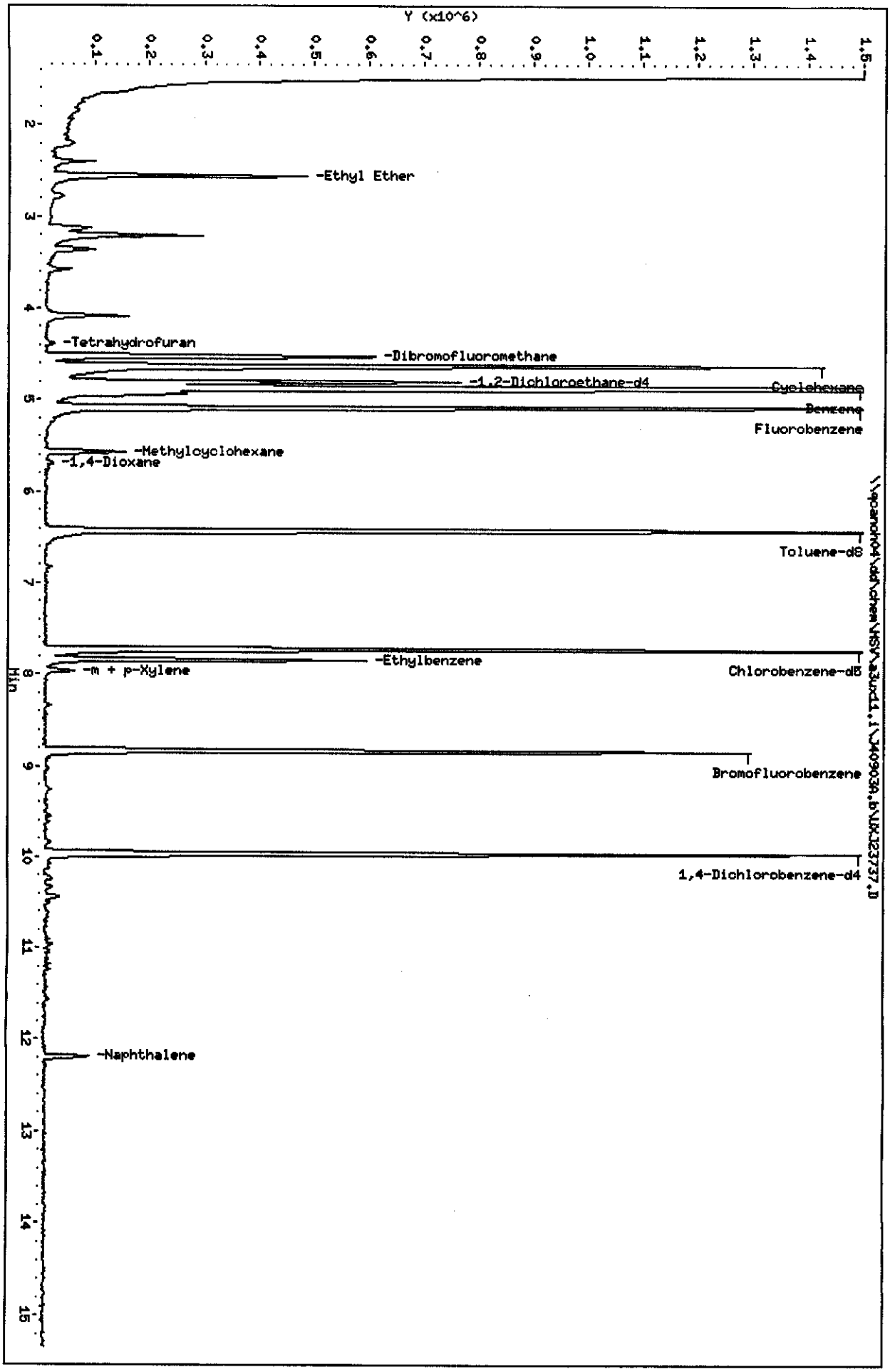
Lot-Sample #...: A4I020164-004 **Work Order #...:** GPGDL1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	1000	ug/L
Iodomethane	ND	100	ug/L
Isobutanol	ND	5000	ug/L
Methacrylonitrile	ND	200	ug/L
Methylene chloride	ND	100	ug/L
Methyl methacrylate	ND	200	ug/L
4-Methyl-2-pentanone	ND	1000	ug/L
Propionitrile	ND	400	ug/L
Styrene	ND	100	ug/L
1,1,1,2-Tetrachloroethane	ND	100	ug/L
1,1,2,2-Tetrachloroethane	ND	100	ug/L
Tetrachloroethene	ND	100	ug/L
Toluene	ND	100	ug/L
1,1,1-Trichloroethane	ND	100	ug/L
1,1,2-Trichloroethane	ND	100	ug/L
Trichloroethene	ND	100	ug/L
Trichlorofluoromethane	ND	100	ug/L
1,2,3-Trichloropropane	ND	100	ug/L
Vinyl acetate	ND	200	ug/L
Vinyl chloride	ND	100	ug/L
Xylenes (total)	ND	200	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 03-SEP-2004 11:44
Client ID: MW-4/090104
Sample Info: GPCDL1AA,0.05ML/5ML
Purge Volume: 0.1
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Ethyl Ether
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Cyclohexane
Benzene
Fluorobenzene
-Methylcyclohexane
-1,4-Dioxane
Toluene-d8
-Ethylbenzene
-m + p-Xylene
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
-Naphthalene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J409030.b\UXJ23737.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23737.D
Report Date: 07-Sep-2004 09:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23737.D
Lab Smp Id: GPGDL1AA Client Smp ID: MW-4/090104
Inj Date : 03-SEP-2004 11:44
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDL1AA,0.05ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.050	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1823937	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1245442	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	585244	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	433687	50.5246	1010.5
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	598073	52.6111	1052.2
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1508949	50.5701	1011.4
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	533701	42.2040	844.08
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23737.D
Report Date: 07-Sep-2004 09:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	9824	3.28788	65.758
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.863	4.863	(0.956)	4325044	105.349	2107.0
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.692	5.680	(1.119)	13019	111.635	2232.7
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	7231	0.64000	12.800
	62 m + p-Xylene	106	7.964	7.964	(1.029)	17984	1.21760	24.352
M	63 Xylenes (total)	106				17984	1.21760	24.352
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23737.D
Report Date: 07-Sep-2004 09:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.200	12.200	(1.224)	83188	7.44993	149.00
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	326487	36.3022	726.04
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	773937	58.9642	1179.3
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	49278	9.40193	188.04
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23737.D

Date : 03-SEP-2004 11:44

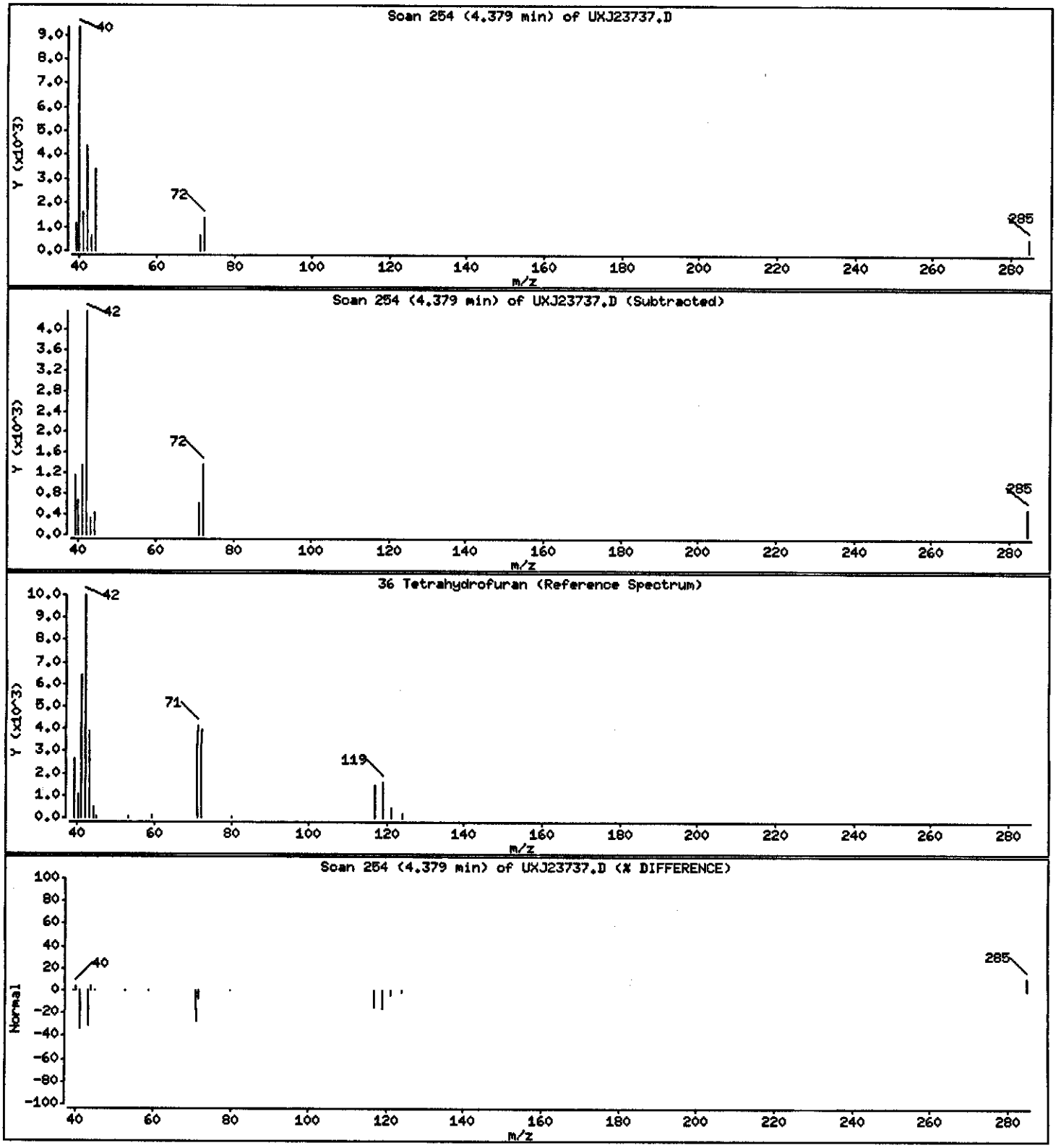
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 65.758 ug/L



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Date : 03-SEP-2004 11:44

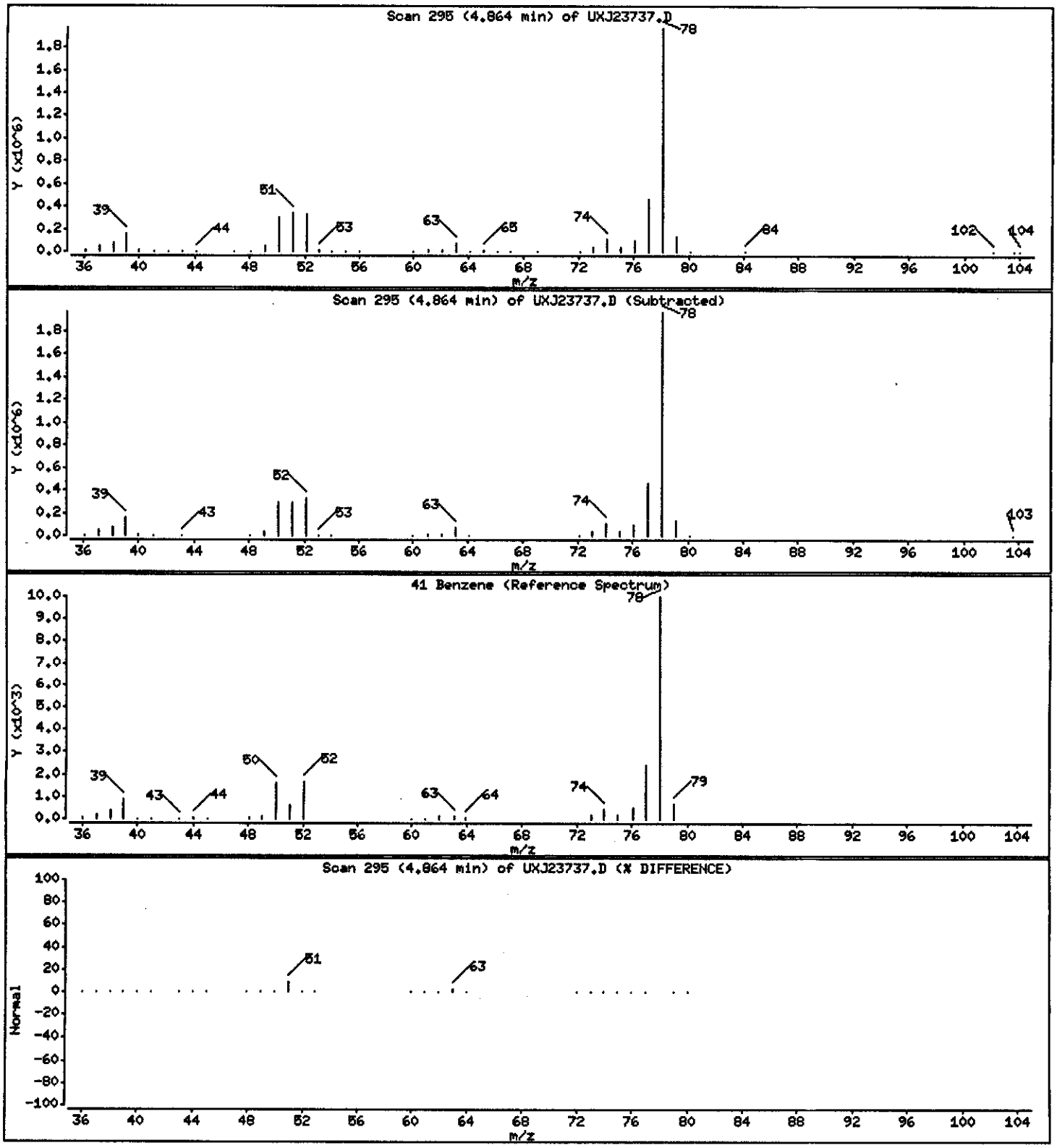
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPCDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 2107.0 ug/L



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Date : 03-SEP-2004 11:44

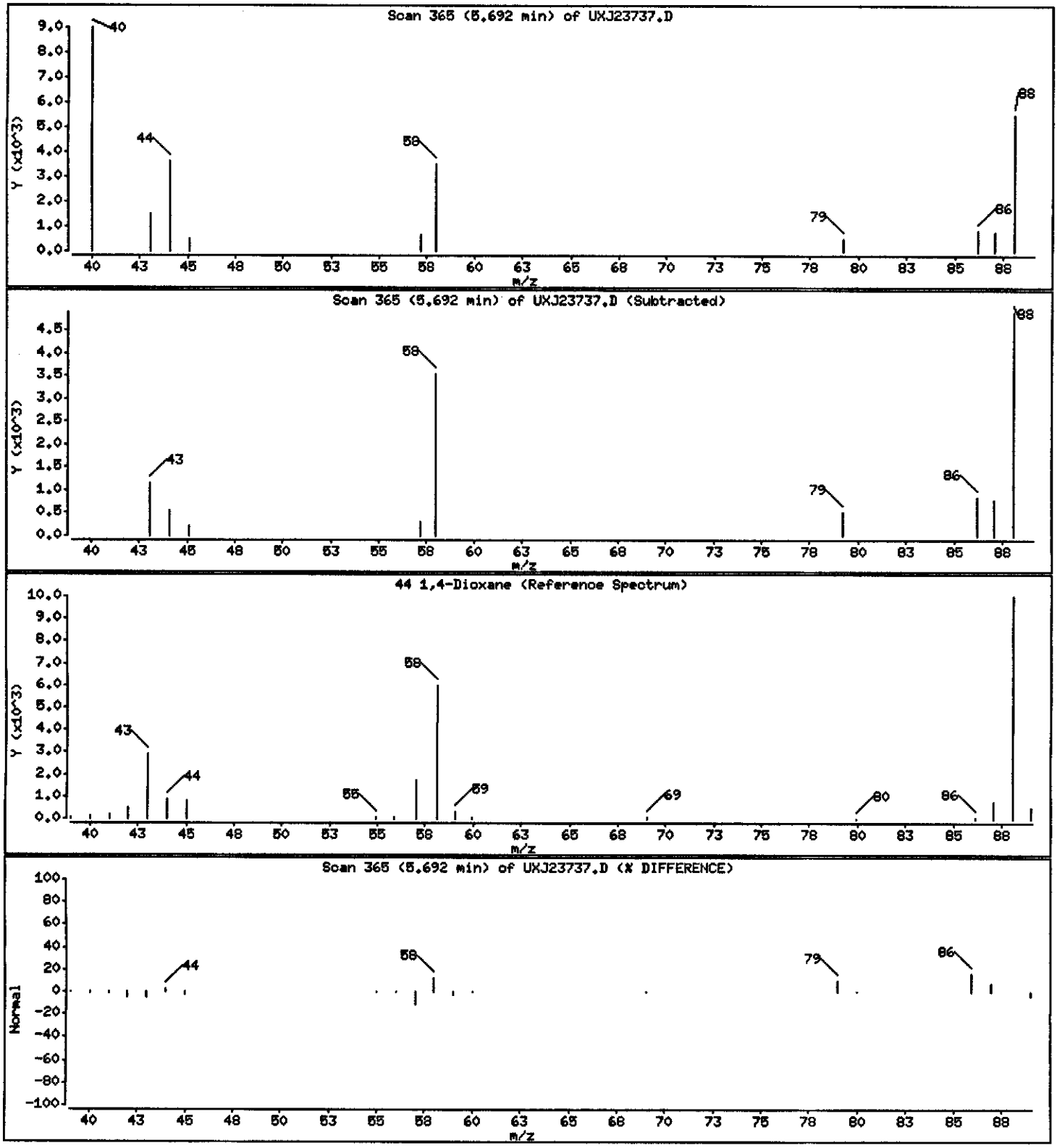
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: CPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 2232.7 ug/L



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Date : 03-SEP-2004 11:44

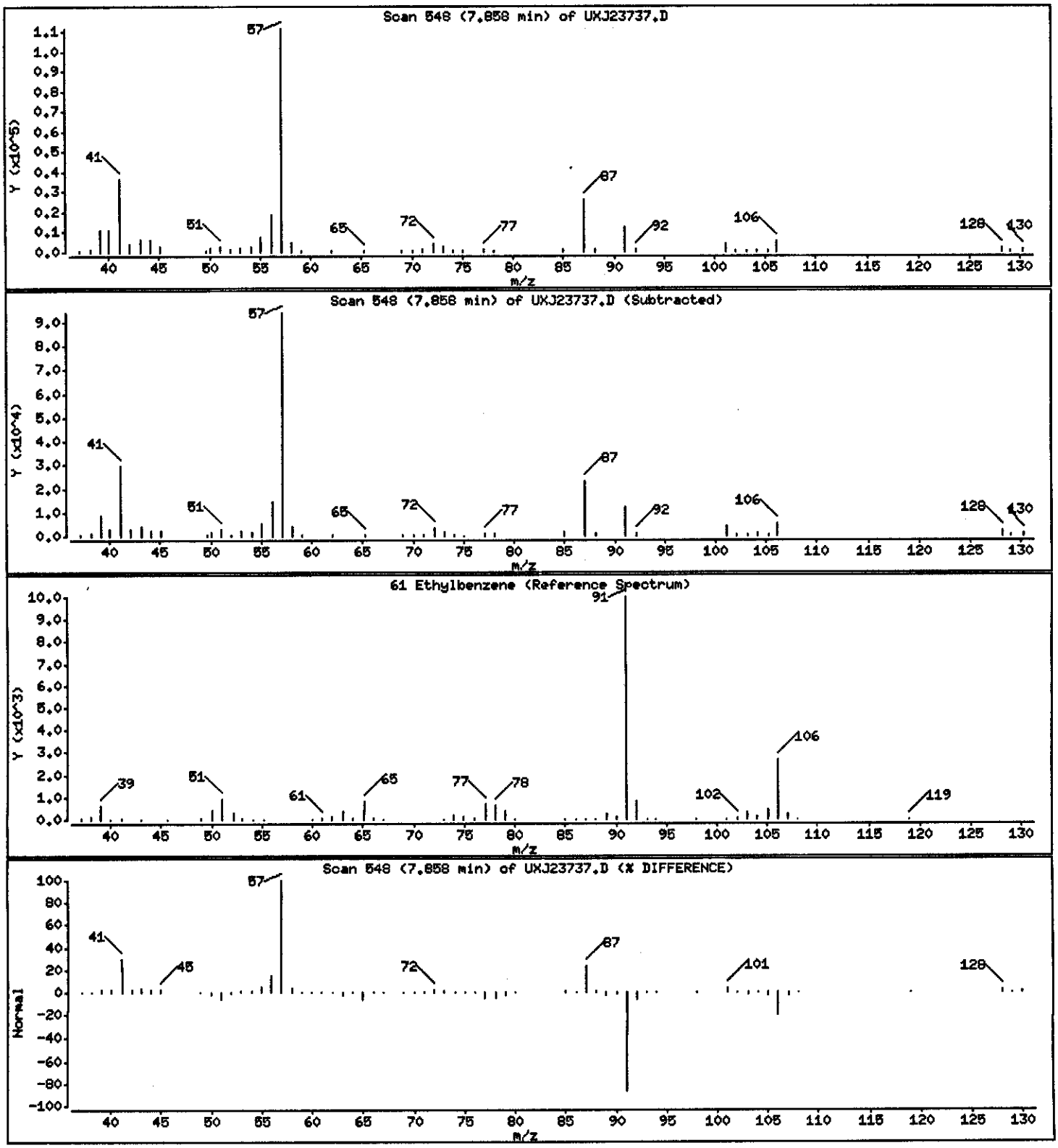
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

61 Ethylbenzene Concentration: 12,800 ug/L



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Date : 03-SEP-2004 11:44

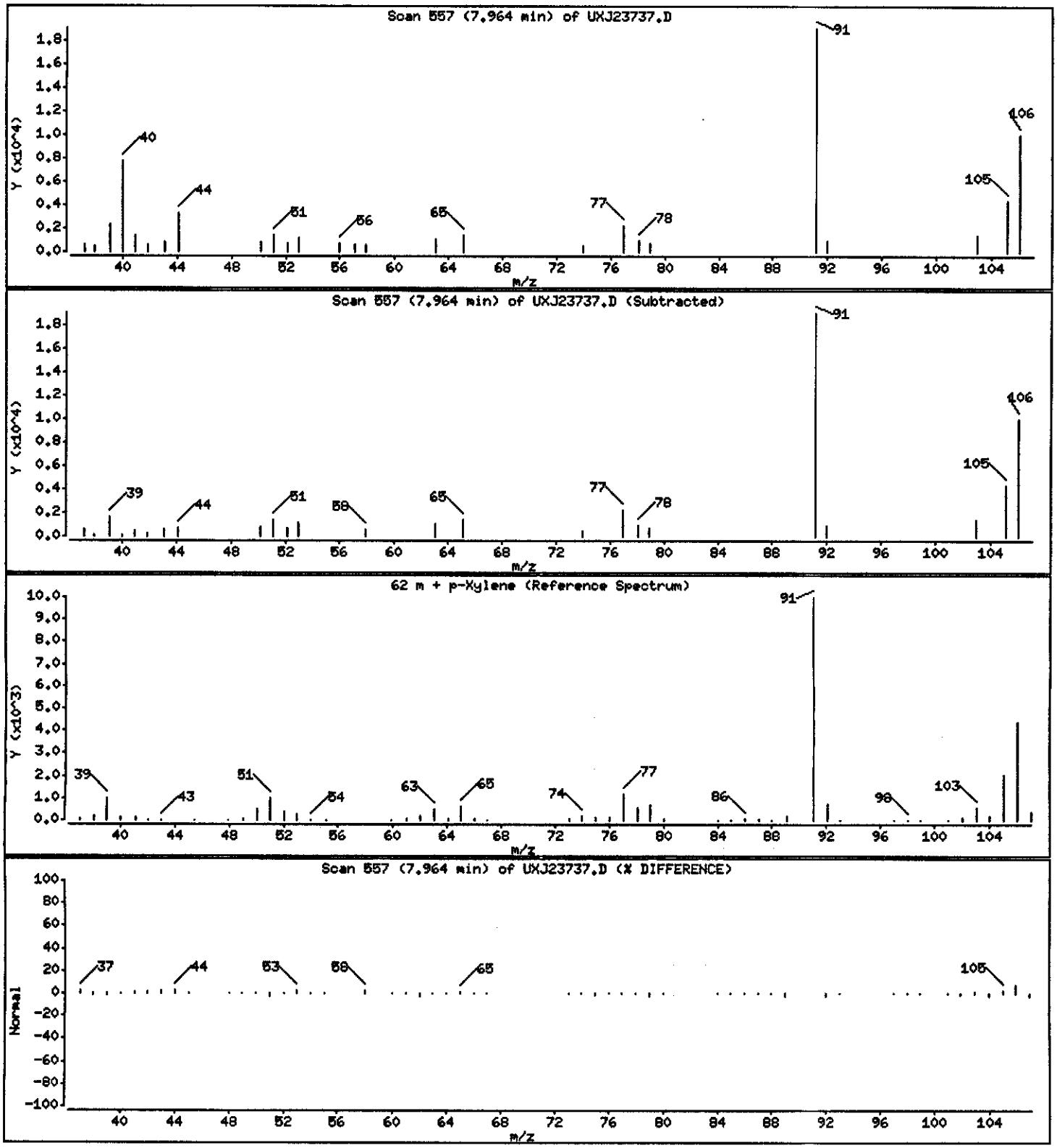
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 24.352 ug/L



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Date : 03-SEP-2004 11:44

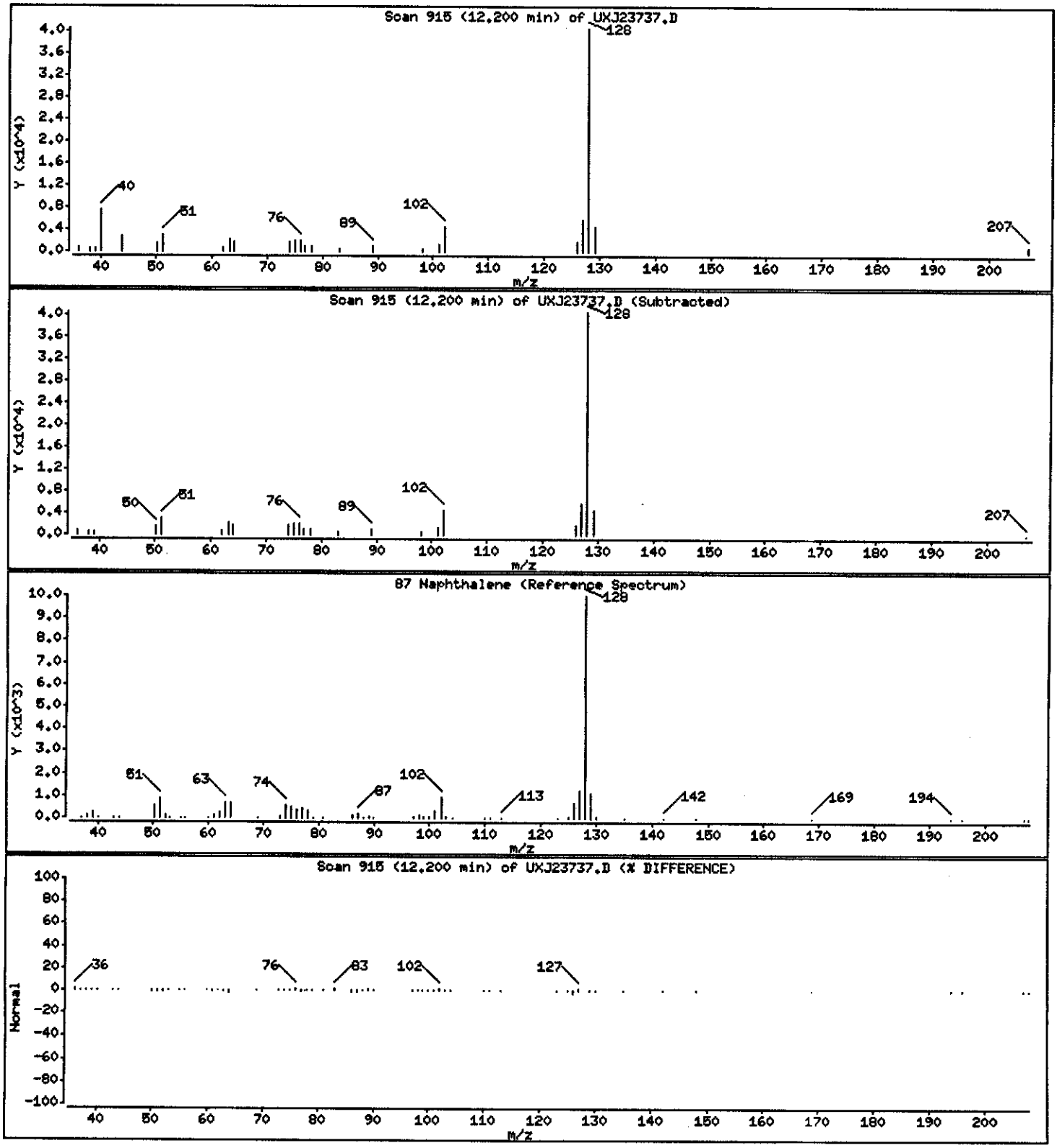
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 149.00 ug/L



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Date : 03-SEP-2004 11:44

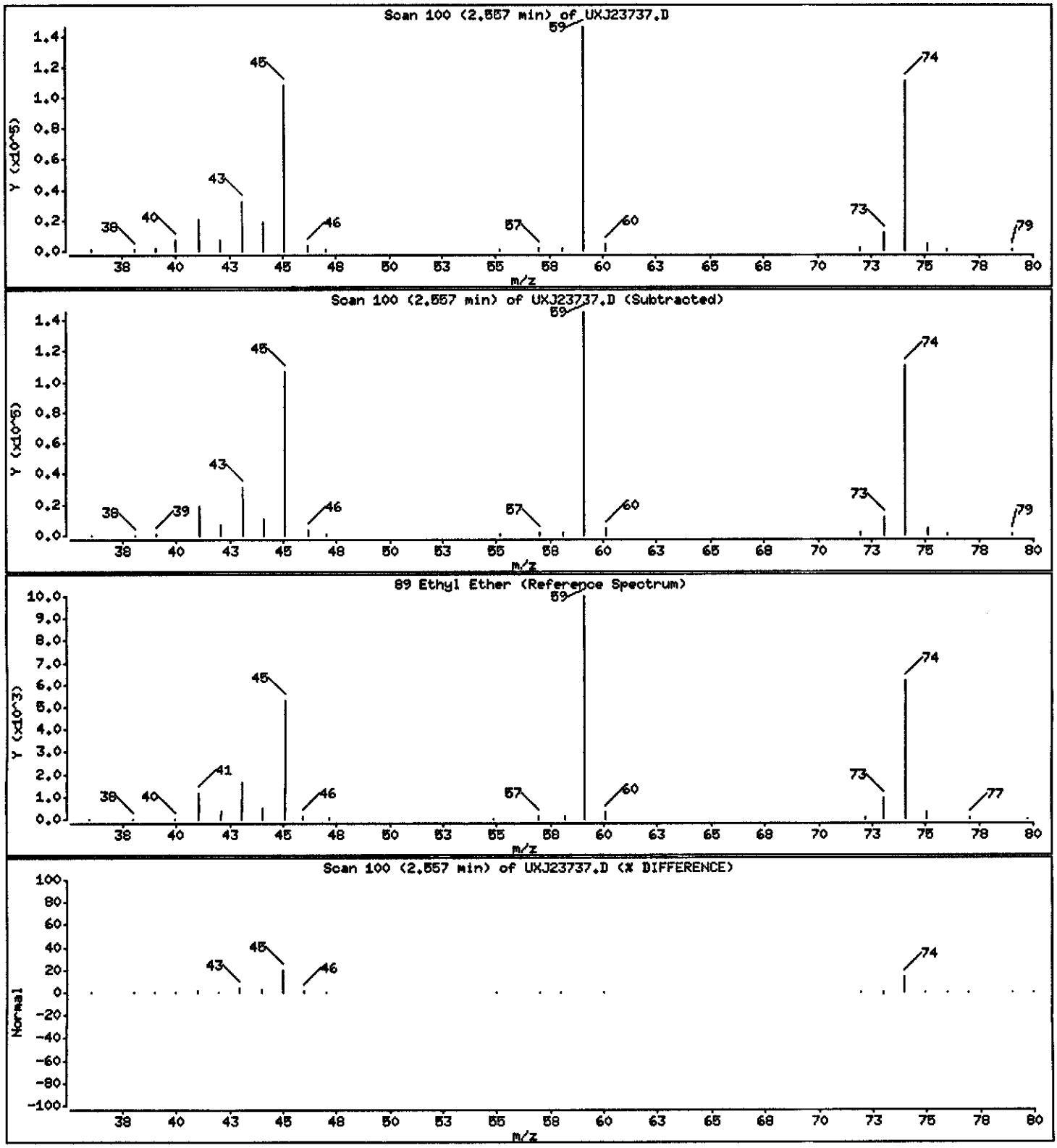
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPCDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 726.04 ug/L



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Date : 03-SEP-2004 11:44

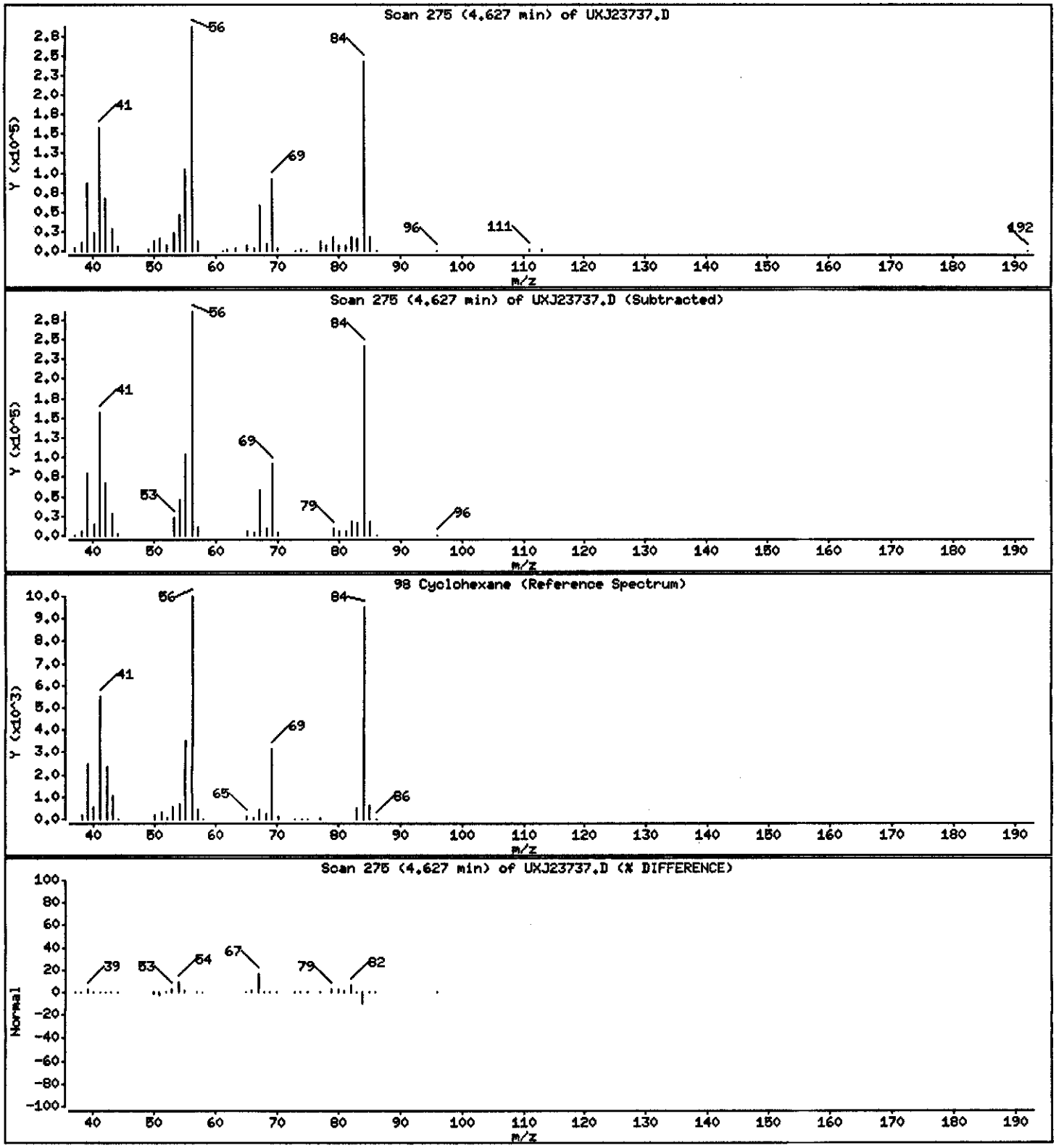
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 1179.3 ug/L



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Date : 03-SEP-2004 11:44

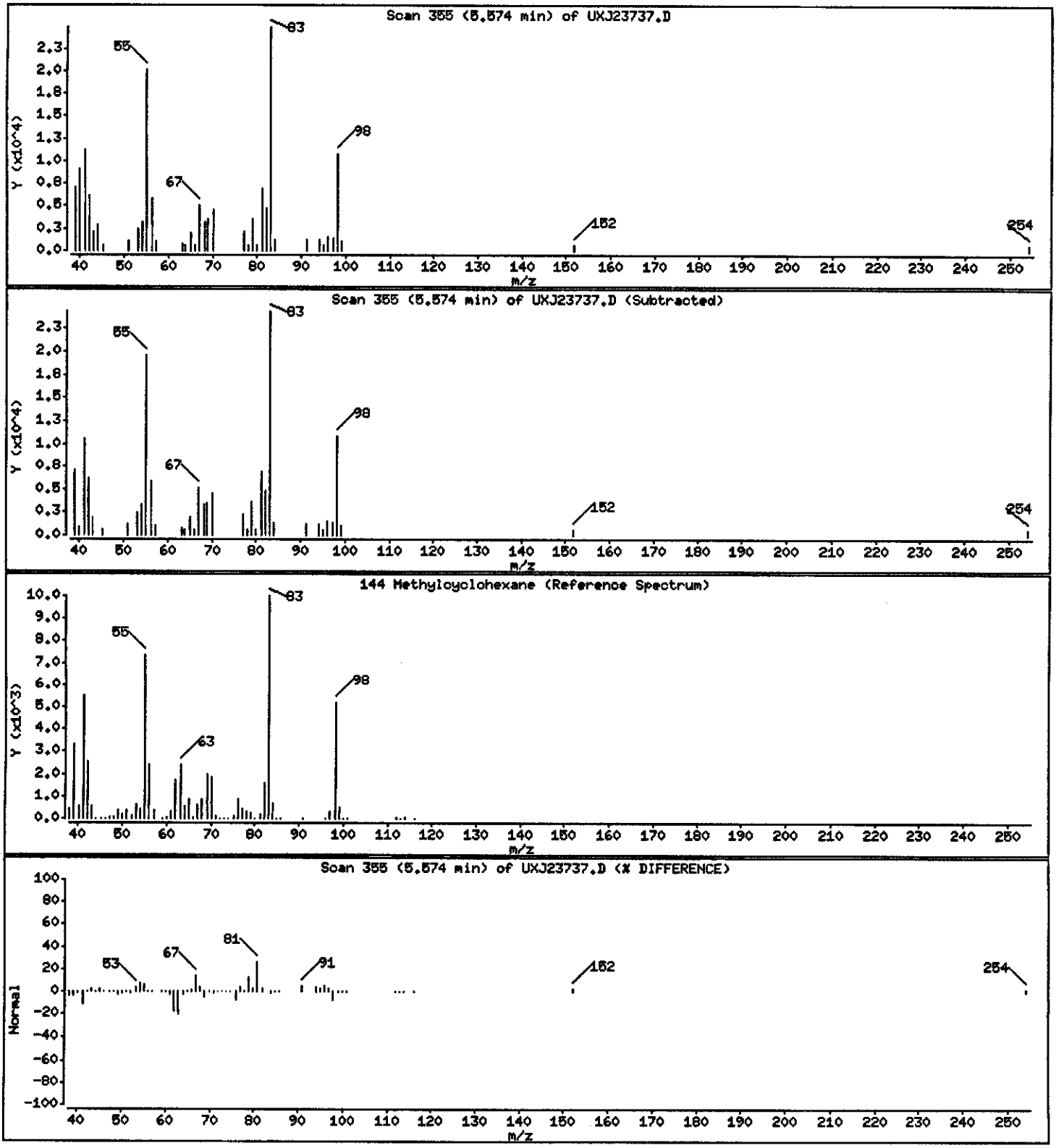
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL1AA,0.05ML/5ML

Purge Volume: 0.1 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 188.04 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-4/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-004 **Work Order #...:** GPGDL2AA **Matrix.....:** WG
Date Sampled...: 09/01/04 11:00 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	100	ug/L
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Benzene	**1300 E**	**10**	**ug/L**
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	**2.1 J**	**10**	**ug/L**
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
3-Chloropropene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
1,1-Dichloroethane	**3.3 J**	**10**	**ug/L**
1,2-Dichloroethane	ND	10	ug/L
cis-1,2-Dichloroethene	ND	10	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene (total)	ND	20	ug/L
Dichlorofluoromethane	ND	20	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	**2200**	**500**	**ug/L**
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-4/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-004 **Work Order #...:** GPGDL2AA **Matrix.....:** WG

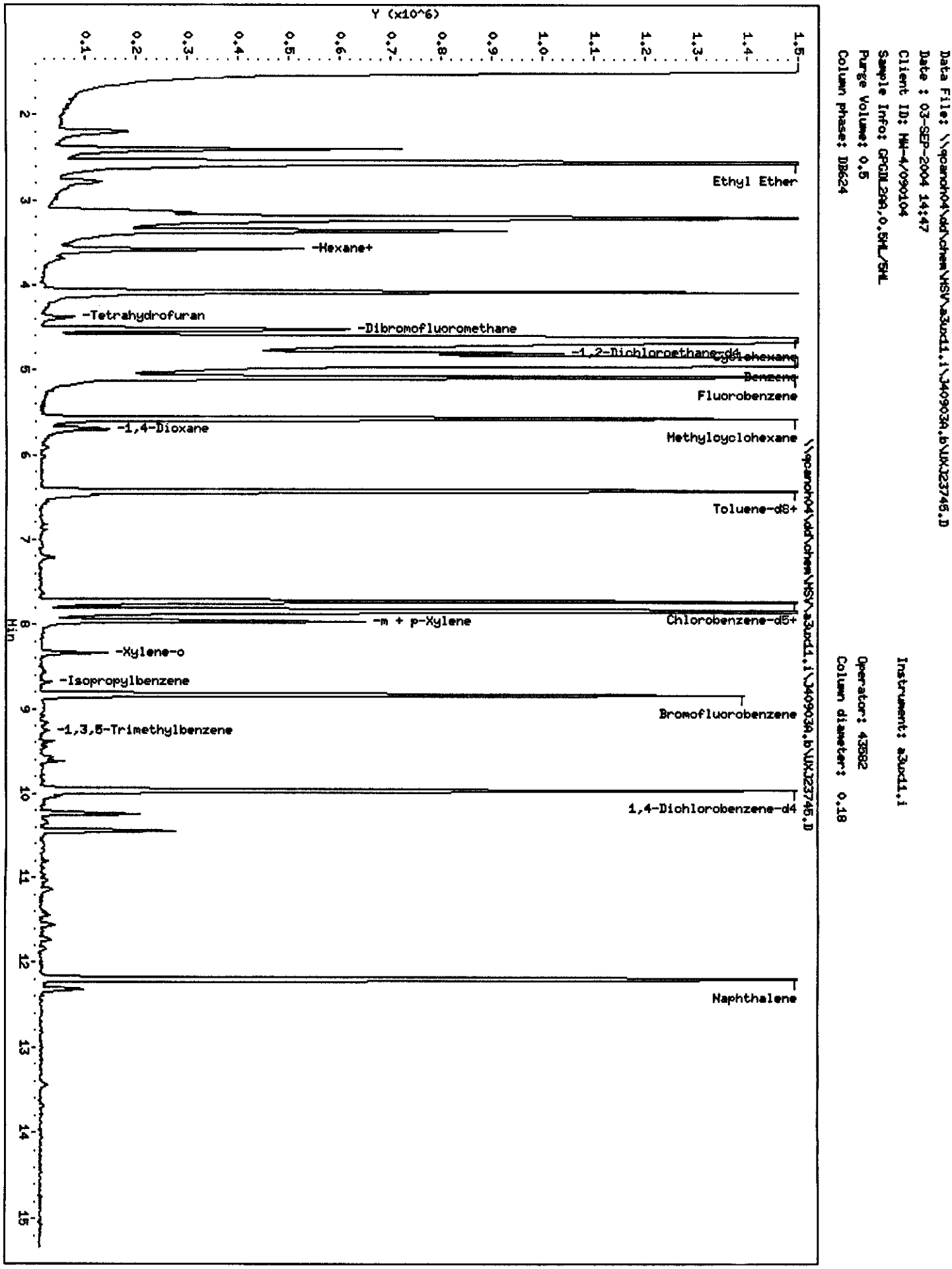
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutanol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L
Methylene chloride	ND	10	ug/L
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	**2.9 J**	**10**	**ug/L**
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	ND	10	ug/L
Xylenes (total)	**32**	**20**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.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Date : 03-SEP-2004 14:47
Client ID: MW-4/090104
Sample Info: GPGDL2AA,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Ethyl Ether
-Hexane+
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Cyclohexane
Benzene
Fluorobenzene
-1,4-Dioxane
Methylcyclohexane
Toluene-d8+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o
-Isopropylbenzene
Bromofluorobenzene
-1,3,5-Trimethylbenzene
1,4-Dichlorobenzene-d4
Naphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23745.D
Report Date: 07-Sep-2004 09:44

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23745.D
Lab Smp Id: GPGDL2AA Client Smp ID: MW-4/090104
Inj Date : 03-SEP-2004 14:47
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDL2AA,0.5ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1926531	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1302206	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	648246	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	448941	49.5165	99.033
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	602966	50.2169	100.43
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1558977	49.9693	99.938
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	589679	44.5980	89.196
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23745.D
Report Date: 07-Sep-2004 09:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	3.574	3.574	(0.702)	46341	27.7575	55.515
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	28710	1.63000	3.260
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	46034	14.5861	29.172
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.852	4.863	(0.953)	28444412	655.947	1311.9(A)
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.692	5.680	(1.119)	132617	1076.60	2153.2(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.485	6.484	(0.838)	53521	1.45469	2.909
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.763	7.762	(1.003)	26392	1.03526	2.070
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	7.964	7.964	(1.029)	208462	13.4986	26.997
M	63 Xylenes (total)	106				248755	16.2141	32.428
	64 Xylene-o	106	8.342	8.342	(1.078)	40293	2.71547	5.431
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23745.D
Report Date: 07-Sep-2004 09:44

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	8.685	8.685	(1.122)	17510	3.08142	6.163
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	6525	2.57262	5.145
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.200	12.200	(1.224)	2512428	154.488	308.98
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	3269419	344.169	688.34(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	9267194	559.955	1119.9(A)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	593744	52.9831	105.97
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23745.D

Date : 03-SEP-2004 14:47

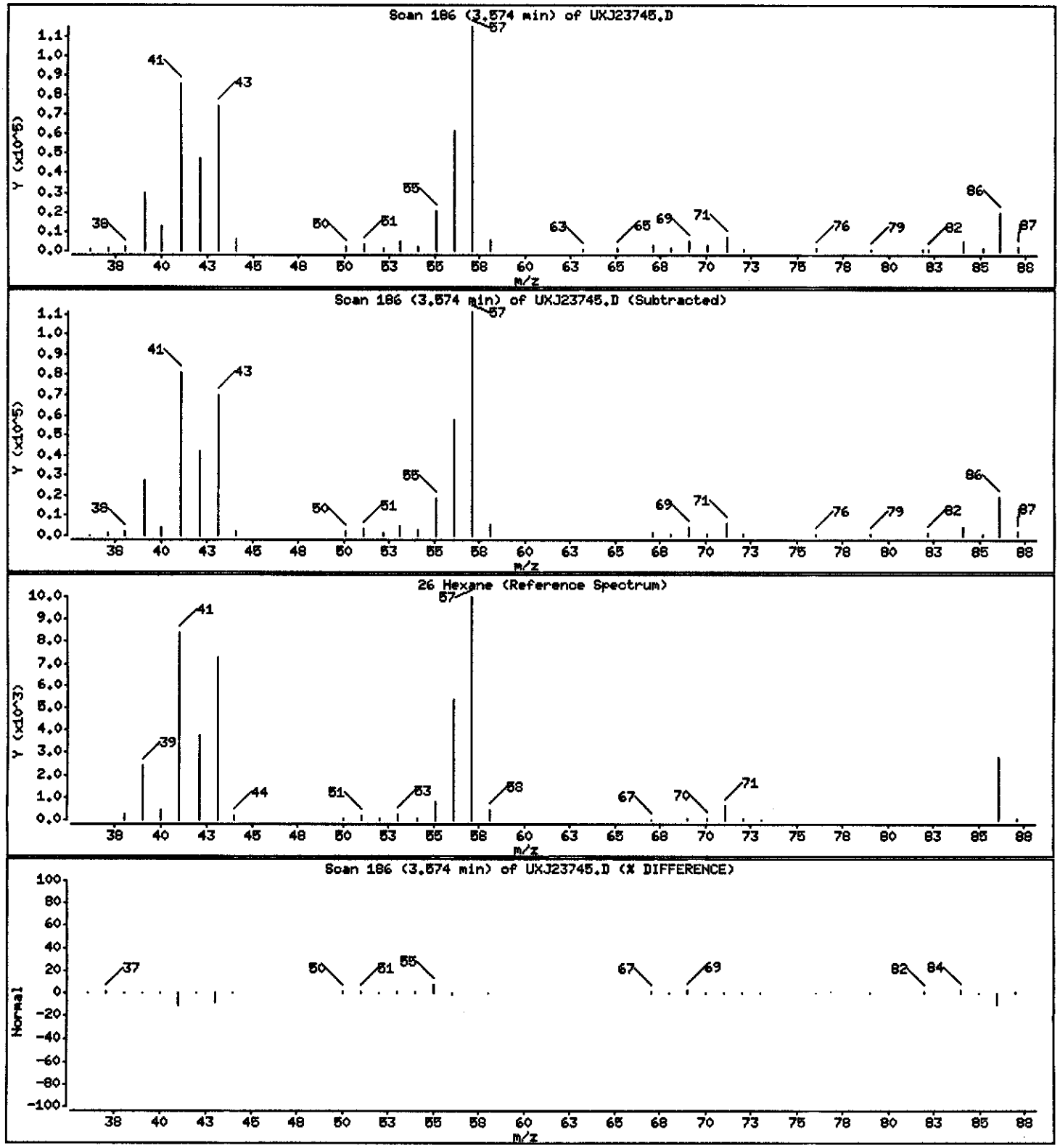
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPCDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 55.515 ug/L



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Date : 03-SEP-2004 14:47

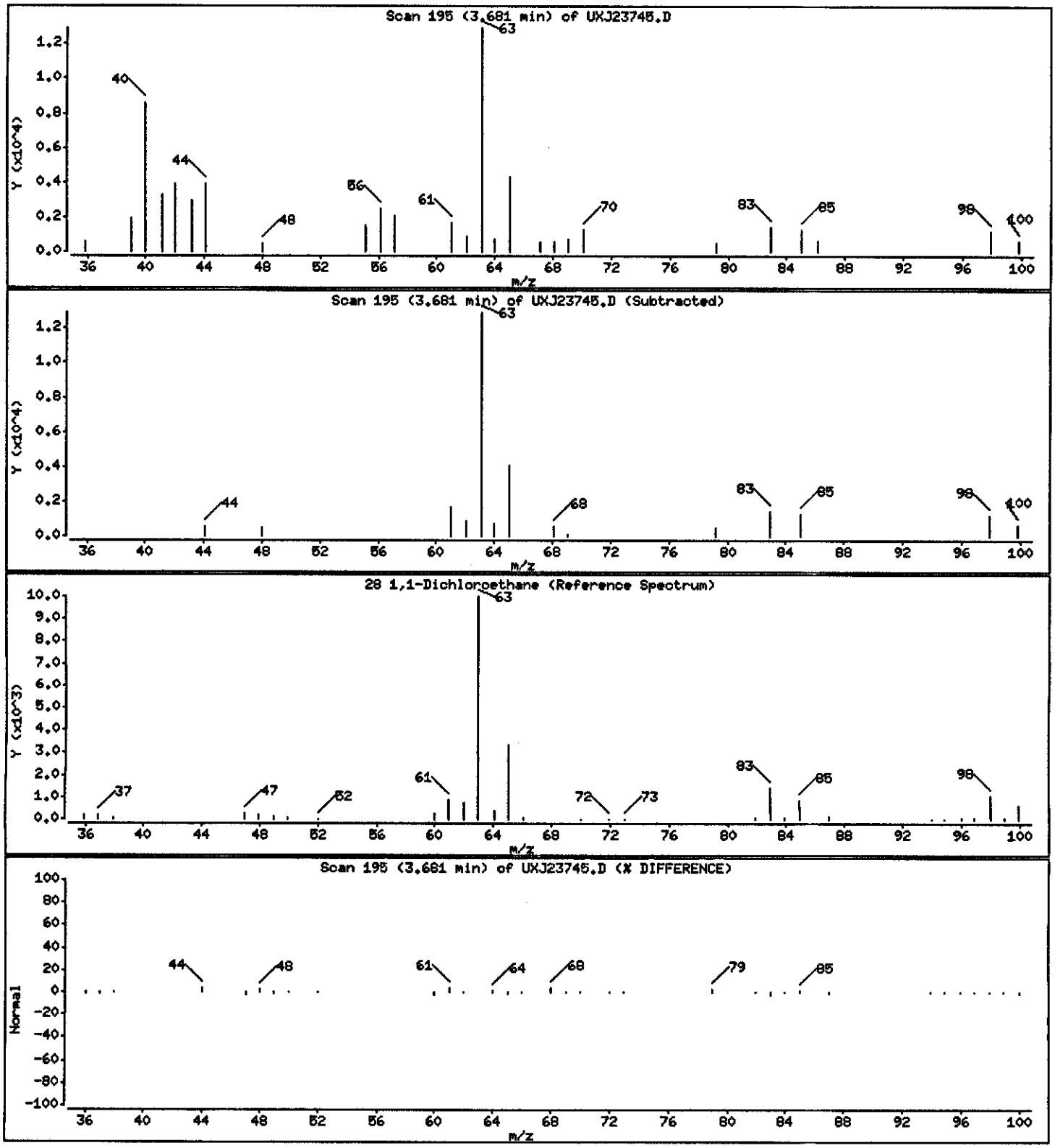
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 3.260 ug/L



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Date : 03-SEP-2004 14:47

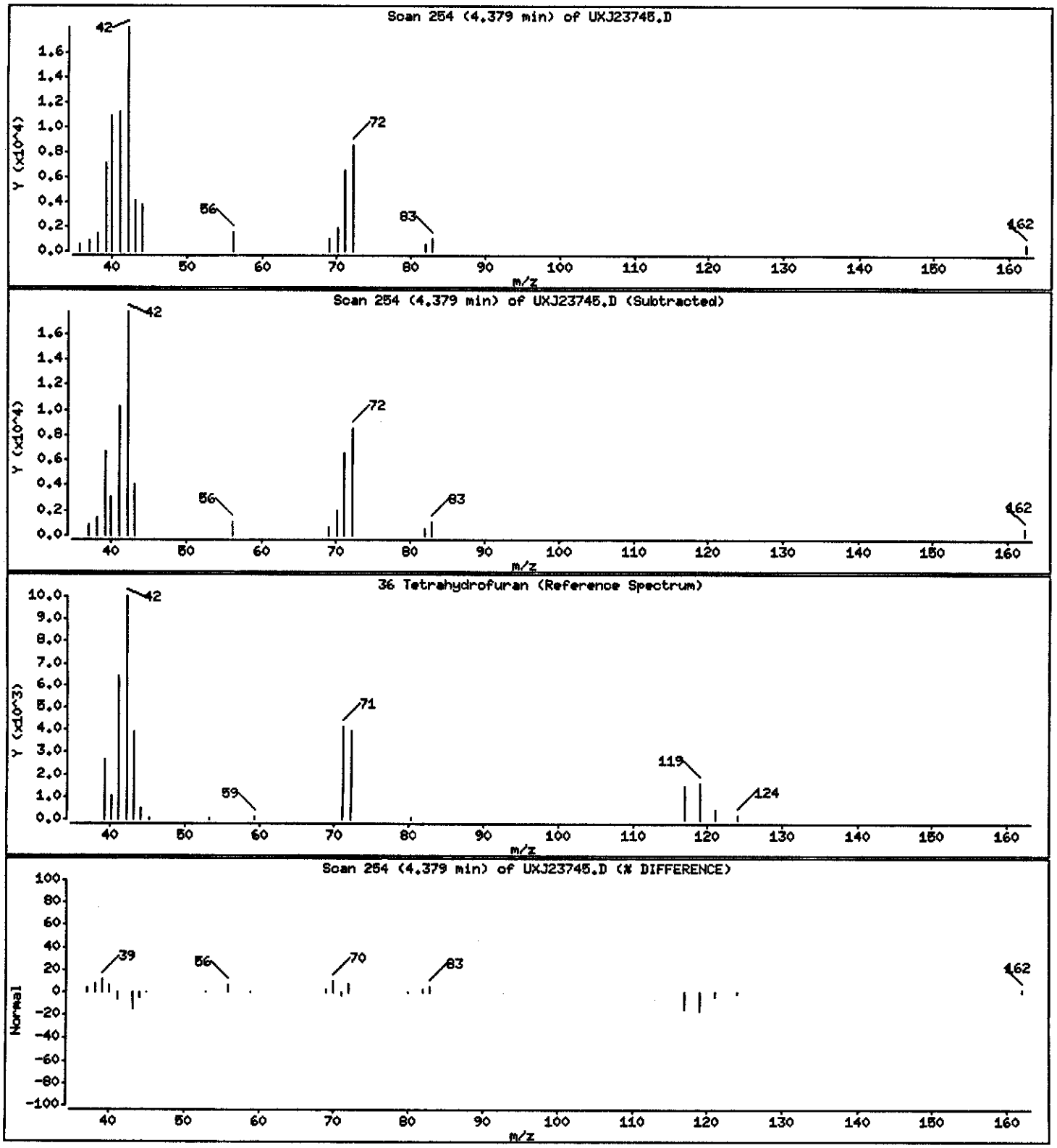
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPCDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 29.172 ug/L



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Date : 03-SEP-2004 14:47

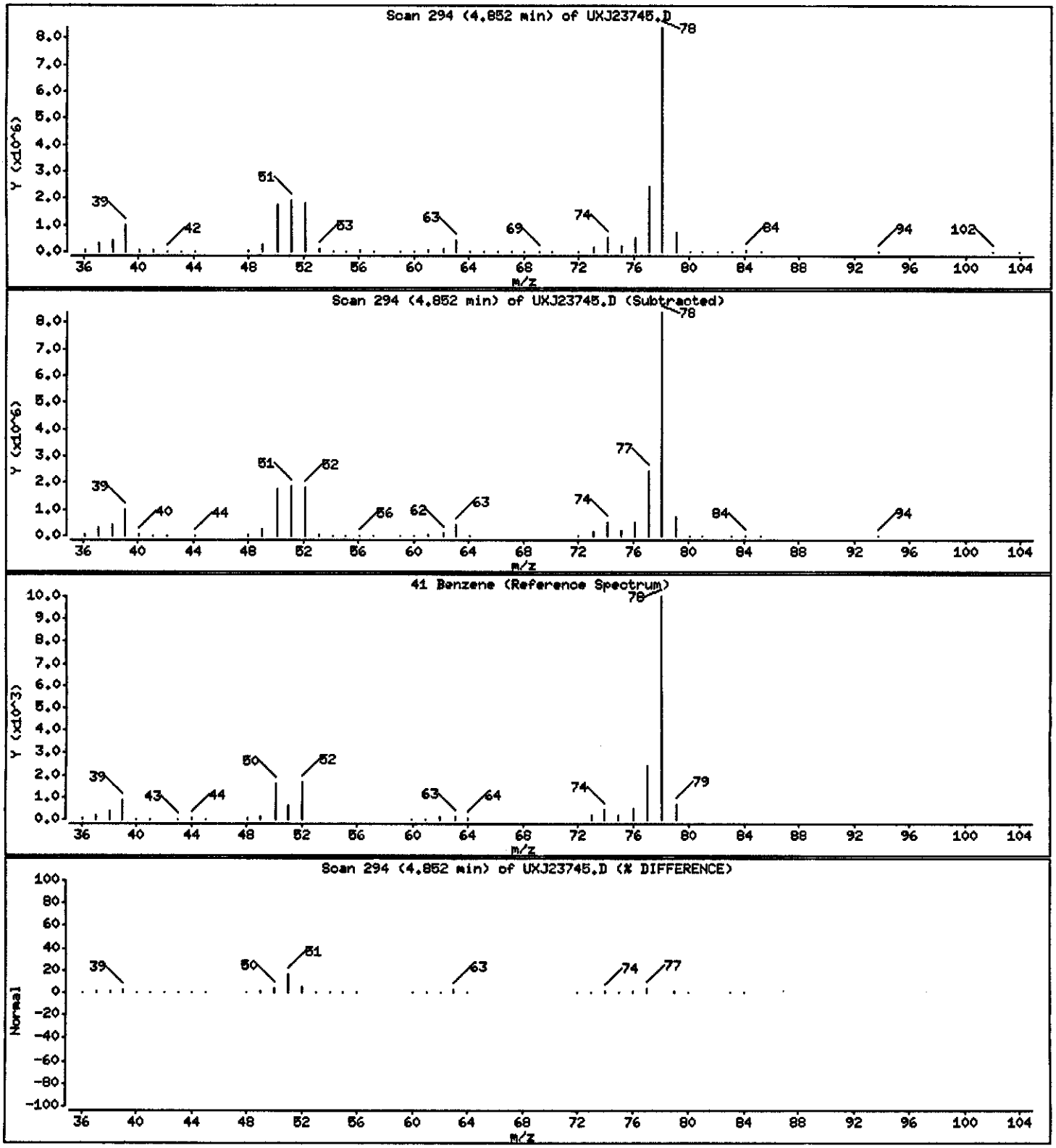
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPCDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 1311.9 ug/L



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Date : 03-SEP-2004 14:47

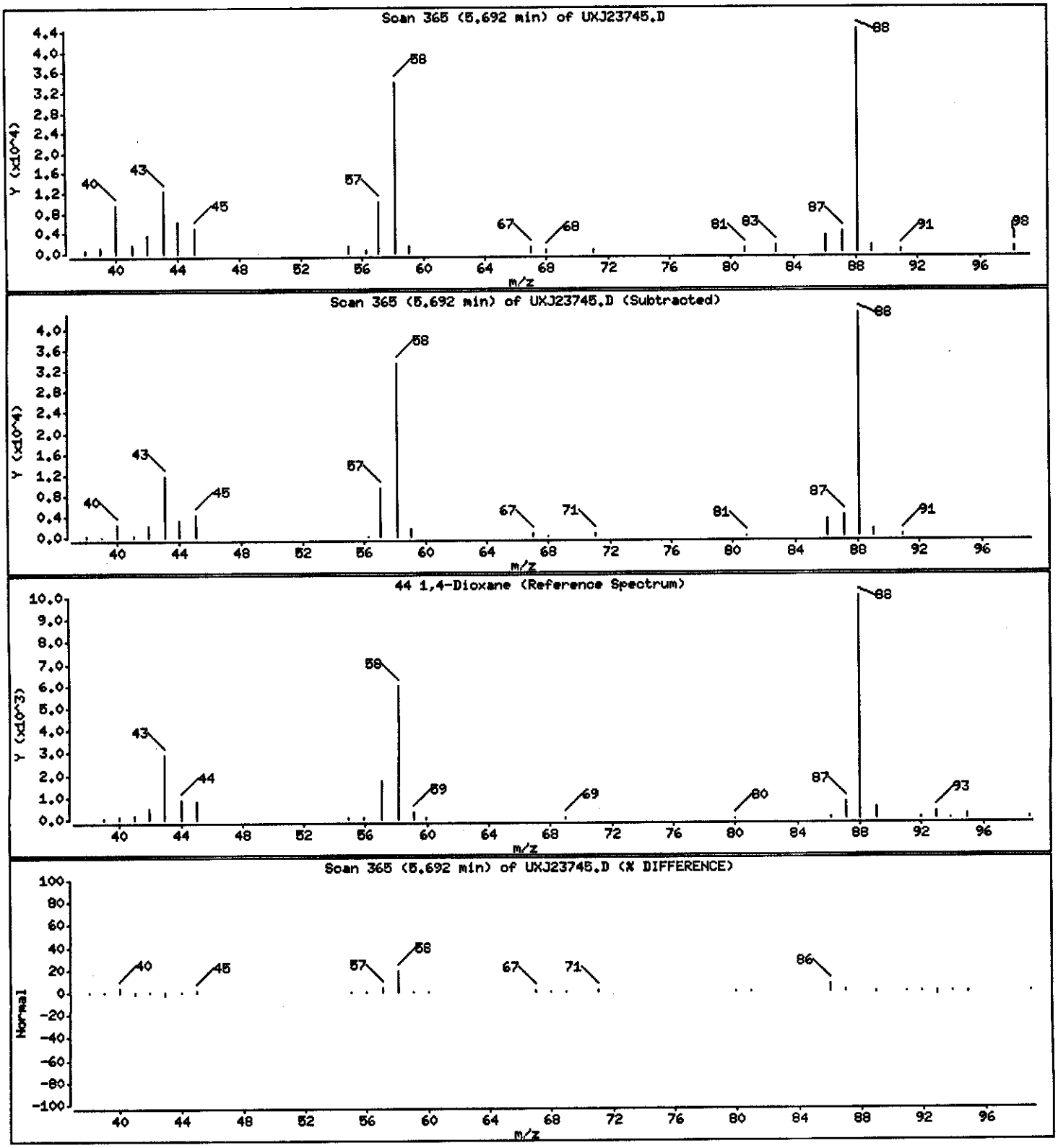
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 2153.2 ug/L



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Date : 03-SEP-2004 14:47

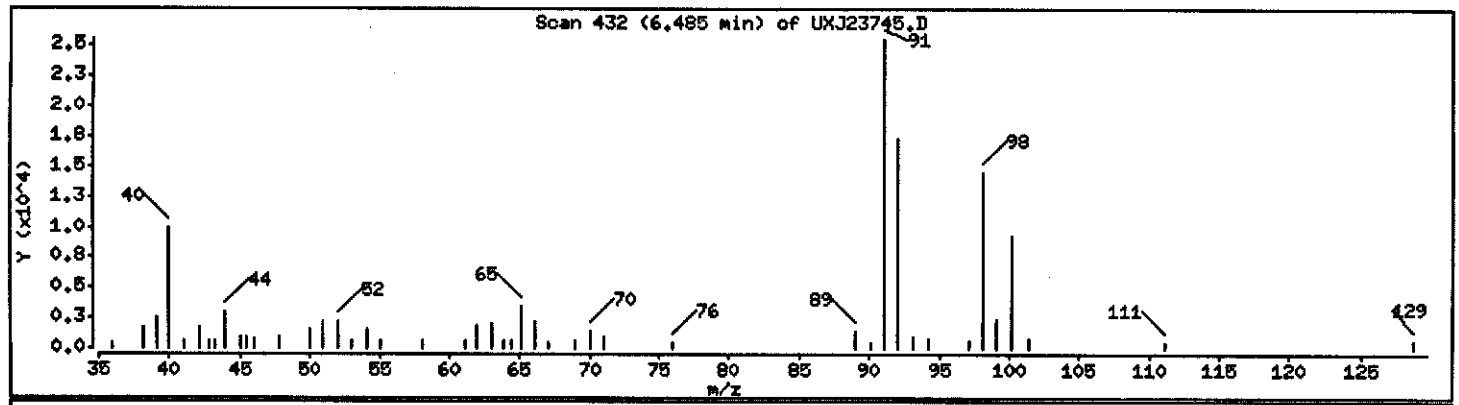
Client ID: MW-4/090104 Instrument: a3ux11.i

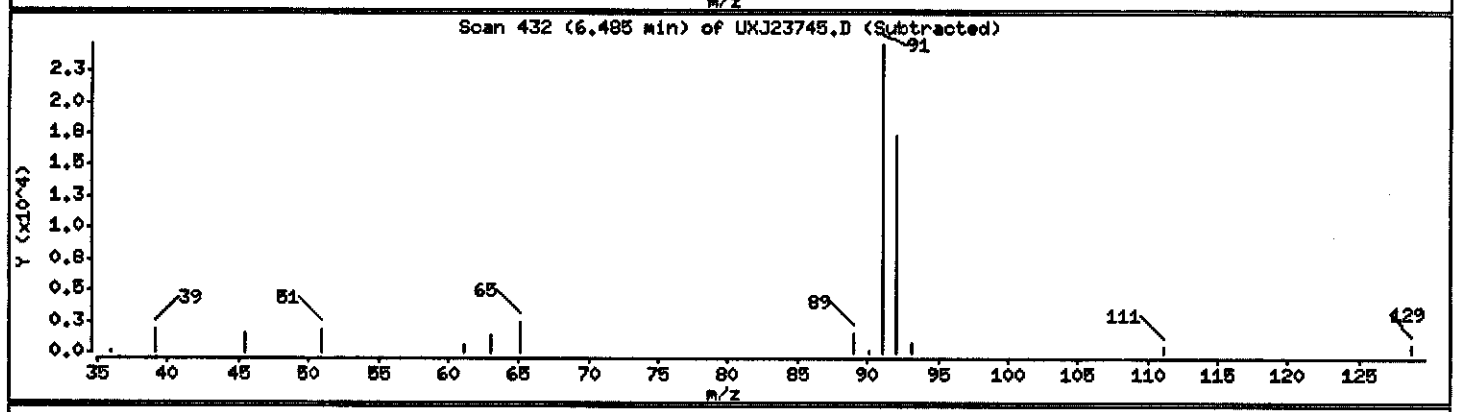
Sample Info: GPGDL2AA,0.5ML/5ML

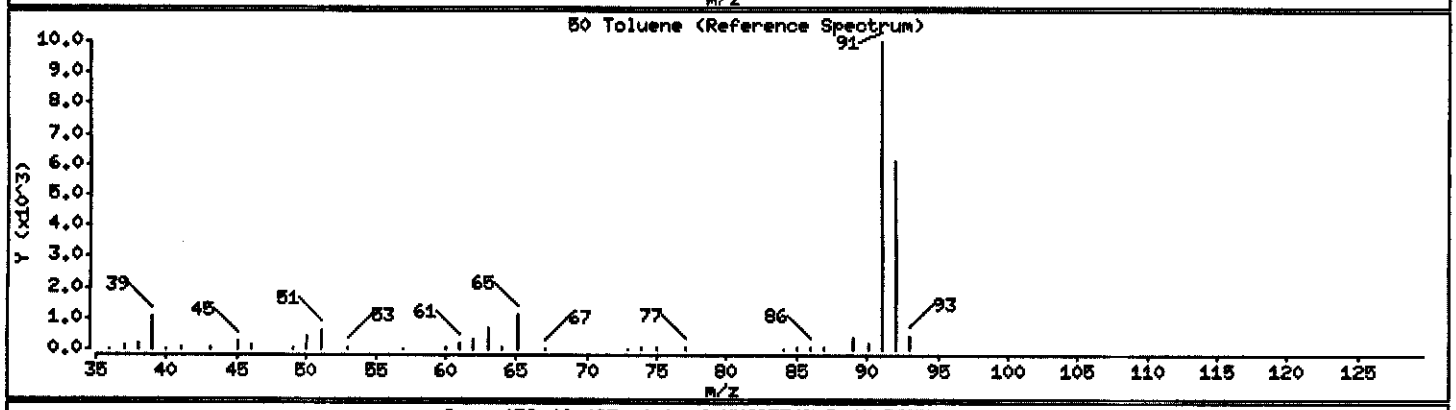
Purge Volume: 0.5 Operator: 43582

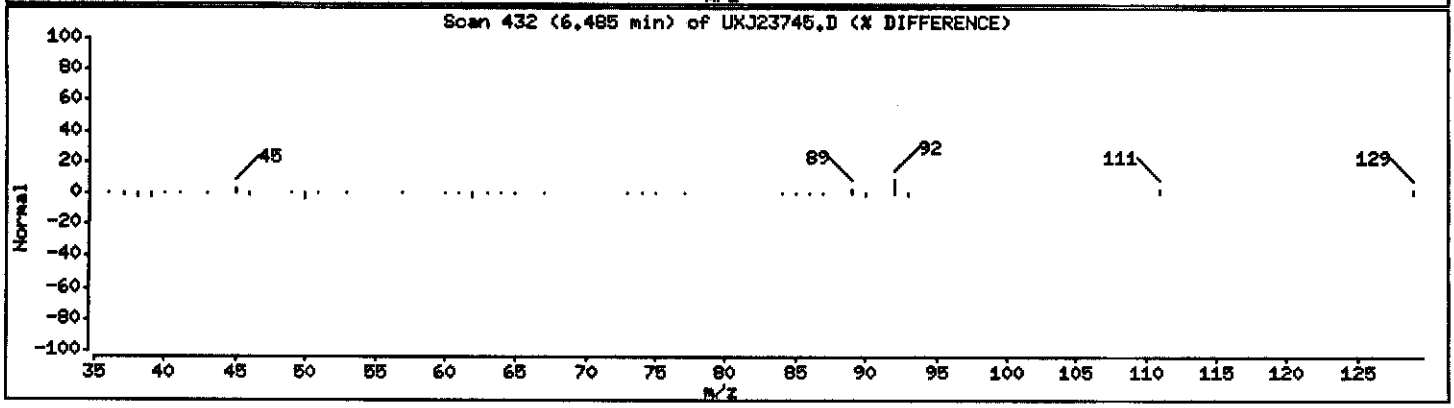
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 2.909 ug/L









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Date : 03-SEP-2004 14:47

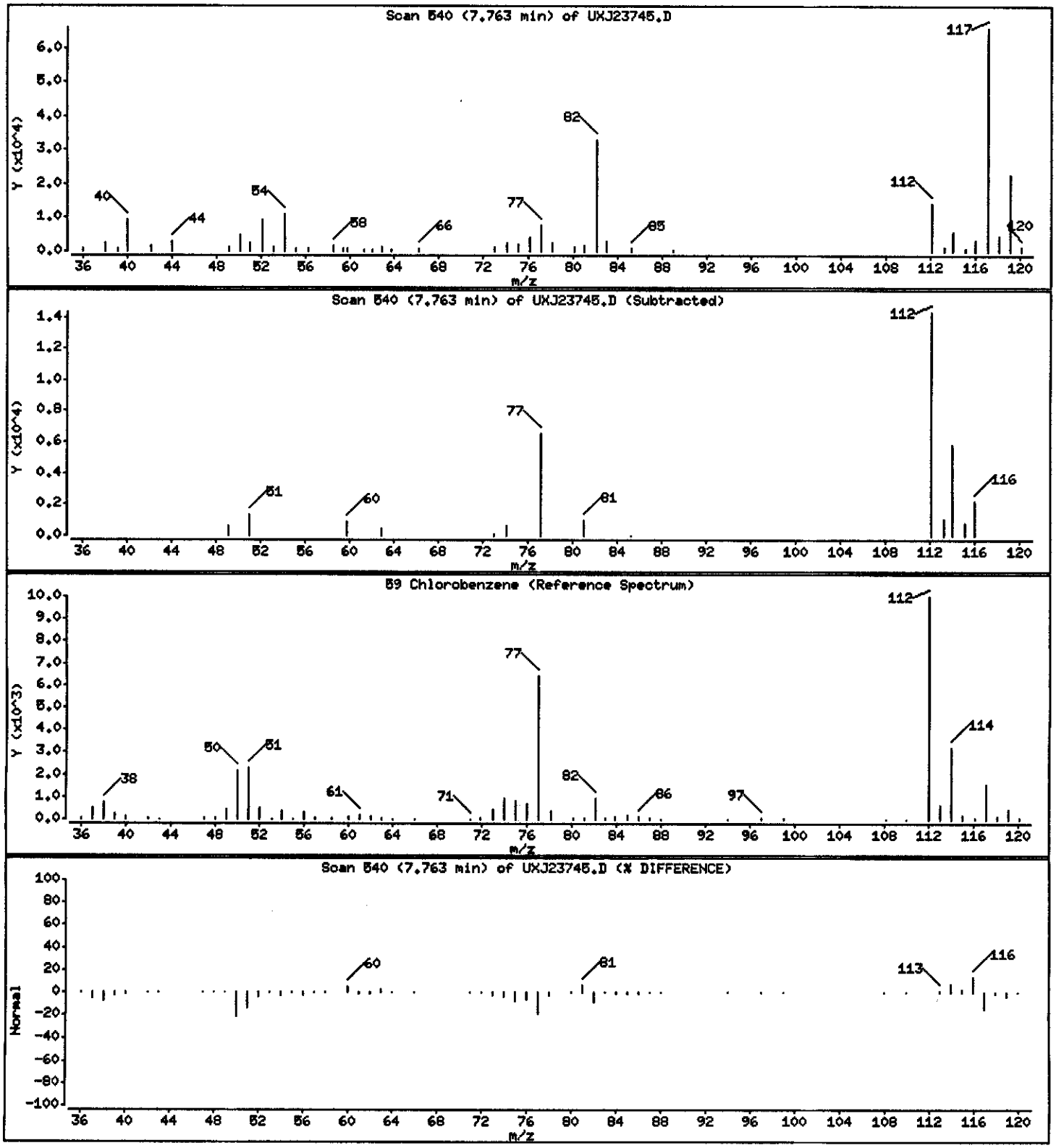
Client ID: MW-4/090104 | Instrument: a3ux11.i

Sample Info: GPGDL2AA,0.5ML/5ML

Purge Volume: 0.5 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

59 Chlorobenzene | Concentration: 2.070 ug/L



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Date : 03-SEP-2004 14:47

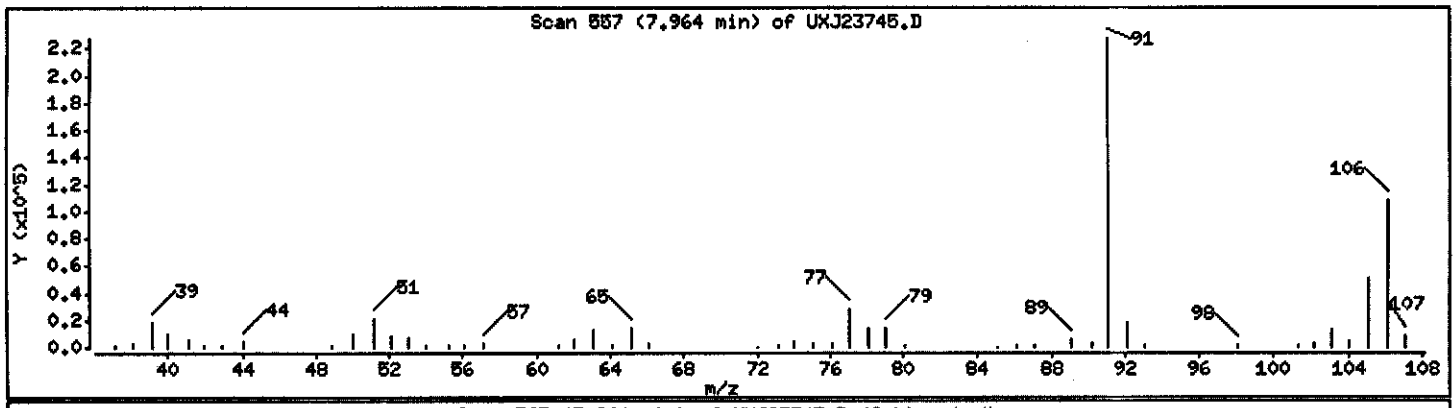
Client ID: MW-4/090104 Instrument: a3ux11.i

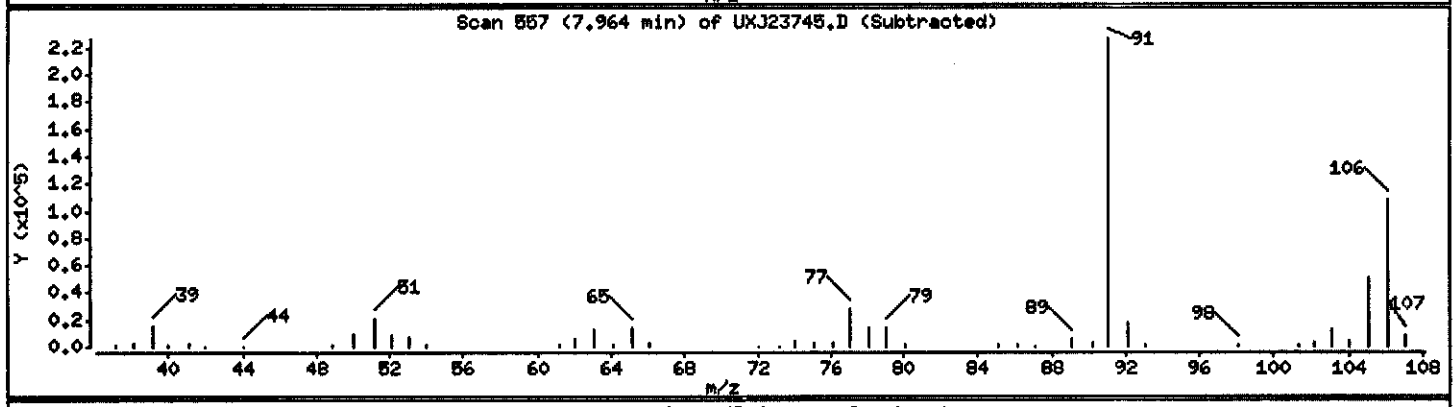
Sample Info: GPGDL2AA,0.5ML/5ML

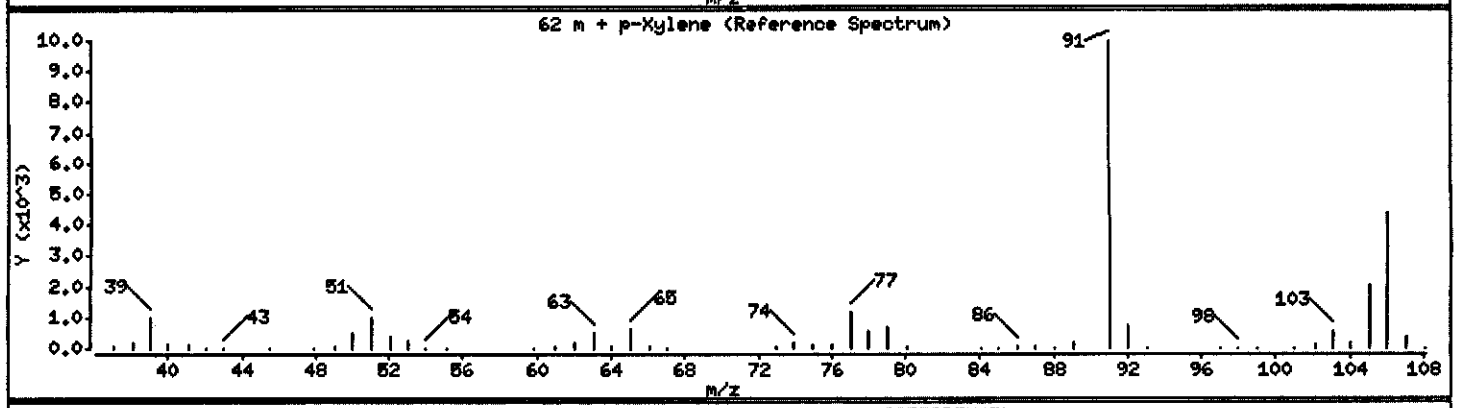
Purge Volume: 0.5 Operator: 43582

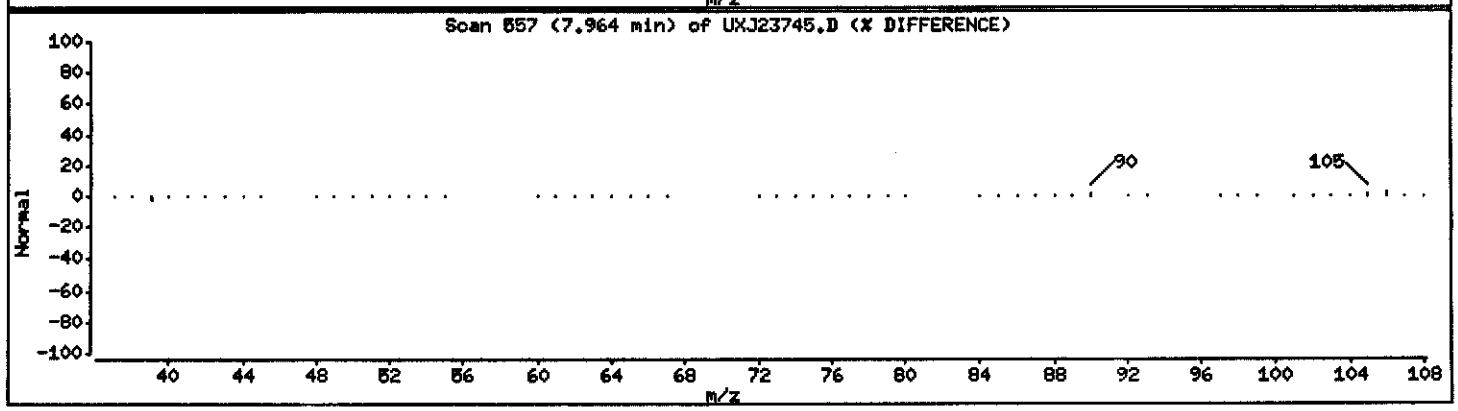
Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 26.997 ug/L









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Date : 03-SEP-2004 14:47

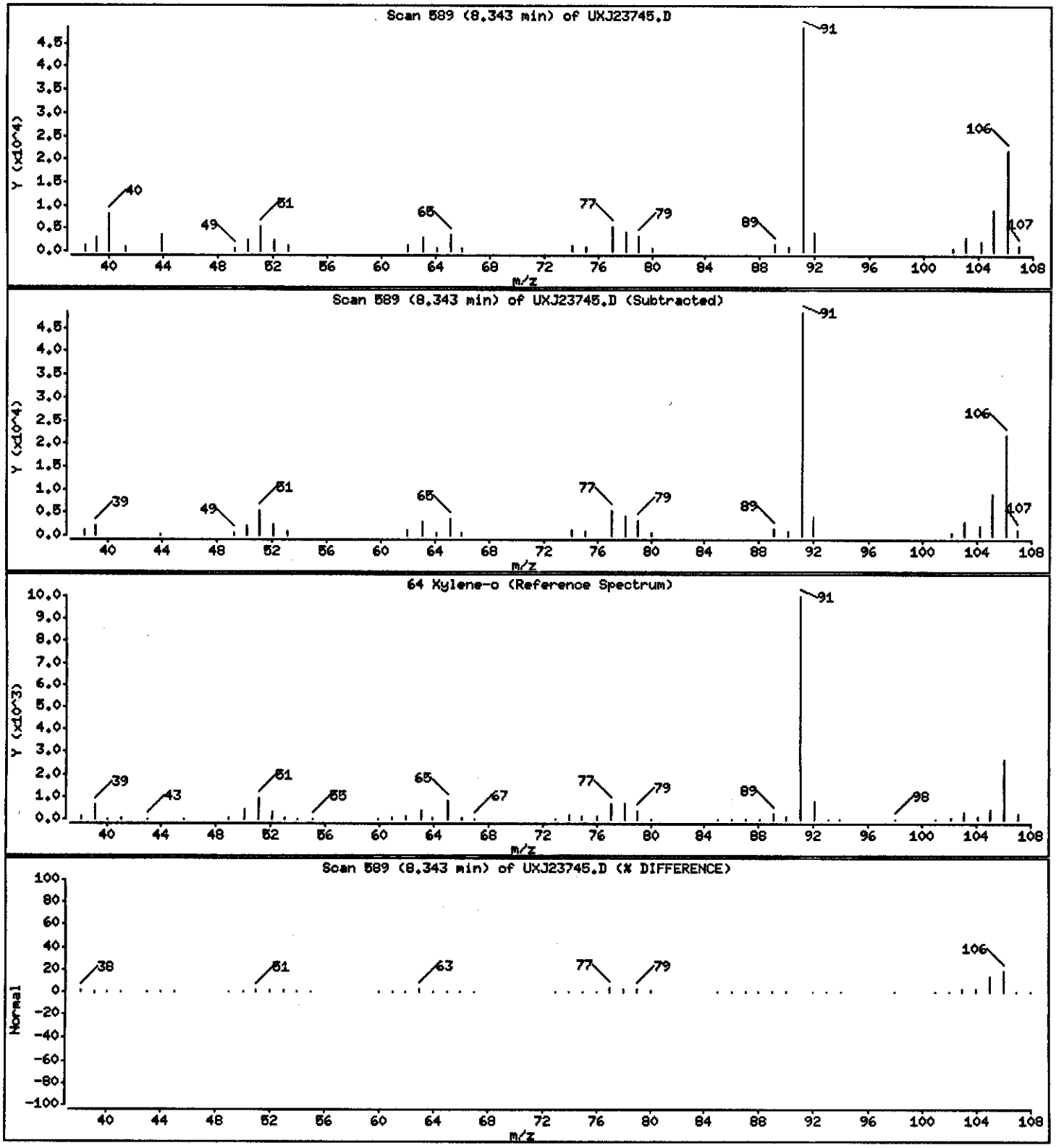
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPCDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 5.431 ug/L



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Date : 03-SEP-2004 14:47

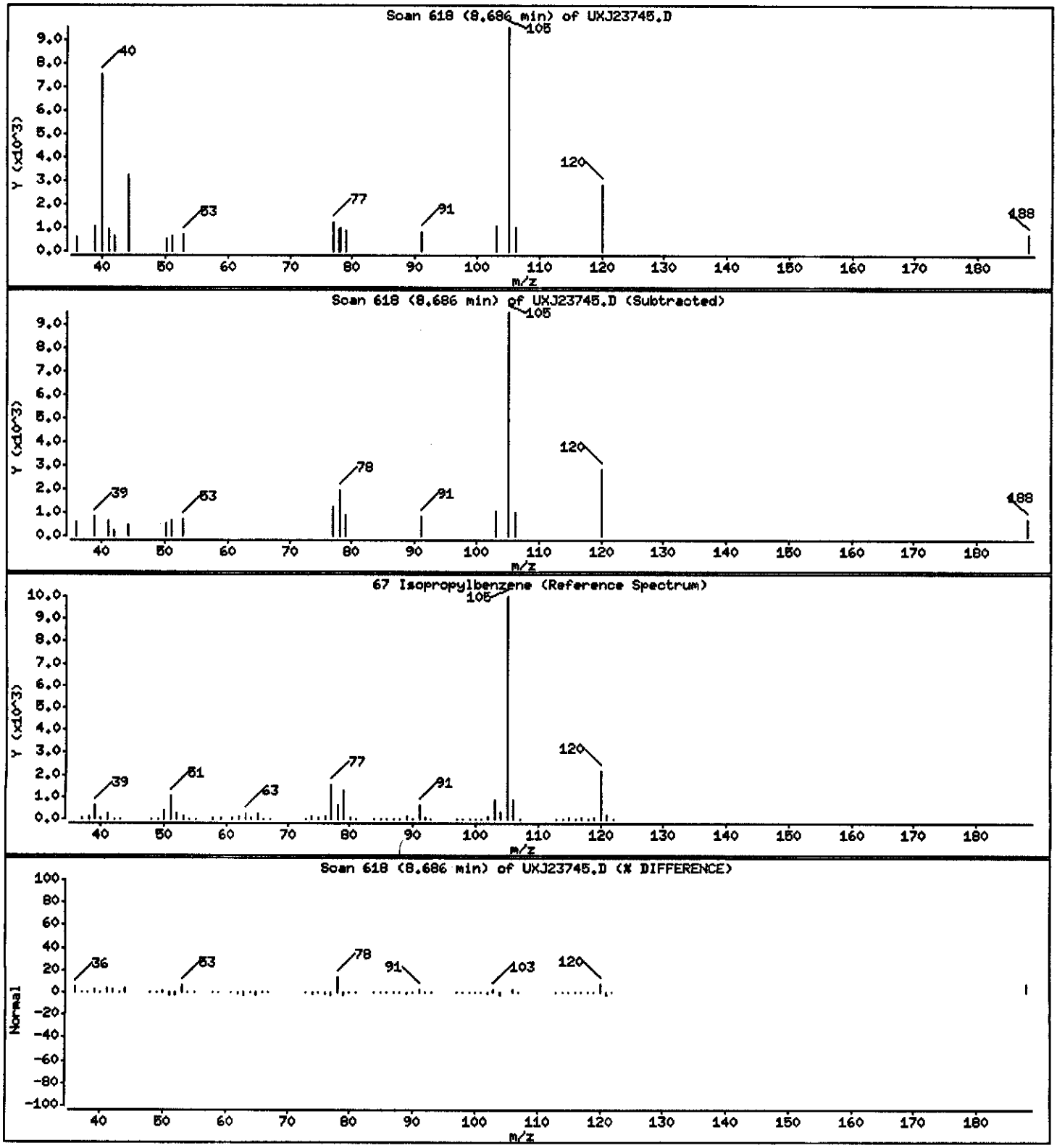
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 6.163 ug/L



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Date : 03-SEP-2004 14:47

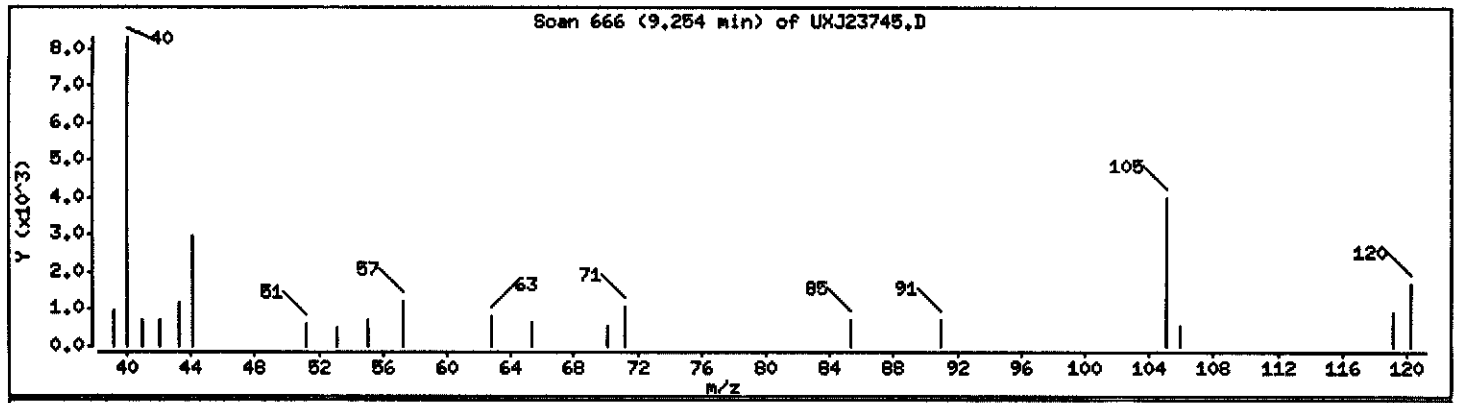
Client ID: MW-4/090104 Instrument: a3ux11.i

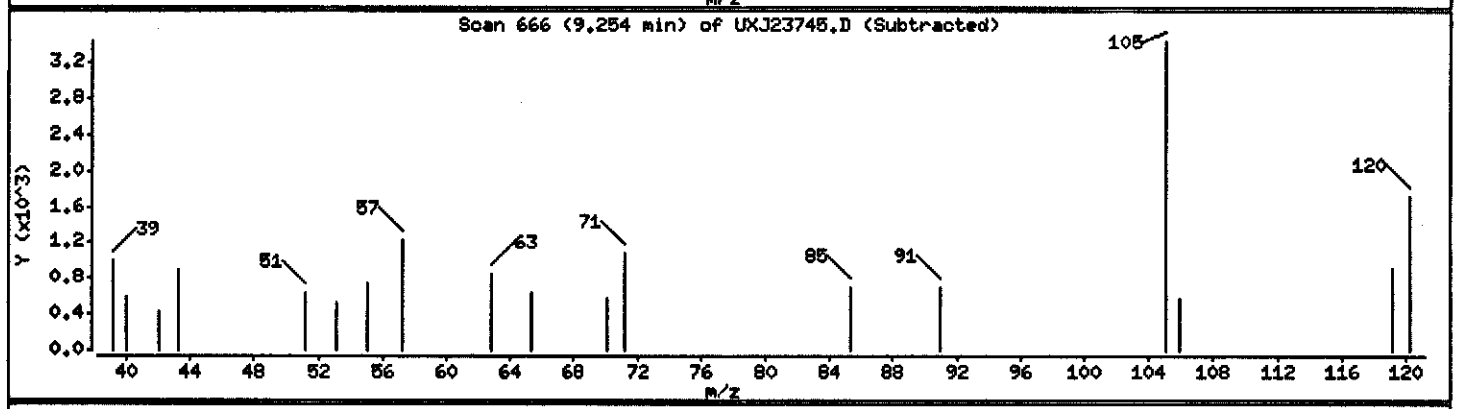
Sample Info: GPGDL2AA,0.5ML/5ML

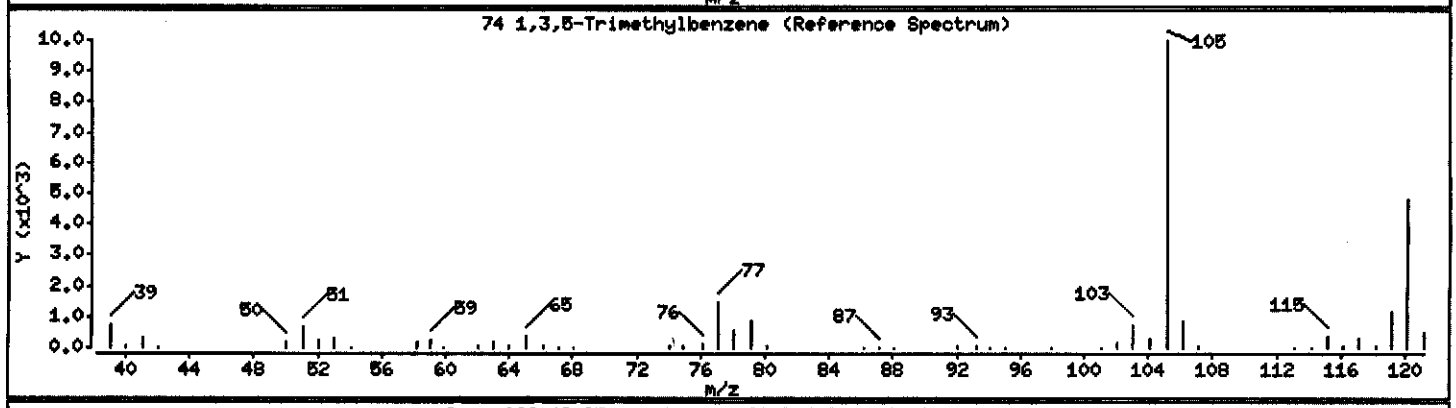
Purge Volume: 0.5 Operator: 43582

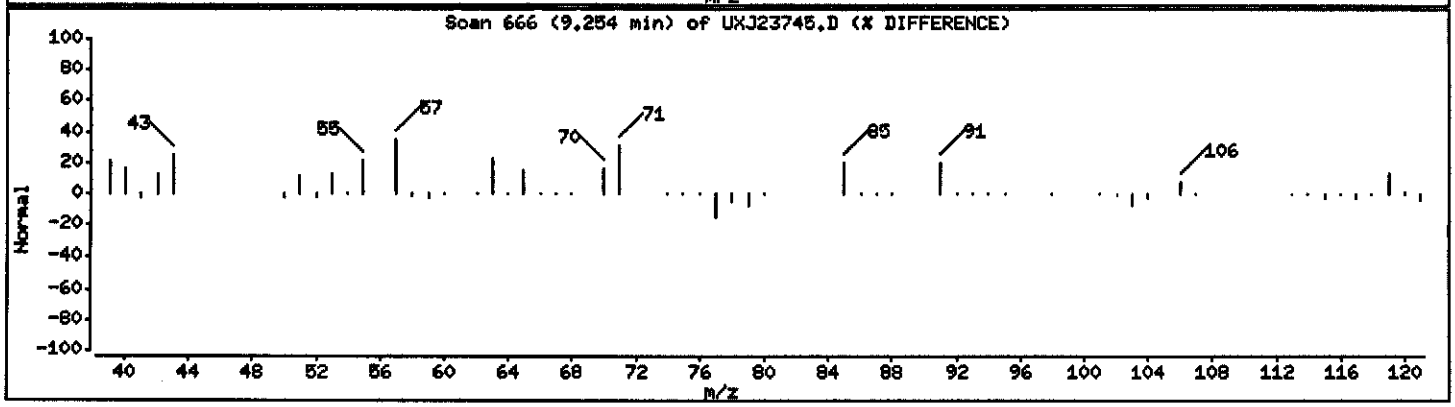
Column phase: DB624 Column diameter: 0.18

74 1,3,5-Trimethylbenzene Concentration: 5.145 ug/L









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Date : 03-SEP-2004 14:47

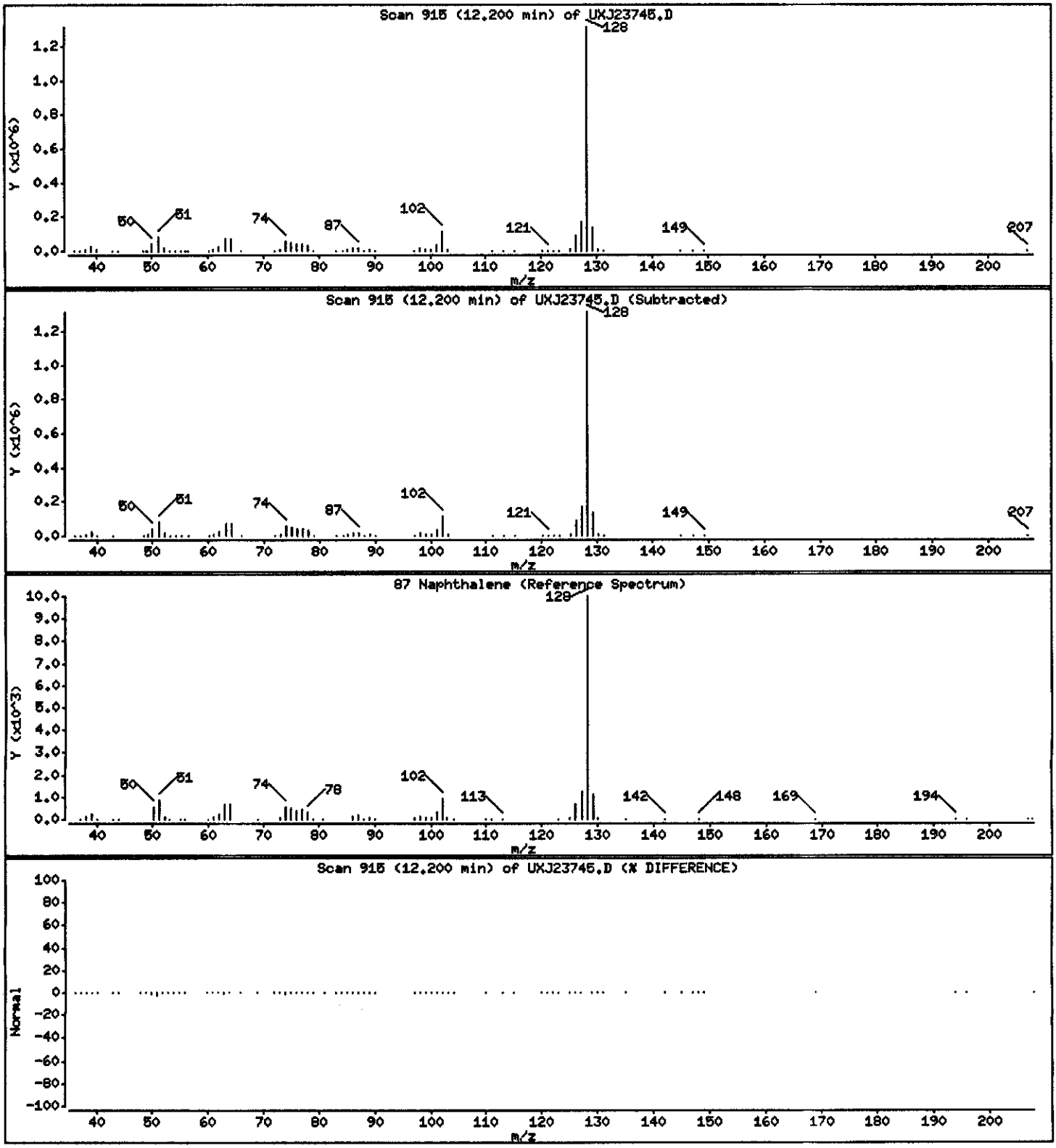
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: CPCDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 308.98 ug/L



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Date : 03-SEP-2004 14:47

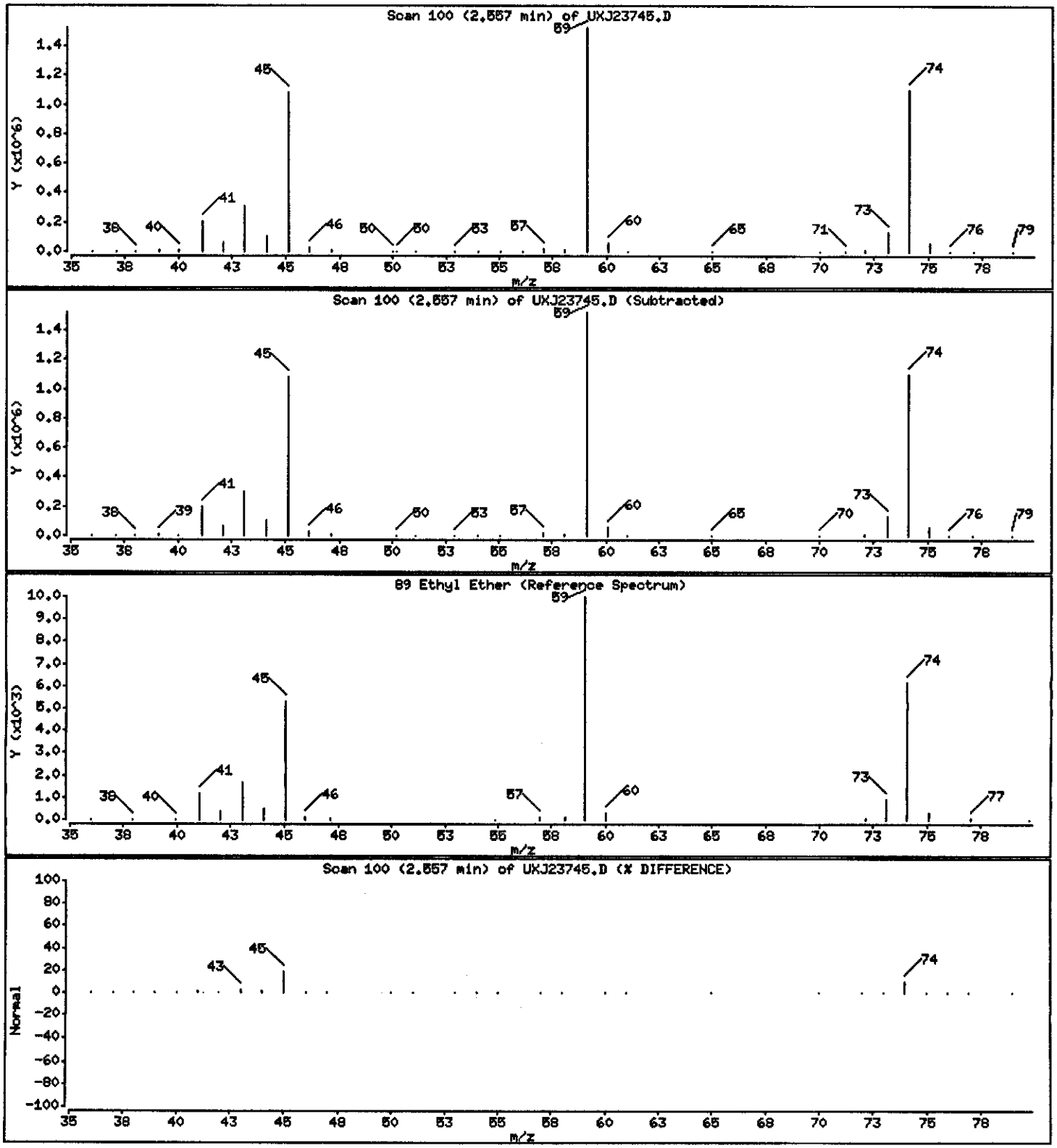
Client ID: MW-4/090104 Instrument: a3ux11.i

Sample Info: GPGDL2AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 688.34 ug/L



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Date : 03-SEP-2004 14:47

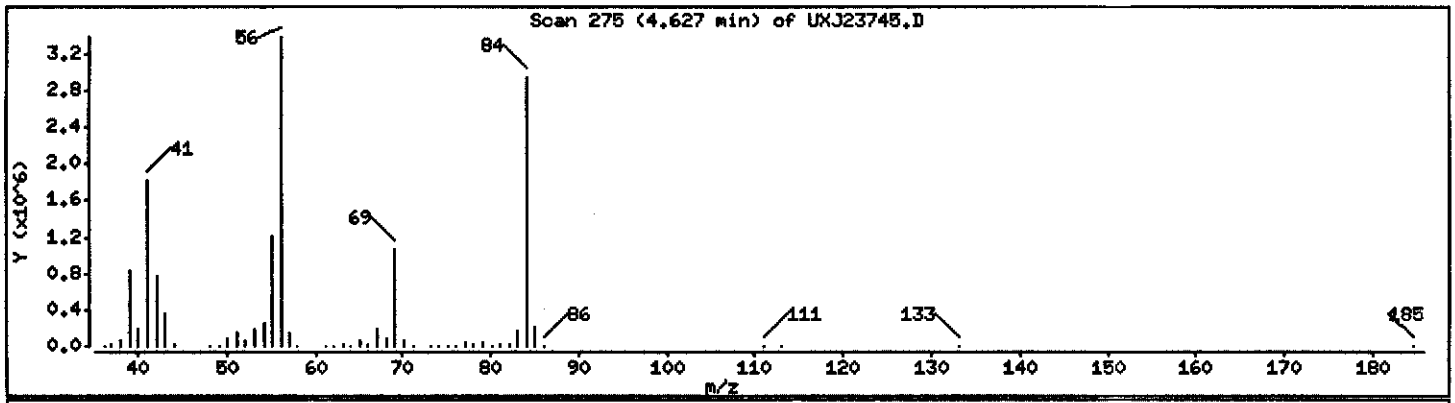
Client ID: MW-4/090104 Instrument: a3ux11.i

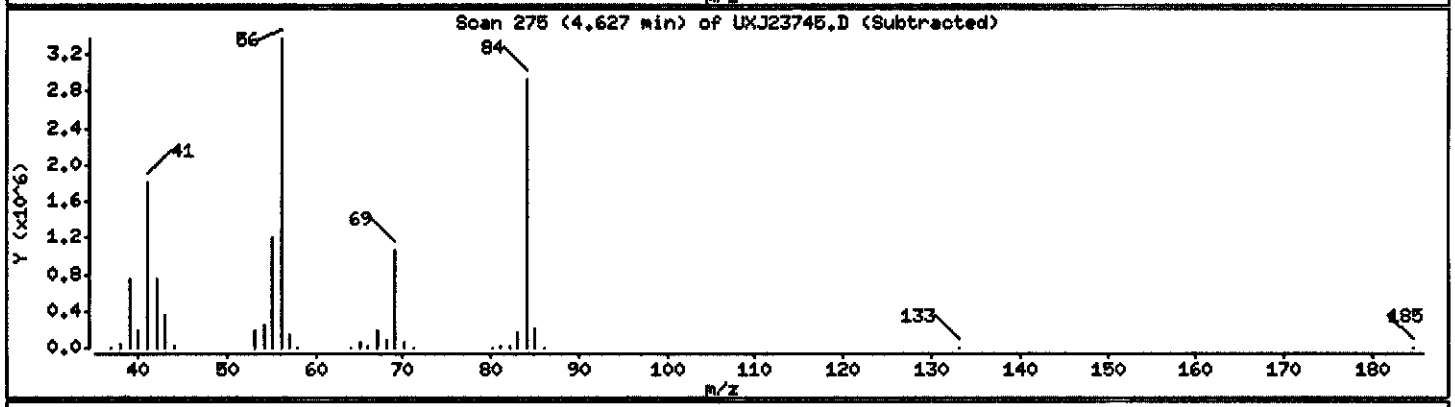
Sample Info: GPGDL2AA,0.5ML/5ML

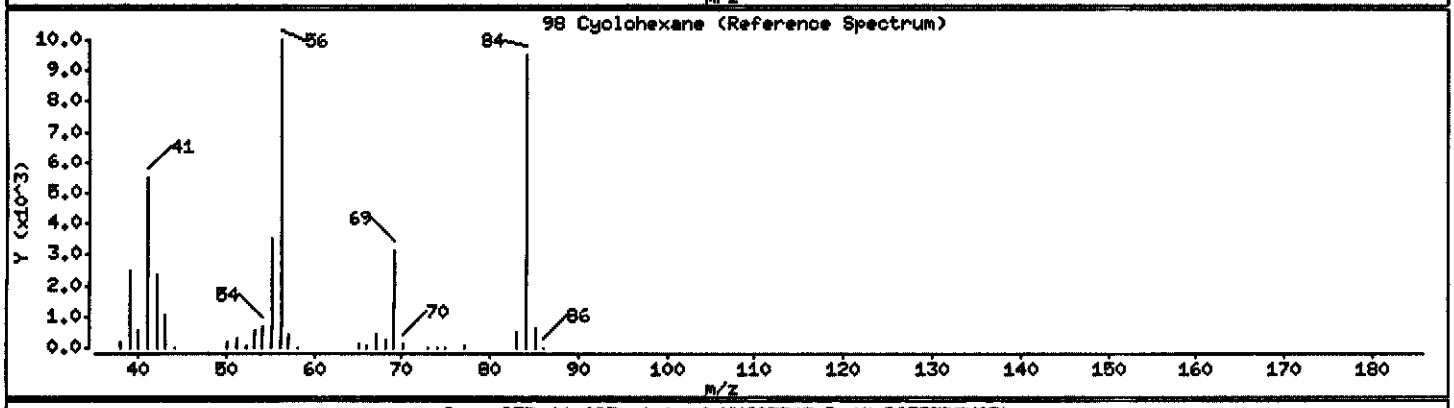
Purge Volume: 0.5 Operator: 43582

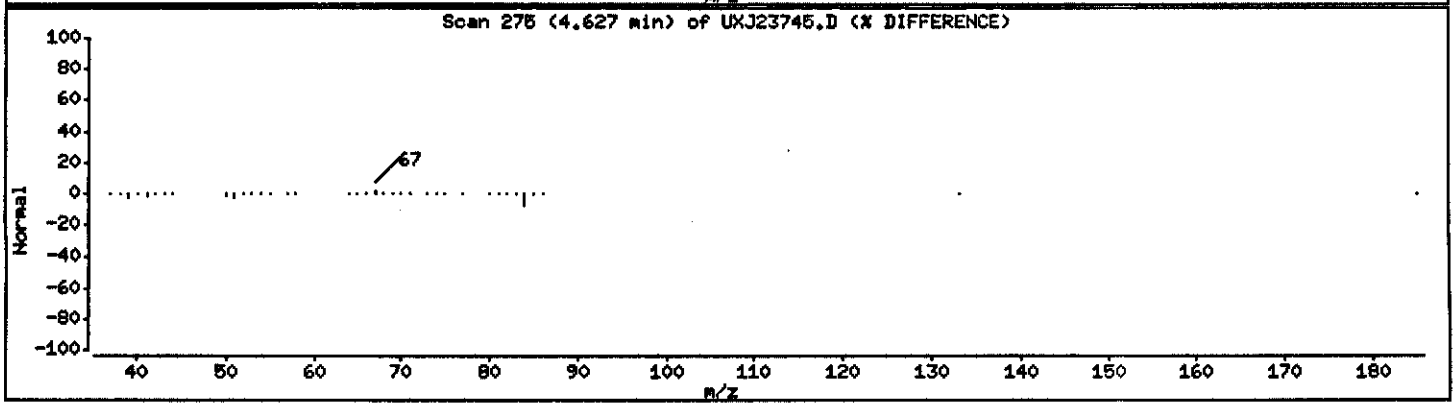
Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 1119.9 ug/L









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Date : 03-SEP-2004 14:47

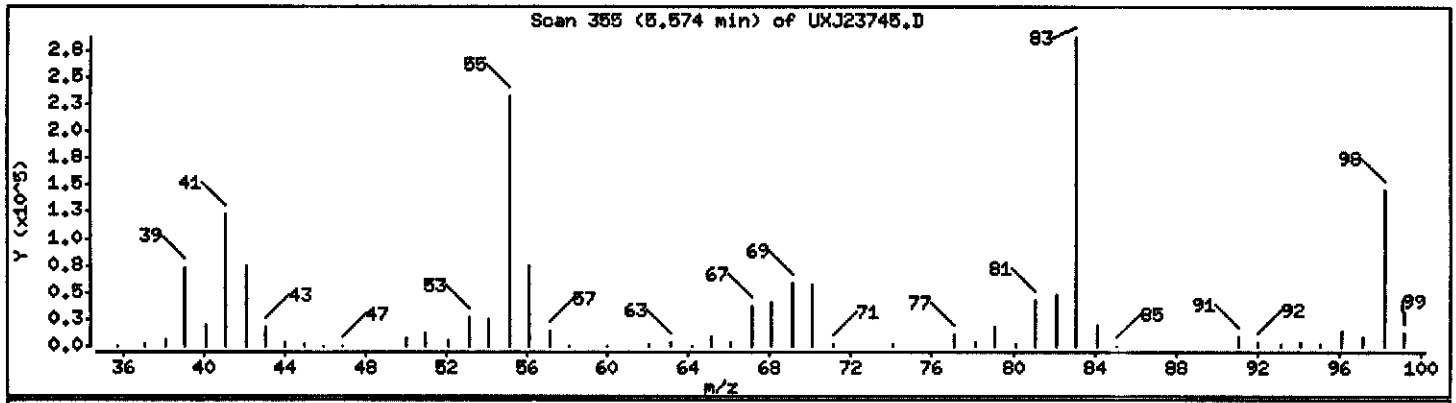
Client ID: MW-4/090104 Instrument: a3ux11.i

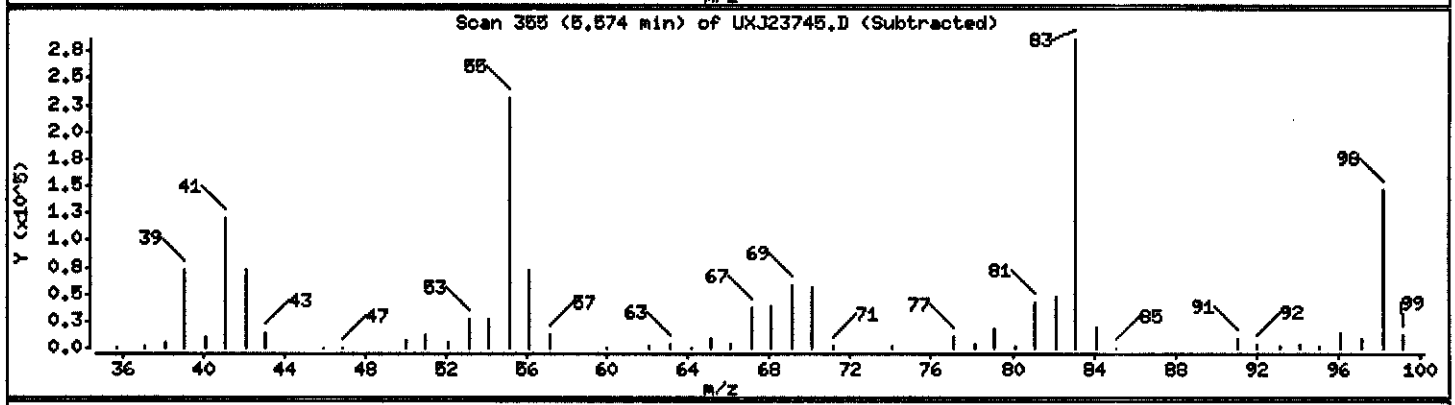
Sample Info: GPCDL2AA,0.5ML/5ML

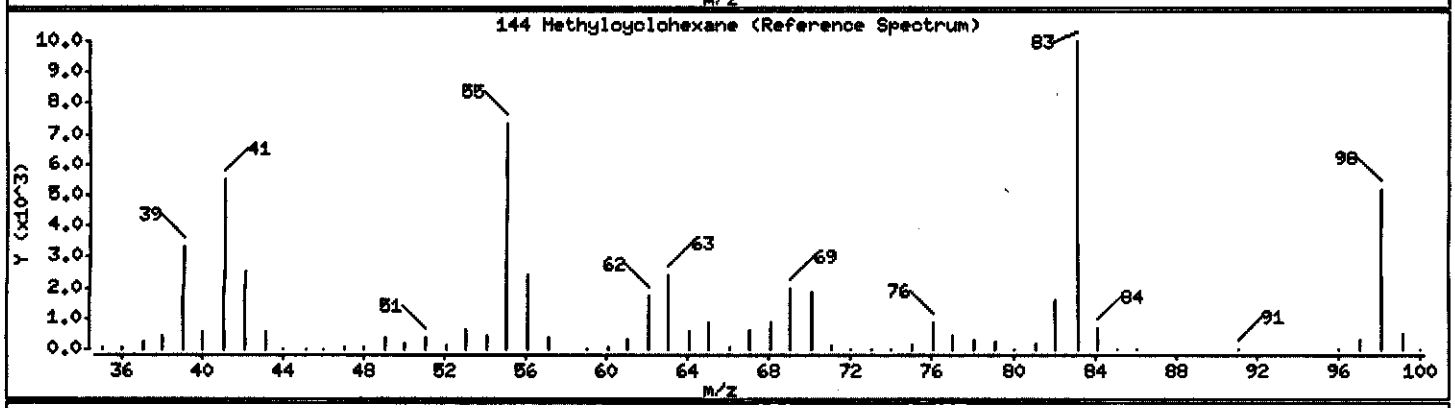
Purge Volume: 0.5 Operator: 43582

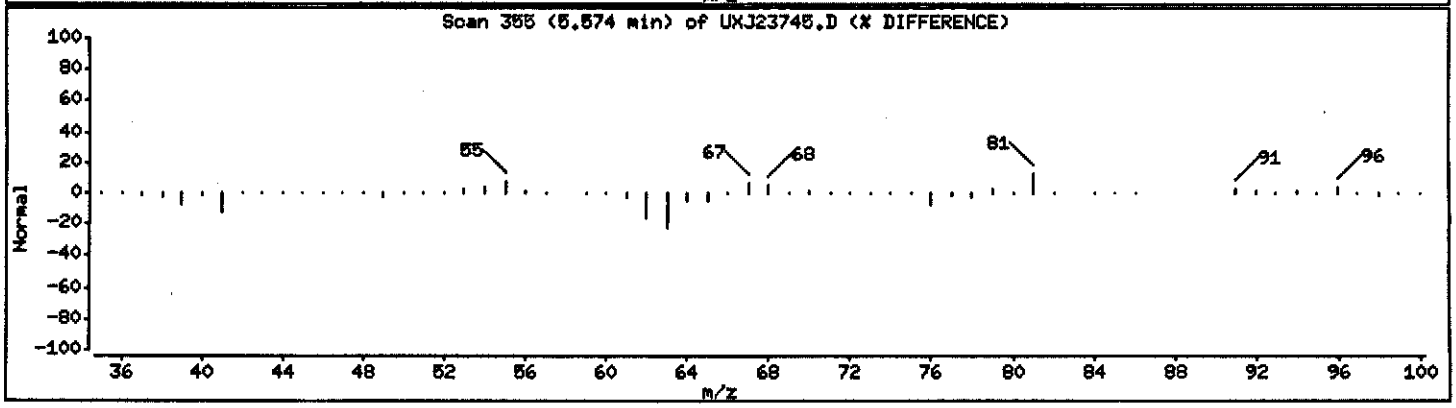
Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 105.97 ug/L









PAYNE FIRM INC.

Client Sample ID: MW-35/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-005 **Work Order #...:** GPGDM1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 09:52 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 8 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	80	ug/L
Acetonitrile	ND	160	ug/L
Acrolein	ND	160	ug/L
Acrylonitrile	ND	160	ug/L
Benzene	ND	8.0	ug/L
Bromodichloromethane	ND	8.0	ug/L
Bromoform	ND	8.0	ug/L
Bromomethane	ND	8.0	ug/L
2-Butanone	ND	80	ug/L
Carbon disulfide	ND	8.0	ug/L
Carbon tetrachloride	**89**	**8.0**	**ug/L**
Chlorobenzene	ND	8.0	ug/L
Chloroprene	ND	16	ug/L
Dibromochloromethane	ND	8.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	**240**	**8.0**	**ug/L**
Chloromethane	ND	8.0	ug/L
3-Chloropropene	ND	16	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	16	ug/L
1,2-Dibromoethane	ND	8.0	ug/L
Dibromomethane	ND	8.0	ug/L
trans-1,4-Dichloro-2-butene	ND	8.0	ug/L
1,1-Dichloroethane	**2.9 J**	**8.0**	**ug/L**
1,2-Dichloroethane	**11**	**8.0**	**ug/L**
cis-1,2-Dichloroethene	**3.0 J**	**8.0**	**ug/L**
trans-1,2-Dichloroethene	ND	8.0	ug/L
1,1-Dichloroethene	ND	8.0	ug/L
1,2-Dichloroethene (total)	**3.0 J**	**16**	**ug/L**
Dichlorofluoromethane	ND	16	ug/L
1,2-Dichloropropane	ND	8.0	ug/L
cis-1,3-Dichloropropene	ND	8.0	ug/L
trans-1,3-Dichloropropene	ND	8.0	ug/L
1,4-Dioxane	ND	400	ug/L
Ethylbenzene	ND	8.0	ug/L
Ethyl methacrylate	ND	8.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-35/090104

GC/MS Volatiles

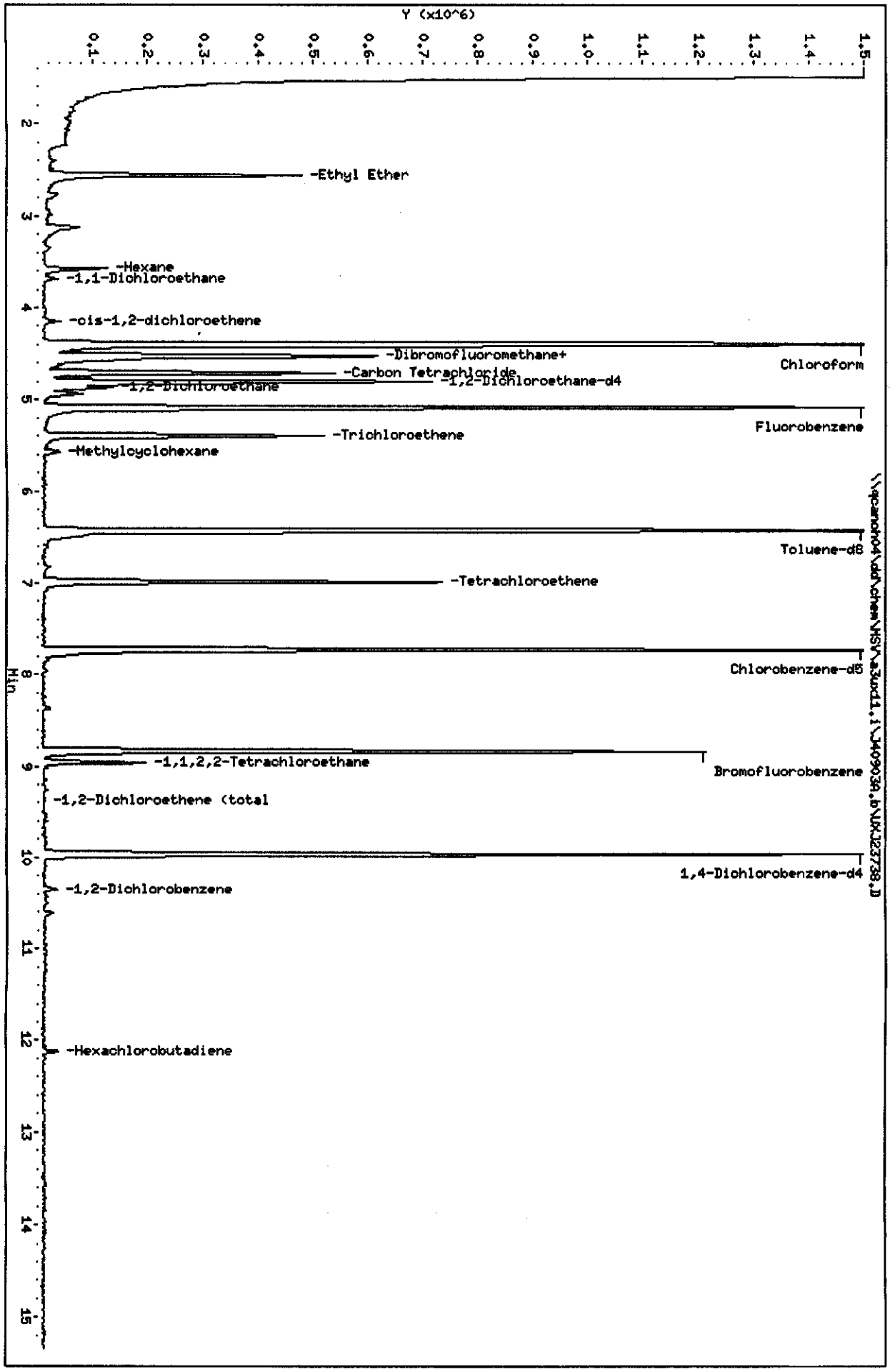
Lot-Sample #...: A4I020164-005 **Work Order #...:** GPGDM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	80	ug/L
Iodomethane	ND	8.0	ug/L
Isobutanol	ND	400	ug/L
Methacrylonitrile	ND	16	ug/L
Methylene chloride	ND	8.0	ug/L
Methyl methacrylate	ND	16	ug/L
4-Methyl-2-pentanone	ND	80	ug/L
Propionitrile	ND	32	ug/L
Styrene	ND	8.0	ug/L
1,1,1,2-Tetrachloroethane	ND	8.0	ug/L
1,1,2,2-Tetrachloroethane	**18**	**8.0**	**ug/L**
Tetrachloroethene	**55**	**8.0**	**ug/L**
Toluene	ND	8.0	ug/L
1,1,1-Trichloroethane	**15**	**8.0**	**ug/L**
1,1,2-Trichloroethane	ND	8.0	ug/L
Trichloroethene	**36**	**8.0**	**ug/L**
Trichlorofluoromethane	ND	8.0	ug/L
1,2,3-Trichloropropane	ND	8.0	ug/L
Vinyl acetate	ND	16	ug/L
Vinyl chloride	ND	8.0	ug/L
Xylenes (total)	ND	16	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	115	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 03-SEP-2004 12:08
Client ID: HH-35/090104
Sample Info: GPCDNTLAA,0.625ML/5ML
Purge Volume: 0.6
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Ethyl Ether
-Hexane
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane
-1,2-Dichloroethane-d4
Chloroform
Fluorobenzene
-Trichloroethene
-Methylcyclohexane
Toluene-d8
-Tetrachloroethene
Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene
-Hexachlorobutadiene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23738.D
Report Date: 07-Sep-2004 09:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23738.D
Lab Smp Id: GPGDM1AA Client Smp ID: MW-35/090104
Inj Date : 03-SEP-2004 12:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDM1AA,0.625ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.625	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1637074	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1256973	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	563543	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	436364	56.6392	90.623
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	585266	57.3611	91.778
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1480925	49.1756	78.681
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	504971	39.5658	63.305
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23738.D
Report Date: 07-Sep-2004 09:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	3.574	3.574	(0.702)	8882	6.26086	10.017
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	27513	1.83823	2.941
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				16719	1.90274	3.044
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	16719	1.90274	3.044
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	2257504	150.639	241.02
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	79089	9.13676	14.619
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	352471	55.6606	89.057
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	80975	6.77802	10.845
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.396	5.396	(1.060)	186012	22.7526	36.404
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	208284	34.0831	54.533
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23738.D
Report Date: 07-Sep-2004 09:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	105500	11.0864	17.738
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	13893	0.93321	1.493
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	6896	2.52987	4.048
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	307573	38.1028	60.964
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.561	5.573	(1.093)	10716	6.21300	9.941
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23738.D

Date : 03-SEP-2004 12:08

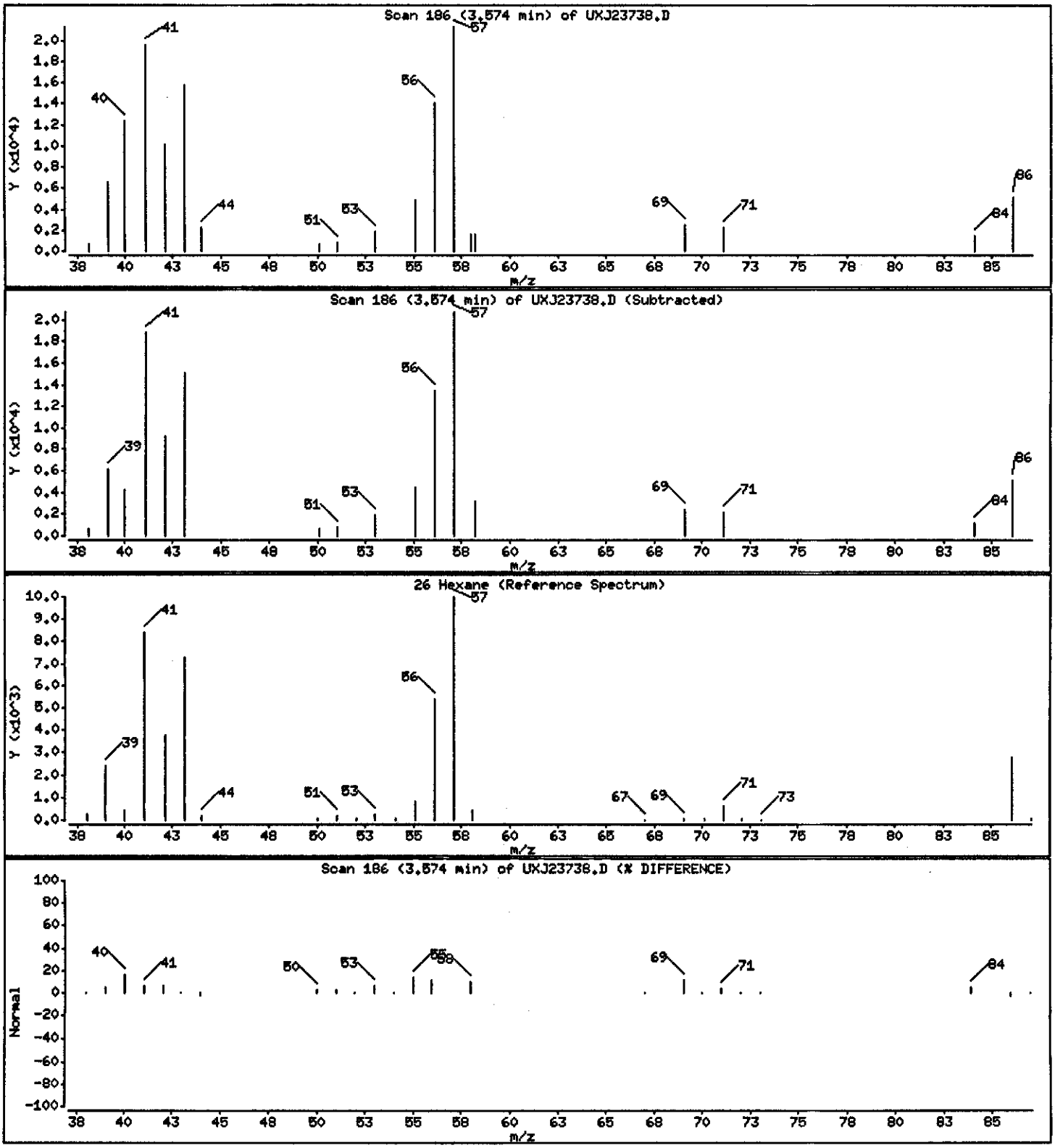
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 10.017 ug/L



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Date : 03-SEP-2004 12:08

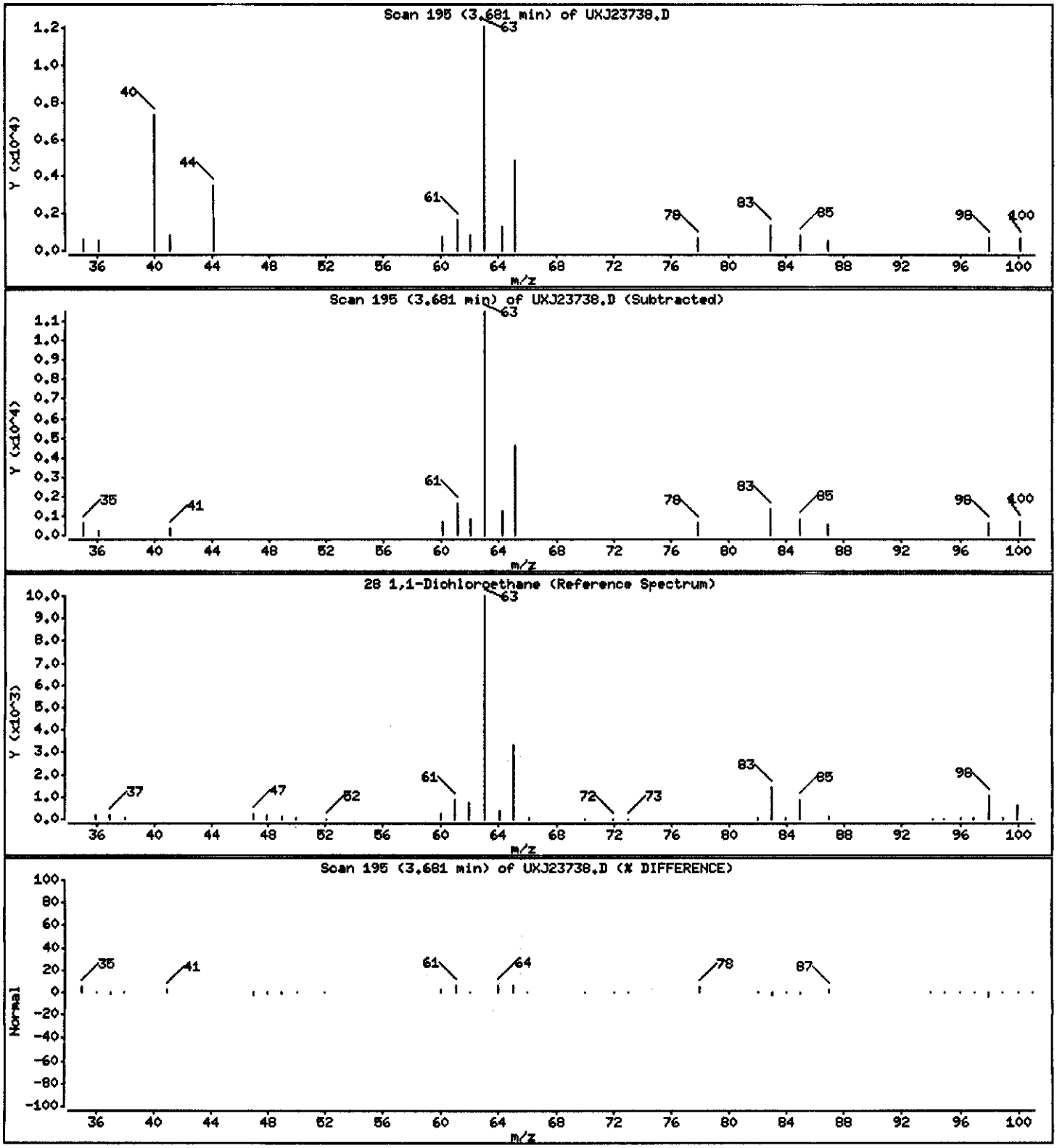
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 2.941 ug/L



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Date : 03-SEP-2004 12:08

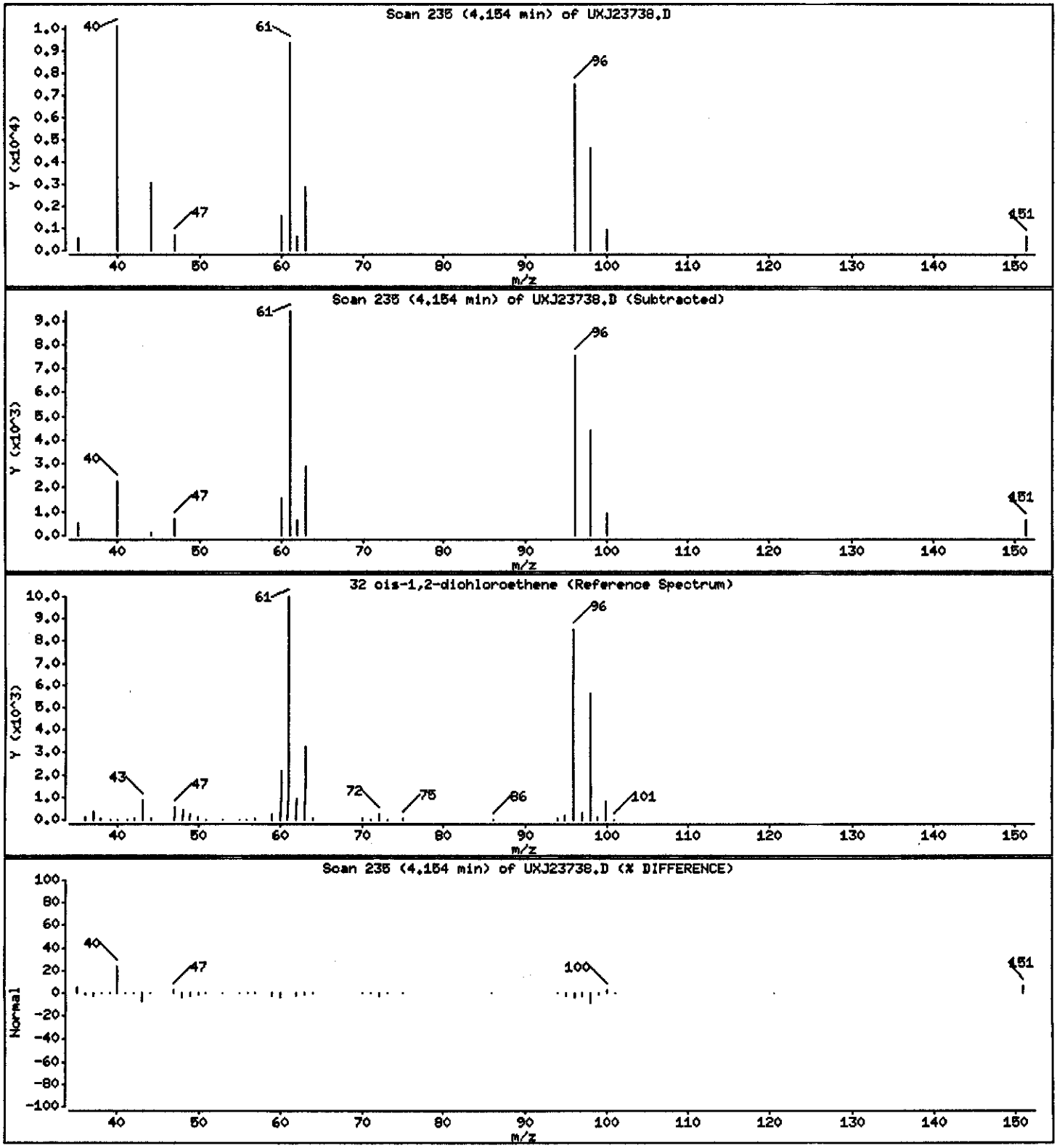
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 3.044 ug/L



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Date : 03-SEP-2004 12:08

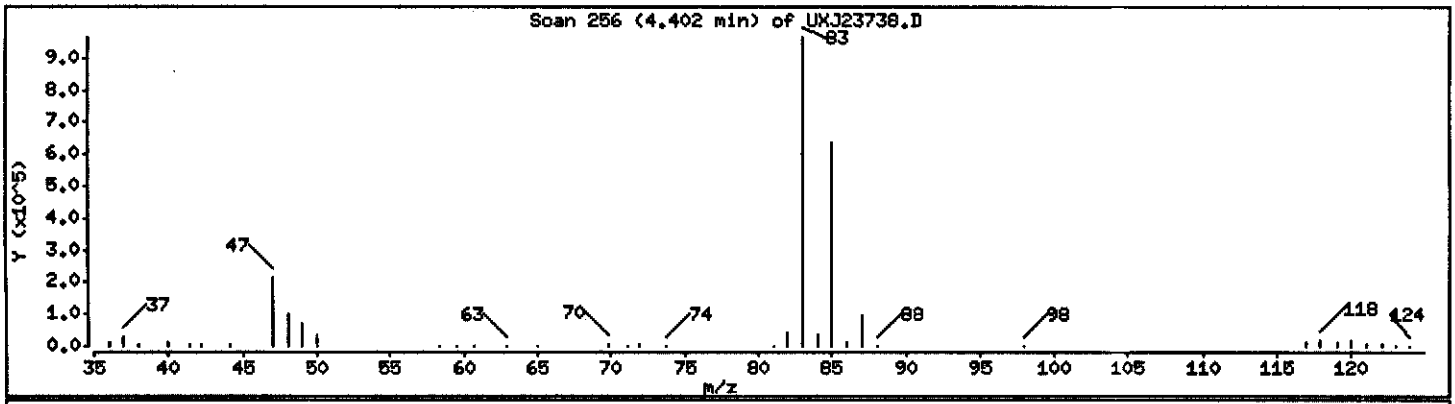
Client ID: MW-35/090104 Instrument: a3ux11.i

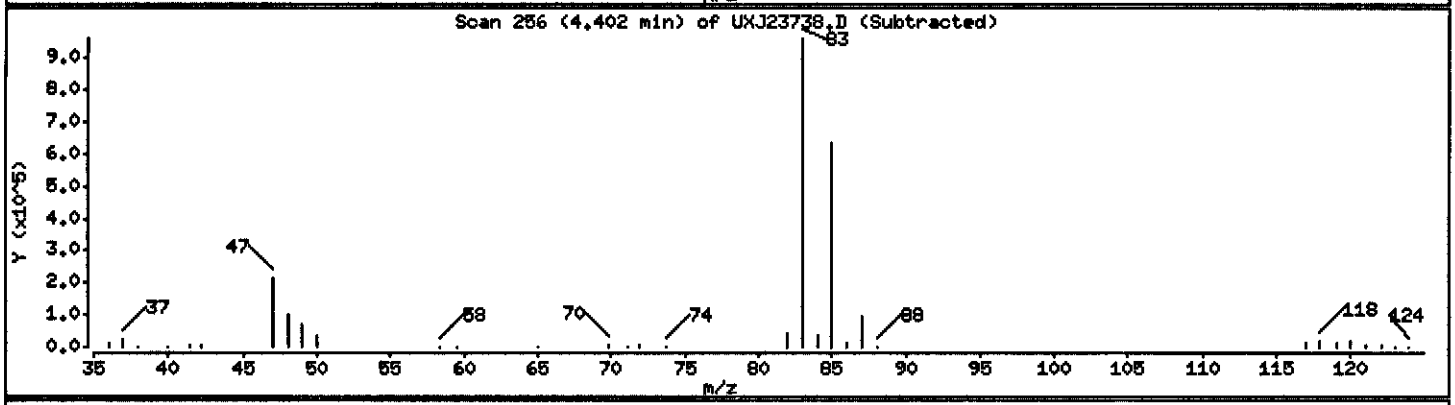
Sample Info: GPGDM1AA,0.625ML/5ML

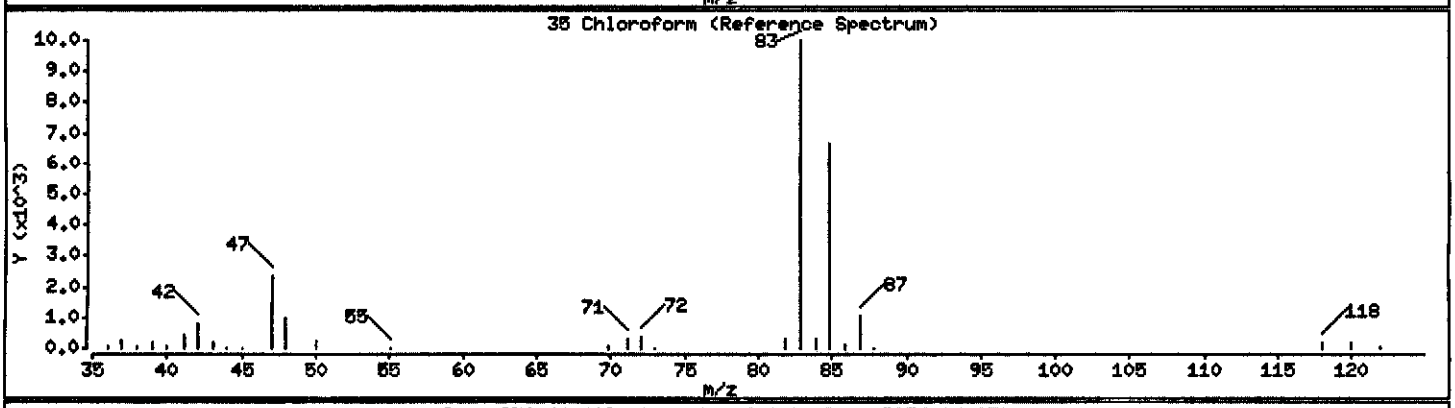
Purge Volume: 0.6 Operator: 43582

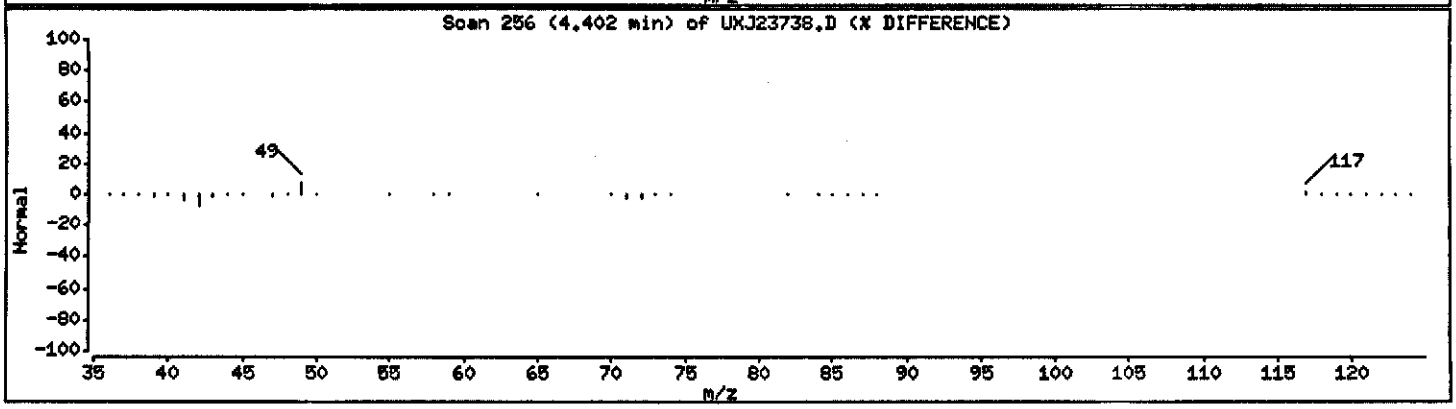
Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 241.02 ug/L









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Date : 03-SEP-2004 12:08

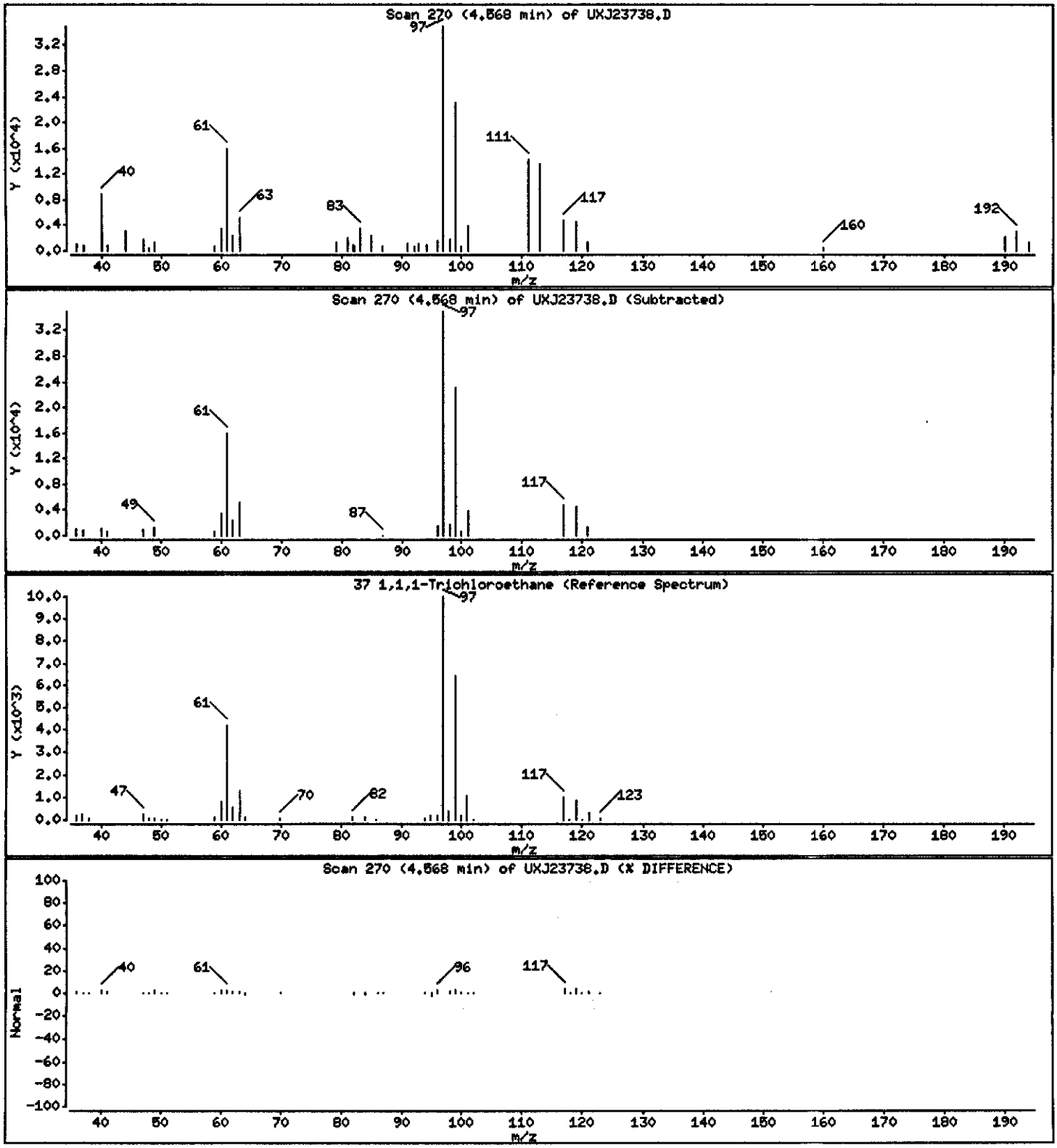
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 14.619 ug/L



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Date : 03-SEP-2004 12:08

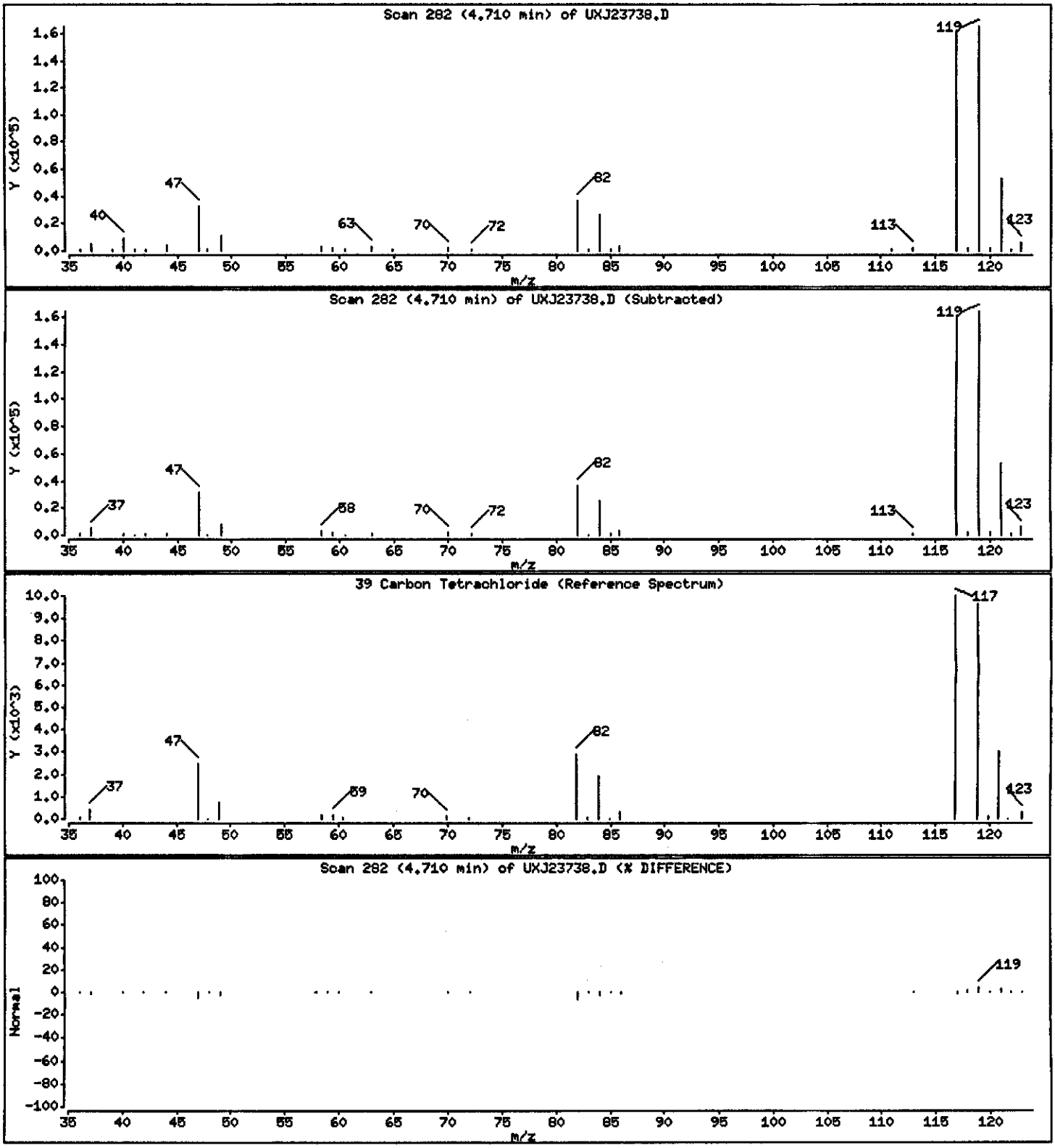
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

39 Carbon Tetrachloride Concentration: 89.057 ug/L



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Date : 03-SEP-2004 12:08

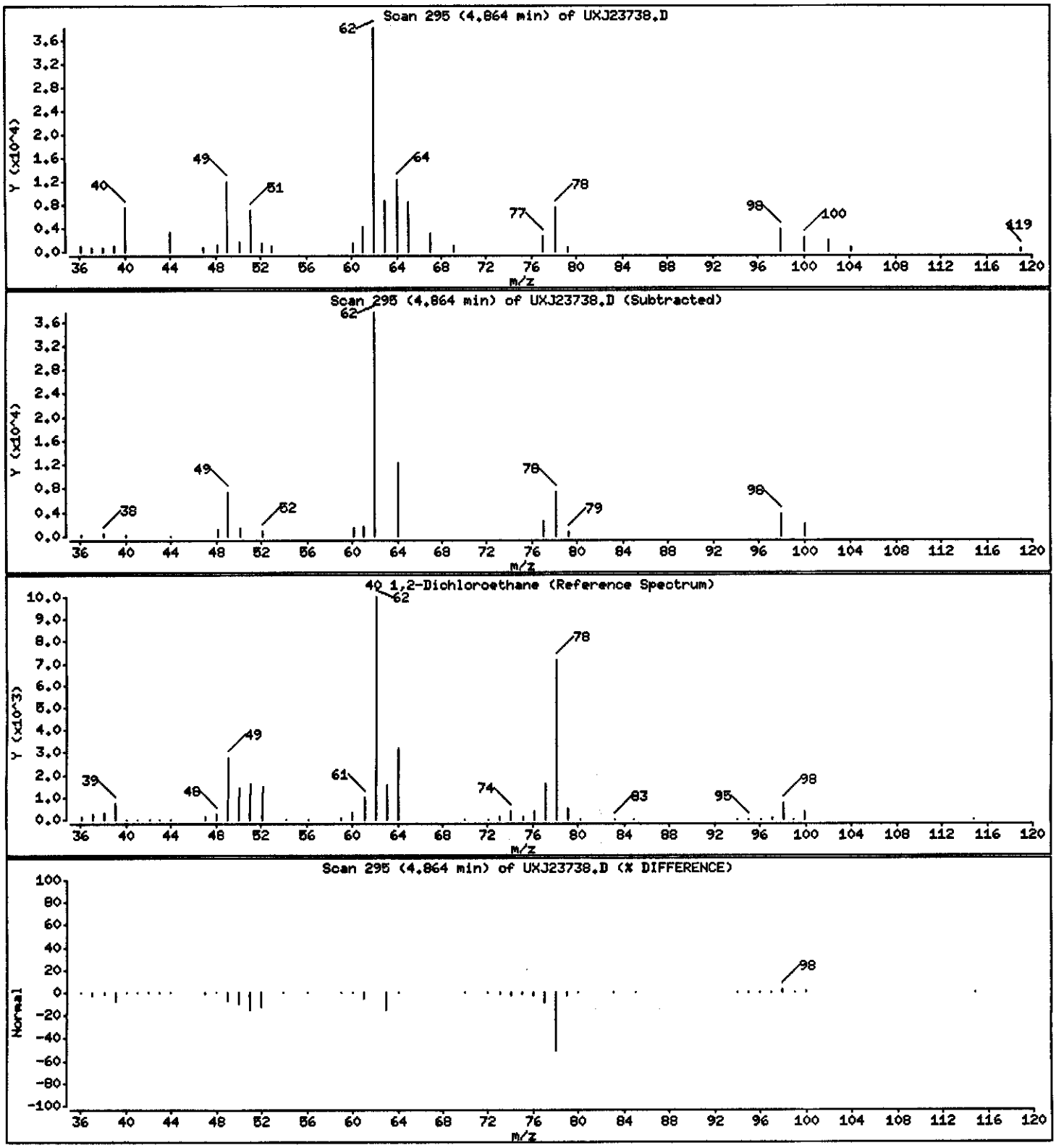
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 10.845 ug/L



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Date : 03-SEP-2004 12:08

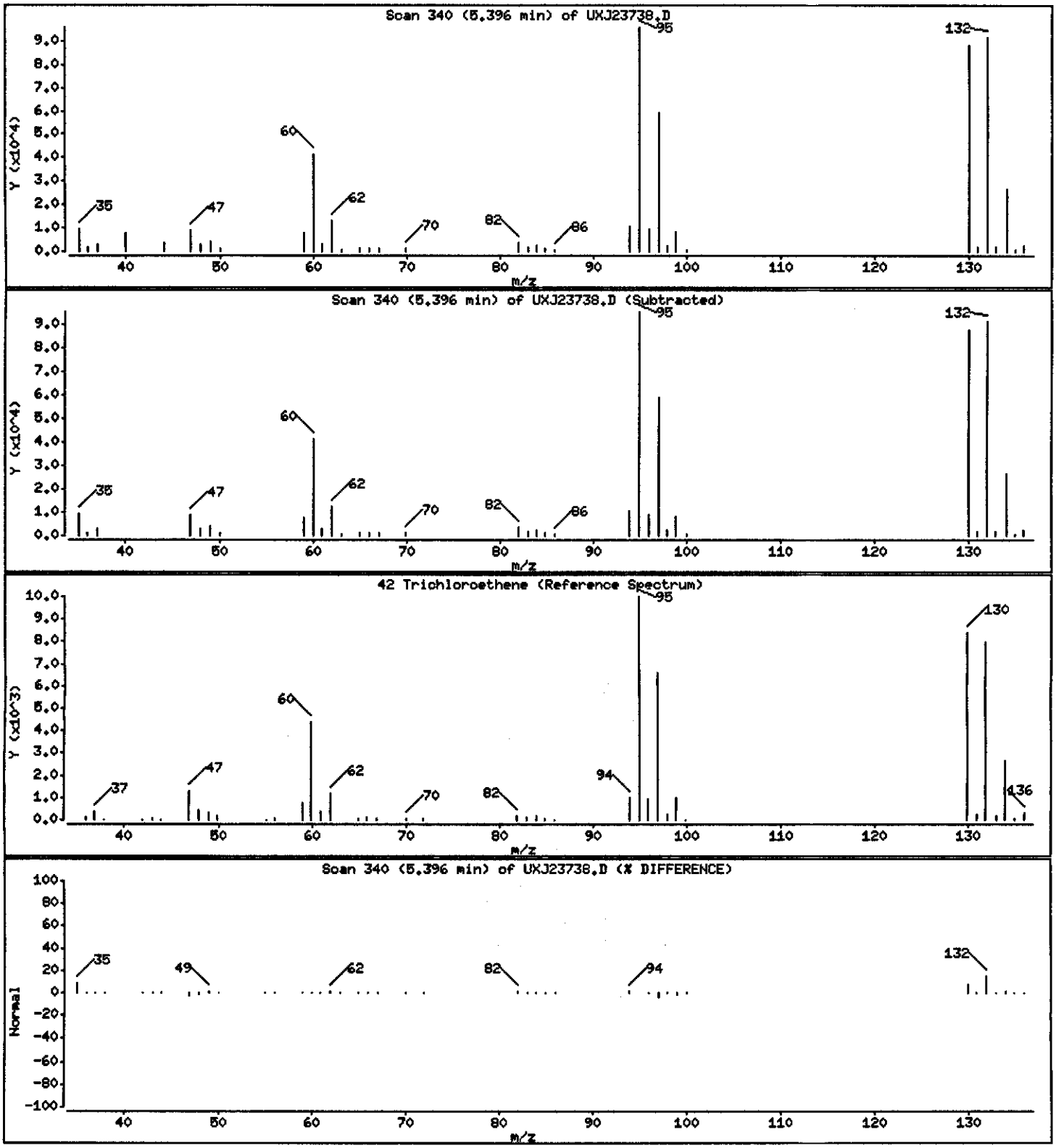
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 36.404 ug/L



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Date : 03-SEP-2004 12:08

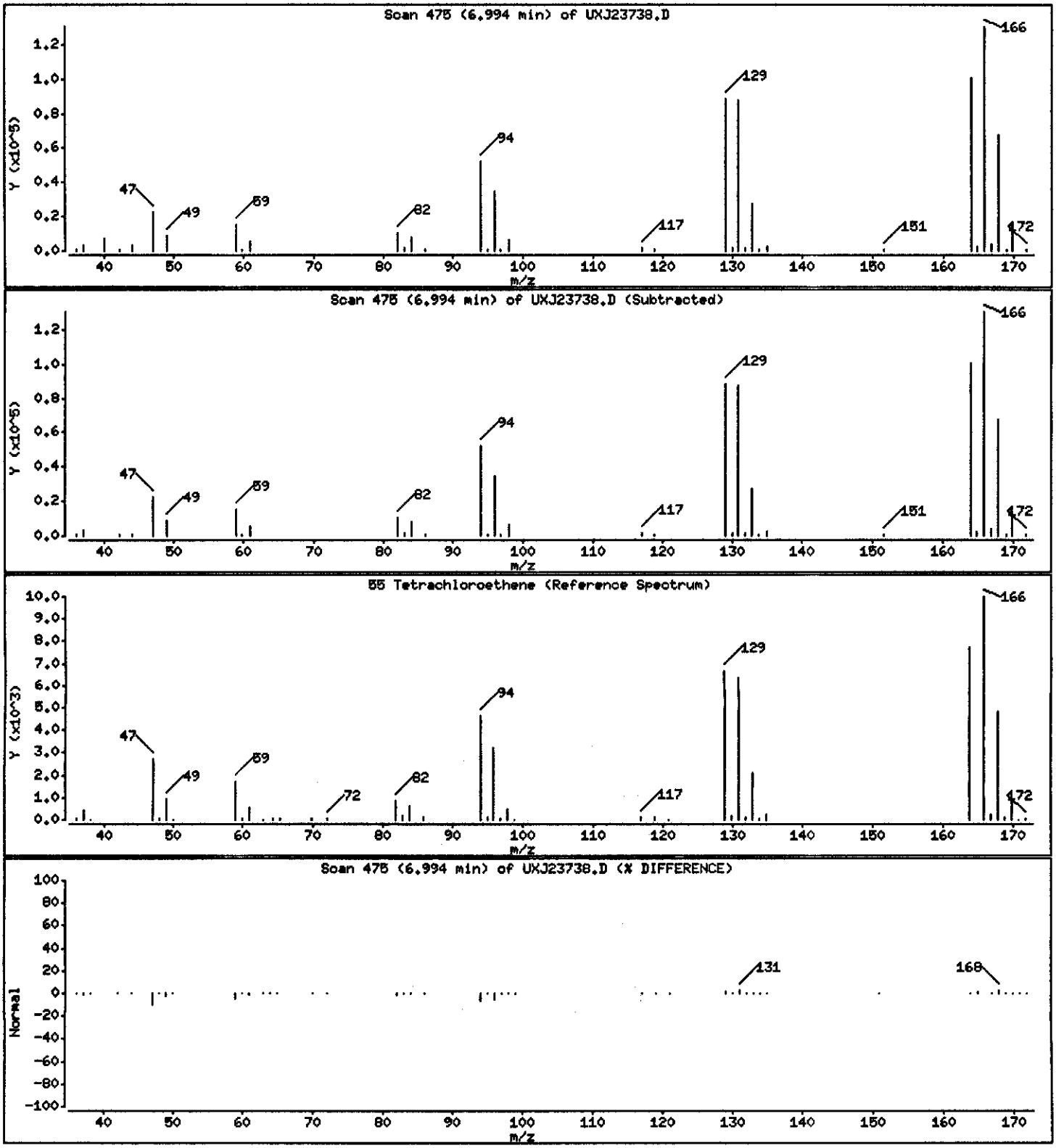
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: CPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 54.533 ug/L



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Date : 03-SEP-2004 12:08

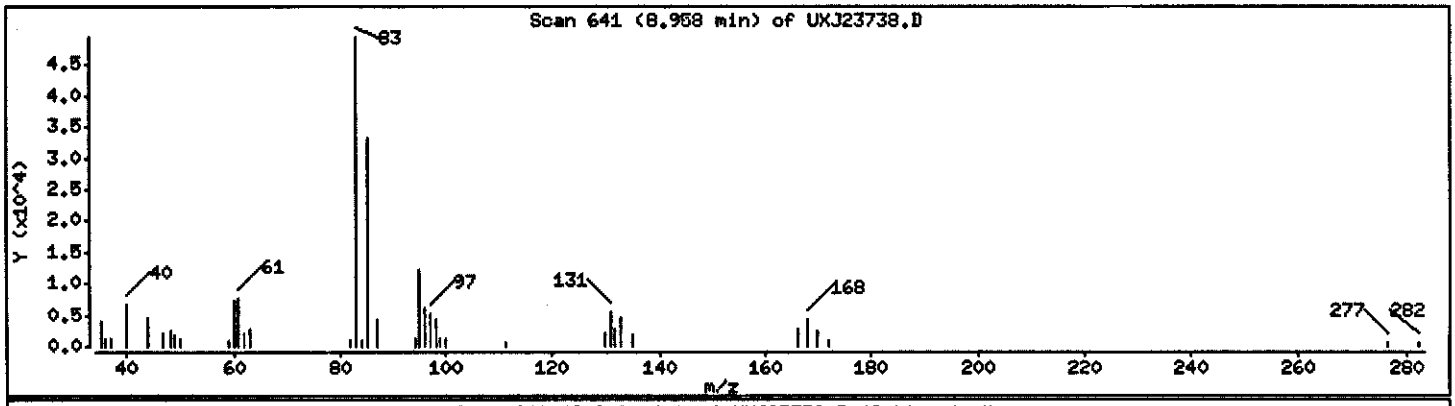
Client ID: MW-35/090104 Instrument: a3ux11.i

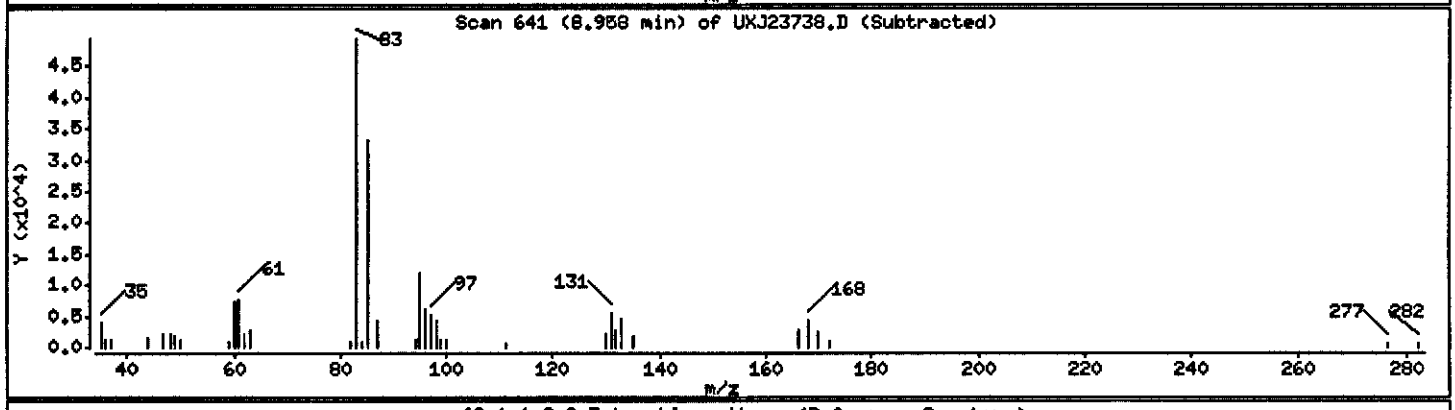
Sample Info: GPCDH1AA,0.625ML/5ML

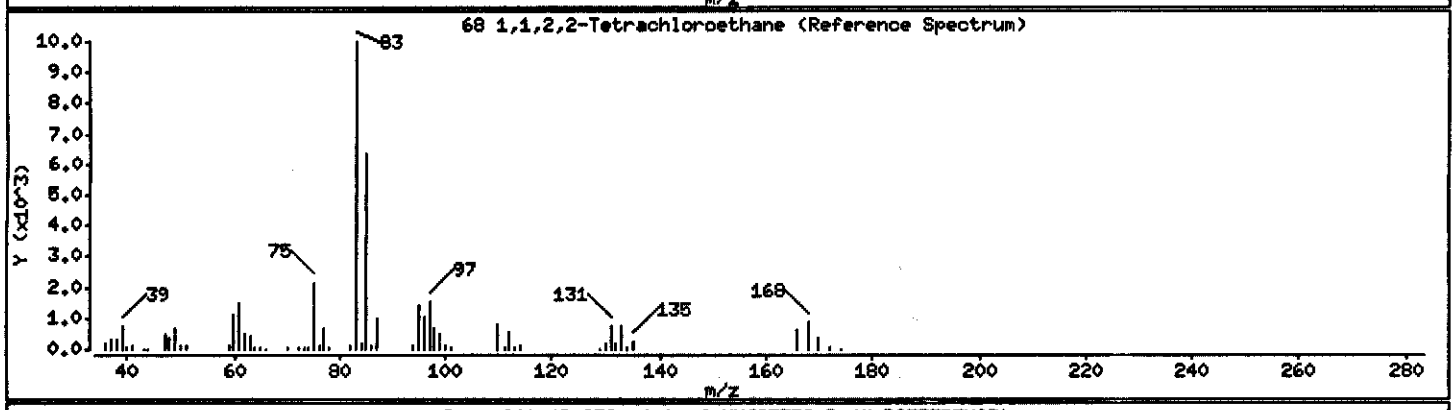
Purge Volume: 0.6 Operator: 43582

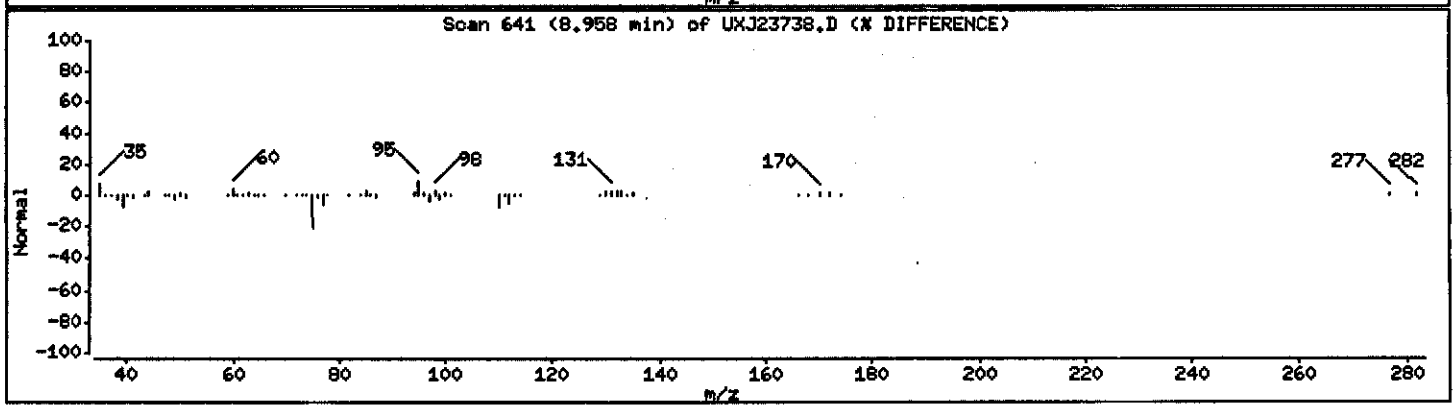
Column phase: DB624 Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 17.738 ug/L









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Date : 03-SEP-2004 12:08

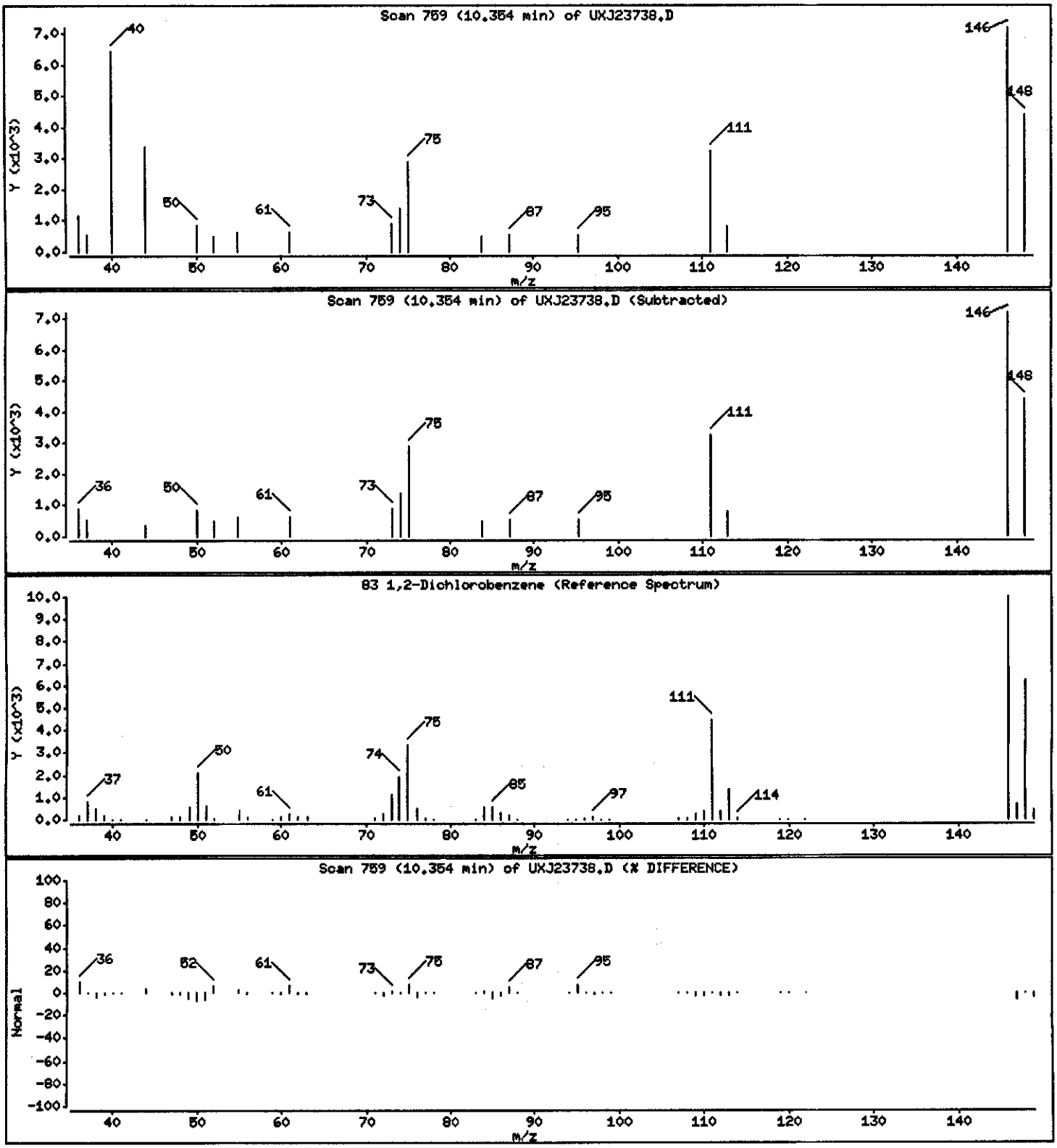
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

83 1,2-Dichlorobenzene Concentration: 1.493 ug/L



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Date : 03-SEP-2004 12:08

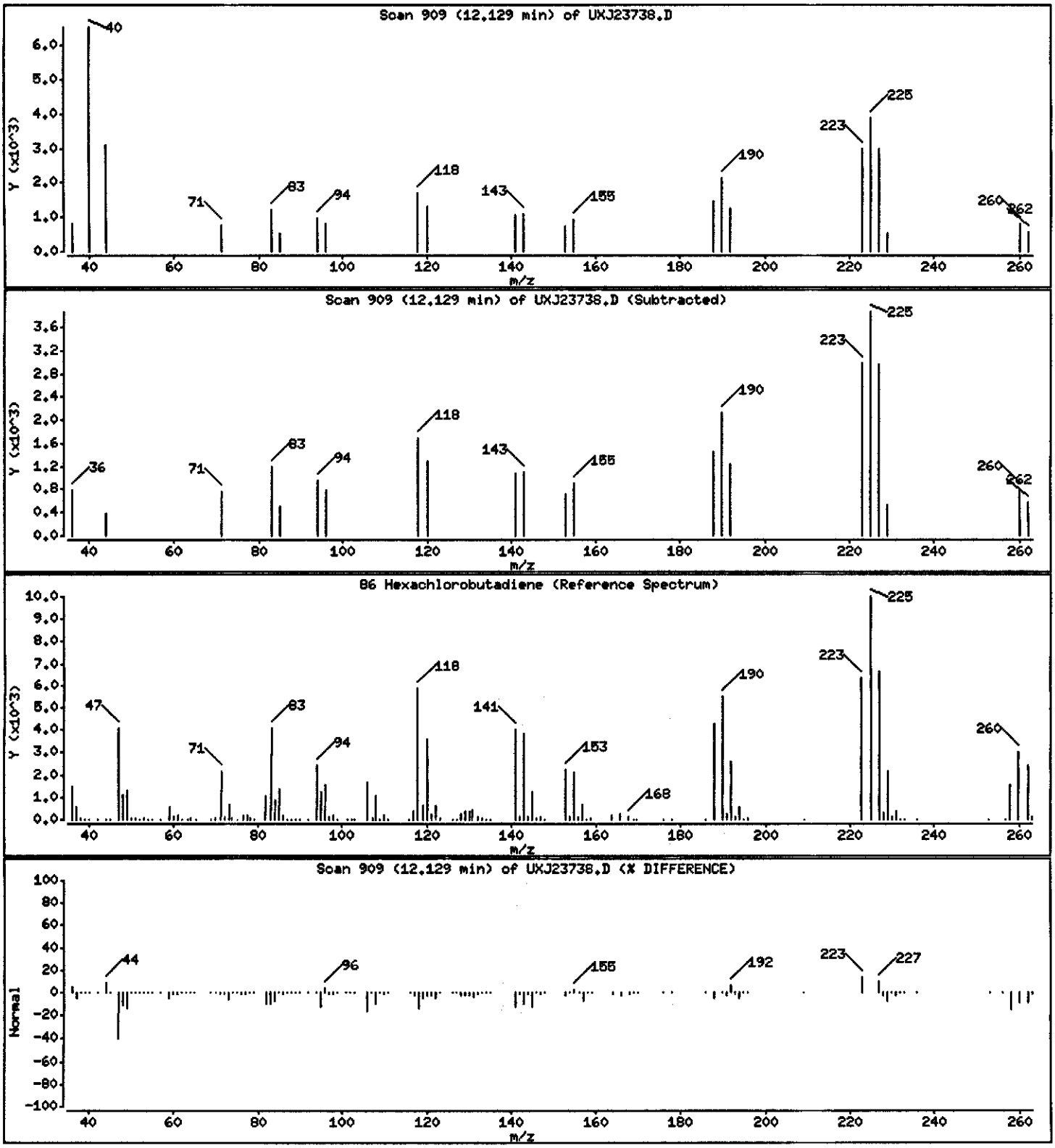
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDH1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

86 Hexachlorobutadiene Concentration: 4.048 ug/L



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Date : 03-SEP-2004 12:08

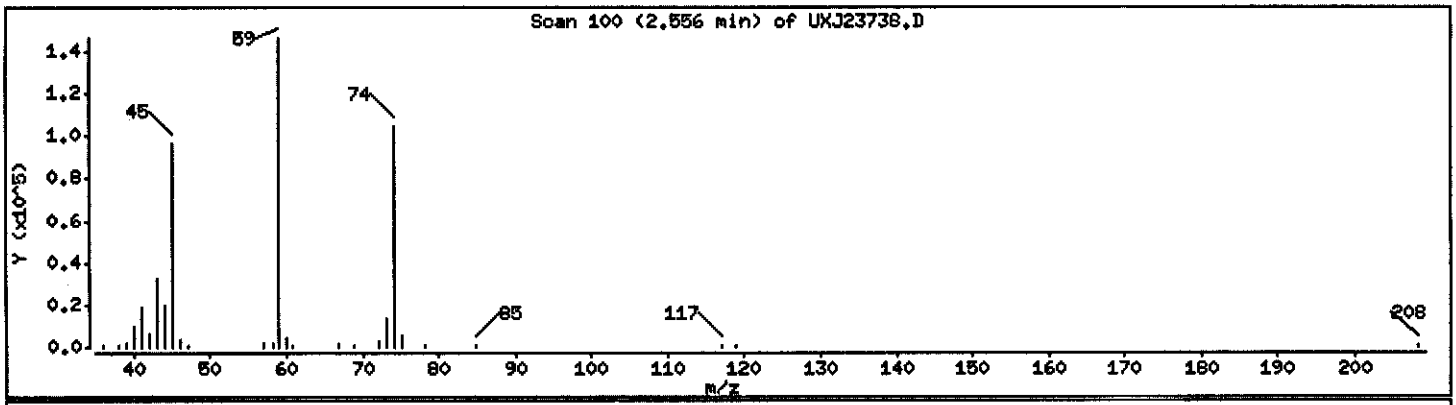
Client ID: MW-35/090104 Instrument: a3ux11.i

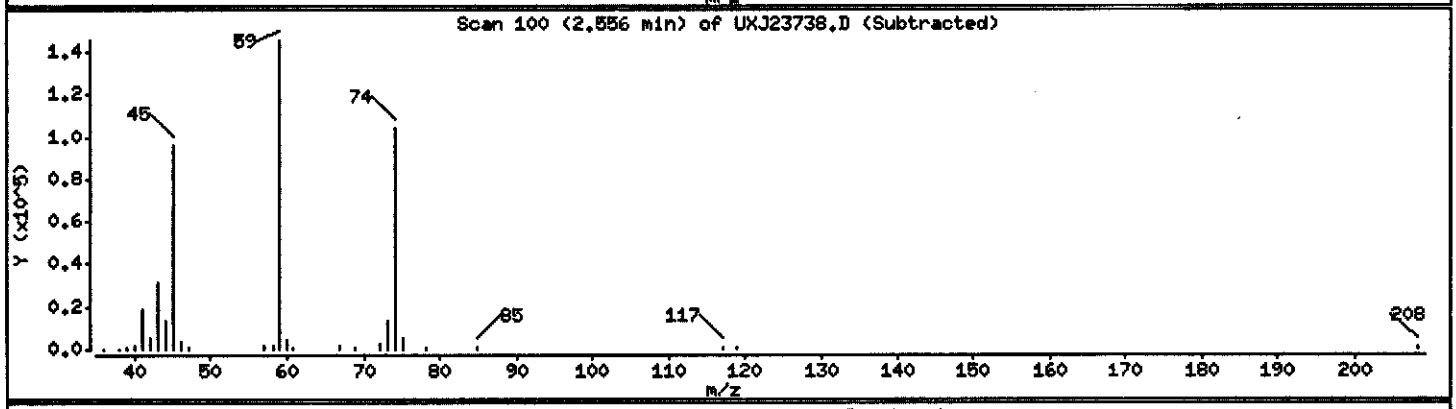
Sample Info: GPCDH1AA,0.625ML/5ML

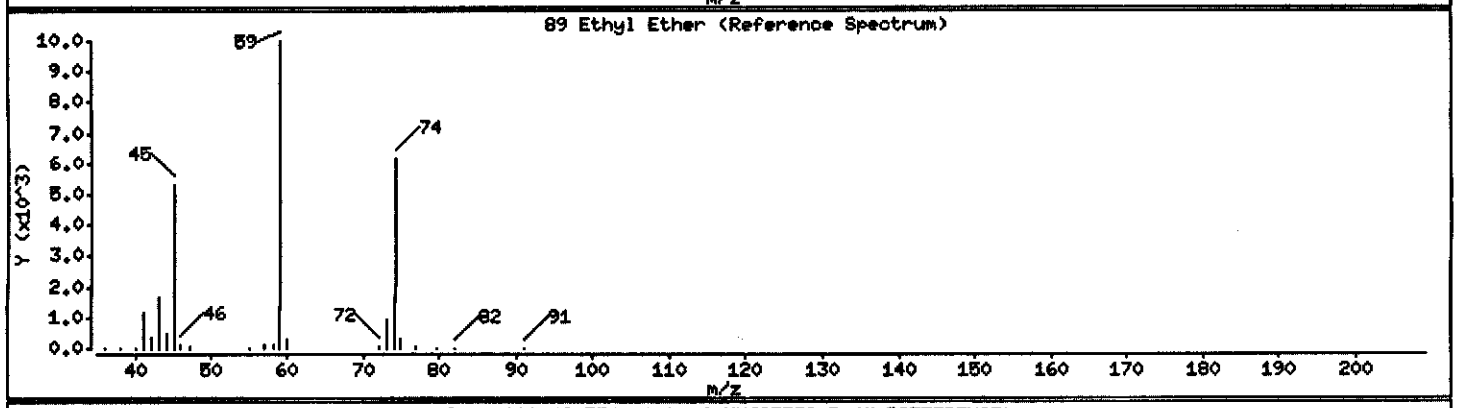
Purge Volume: 0.6 Operator: 43582

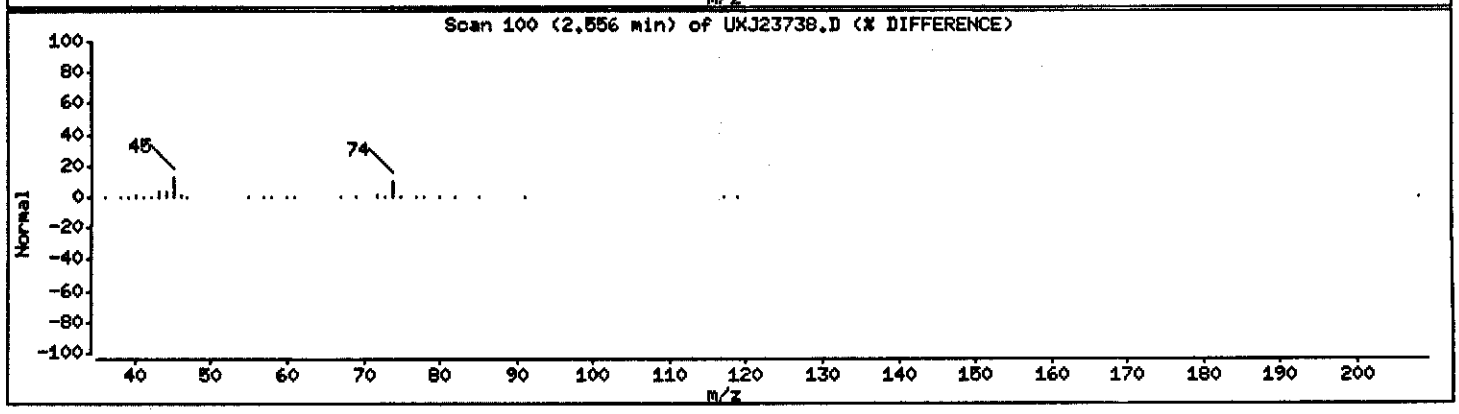
Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 60.964 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23738.D

Date : 03-SEP-2004 12:08

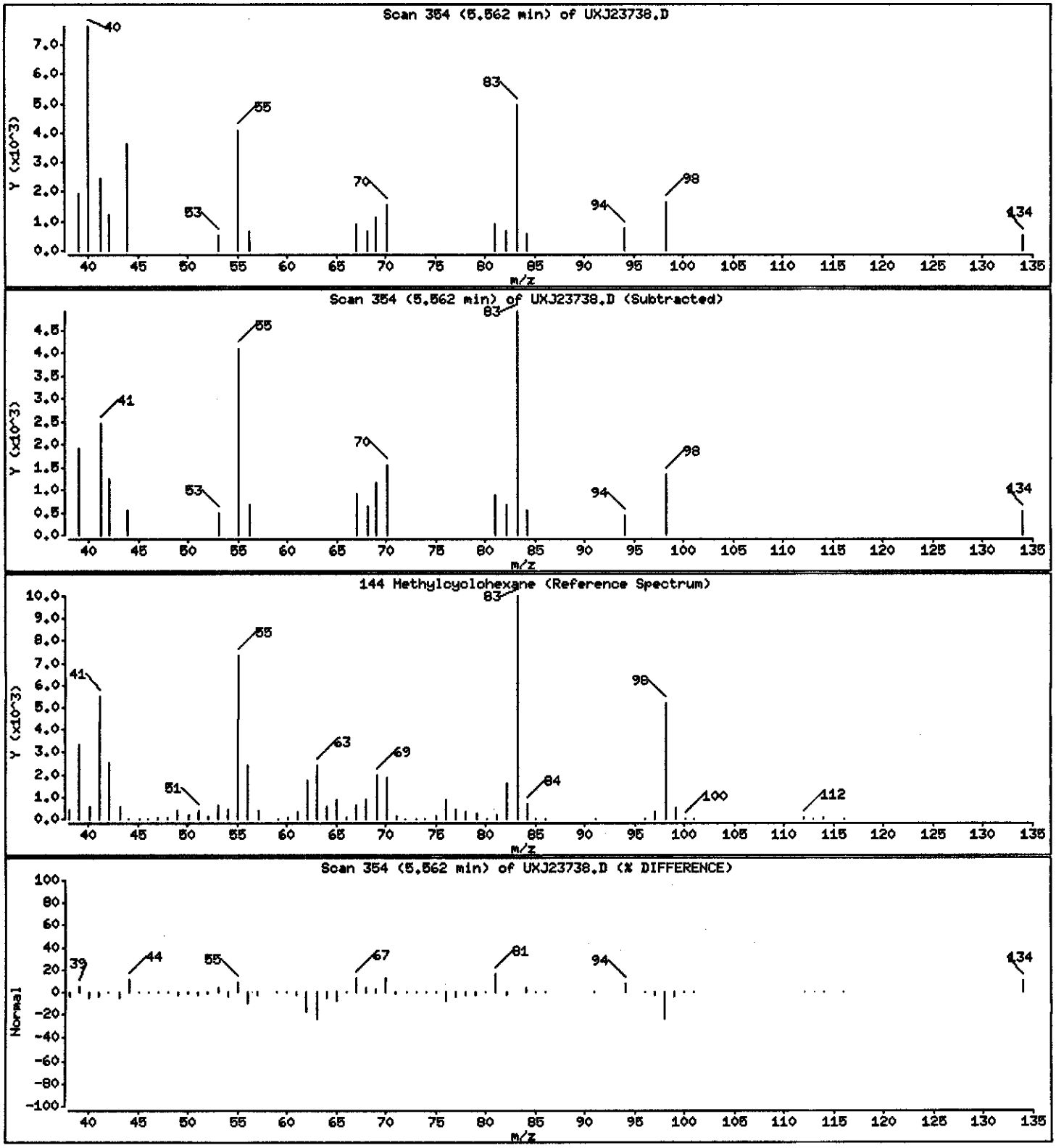
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM1AA,0.625ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 9.941 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-35/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-005 **Work Order #...:** GPGDM2AA **Matrix.....:** WG
Date Sampled...: 09/01/04 09:52 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**1.3**	**1.0**	**ug/L**
Carbon tetrachloride	**75 E**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**180 E**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	**2.4**	**1.0**	**ug/L**
1,2-Dichloroethane	**8.9**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**2.3**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**0.34 J**	**1.0**	**ug/L**
1,1-Dichloroethene	**0.67 J**	**1.0**	**ug/L**
1,2-Dichloroethene (total)	**2.6**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**48 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-35/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-005 **Work Order #...:** GPGDM2AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	**14**	**1.0**	**ug/L**
Tetrachloroethene	**49 E**	**1.0**	**ug/L**
Toluene	**0.85 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	**12**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**31**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

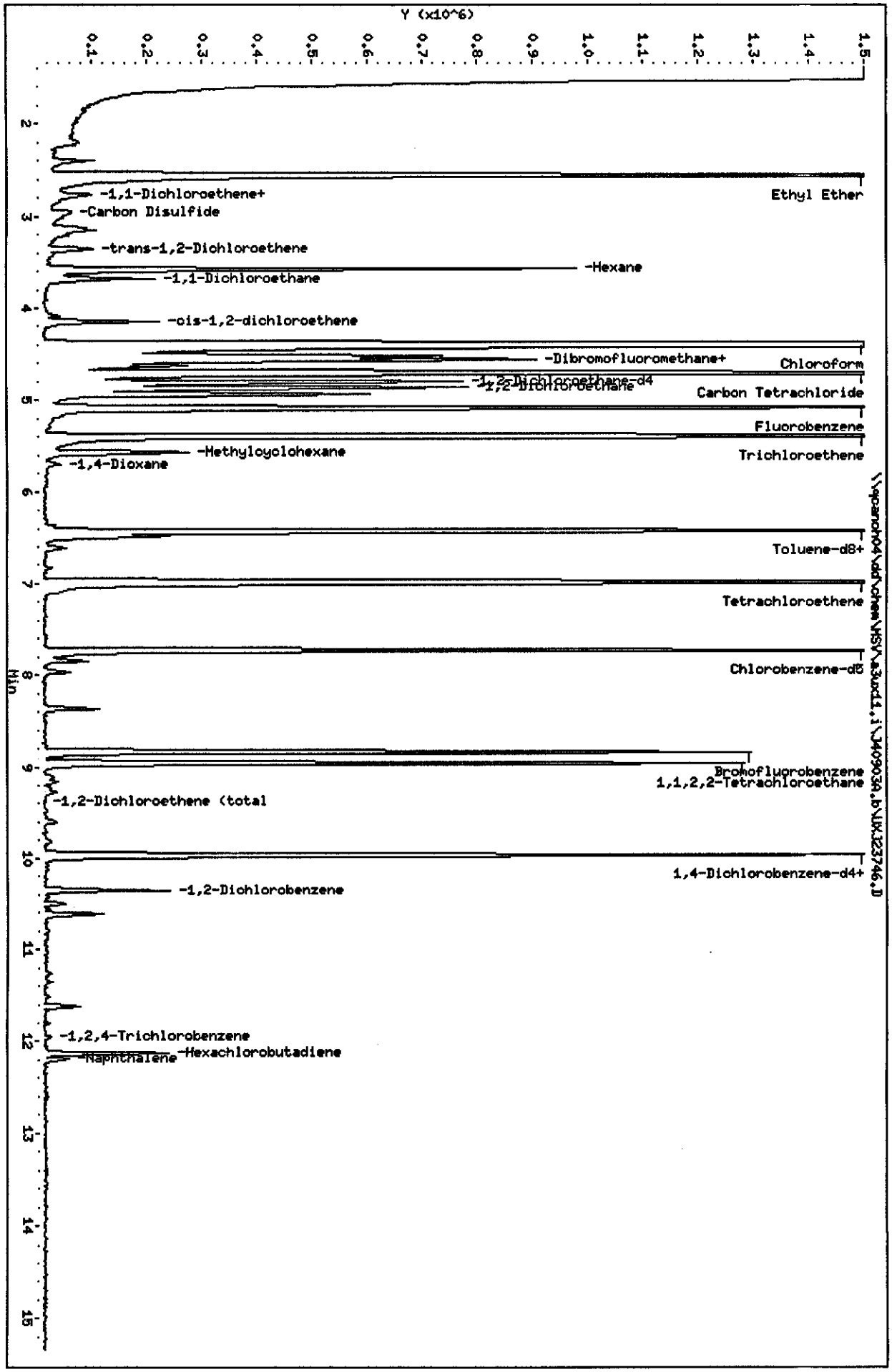
NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3uxi1.i\3409030.b\UX123746.D
Date : 03-SEP-2004 15:10
Client ID: HH-35/090104
Sample Info: GPGDM20A,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3uxi1.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23746.D
Report Date: 07-Sep-2004 09:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23746.D
Lab Smp Id: GPGDM2AA Client Smp ID: MW-35/090104
Inj Date : 03-SEP-2004 15:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDM2AA,5ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1837247	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1333978	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	621556	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	448833	51.9103	10.382
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	604540	52.7947	10.559
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1521777	47.6152	9.523
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	533680	39.4014	7.880
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	2.769	2.757	(0.544)	28631	3.33143	0.6663
18 Freon-113	151	2.769	2.769	(0.544)	10310	1.90539	0.3811
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23746.D
Report Date: 07-Sep-2004 09:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.958	2.946	(0.581)	184716	6.54209	1.308
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.661)	15906	1.68799	0.3376
	26 Hexane	86	3.574	3.574	(0.702)	89472	56.1967	11.239
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	202624	12.0630	2.412
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				127893	13.0443	2.609
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	111987	11.3563	2.271
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	15052047	894.966	178.99(A)
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	588903	60.6207	12.124
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	2677757	376.788	75.358(A)
	40 1,2-Dichloroethane	62	4.864	4.863	(0.956)	597803	44.5872	8.917
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.396	5.396	(1.060)	1435786	156.488	31.298
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.692	5.680	(1.119)	28000	238.353	47.671(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.485	6.484	(0.838)	160171	4.24973	0.8499
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	1597364	246.300	49.260(A)
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23746.D
Report Date: 07-Sep-2004 09:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	753018	71.7450	14.349
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	32841	1.81761	0.3635
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	109961	6.69684	1.339
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	6018	0.97857	0.1957
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	51874	17.2543	3.451
87 Naphthalene	128	12.188	12.200	(1.223)	32320	3.89983	0.7800
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	2171415	239.691	47.938(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	120913	13.9783	2.796
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.574	5.573	(1.095)	99201	13.6009	2.720
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qoanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23746.D

Date : 03-SEP-2004 15:10

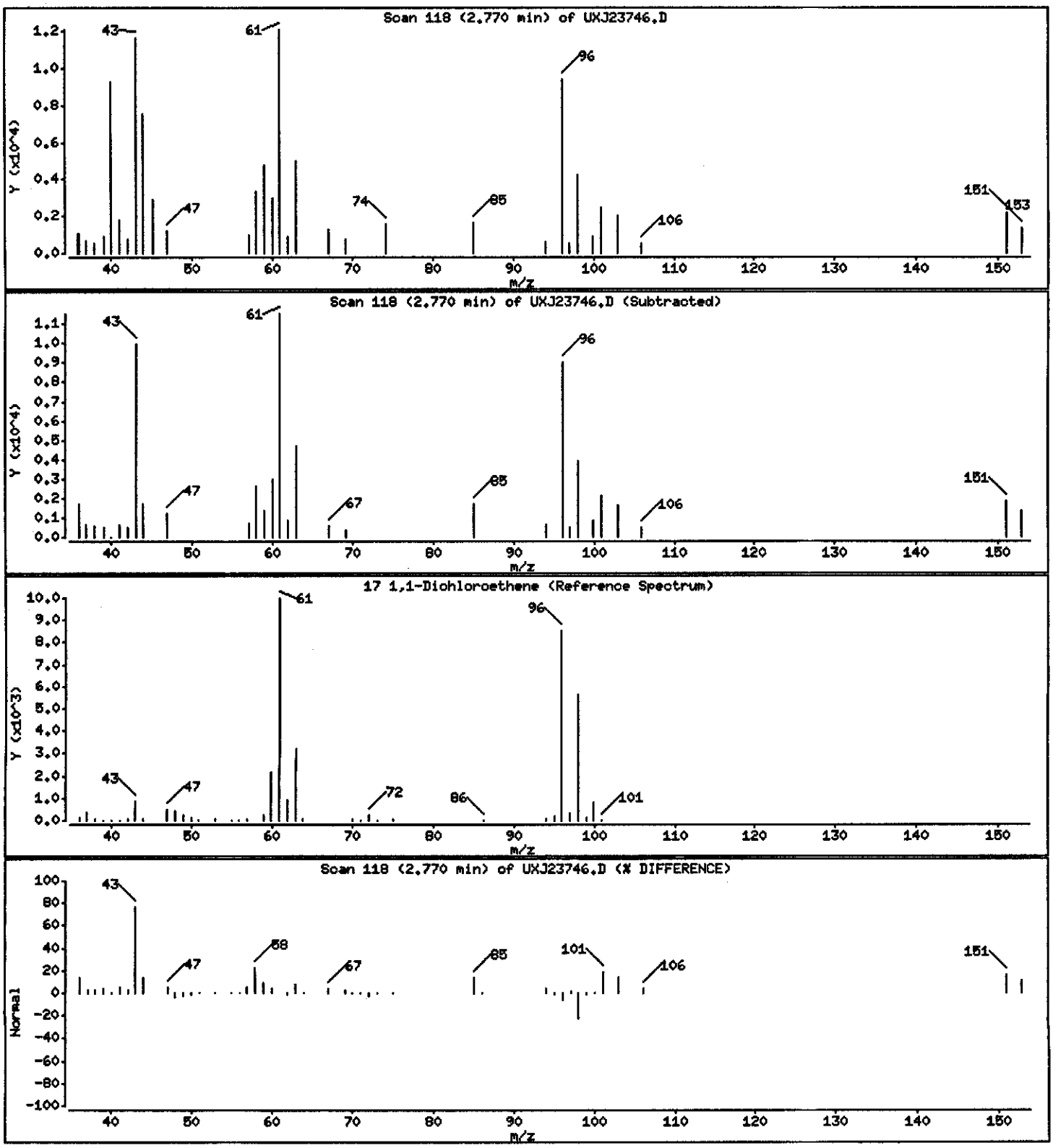
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

17 1,1-Dichloroethene Concentration: 0.6663 ug/L



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Date : 03-SEP-2004 15:10

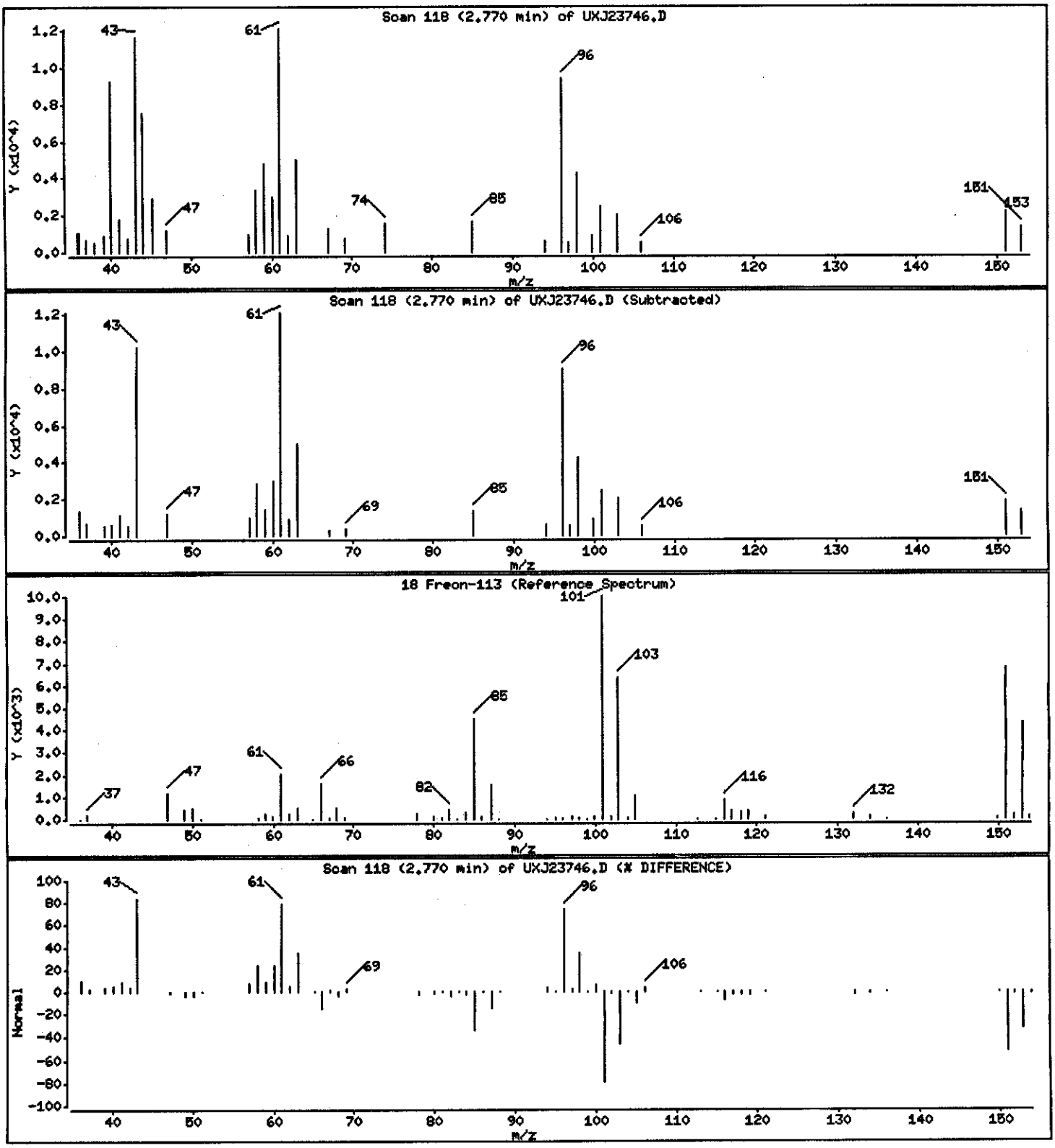
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 0.3811 ug/L



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Date : 03-SEP-2004 15:10

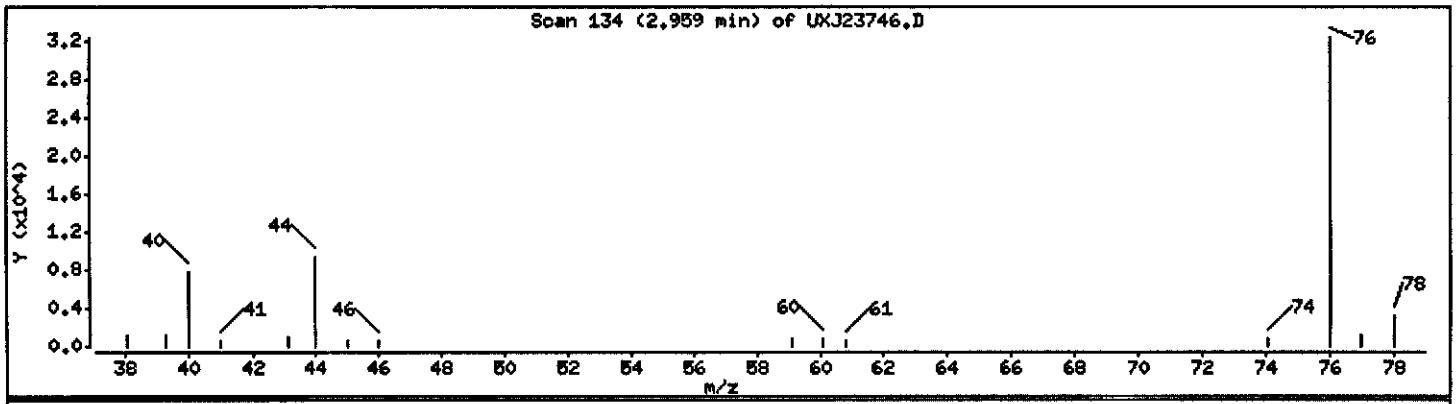
Client ID: MW-35/090104 Instrument: a3ux11.i

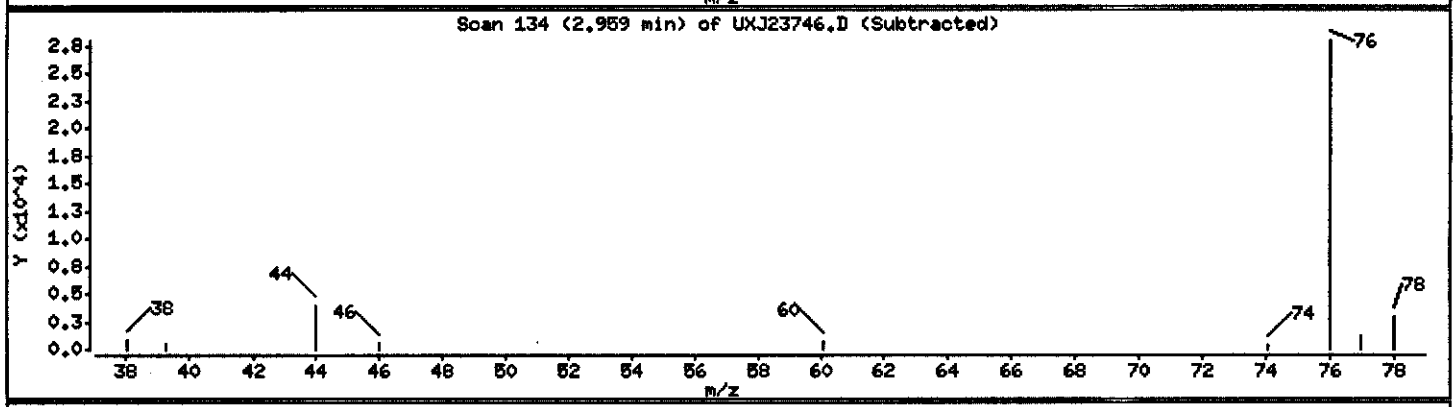
Sample Info: GPCDM2AA,5ML/5ML

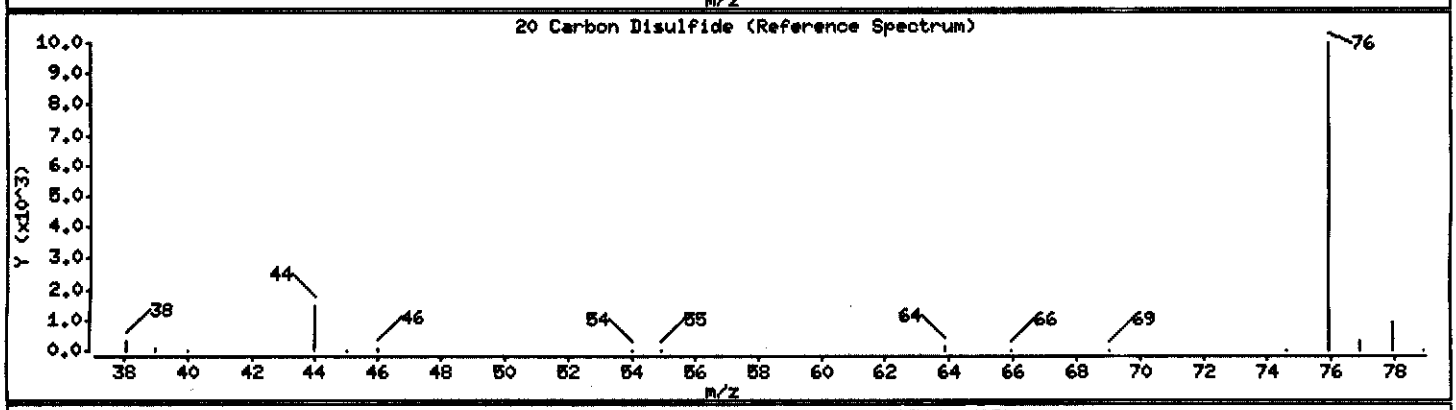
Purge Volume: 5.0 Operator: 43582

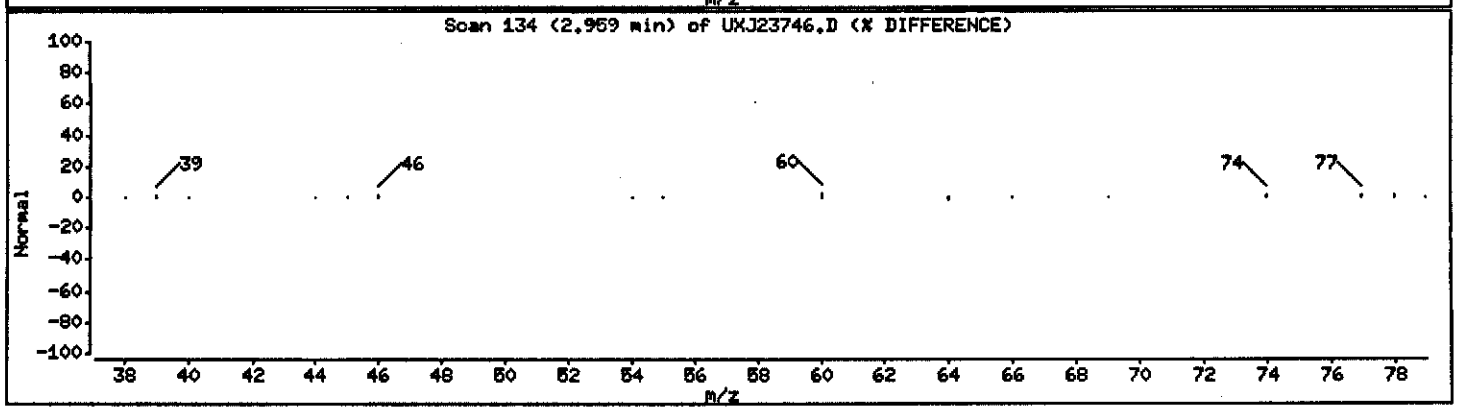
Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.308 ug/L









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Date : 03-SEP-2004 15:10

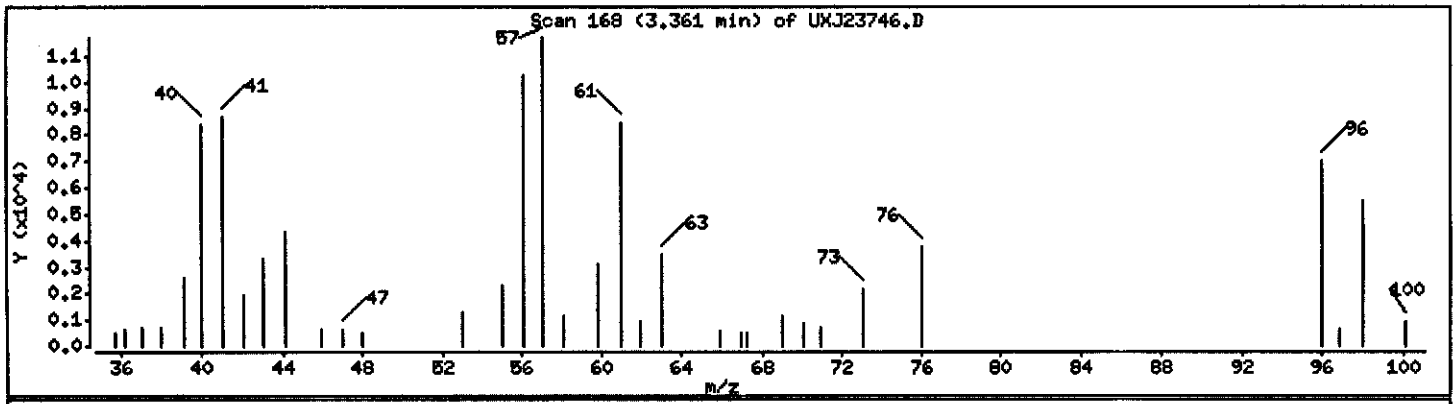
Client ID: MW-35/090104 Instrument: a3ux11.i

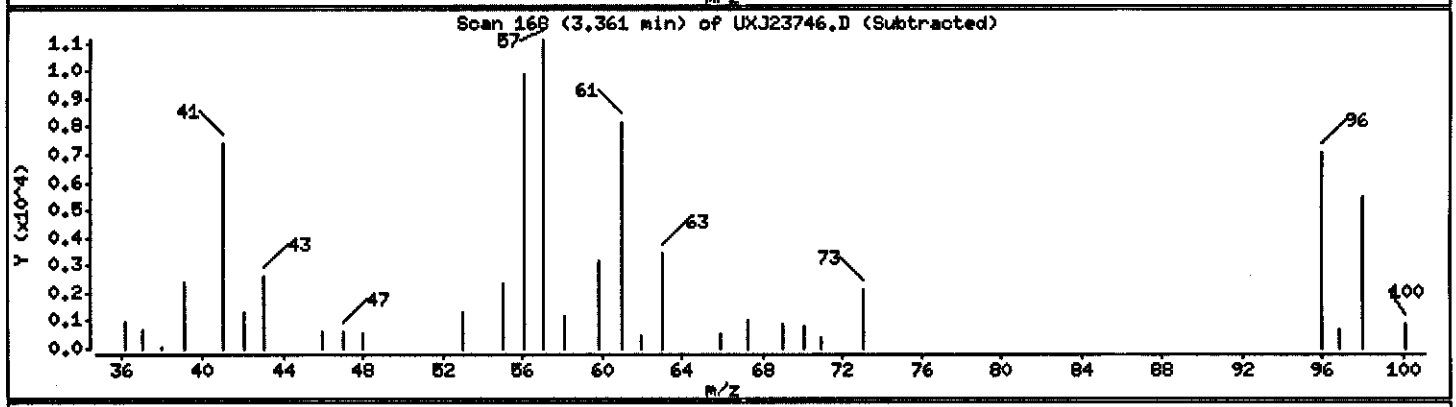
Sample Info: GPGDM2AA,5ML/5ML

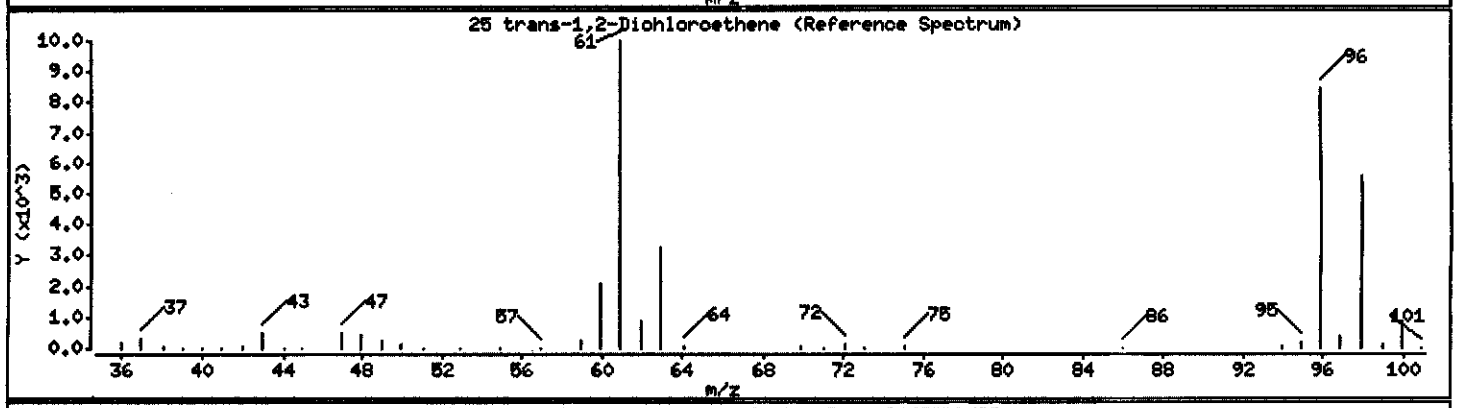
Purge Volume: 5.0 Operator: 43582

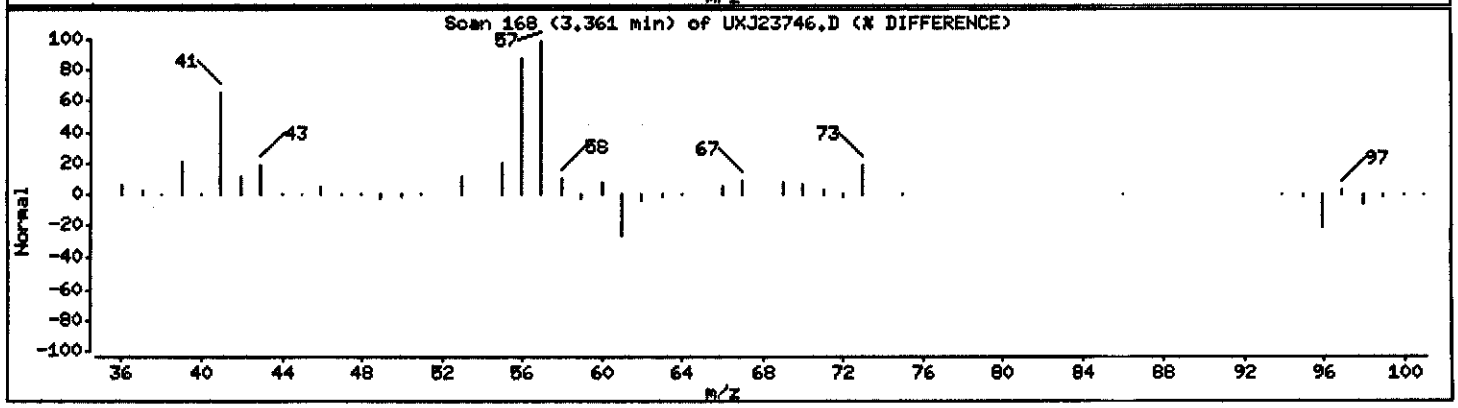
Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 0.3376 ug/L









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Date : 03-SEP-2004 15:10

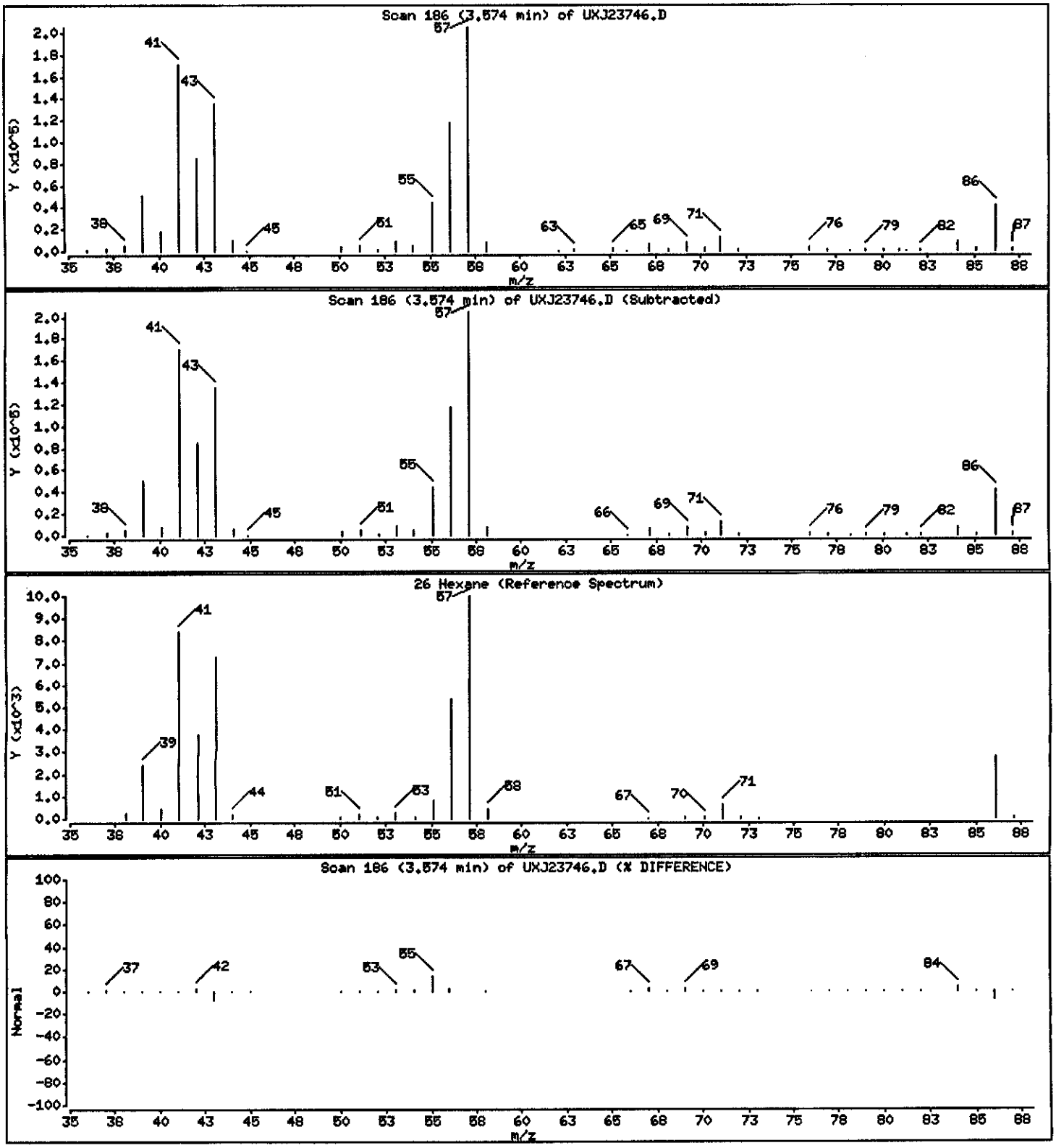
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: CPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 11.239 ug/L



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Date : 03-SEP-2004 15:10

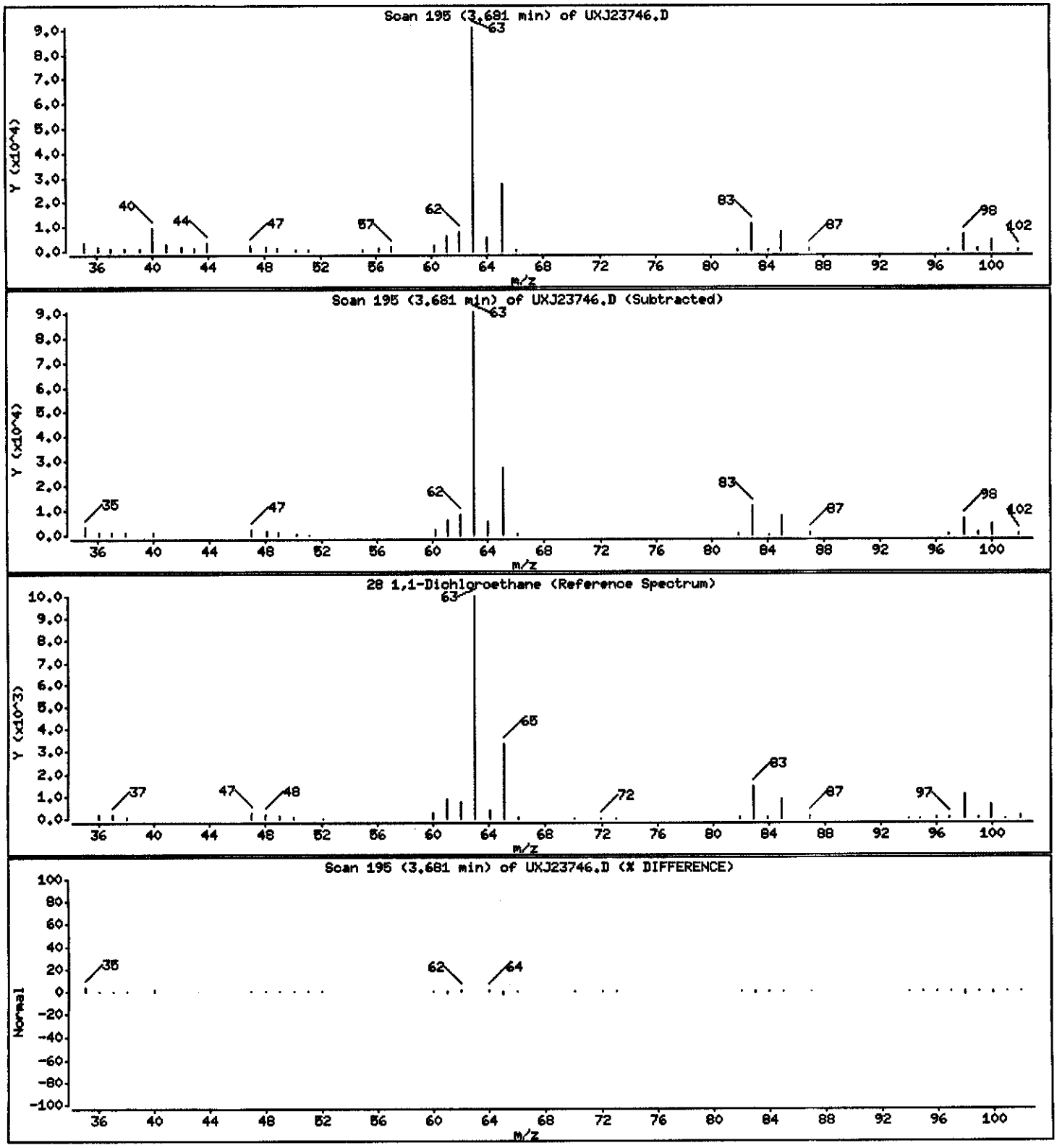
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 2.412 ug/L



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Date : 03-SEP-2004 15:10

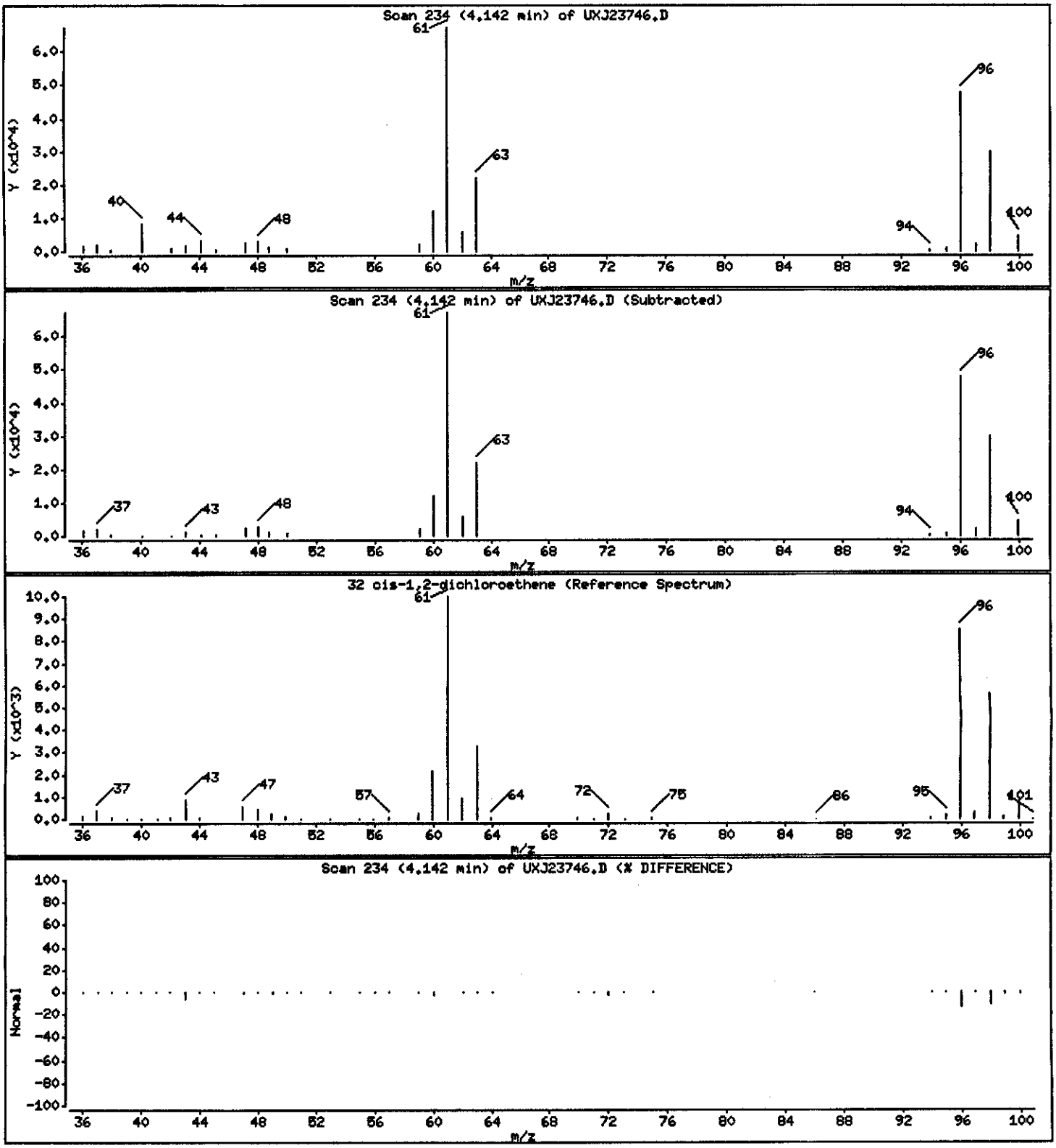
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 2.271 ug/L



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Date : 03-SEP-2004 15:10

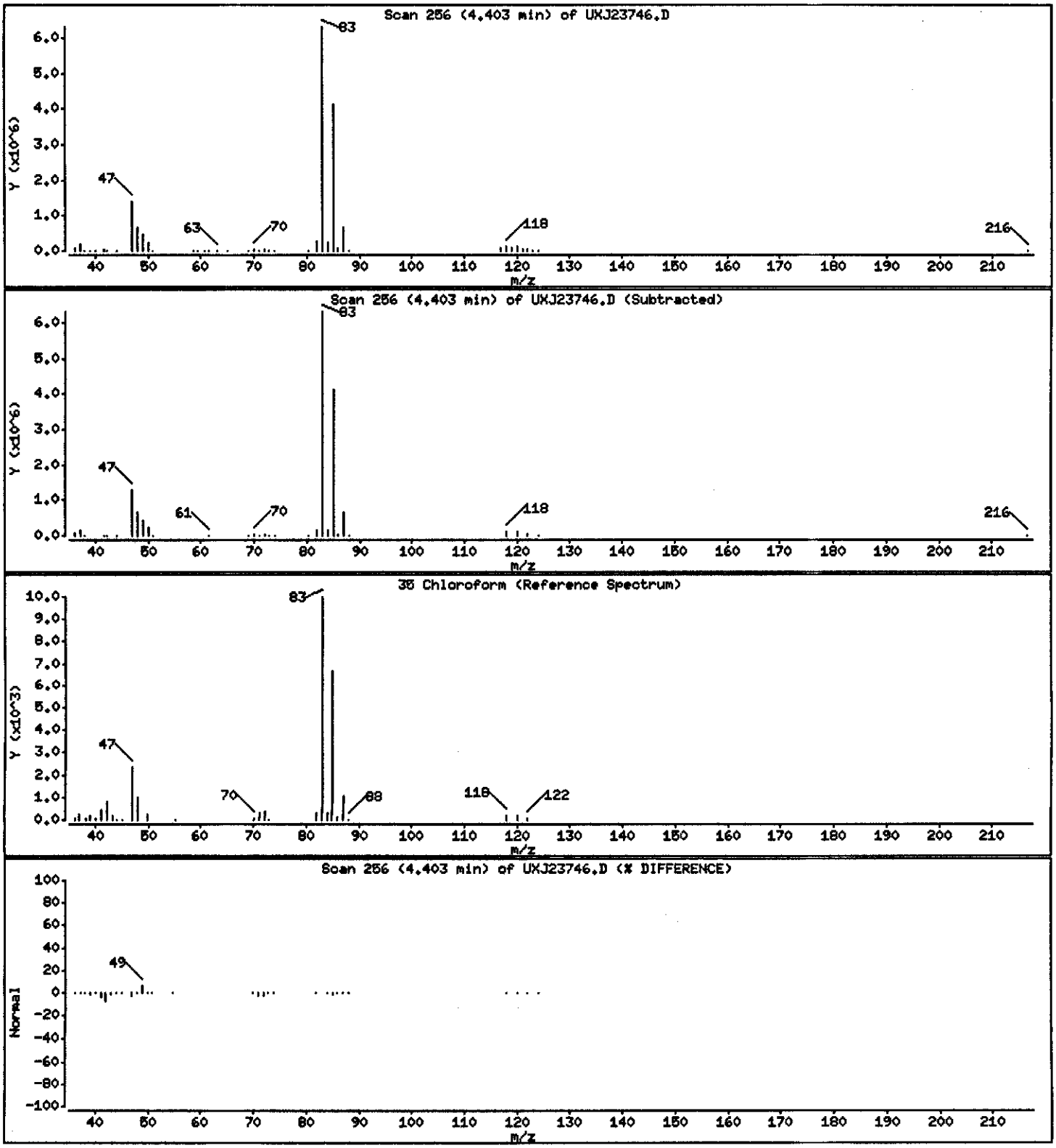
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 178.99 ug/L



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Date : 03-SEP-2004 15:10

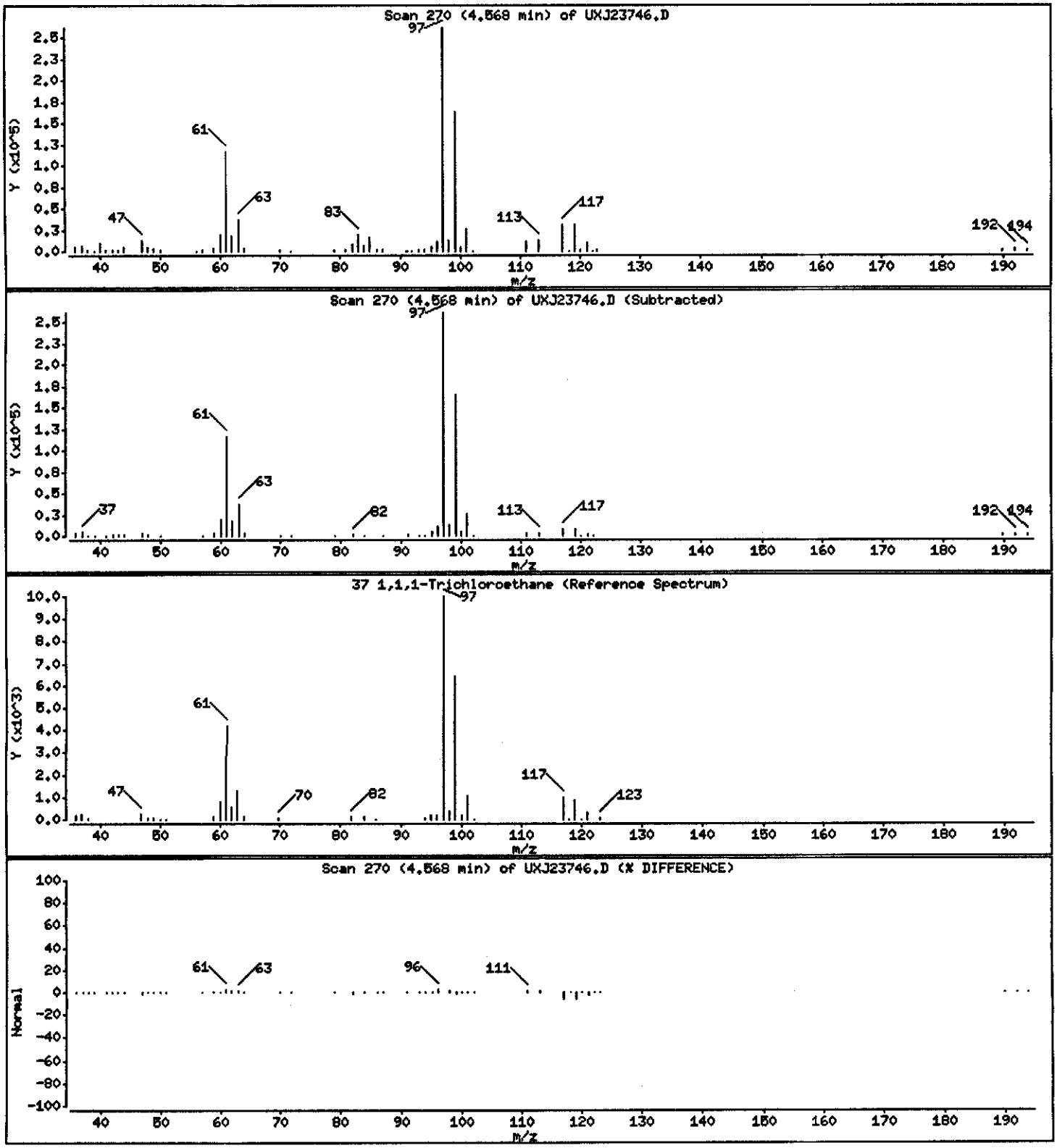
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 12.124 ug/L



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Date : 03-SEP-2004 15:10

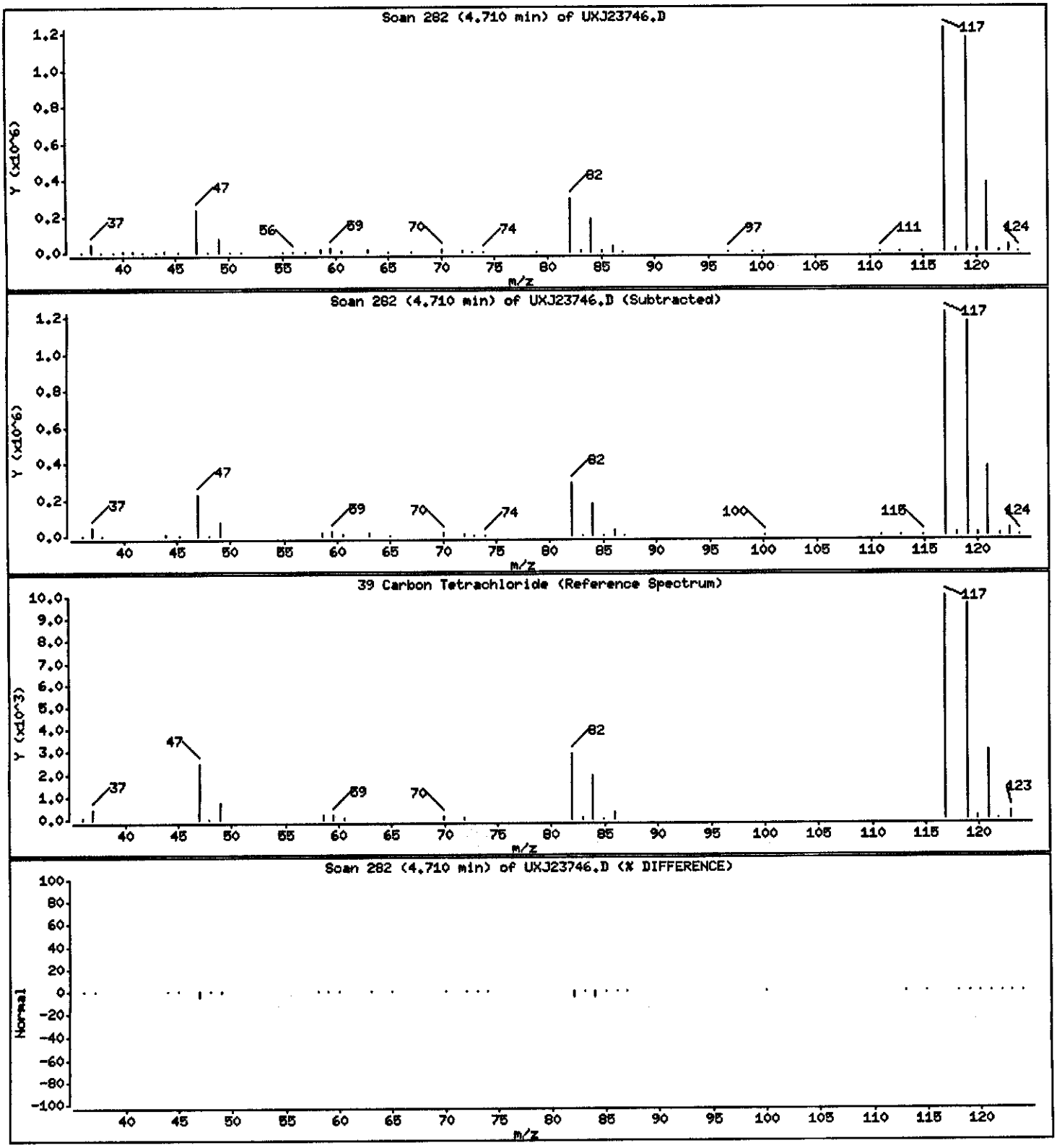
Client ID: MW-36/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

39 Carbon Tetrachloride Concentration: 75.358 ug/L



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Date : 03-SEP-2004 15:10

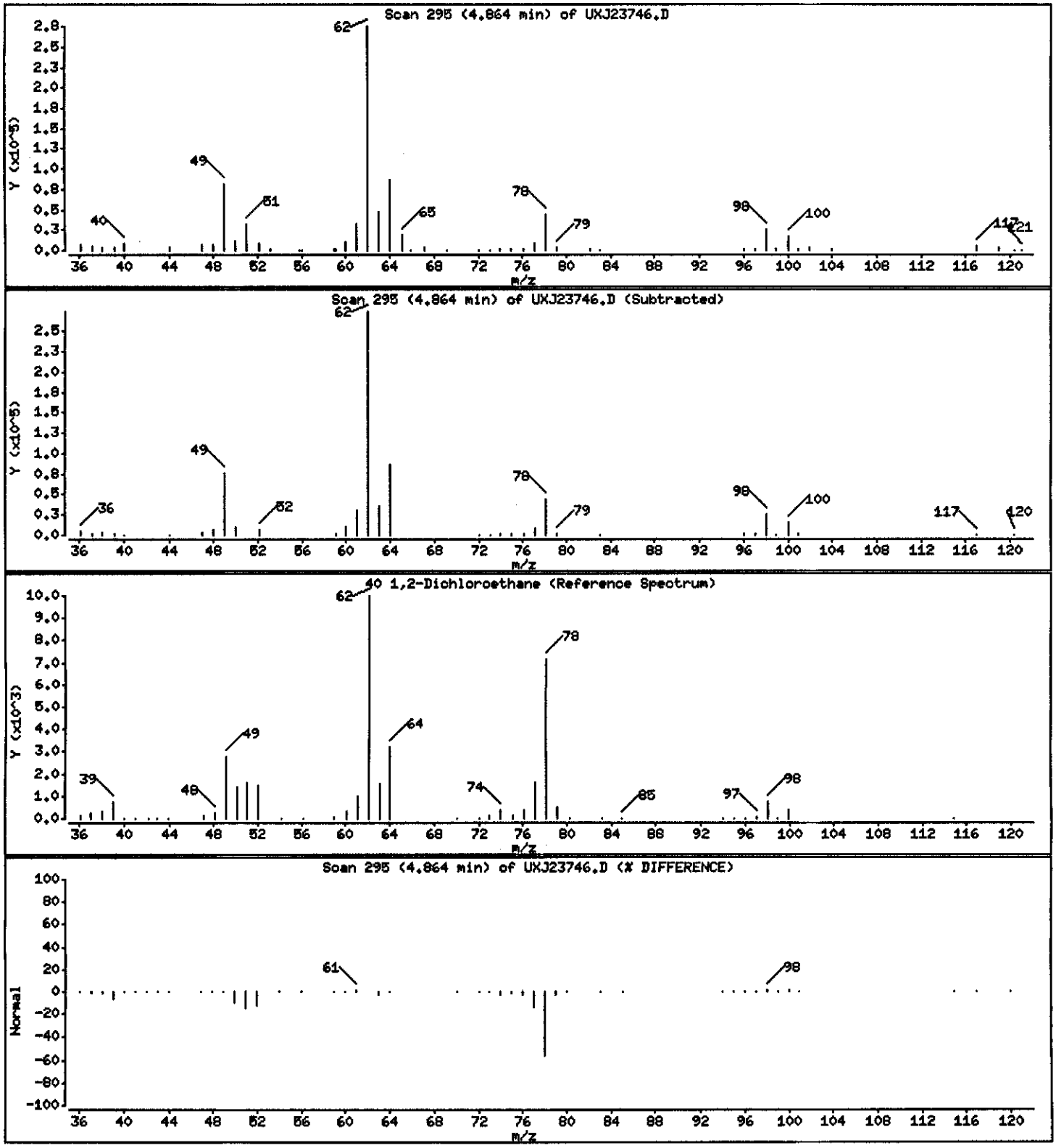
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 8.917 ug/L



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Date : 03-SEP-2004 15:10

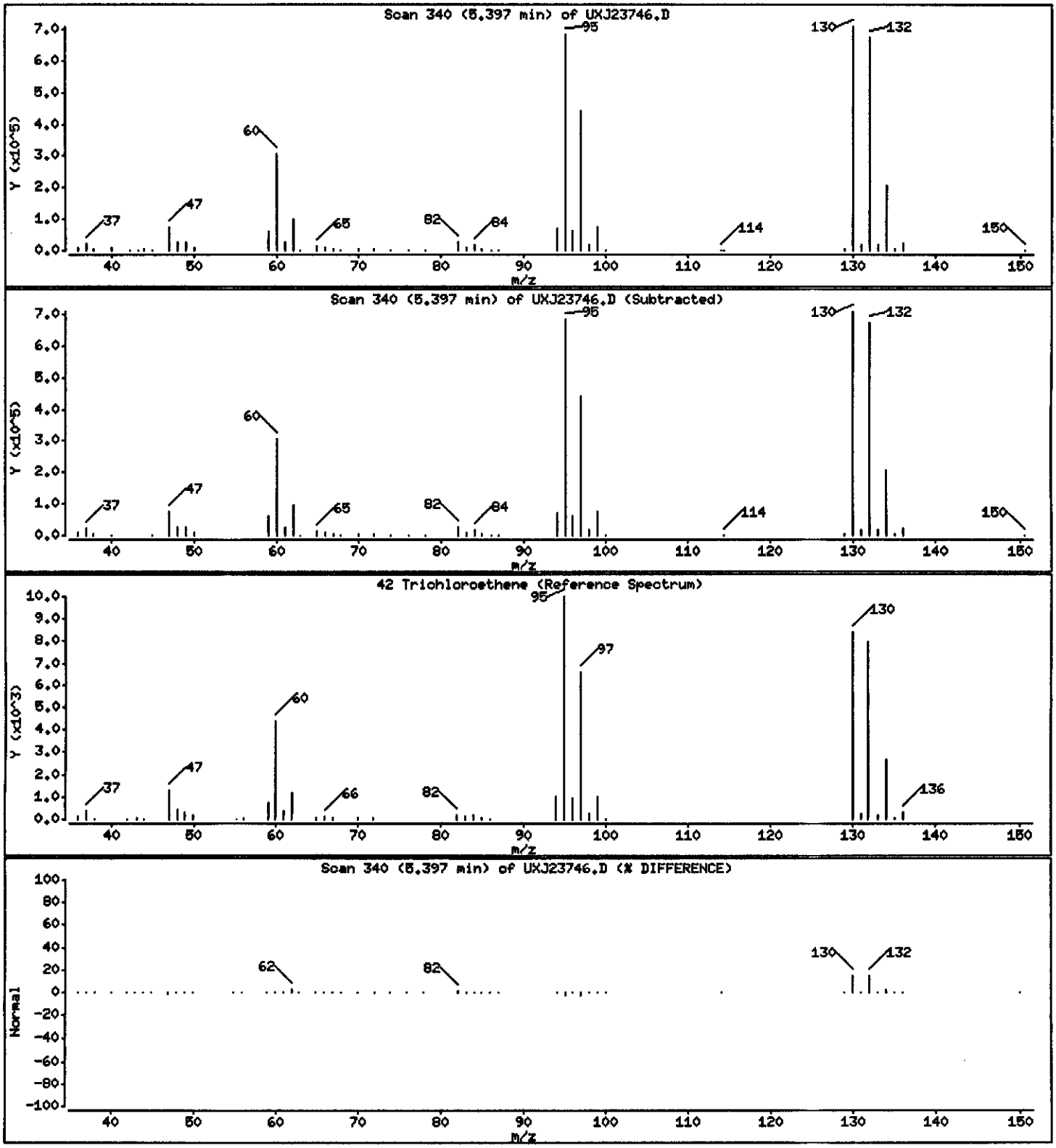
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDH2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 31.298 ug/L



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Date : 03-SEP-2004 15:10

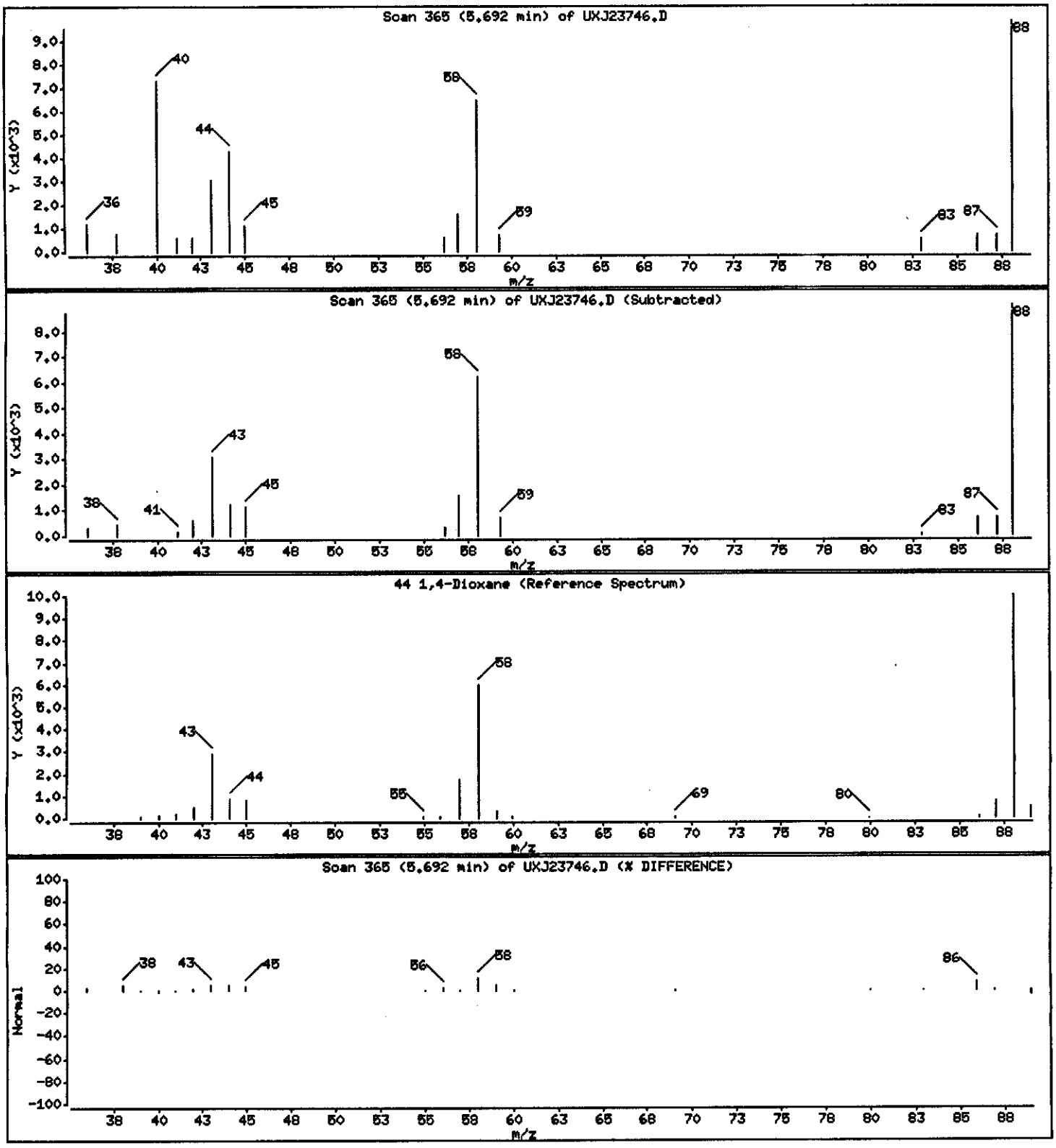
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 47.671 ug/L



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Date : 03-SEP-2004 15:10

Client ID: MW-35/090104

Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0

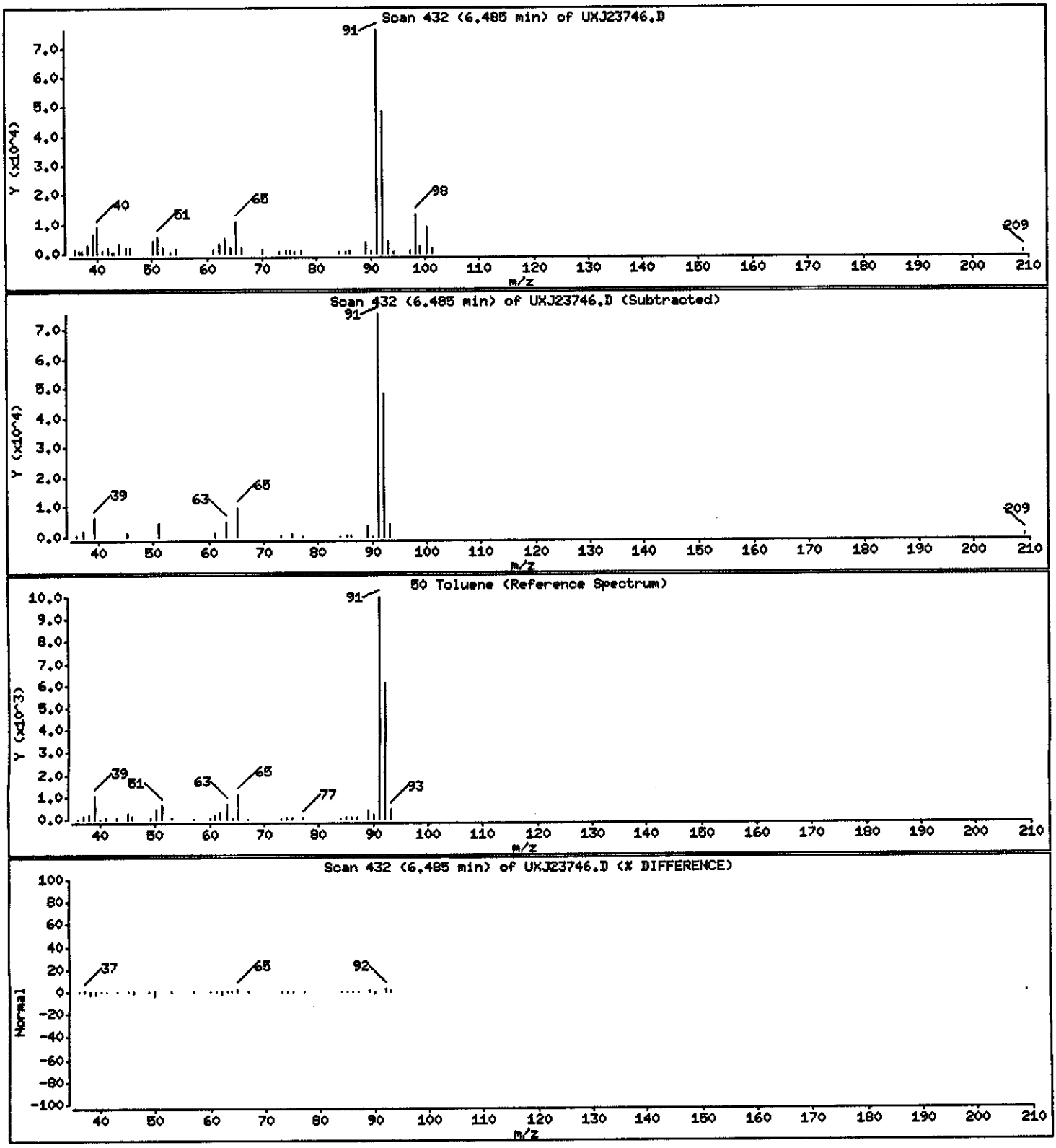
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.8499 ug/L



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Date : 03-SEP-2004 15:10

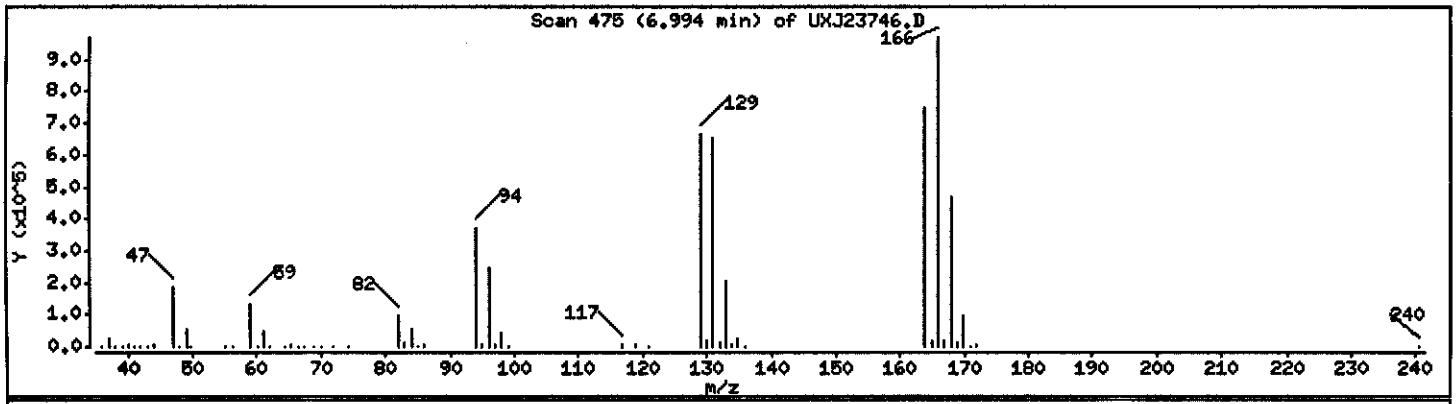
Client ID: MW-35/090104 Instrument: a3ux11.i

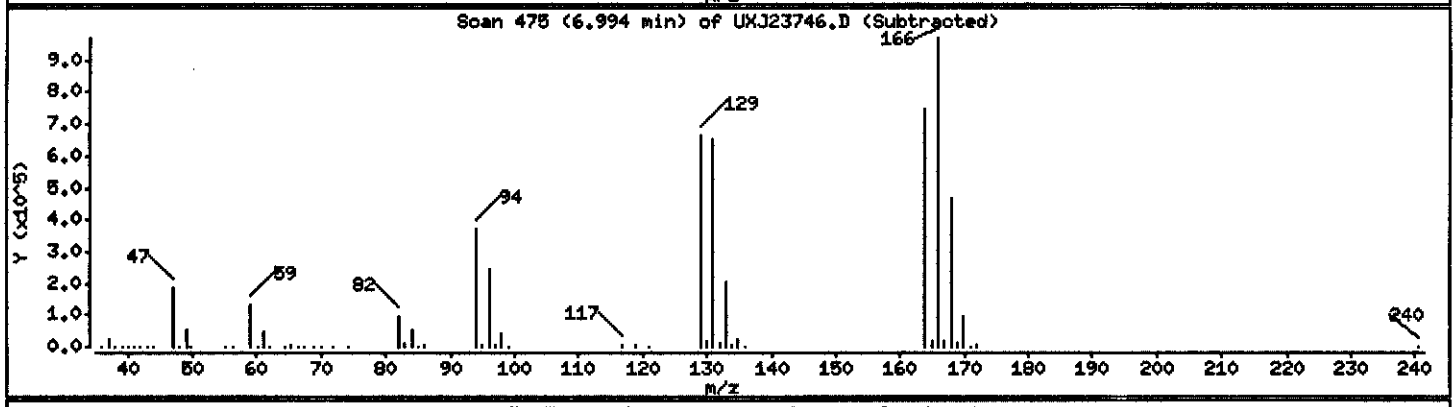
Sample Info: GPCDM2AA,5ML/5ML

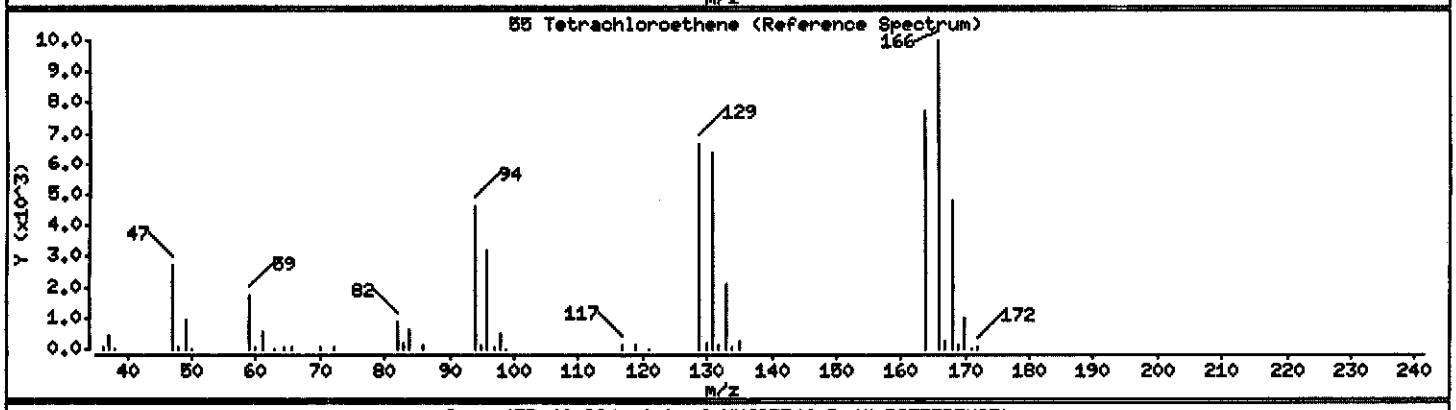
Purge Volume: 5.0 Operator: 43582

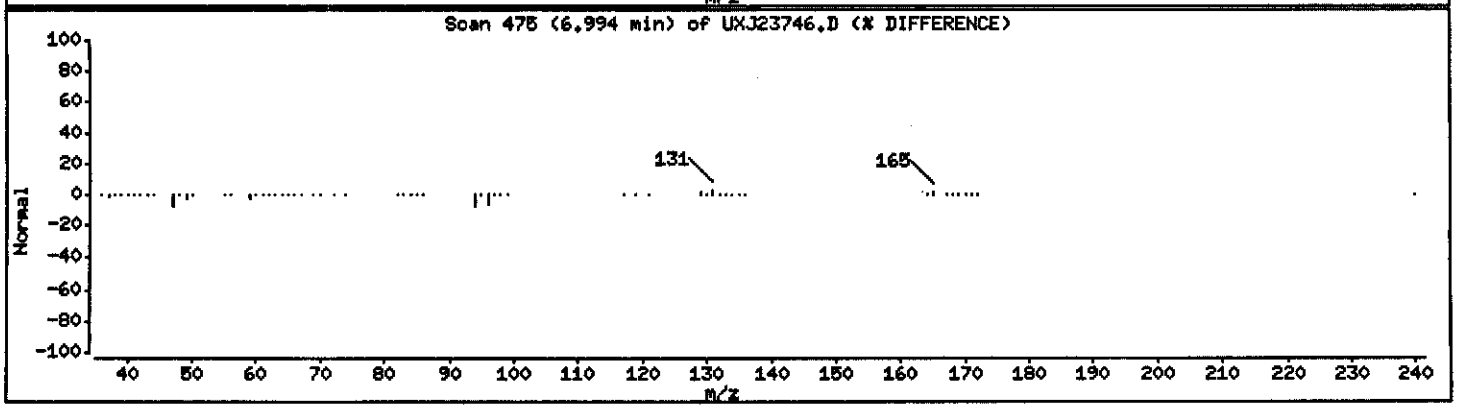
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 49.260 ug/L









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Date : 03-SEP-2004 15:10

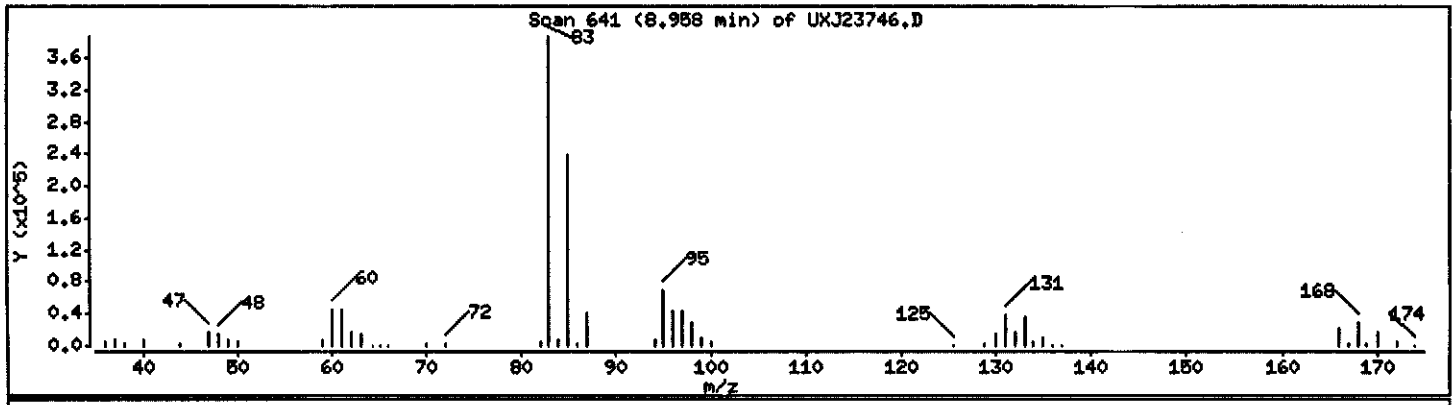
Client ID: MW-35/090104 Instrument: a3ux11.i

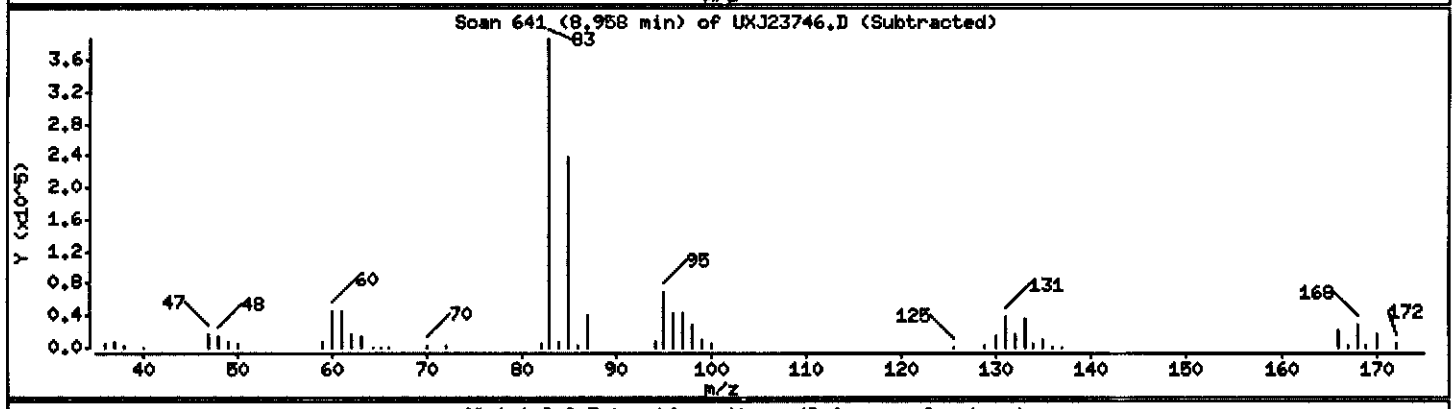
Sample Info: GPGDM2AA,5ML/5ML

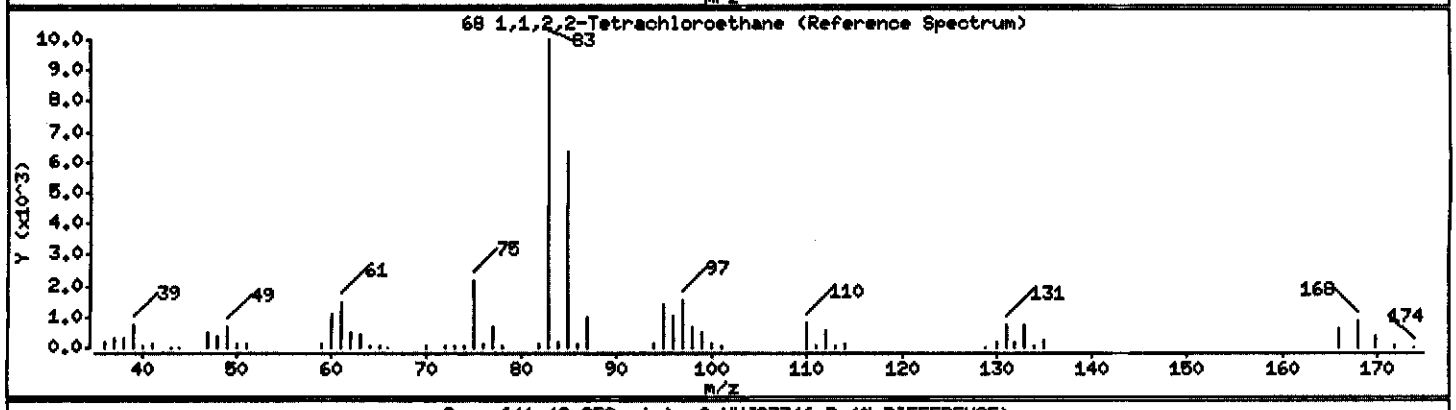
Purge Volume: 5.0 Operator: 43582

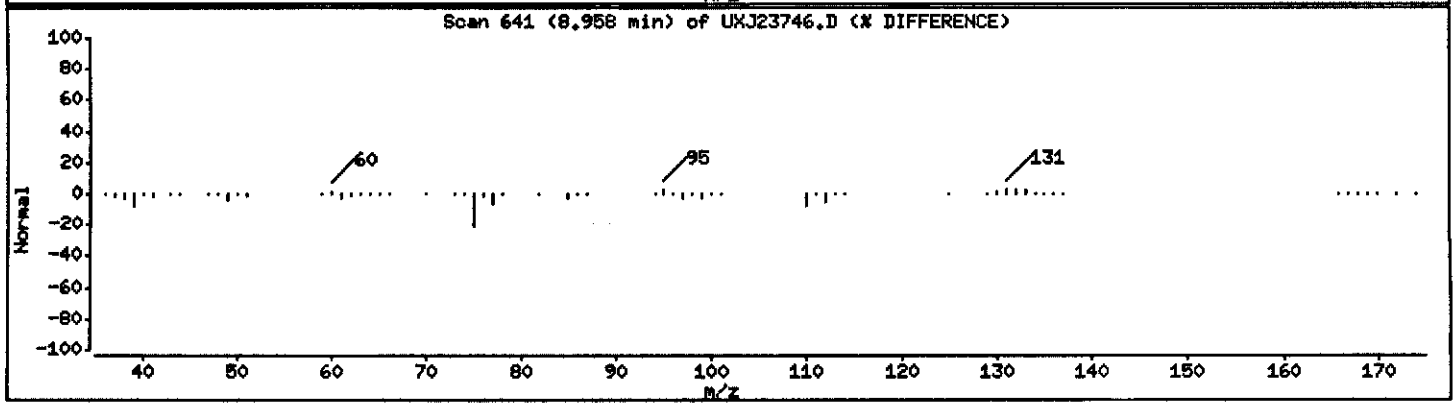
Column phase: DB624 Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 14.349 ug/L









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Date : 03-SEP-2004 15:10

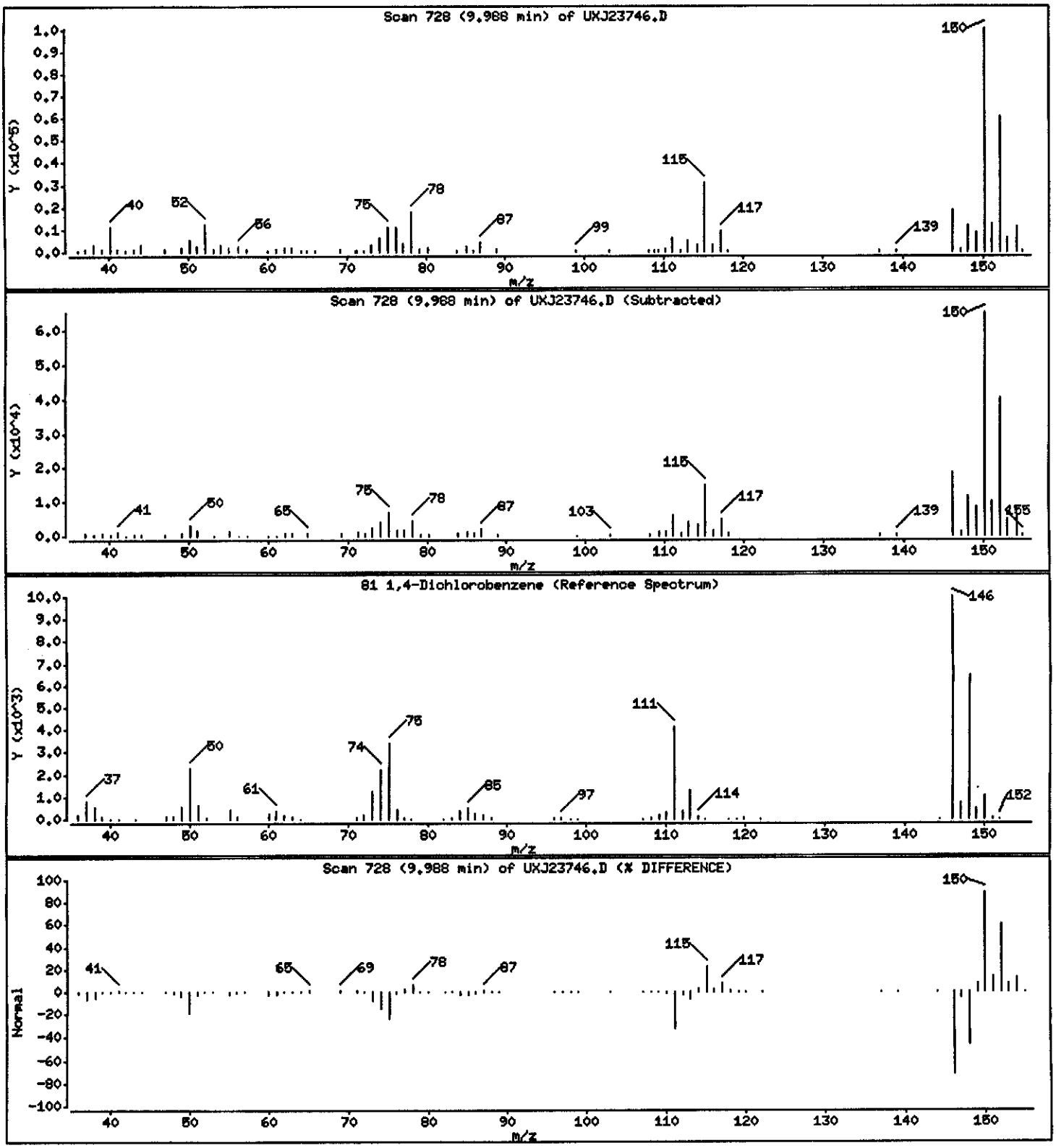
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 0.3635 ug/L



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Date : 03-SEP-2004 15:10

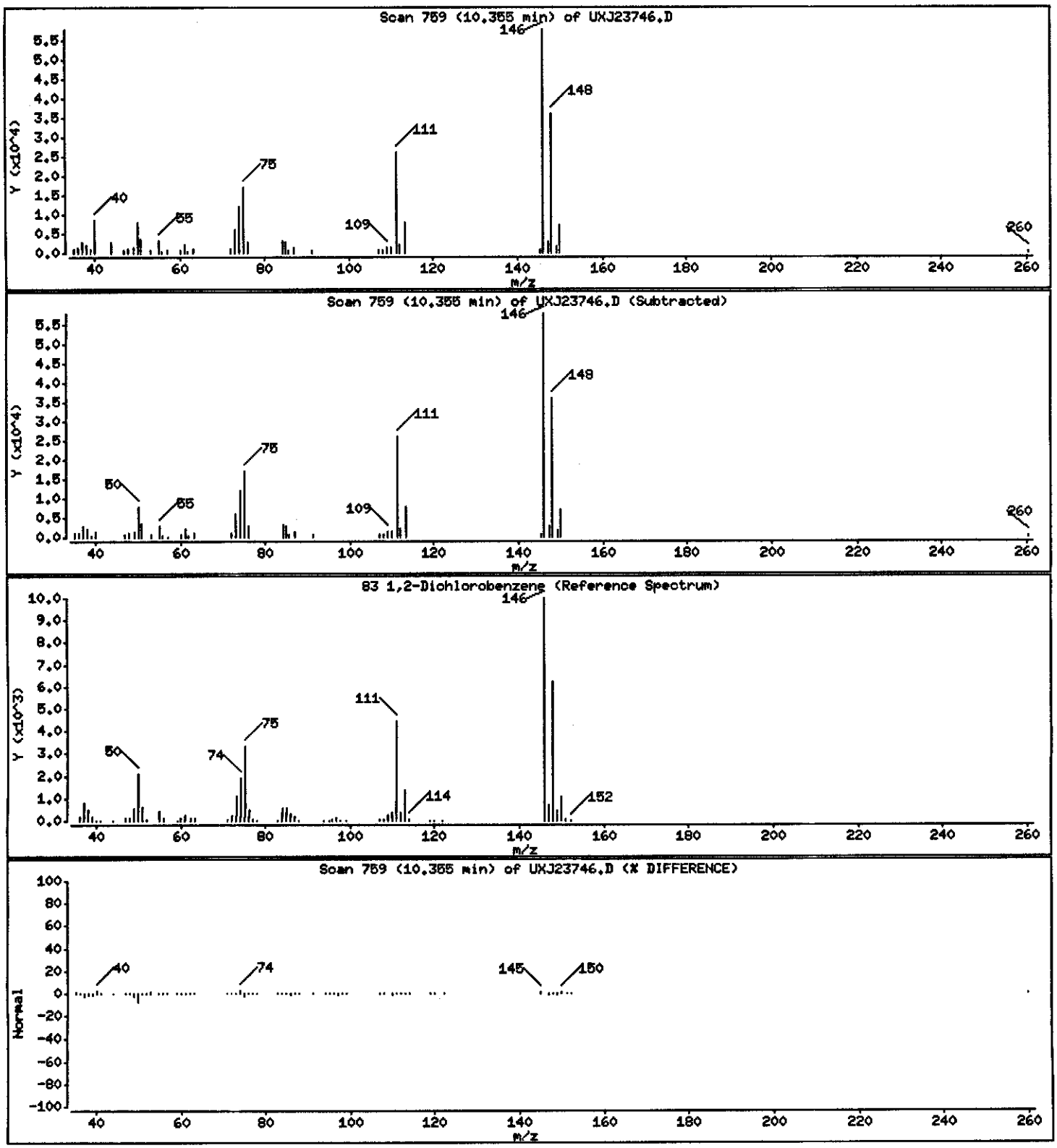
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPGDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

83 1,2-Dichlorobenzene Concentration: 1.339 ug/L



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Date : 03-SEP-2004 15:10

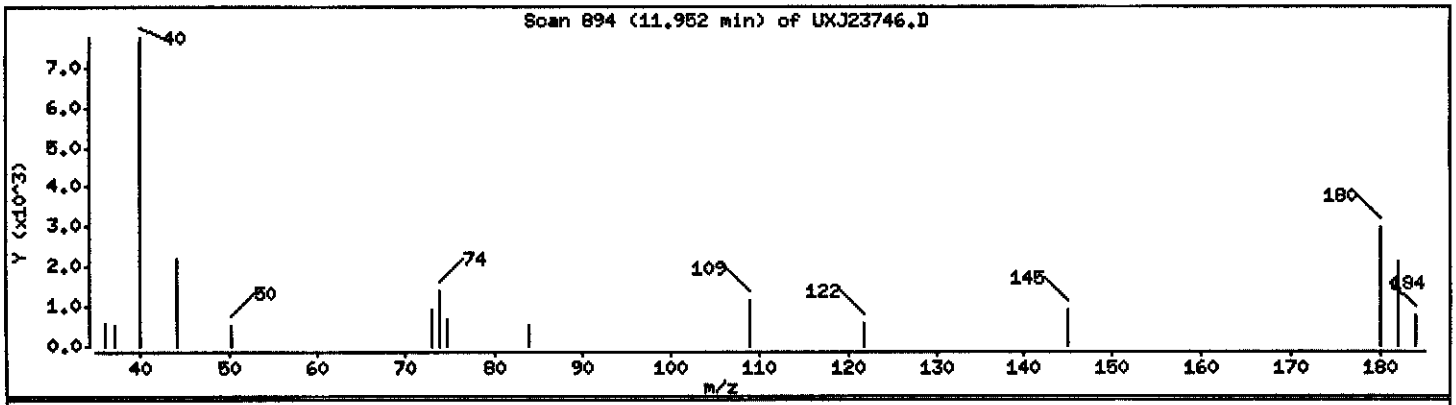
Client ID: MW-35/090104 Instrument: a3ux11.i

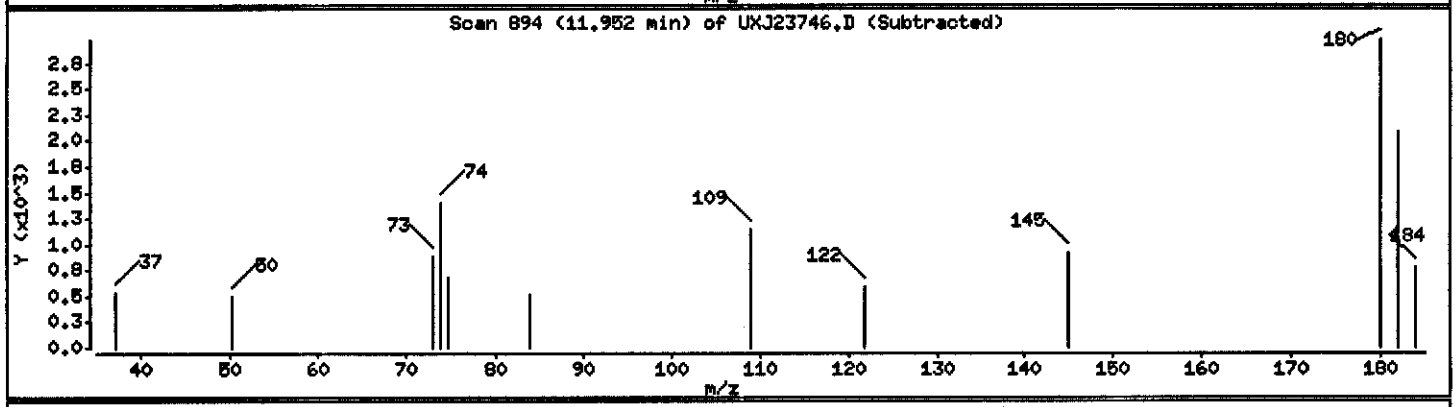
Sample Info: GPCDM2AA,5ML/5ML

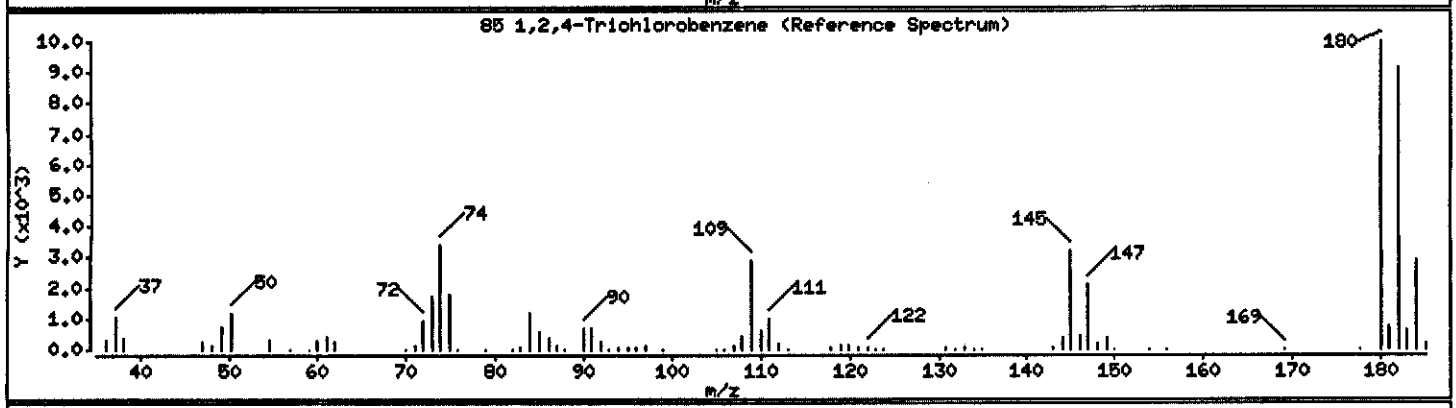
Purge Volume: 5.0 Operator: 43582

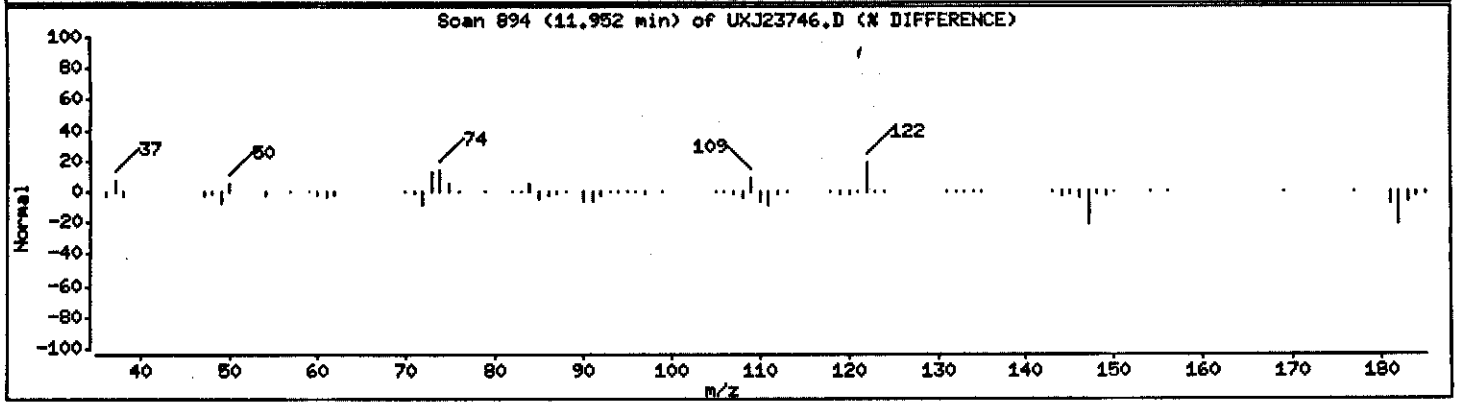
Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.1957 ug/L









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Date : 03-SEP-2004 15:10

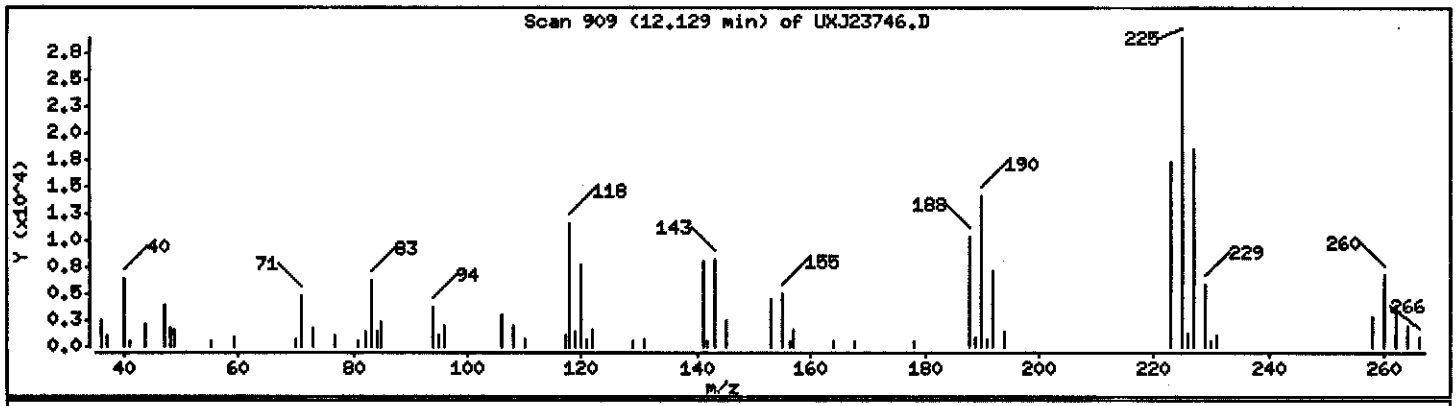
Client ID: MW-35/090104 Instrument: a3ux11.i

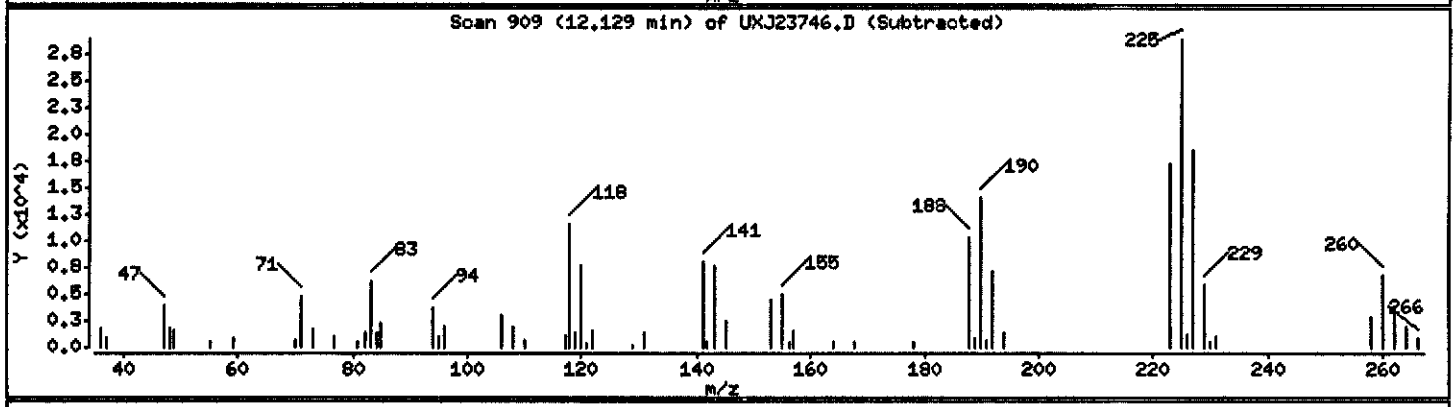
Sample Info: GPGDM2AA,5ML/5ML

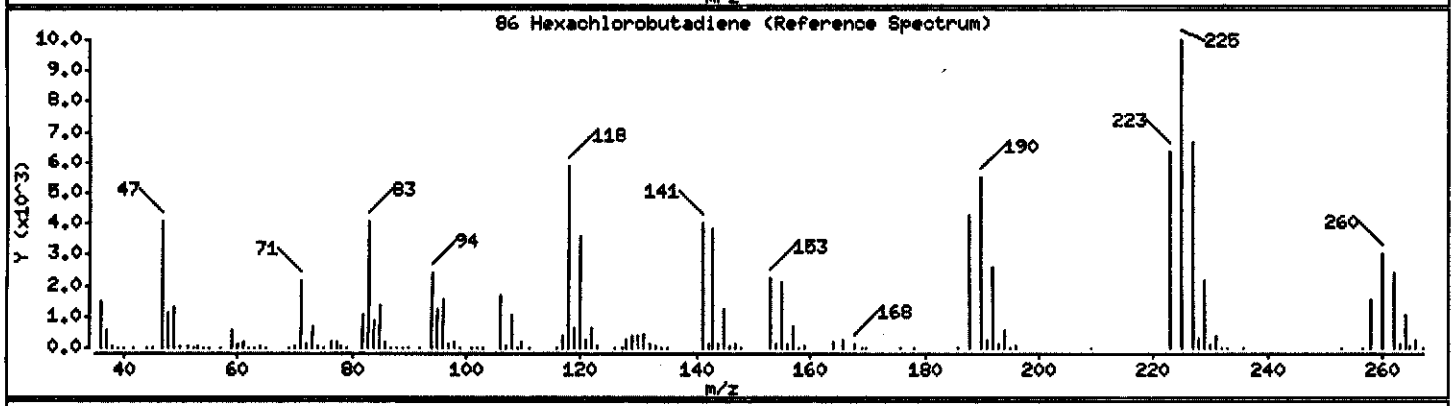
Purge Volume: 5.0 Operator: 43582

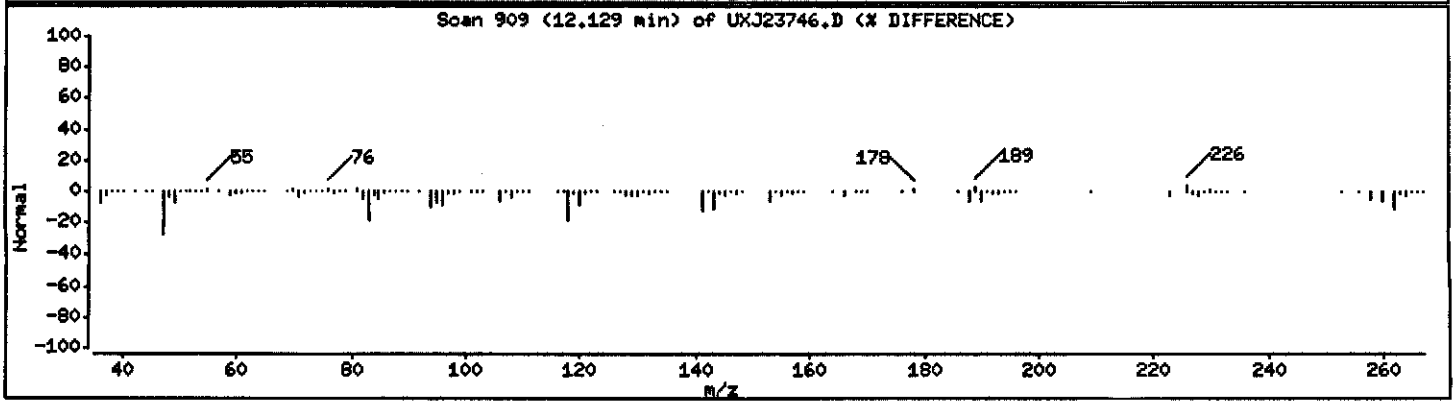
Column phase: DB624 Column diameter: 0.18

86 Hexachlorobutadiene Concentration: 3.451 ug/L









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Date : 03-SEP-2004 15:10

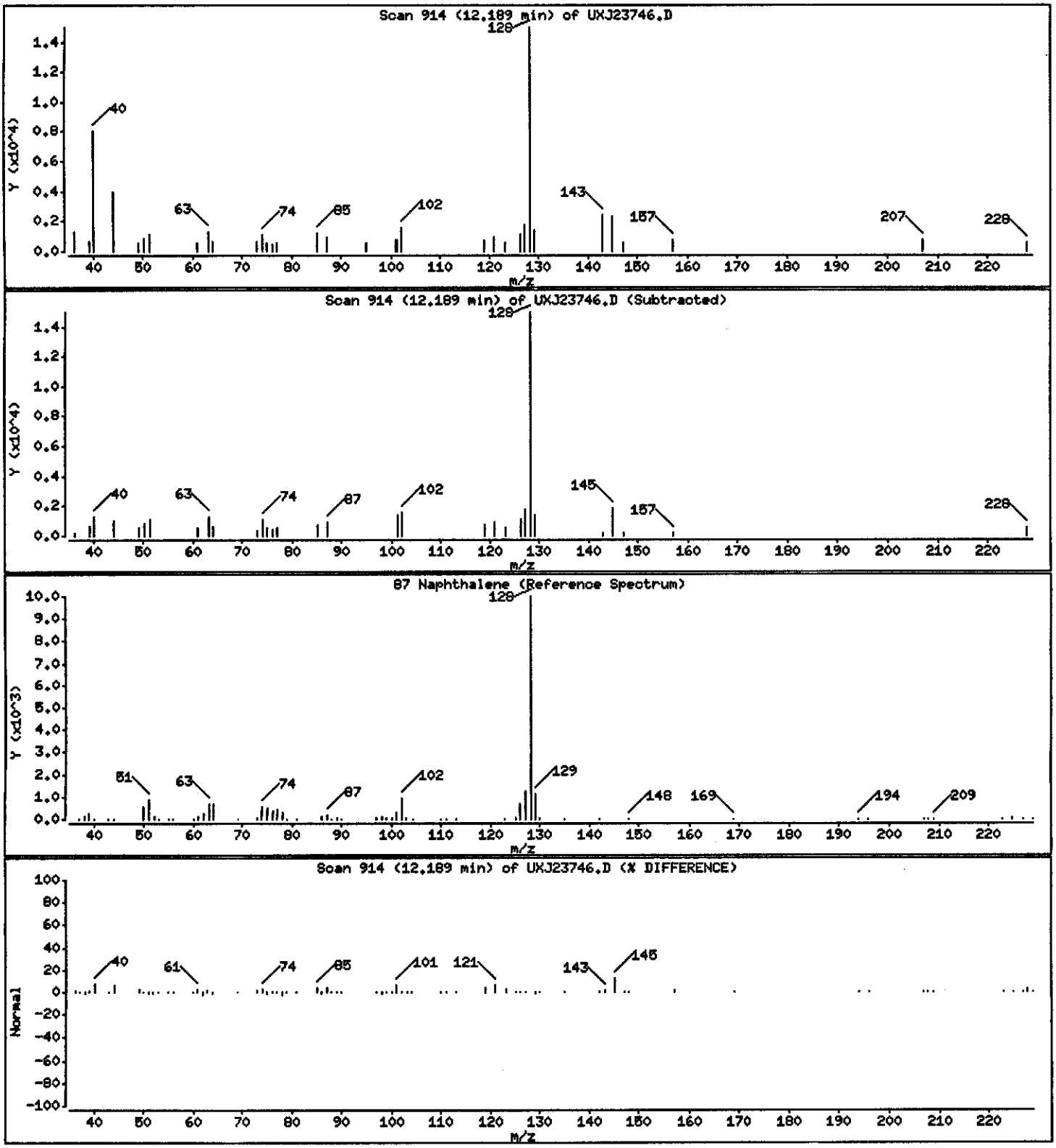
Client ID: MW-35/090104 | Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

87 Naphthalene | Concentration: 0.7800 ug/L



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Date : 03-SEP-2004 15:10

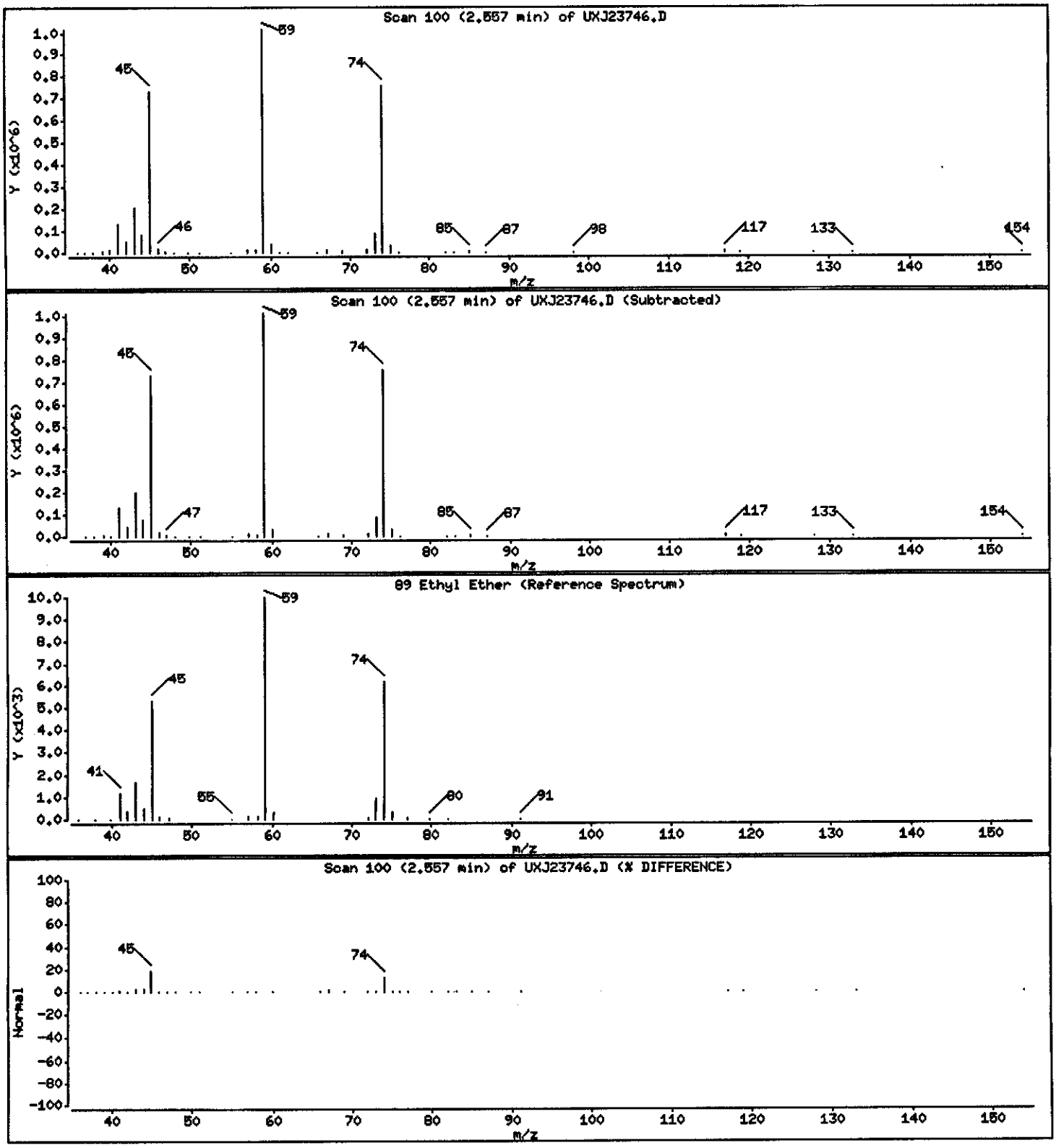
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 47.938 ug/L



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Date : 03-SEP-2004 15:10

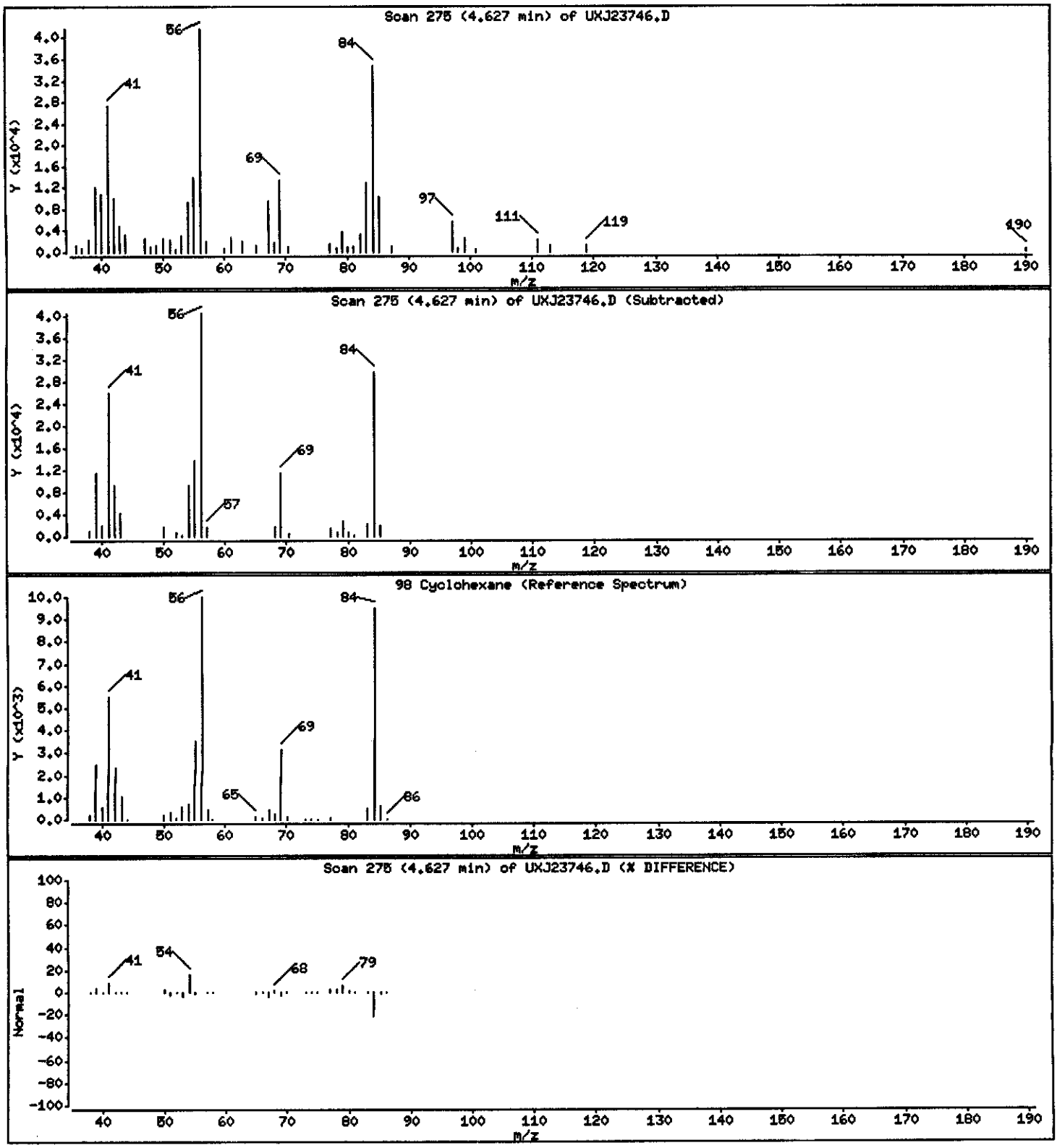
Client ID: MW-35/090104 Instrument: a3ux11.i

Sample Info: GPCDM2AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 2.796 ug/L



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Date : 03-SEP-2004 15:10

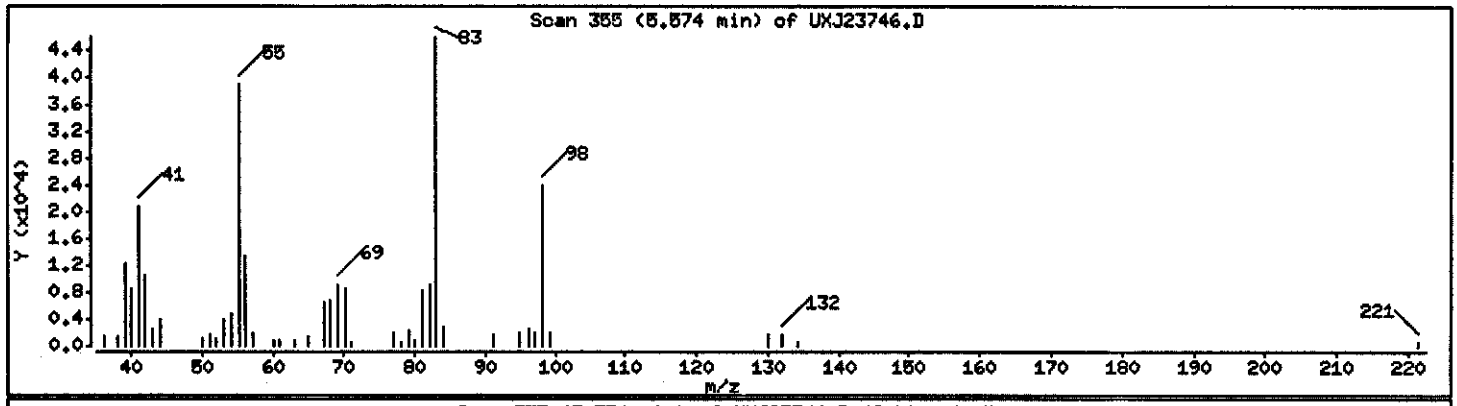
Client ID: MW-35/090104 Instrument: a3ux11.i

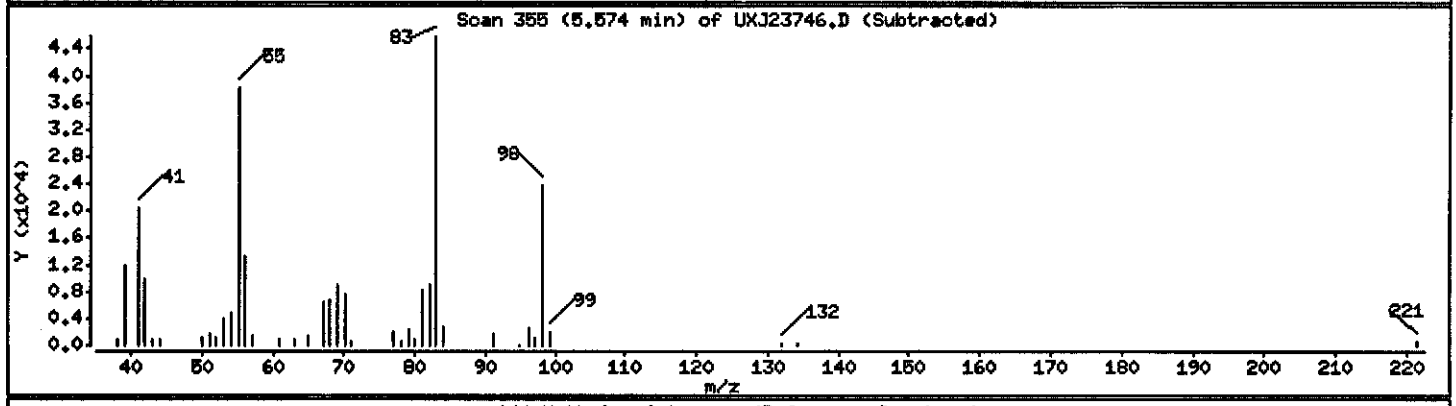
Sample Info: GPCDM2AA,5ML/5ML

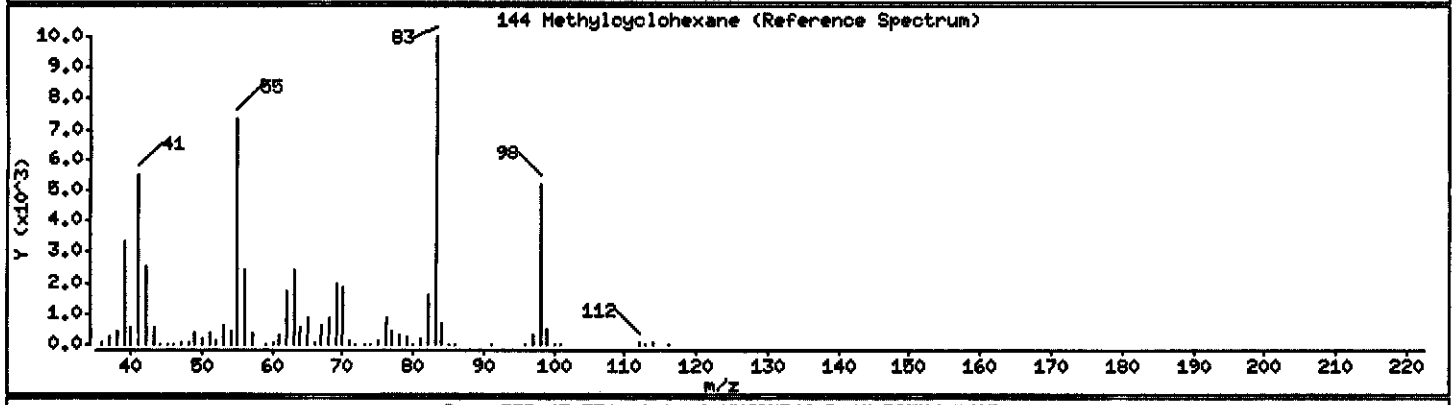
Purge Volume: 5.0 Operator: 43582

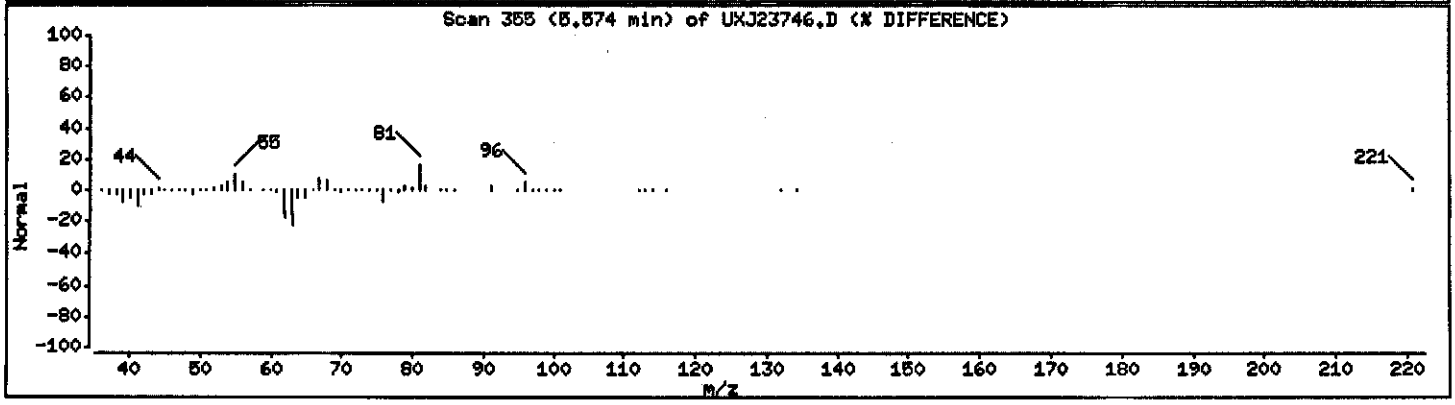
Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 2.720 ug/L









PAYNE FIRM INC.

Client Sample ID: WRPZ05/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-006 **Work Order #...:** GPGDN1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 13:40 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**30 B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**3.3 J**	**10**	**ug/L**
Carbon disulfide	**0.37 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**13 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ05/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-006 **Work Order #...:** GPGDN1AA **Matrix.....:** WG

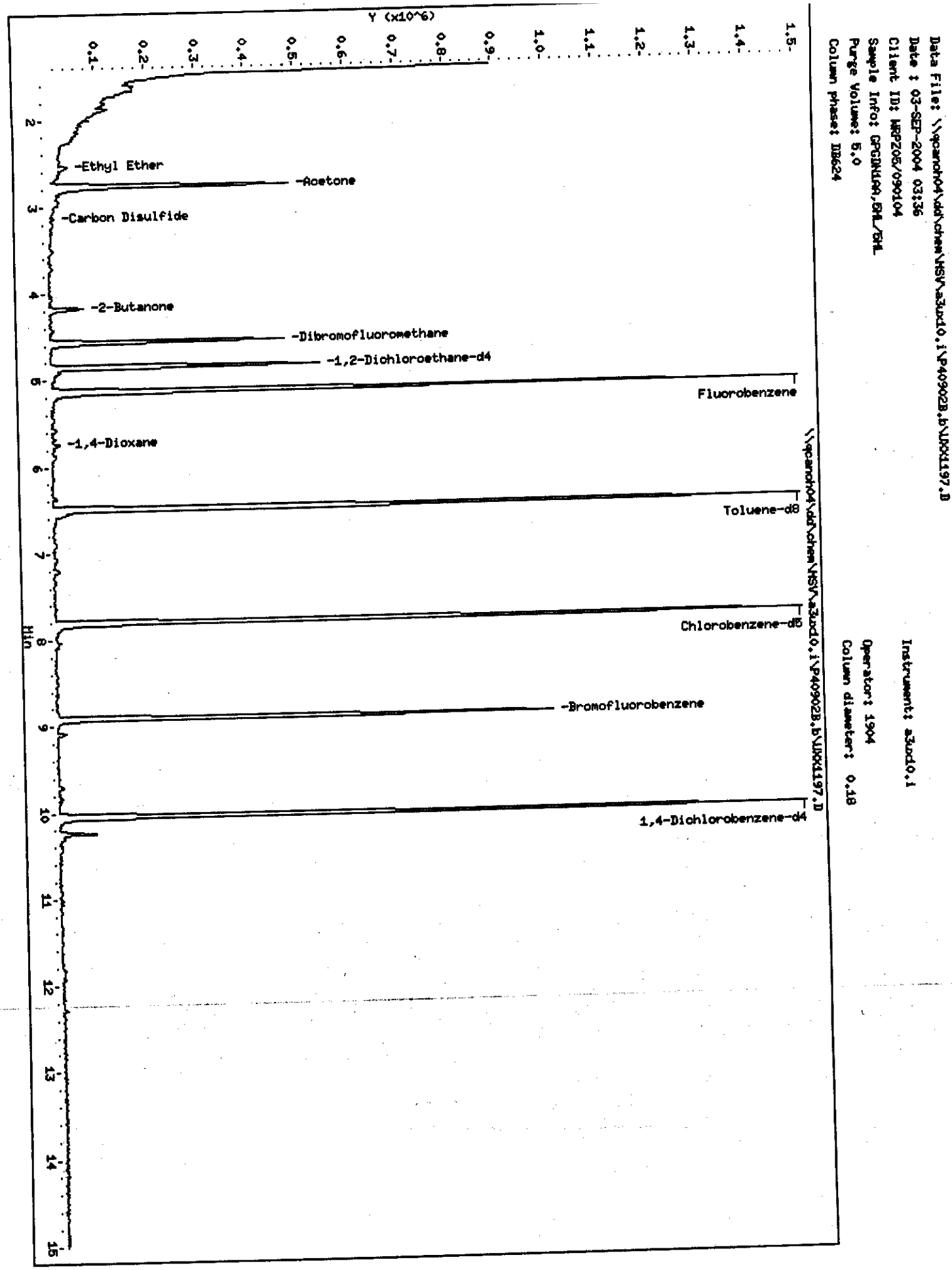
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.


Data File: \\qcandh04\dd\chem\HSV\a3ux10.i\P409028.b\UXX1197.D
Date : 03-SEP-2004 03:36
Client ID: WRPZ05/090104
Sample Info: GPGUN1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Ethyl Ether
-Acetone
-Carbon Disulfide
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcandh04\dd\chem\HSV\a3ux10.i\P409028.b\UXX1197.D
Min
2
3
4
5
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14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1197.D
Report Date: 03-Sep-2004 17:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1197.D
Lab Smp Id: GPGDN1AA
Client Smp ID: WRPZ05/090104
Inj Date : 03-SEP-2004 03:36
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGDN1AA,5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1495212	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1095571	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	510240	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	299410	53.3883	10.678
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	417032	53.9338	10.787
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1194091	52.8939	10.579
$ 7 Bromofluorobenzene	95	8.921	8.909	(1.142)	394843	45.0207	9.004
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.768	2.768	(0.539)	809189	151.548	30.310
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1197.D
Report Date: 03-Sep-2004 17:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.957	2.969	(0.576)	31632	1.86149	0.3723
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.176	(0.813)	102284	16.3575	3.272
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	14944	66.6360	13.327
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1197.D
Report Date: 03-Sep-2004 17:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.543	2.544	(0.495)	13940	1.80692	0.3614
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1197.D

Date : 03-SEP-2004 03:36

Client ID: WRPZ05/090104

Instrument: a3ux10.i

Sample Info: GPCDN1AA,5ML/5ML

Operator: 1904

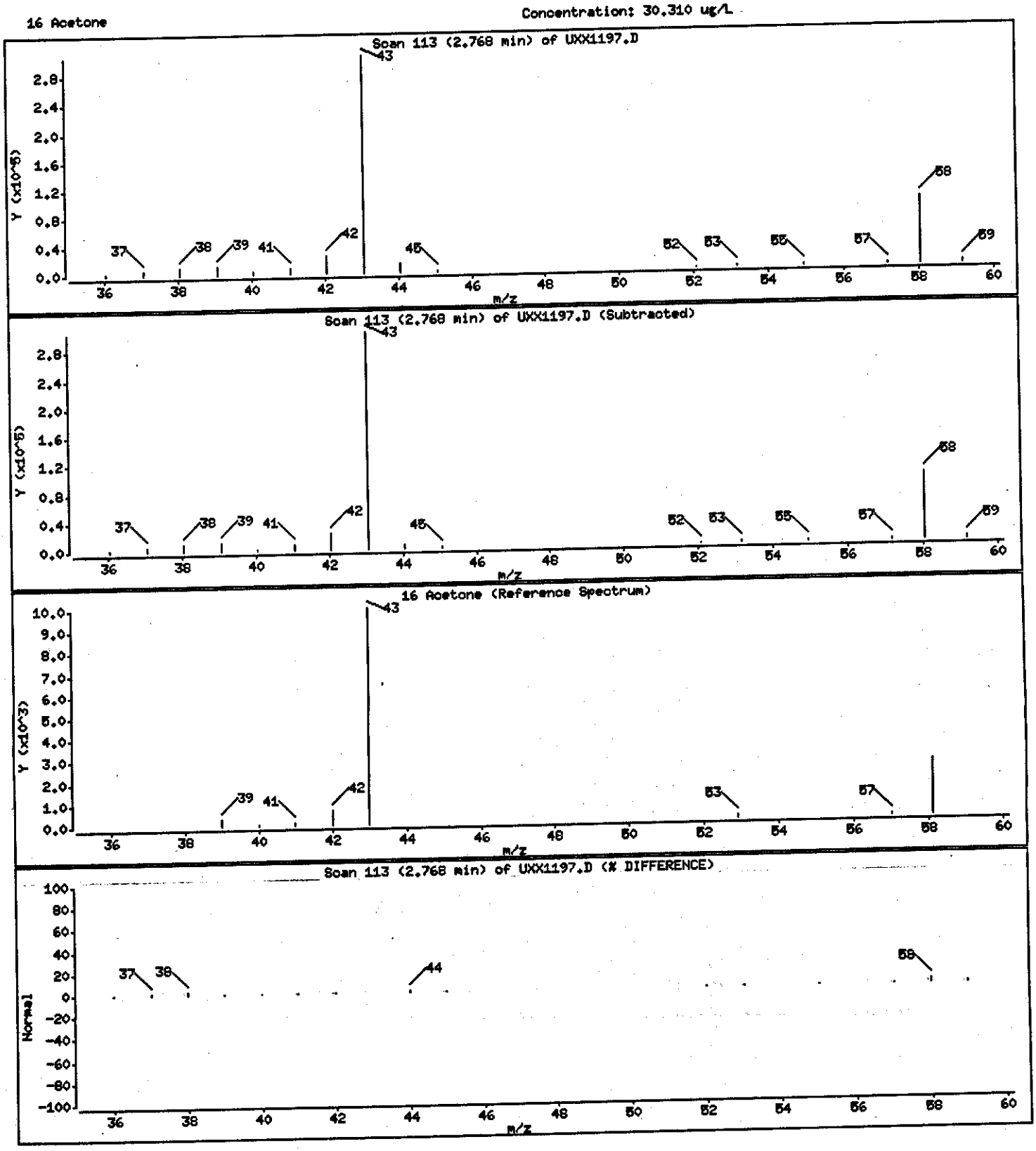
Purge Volume: 5.0

Column phase: DB624

Column diameter: 0.18

Concentration: 30.310 ug/L

16 Acetone



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Date : 03-SEP-2004 03:36

Client ID: WRPZ05/090104

Instrument: a3ux10.i

Sample Info: GPGDN1AA,5ML/5ML

Purge Volume: 5.0

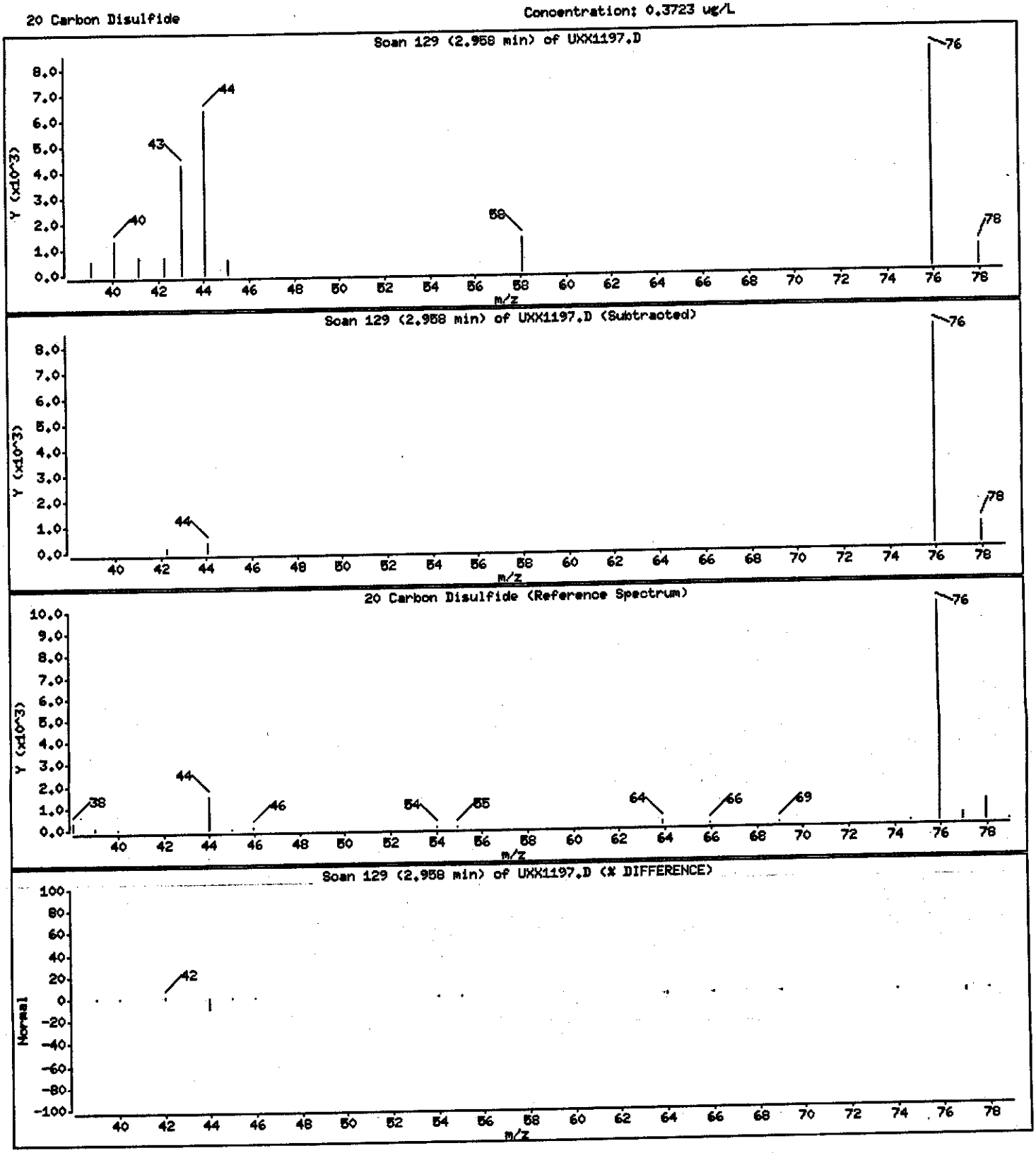
Operator: 1904

Column phase: DB624

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.3723 ug/L



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Date : 03-SEP-2004 03:36

Client ID: WRPZ05/090104

Instrument: a3ux10.i

Sample Info: CPCDN1AA,5ML/5ML

Operator: 1904

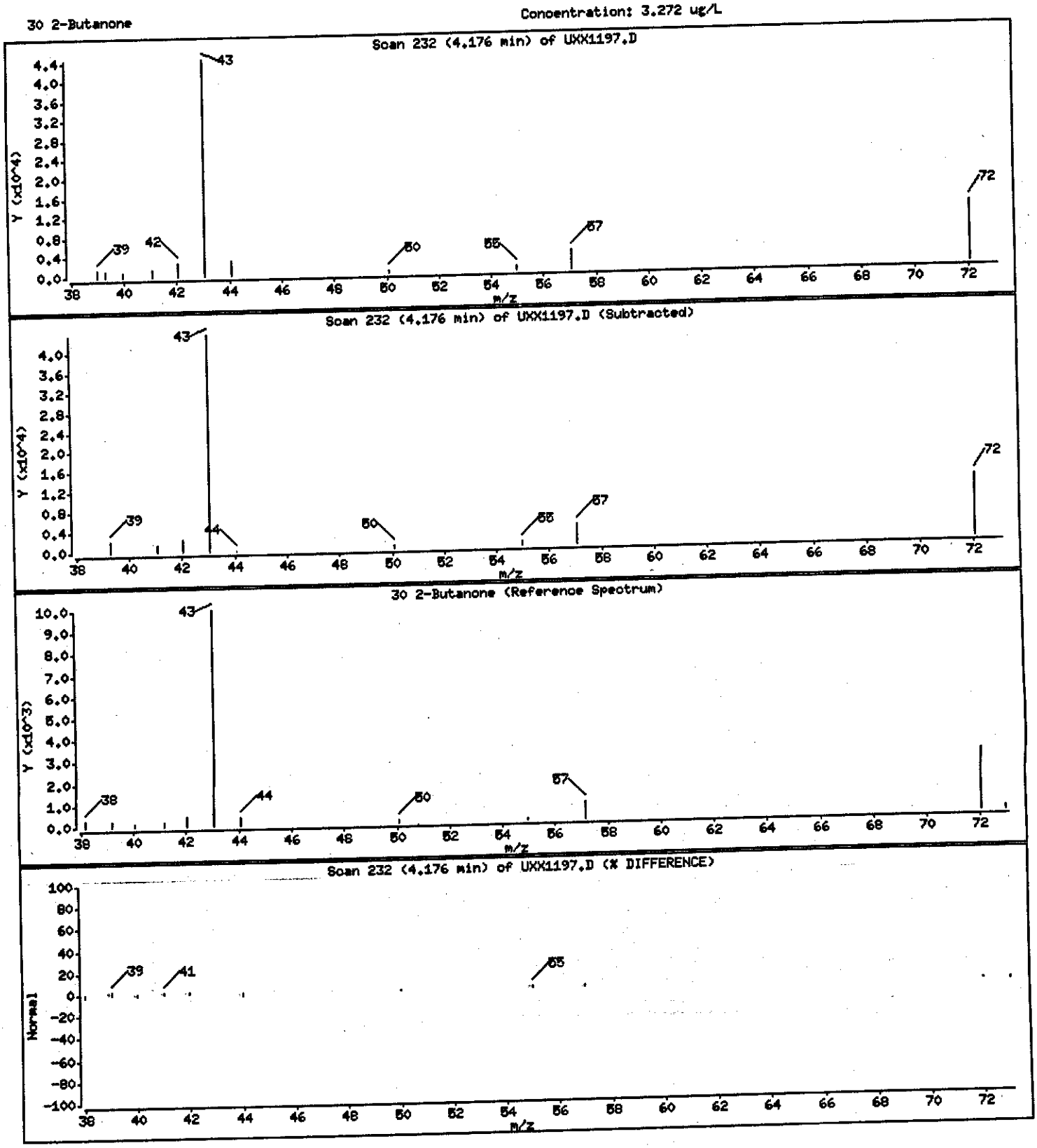
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 3.272 ug/L

30 2-Butanone



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Date : 03-SEP-2004 03:36

Client ID: WRPZ05/090104

Instrument: a3ux10.i

Sample Info: GPGDN1AA,5ML/5ML

Purge Volume: 5.0

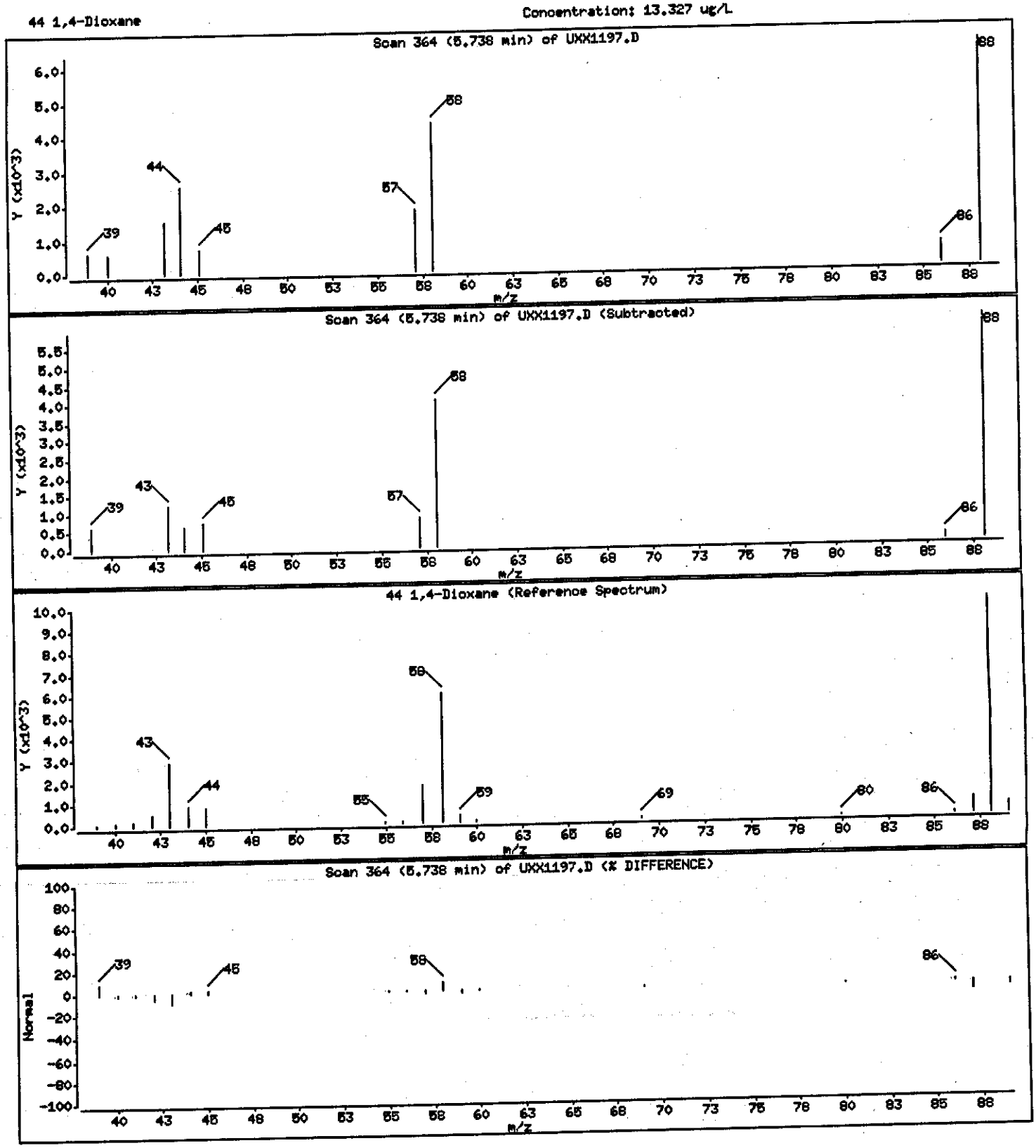
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 13.327 ug/L

44 1,4-Dioxane



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Date : 03-SEP-2004 03:36

Client ID: WRPZ05/090104

Sample Info: CPGDN1AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

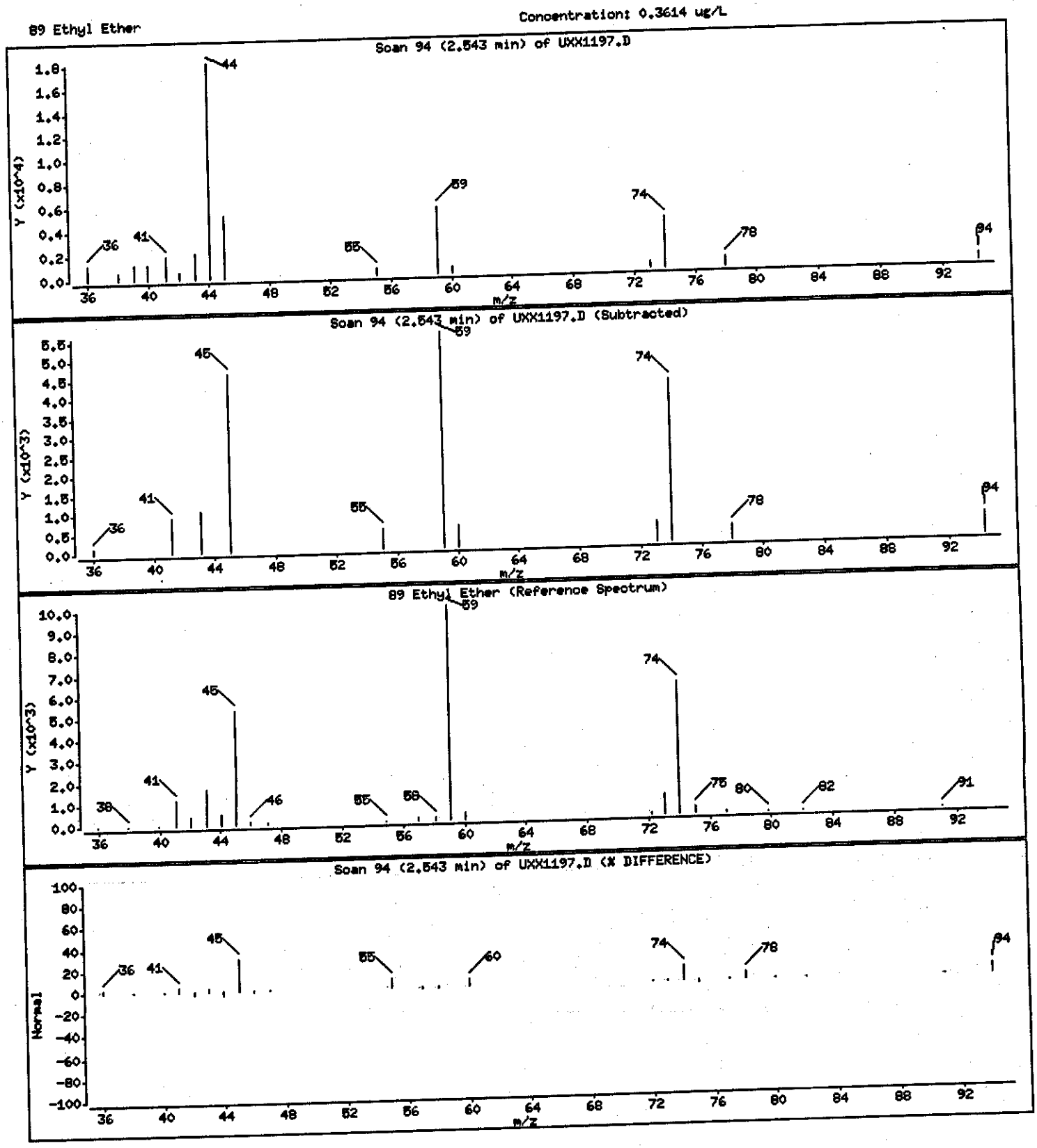
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.3614 ug/L

89 Ethyl Ether



PAYNE FIRM INC.

Client Sample ID: WRPZ20/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-007 **Work Order #...:** GPGDP1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 13:55 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.4 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.67 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ20/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-007 **Work Order #...:** GPGDP1AA **Matrix.....:** WG

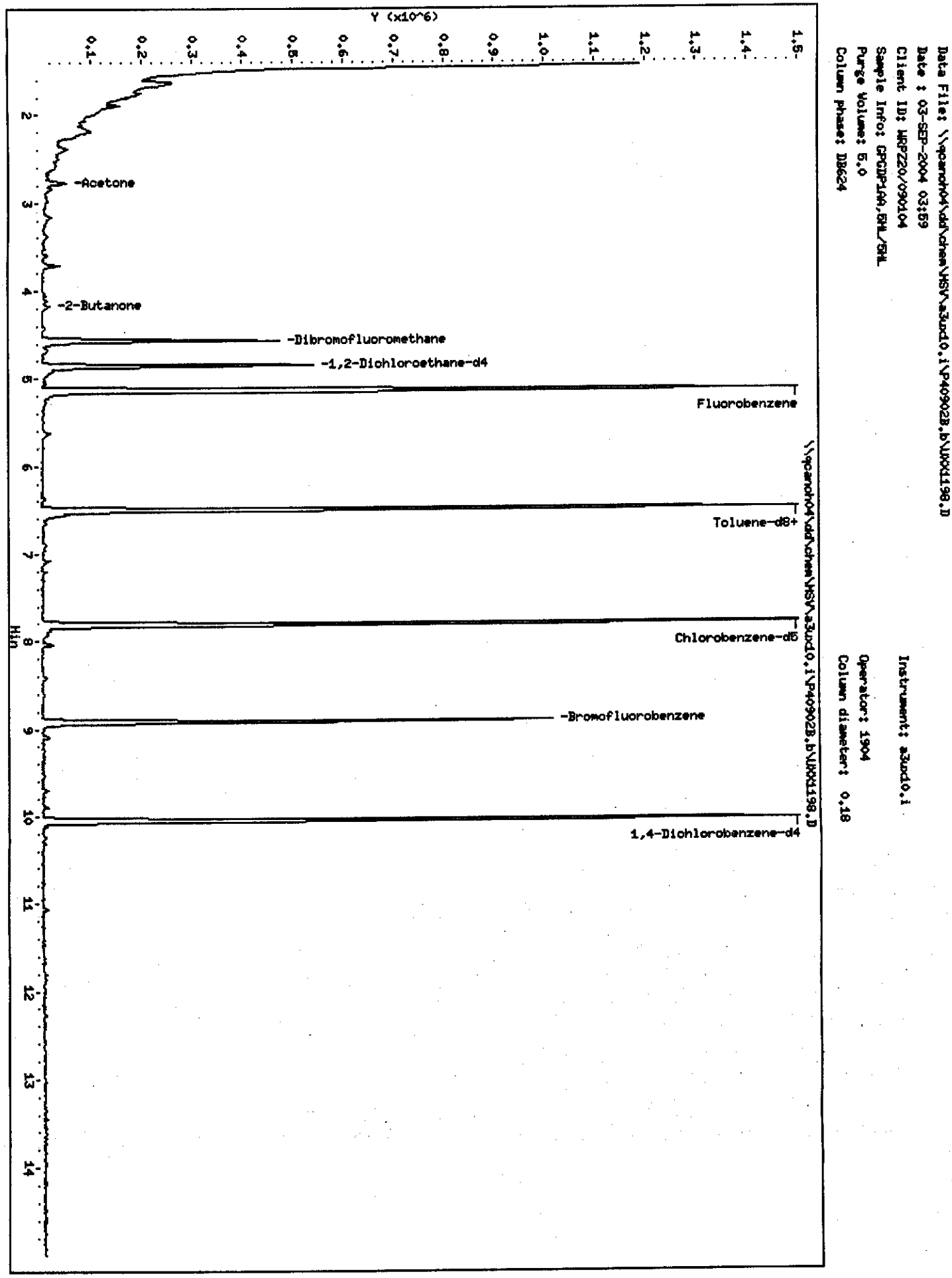
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.23 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.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Date : 03-SEP-2004 03:59
Client ID: WRPZ20/090104
Sample Info: GPCDP1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1198.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1198.D
Report Date: 03-Sep-2004 17:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1198.D
Lab Smp Id: GPGDP1AA Client Smp ID: WRPZ20/090104
Inj Date : 03-SEP-2004 03:59
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GPGDP1AA,5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.135	(1.000)	1515113	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.809	(1.000)	1113798	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.045	(1.000)	516218	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.567	(0.889)	296085	52.1019	10.420
$ 5 1,2-Dichloroethane-d4	65	4.853	4.851	(0.945)	413824	52.8160	10.563
$ 6 Toluene-d8	98	6.497	6.495	(0.832)	1190457	51.8700	10.374
$ 7 Bromofluorobenzene	95	8.911	8.909	(1.141)	405268	45.4532	9.091
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.770	2.768	(0.539)	63795	11.7909	2.358
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1198.D
Report Date: 03-Sep-2004 17:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.178	4.176	(0.813)	21127	3.33431	0.6669
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.557	6.555	(0.839)	32614	1.16231	0.2325
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1198.D
Report Date: 03-Sep-2004 17:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1198.D

Date : 03-SEP-2004 03:59

Client ID: WRPZ20/090104

Sample Info: GPGDP1AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

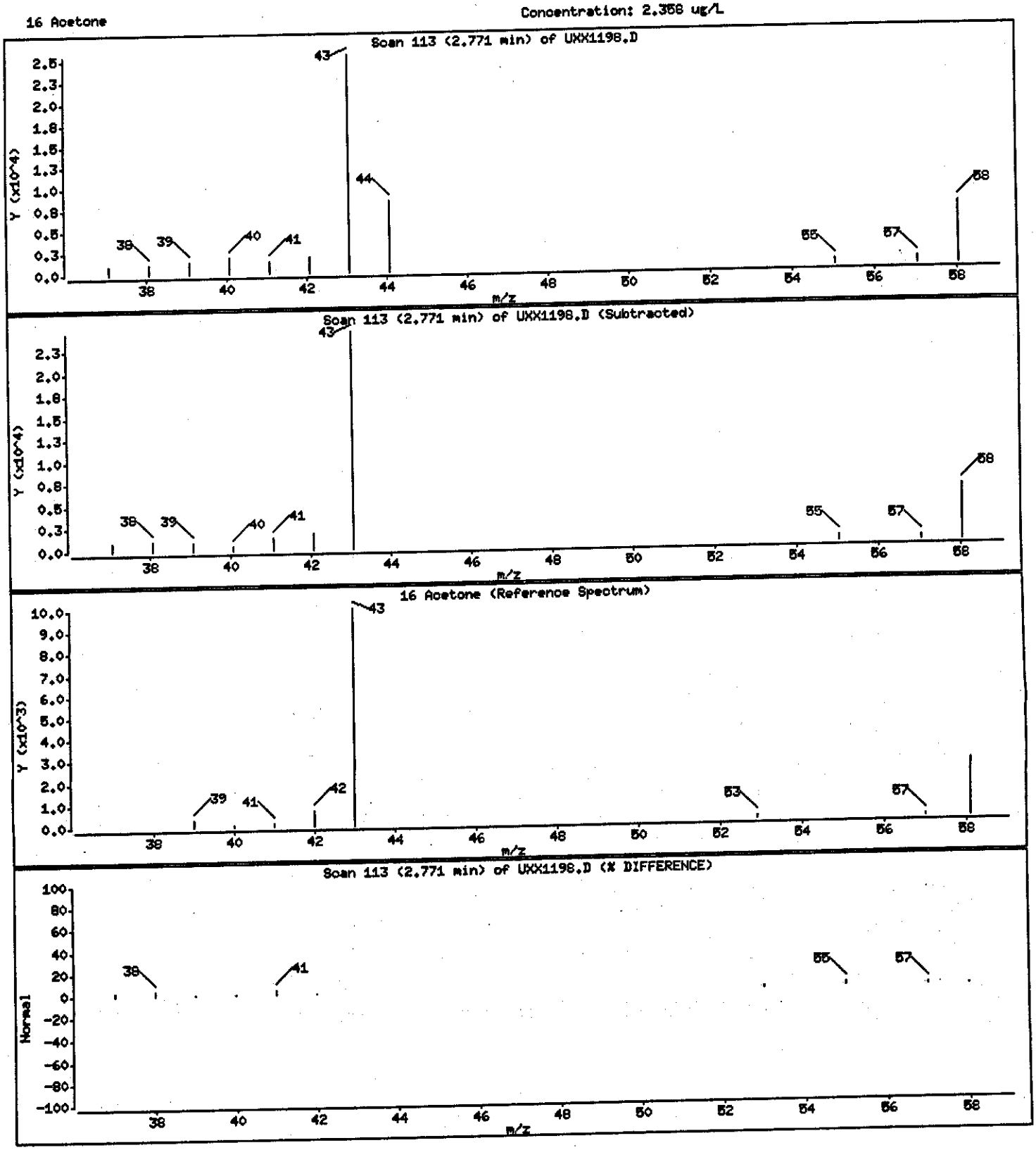
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 2.358 ug/L

16 Acetone



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Date : 03-SEP-2004 03:59

Client ID: WRPZ20/090104

Instrument: a3ux10.i

Sample Info: GPGDP1AA,5ML/5ML

Purge Volume: 5.0

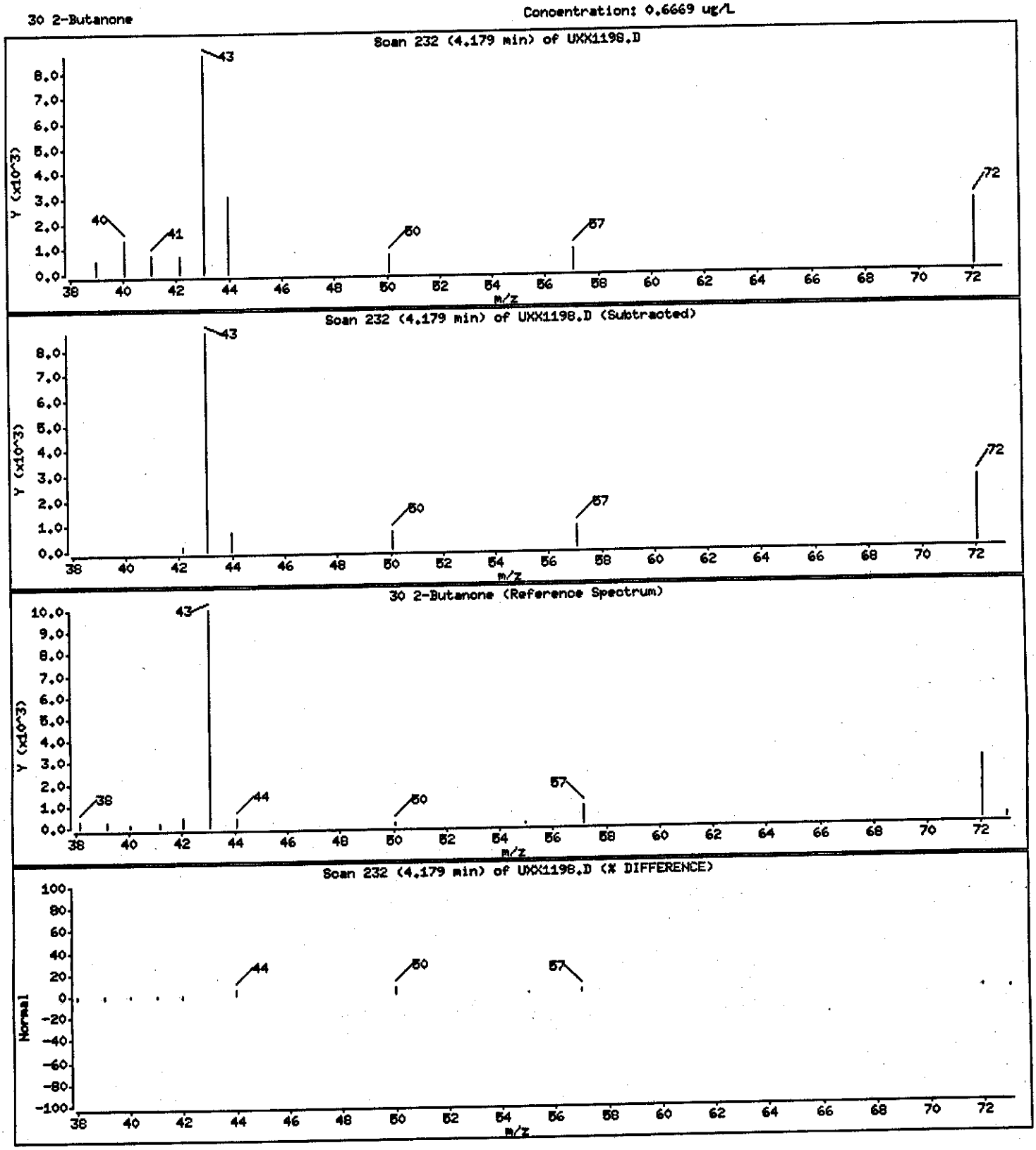
Operator: 1904

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 0.6669 ug/L



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Date : 03-SEP-2004 03:59

Client ID: WRPZ20/090104

Sample Info: GPCDP1AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

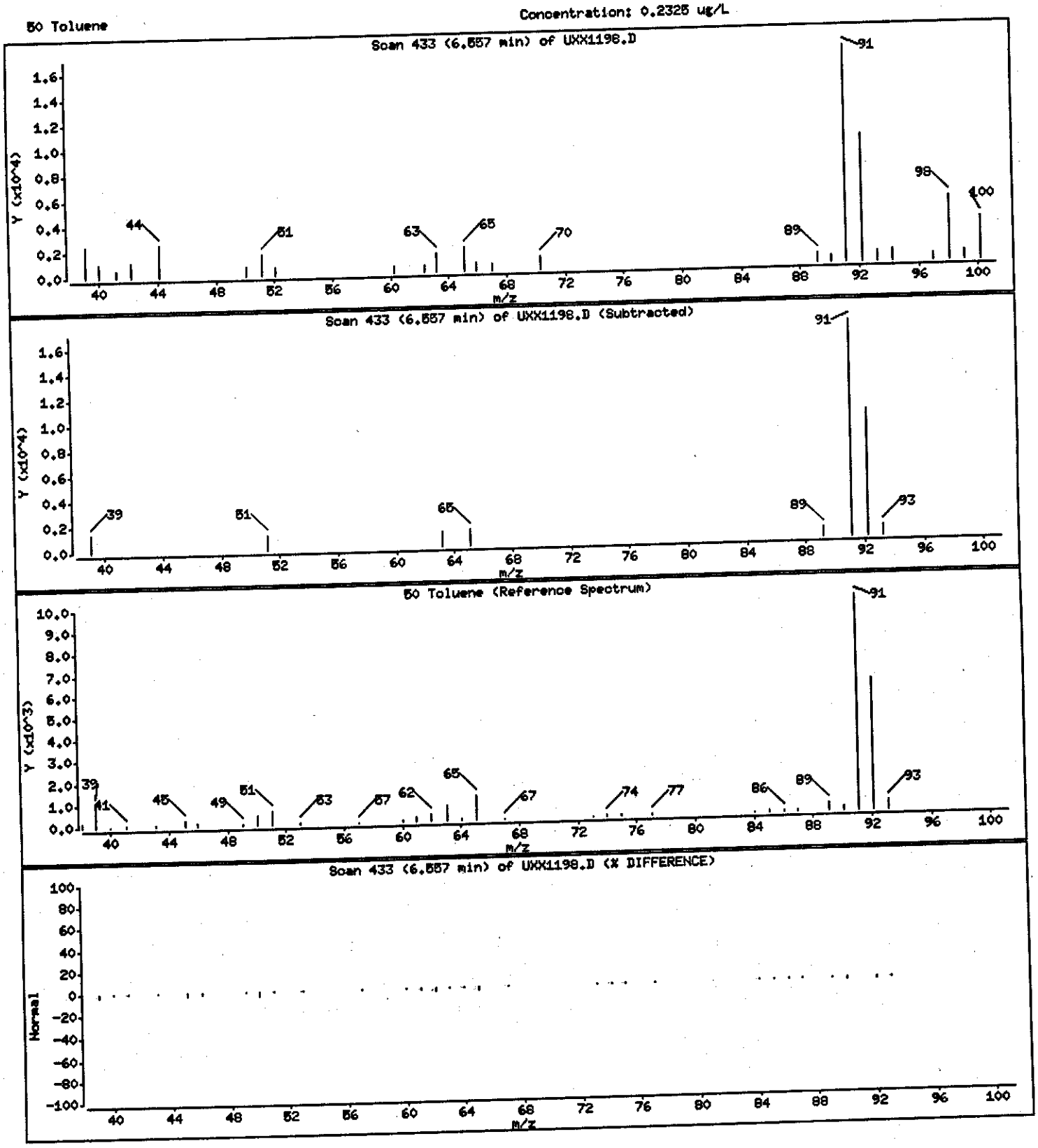
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.2325 ug/L

50 Toluene



PAYNE FIRM INC.

Client Sample ID: OUTFALL-WR/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-008 **Work Order #...:** GPGDR1AA **Matrix.....:** WG
Date Sampled...: 09/01/04 14:30 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 28.57 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**410**	**290**	**ug/L**
Acetonitrile	ND	570	ug/L
Acrolein	ND	570	ug/L
Acrylonitrile	ND	570	ug/L
Benzene	**170**	**29**	**ug/L**
Bromodichloromethane	ND	29	ug/L
Bromoform	ND	29	ug/L
Bromomethane	ND	29	ug/L
2-Butanone	ND	290	ug/L
Carbon disulfide	ND	29	ug/L
Carbon tetrachloride	ND	29	ug/L
Chlorobenzene	**45**	**29**	**ug/L**
Chloroprene	ND	57	ug/L
Dibromochloromethane	ND	29	ug/L
Chloroethane	ND	29	ug/L
Chloroform	**54**	**29**	**ug/L**
Chloromethane	ND	29	ug/L
3-Chloropropene	ND	57	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	57	ug/L
1,2-Dibromoethane	ND	29	ug/L
Dibromomethane	ND	29	ug/L
trans-1,4-Dichloro-2-butene	ND	29	ug/L
1,1-Dichloroethane	**8.6 J**	**29**	**ug/L**
1,2-Dichloroethane	ND	29	ug/L
cis-1,2-Dichloroethene	**760**	**29**	**ug/L**
trans-1,2-Dichloroethene	**4.9 J**	**29**	**ug/L**
1,1-Dichloroethene	ND	29	ug/L
1,2-Dichloroethene (total)	**760**	**57**	**ug/L**
Dichlorofluoromethane	ND	57	ug/L
1,2-Dichloropropane	ND	29	ug/L
cis-1,3-Dichloropropene	ND	29	ug/L
trans-1,3-Dichloropropene	ND	29	ug/L
1,4-Dioxane	**1500**	**1400**	**ug/L**
Ethylbenzene	**160**	**29**	**ug/L**
Ethyl methacrylate	ND	29	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: OUTFALL-WR/090104

GC/MS Volatiles

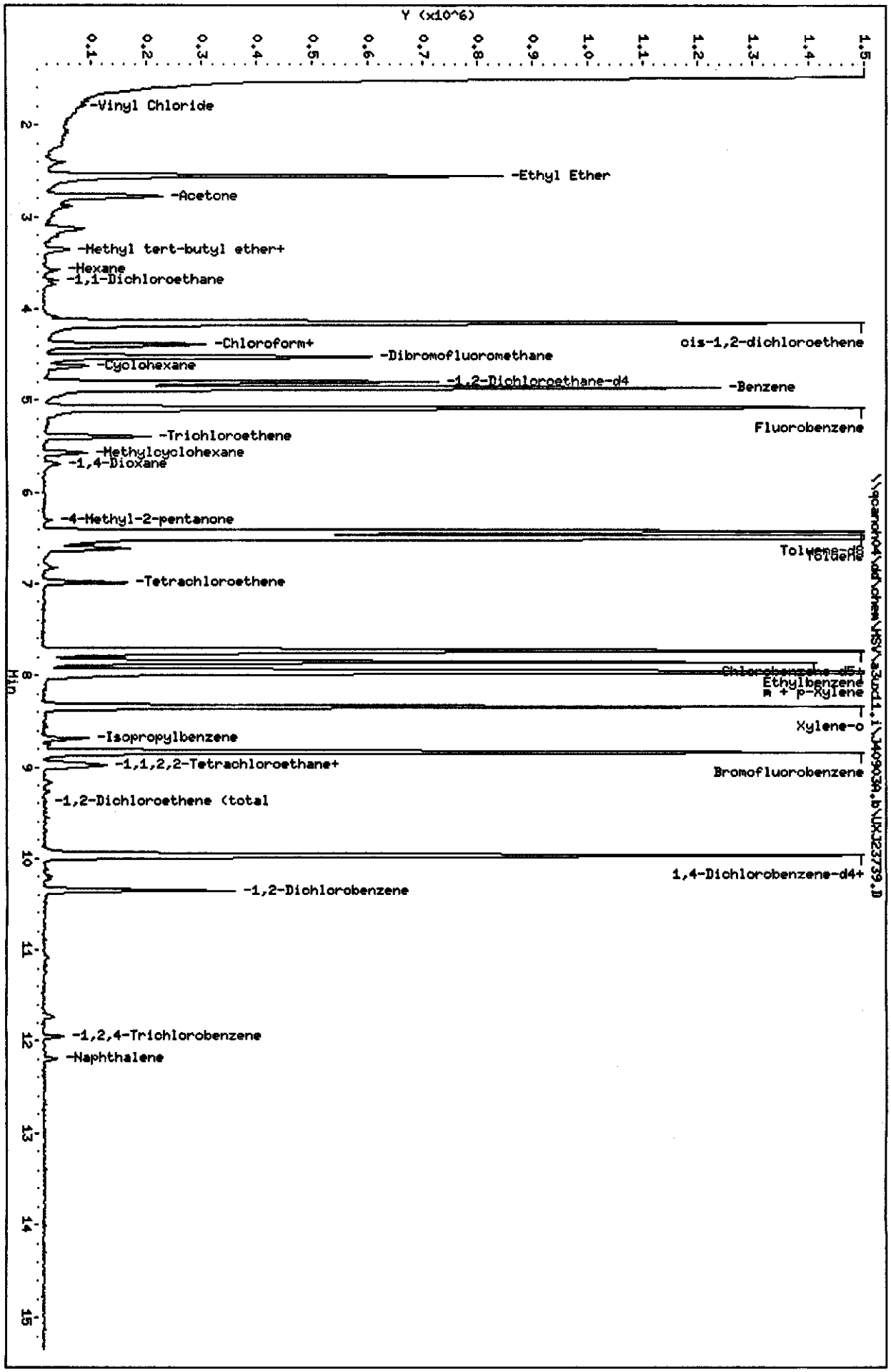
Lot-Sample #...: A4I020164-008 **Work Order #...:** GPGDR1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	290	ug/L
Iodomethane	ND	29	ug/L
Isobutanol	ND	1400	ug/L
Methacrylonitrile	ND	57	ug/L
Methylene chloride	ND	29	ug/L
Methyl methacrylate	ND	57	ug/L
4-Methyl-2-pentanone	ND	290	ug/L
Propionitrile	ND	110	ug/L
Styrene	ND	29	ug/L
1,1,1,2-Tetrachloroethane	ND	29	ug/L
1,1,2,2-Tetrachloroethane	**30**	**29**	**ug/L**
Tetrachloroethene	**39**	**29**	**ug/L**
Toluene	**700**	**29**	**ug/L**
1,1,1-Trichloroethane	ND	29	ug/L
1,1,2-Trichloroethane	ND	29	ug/L
Trichloroethene	**48**	**29**	**ug/L**
Trichlorofluoromethane	ND	29	ug/L
1,2,3-Trichloropropane	ND	29	ug/L
Vinyl acetate	ND	57	ug/L
Vinyl chloride	**21 J**	**29**	**ug/L**
Xylenes (total)	**900**	**57**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 03-SEP-2004 12:30
Client ID: OUTFALL-NR/090104
Sample Info: GPCDR1AA,0.175ML/5ML
Purge Volume: 0.2
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-Acetone
-Methyl tert-butyl ether+
-Hexane
-1,1-Dichloroethane
-Chloroform+
cis-1,2-dichloroethene
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
-Benzene
Fluorobenzene
-Trichloroethene
-Methylcyclohexane
-1,4-Dioxane
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-Tetrachloroethene
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o
-Isopropylbenzene
-1,1,2,2-Tetrachloroethane+
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2,4-Trichlorobenzene
-Naphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23739.D
Report Date: 07-Sep-2004 09:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23739.D
Lab Smp Id: GPGDR1AA Client Smp ID: OUTFALL-WR/090104
Inj Date : 03-SEP-2004 12:30
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDR1AA,0.175ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.175	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1692126	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1259893	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	614169	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	425586	53.4430	305.39
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	574005	54.4272	311.01
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1450322	48.0478	274.56
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	614264	48.0176	274.39
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.799	1.787	(0.354)	25938	3.64073	20.804
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.781	2.769	(0.547)	341771	71.1603	406.63
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23739.D
Report Date: 07-Sep-2004 09:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	16756	0.85470	4.884
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.661)	7406	0.85335	4.876
	26 Hexane	86	3.574	3.574	(0.702)	2622	1.78810	10.218
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	23290	1.50545	8.602
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1211284	133.406	762.32
	32 cis-1,2-dichloroethene	96	4.154	4.142	(0.816)	1203878	132.553	757.44
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	147320	9.51059	54.346
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	116876	42.1629	240.93
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.864	4.863	(0.956)	1162105	30.5113	174.35
	42 Trichloroethene	130	5.396	5.396	(1.060)	71188	8.42426	48.139
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.692	5.680	(1.119)	27822	257.150	1469.4(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	11227	1.28495	7.342
	50 Toluene	91	6.485	6.484	(0.838)	4385496	123.200	704.00
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	42004	6.85751	39.186
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.763	7.762	(1.003)	195117	7.91074	45.204
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	317142	27.7476	158.56
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1796350	120.226	687.01
M	63 Xylenes (total)	106				2329939	157.394	899.40
	64 Xylene-o	106	8.342	8.342	(1.078)	533589	37.1680	212.39
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23739.D
Report Date: 07-Sep-2004 09:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	8.686	8.685	(1.122)	59730	4.27490	24.428
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	54377	5.24317	29.961
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	8.993	8.993	(0.903)	34750	3.89229	22.242
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	12601	2.95556	16.889
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	89115	4.99146	28.523
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	167735	10.3383	59.076
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	14804	2.43619	13.921
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.188	12.200	(1.223)	22507	3.29522	18.830
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	565665	67.7960	387.40
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	40056	8.65052	49.432
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	23971	7.40031	42.287
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23739.D

Date : 03-SEP-2004 12:30

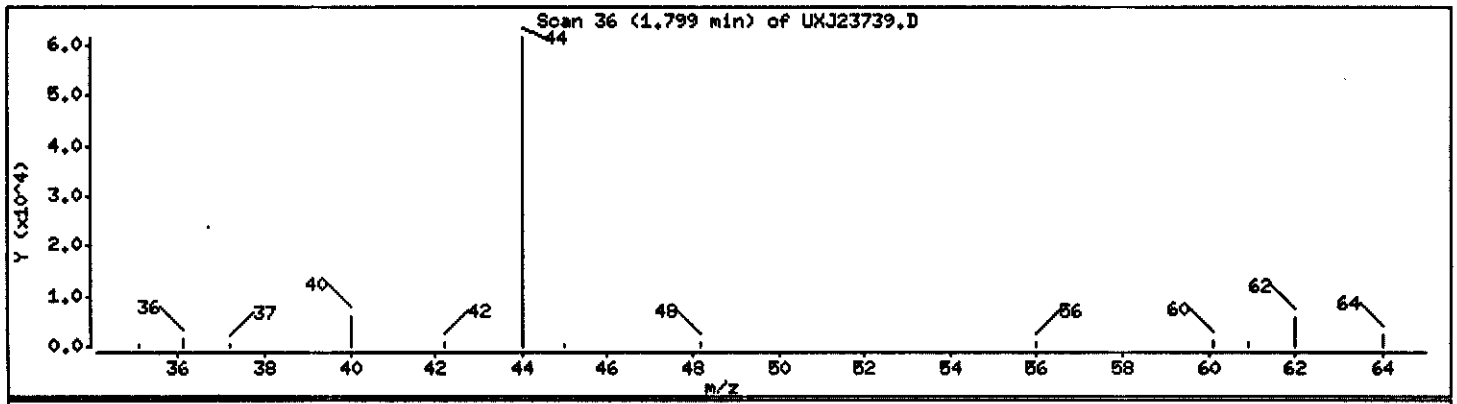
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

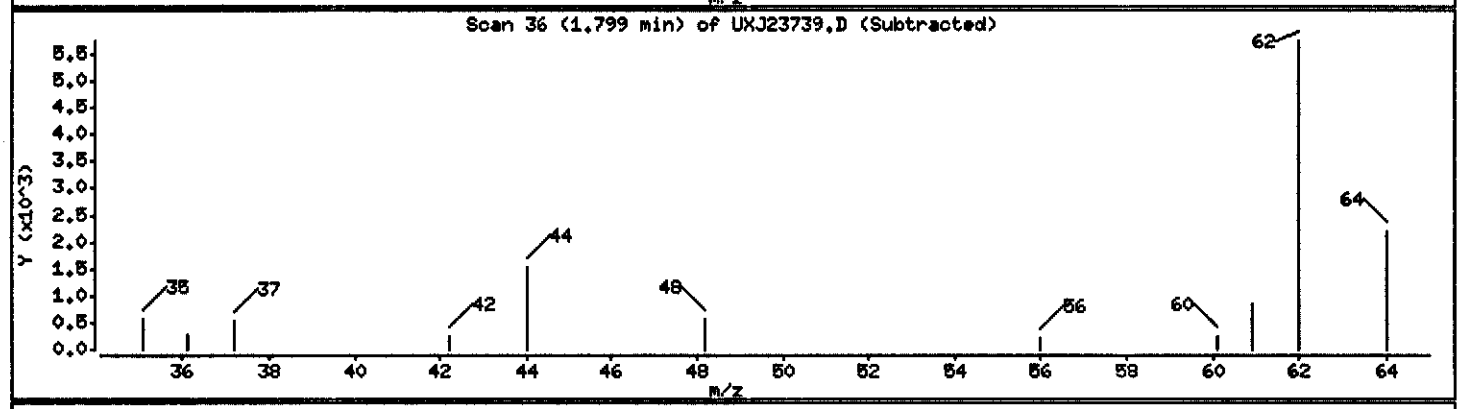
Sample Info: GPCDR1AA,0.175ML/5ML

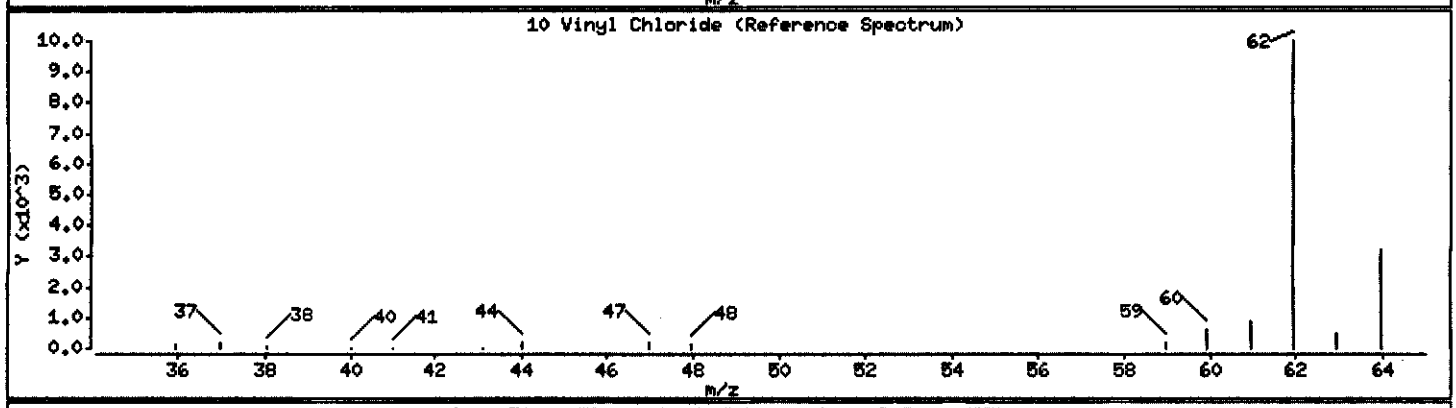
Purge Volume: 0.2 Operator: 43582

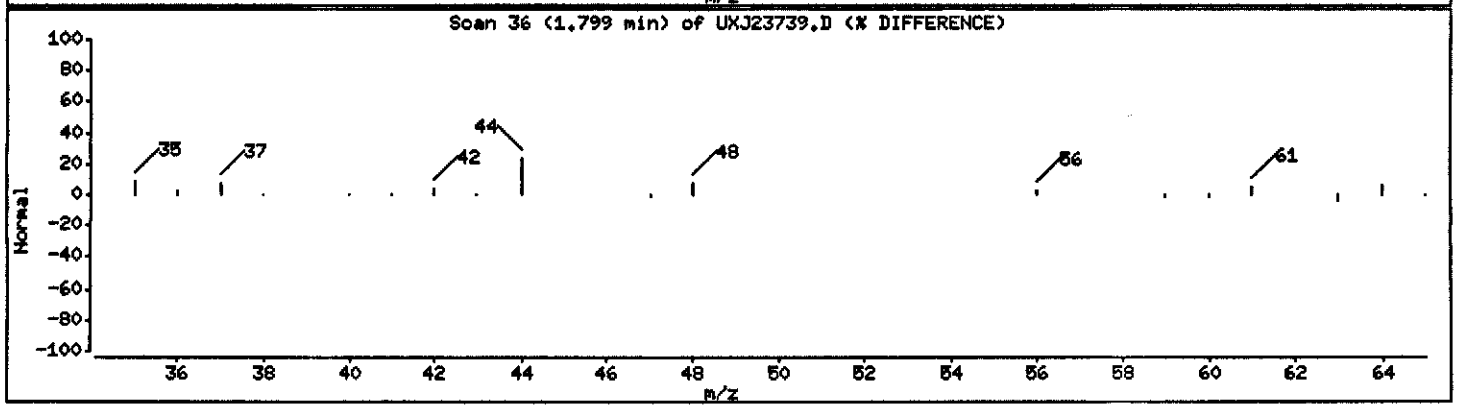
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 20.804 ug/L









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Date : 03-SEP-2004 12:30

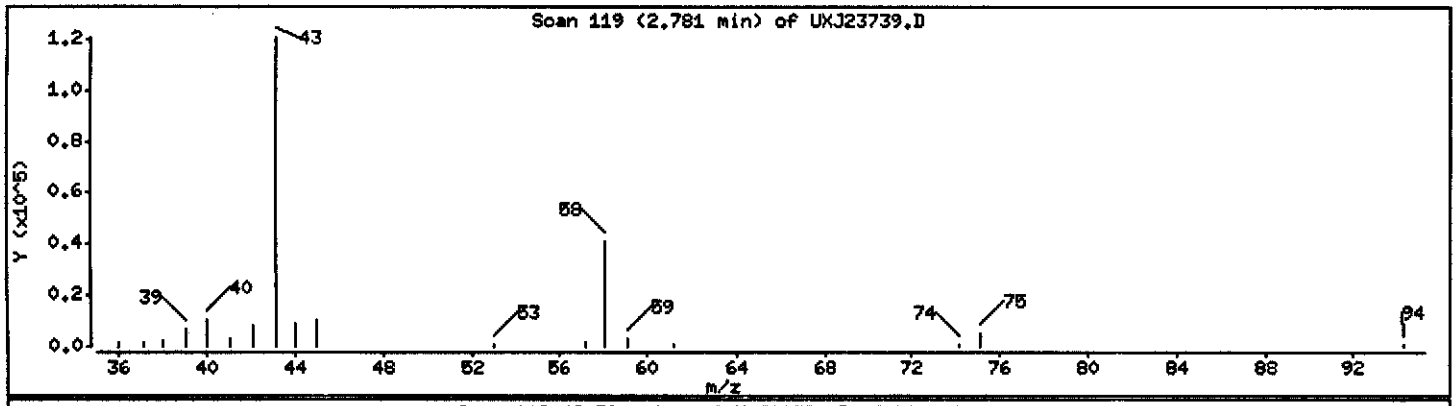
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

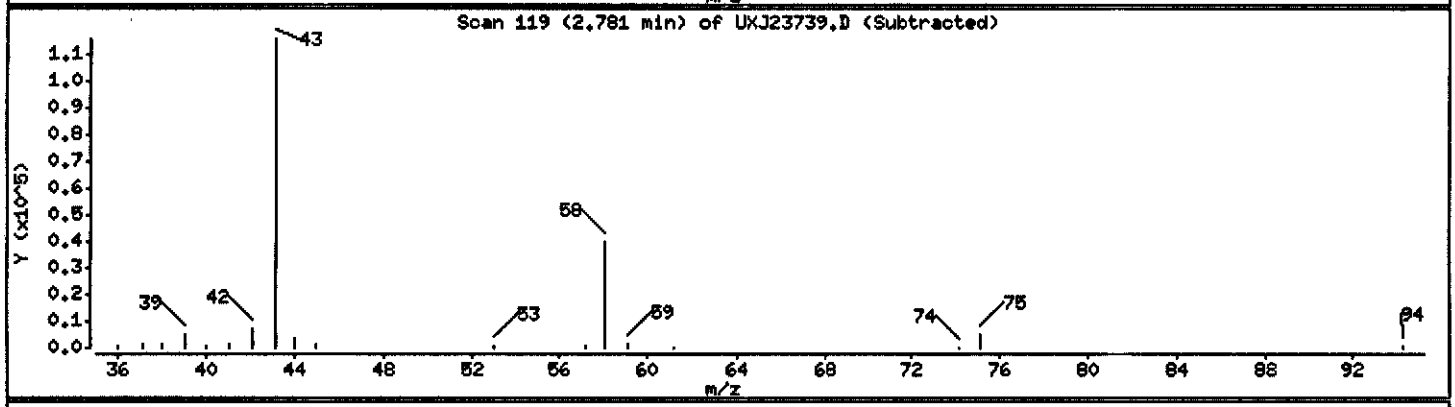
Sample Info: GPCDR1AA,0.175ML/5ML

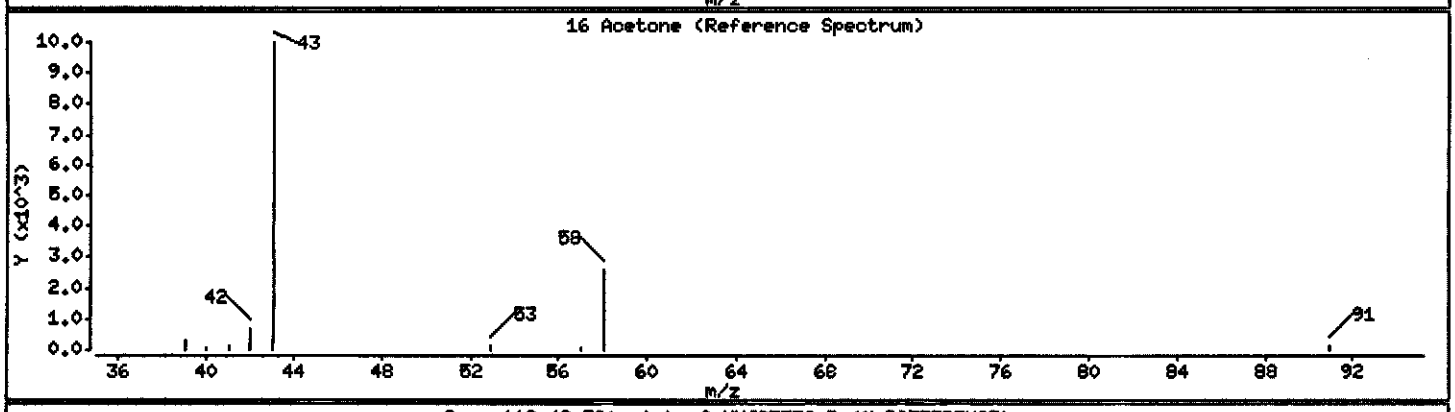
Purge Volume: 0.2 Operator: 43582

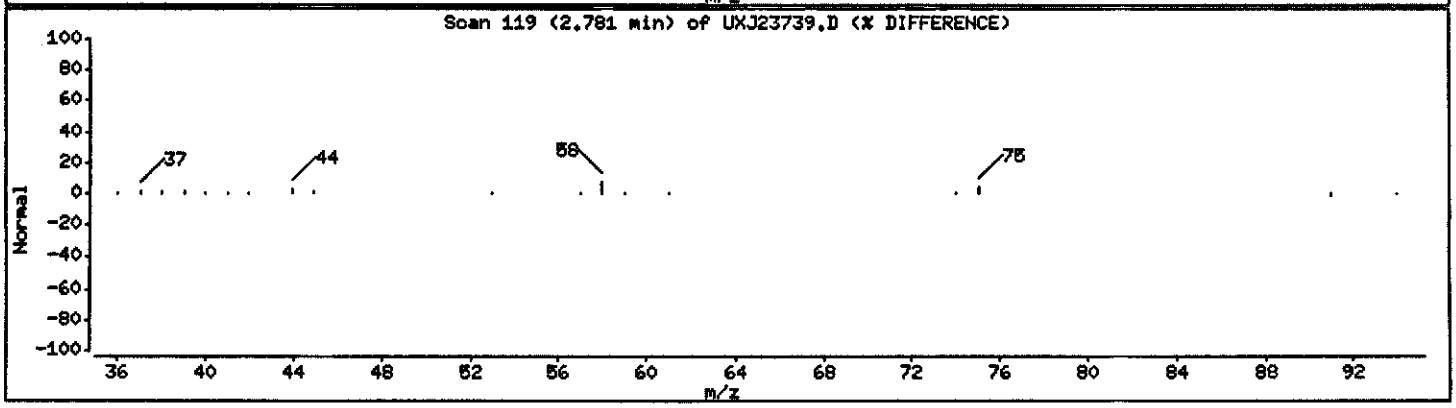
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 406.63 ug/L









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Date : 03-SEP-2004 12:30

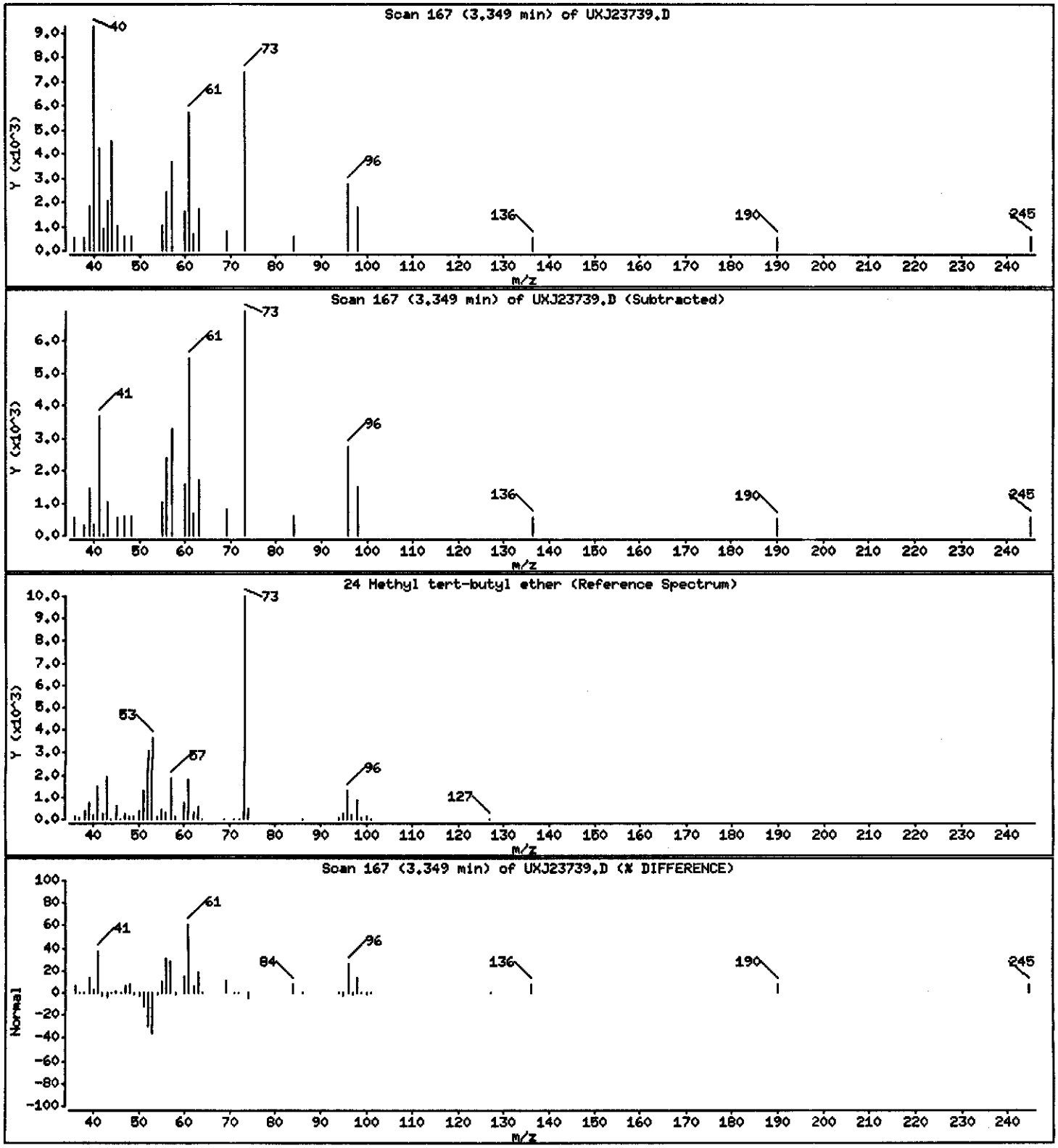
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 4.984 ug/L



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Date : 03-SEP-2004 12:30

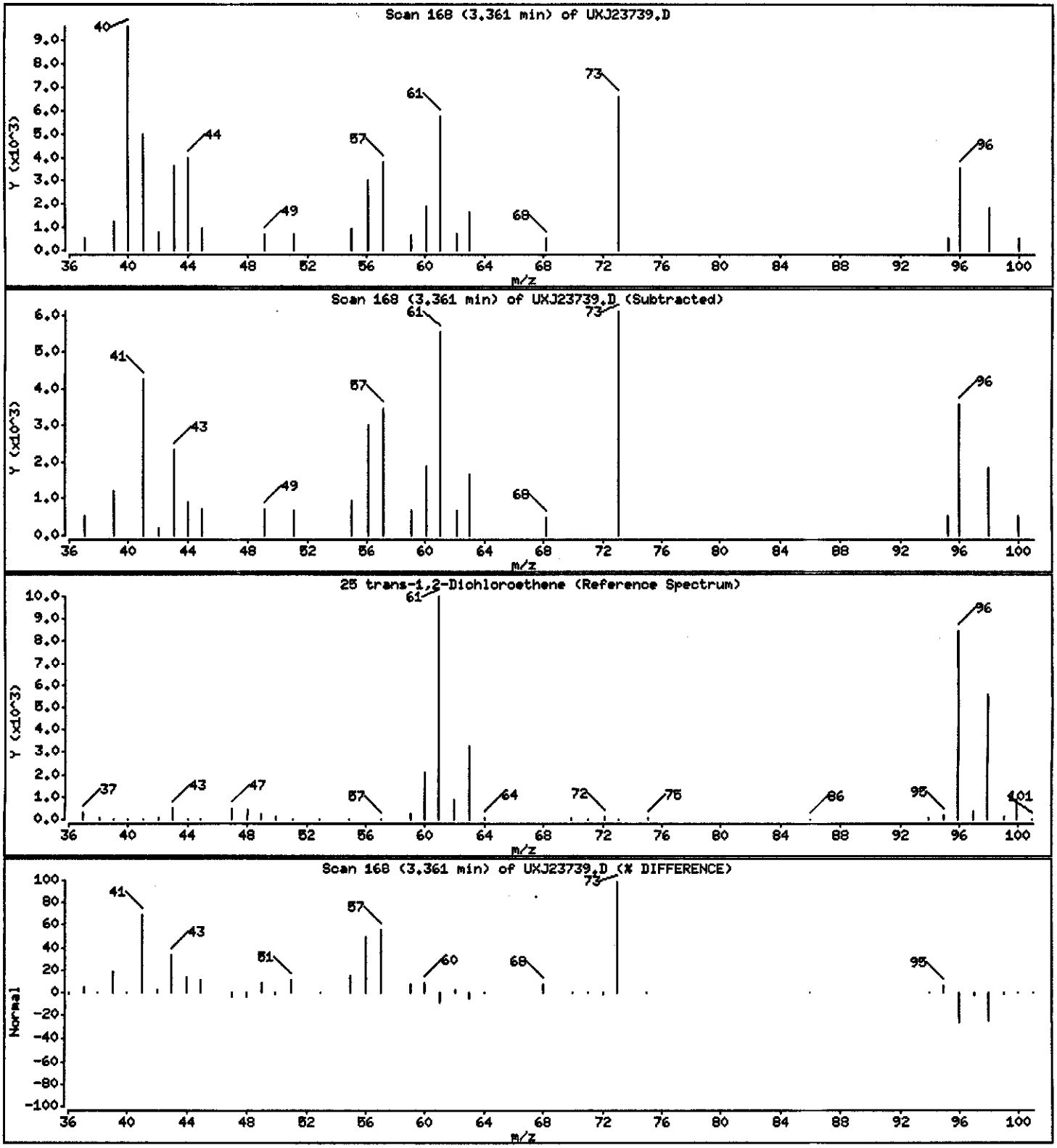
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 4.876 ug/L



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Date : 03-SEP-2004 12:30

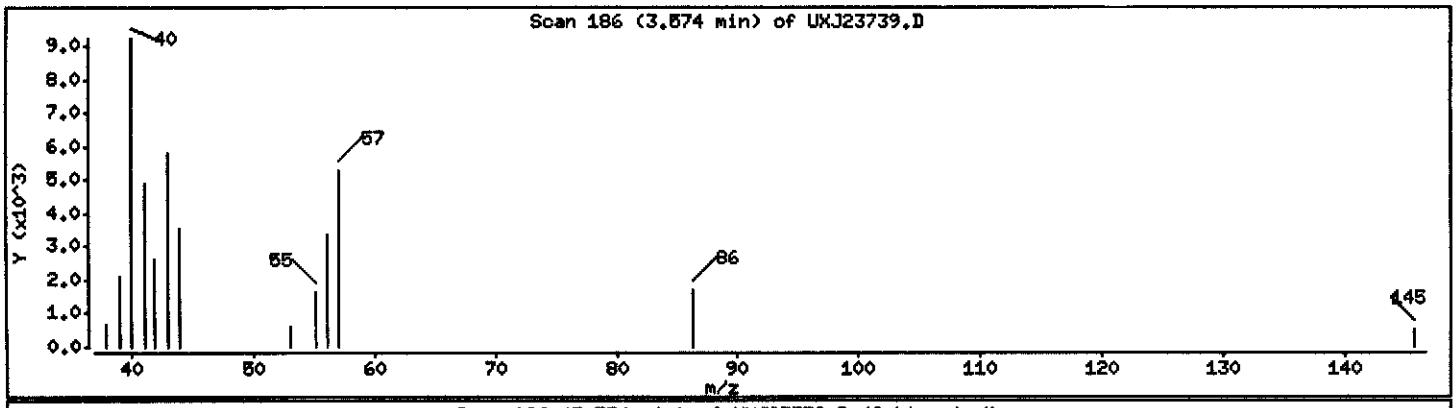
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

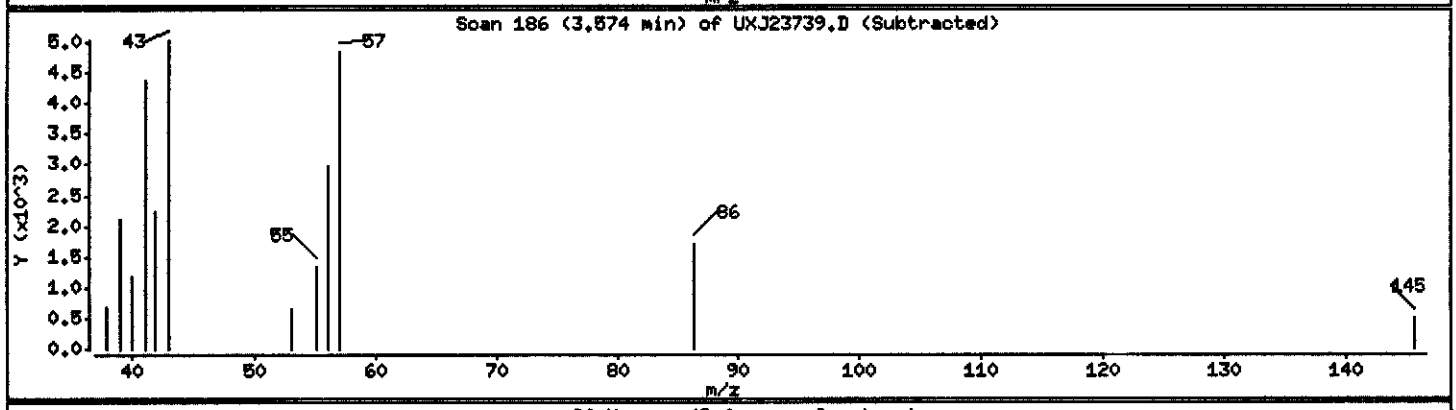
Sample Info: GPCDR1AA,0.175ML/5ML

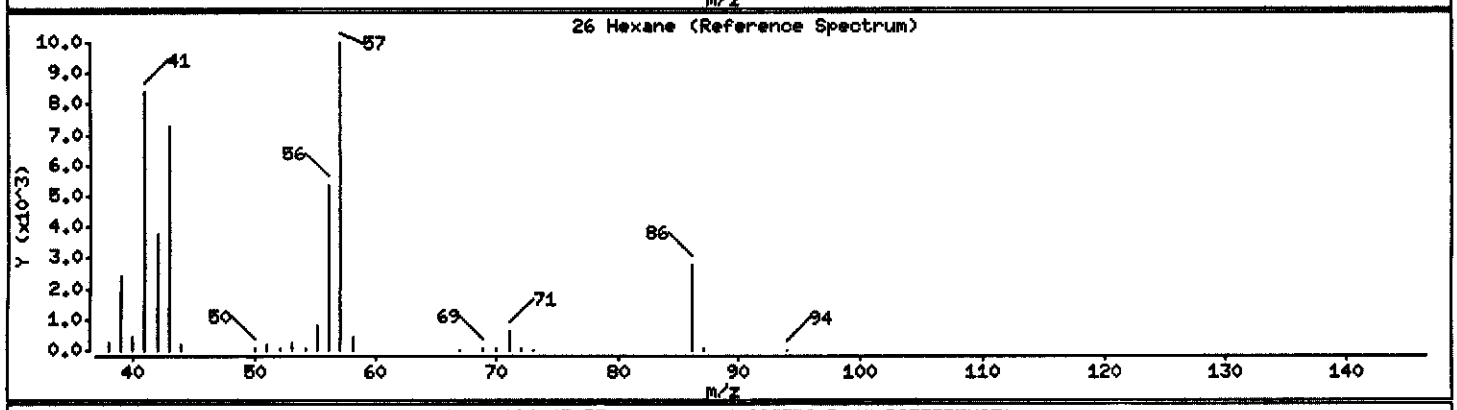
Purge Volume: 0.2 Operator: 43582

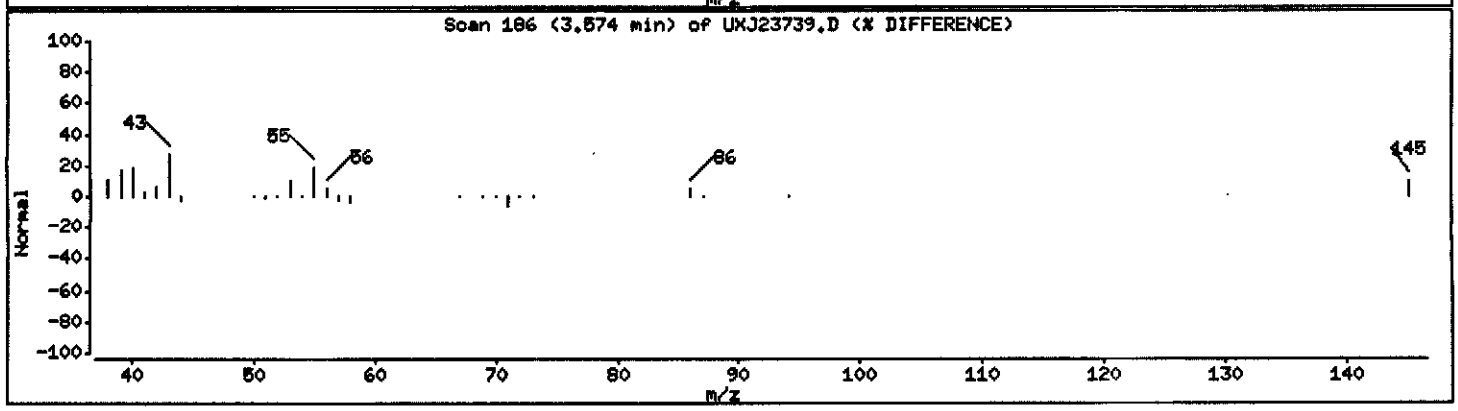
Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 10.218 ug/L









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Date : 03-SEP-2004 12:30

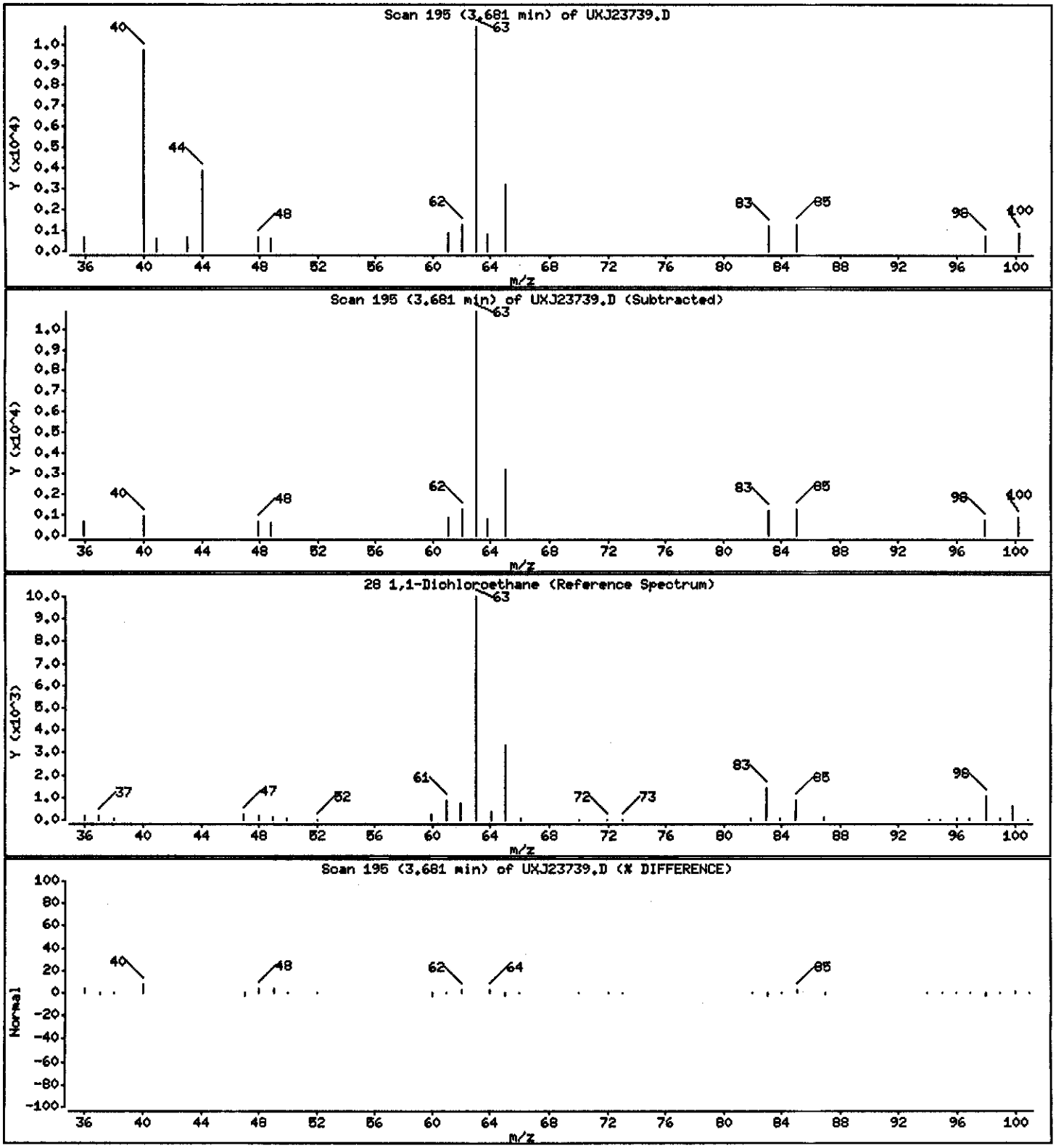
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 8.602 ug/L



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Date : 03-SEP-2004 12:30

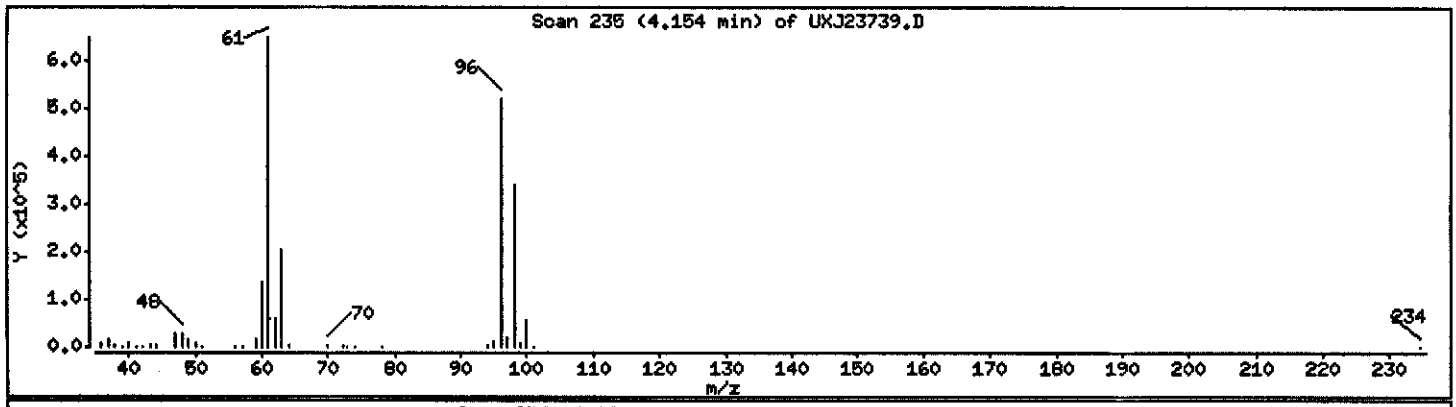
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

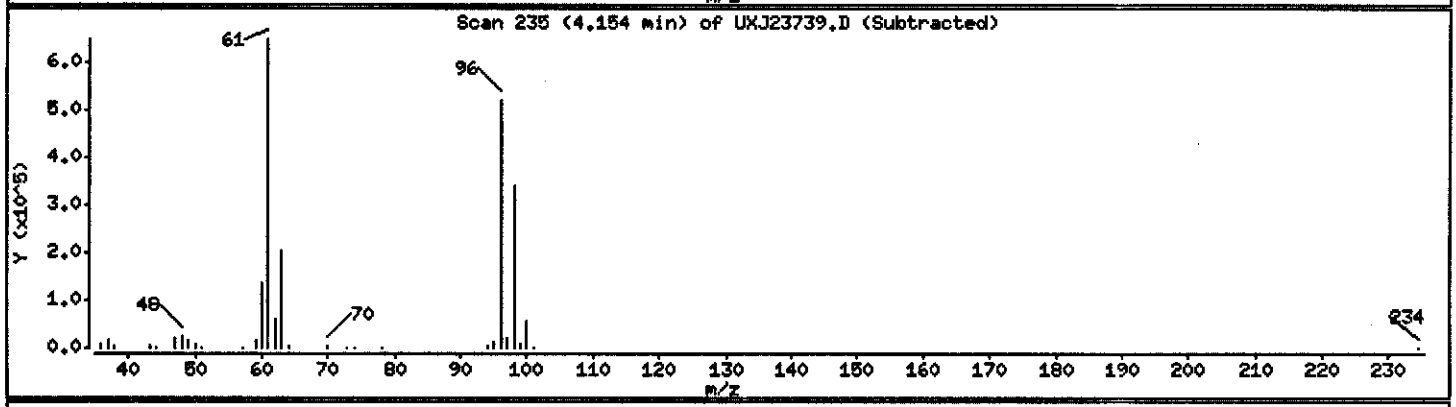
Sample Info: GPGDR1AA,0.175ML/5ML

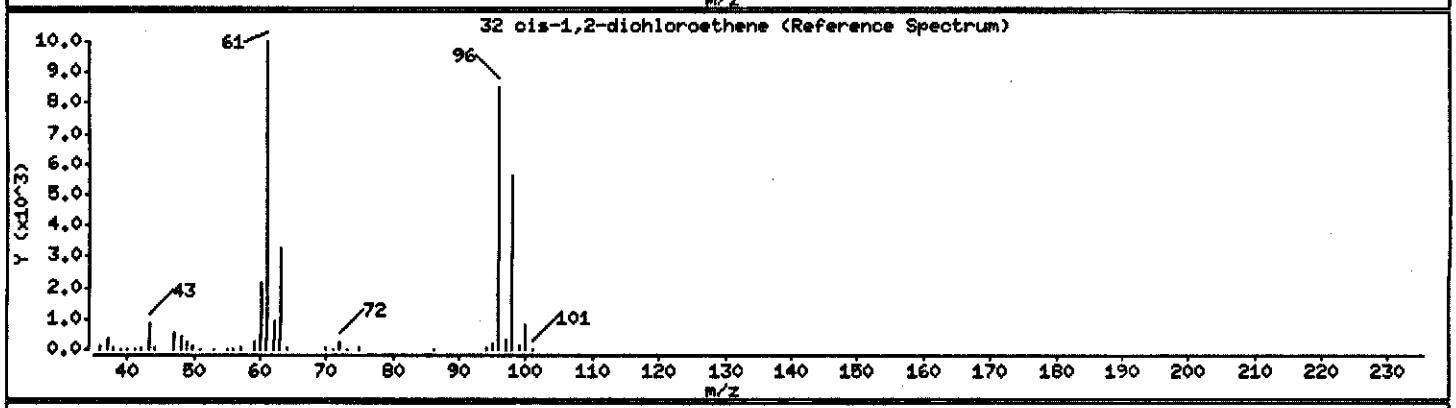
Purge Volume: 0.2 Operator: 43582

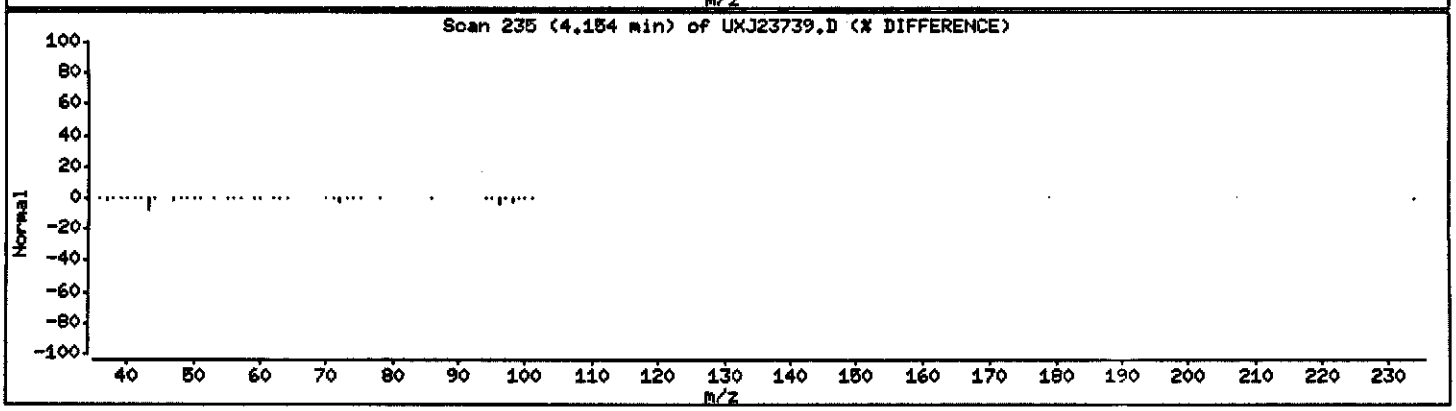
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 757.44 ug/L









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Date : 03-SEP-2004 12:30

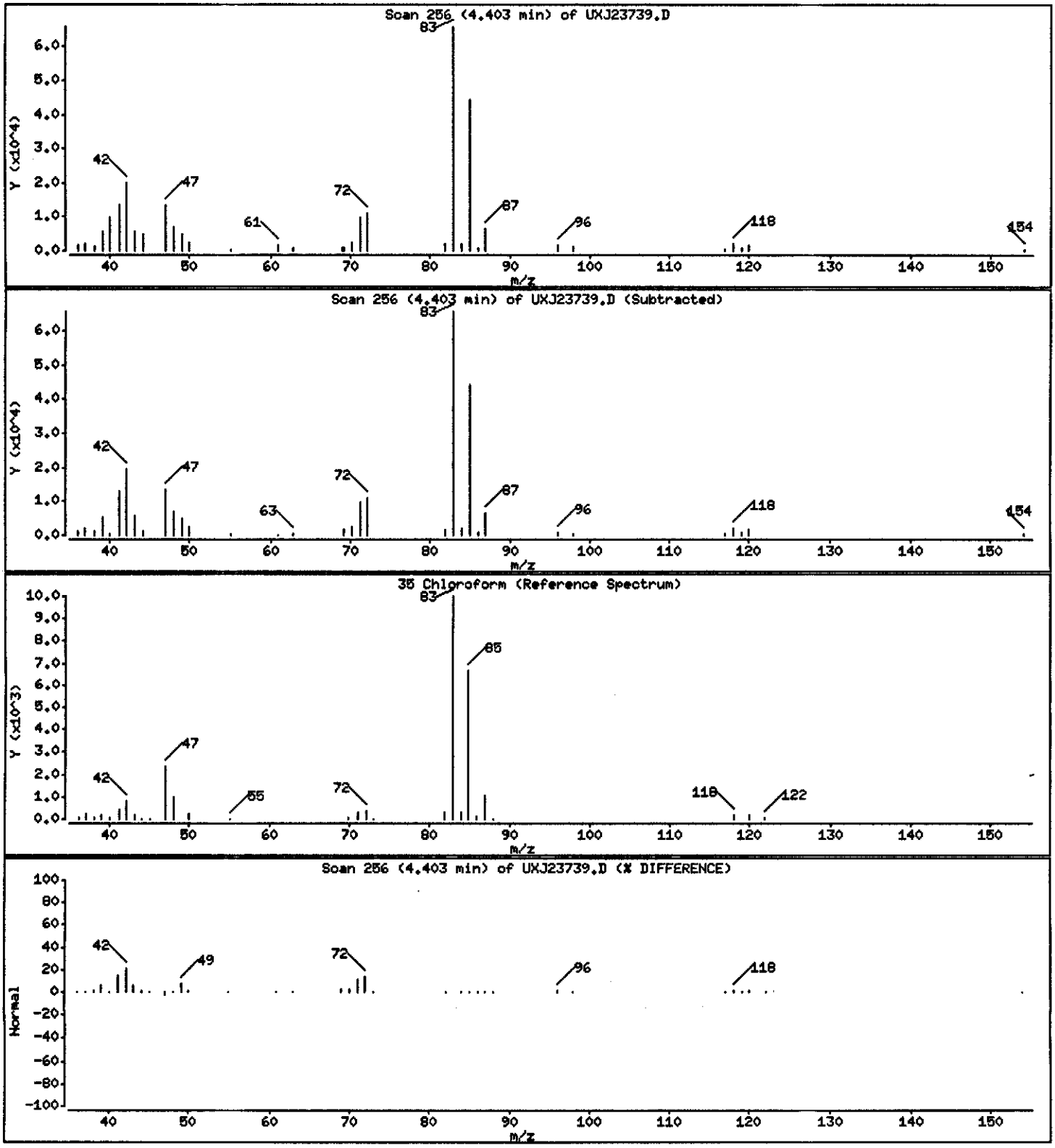
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.170ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 54.346 ug/L



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Date : 03-SEP-2004 12:30

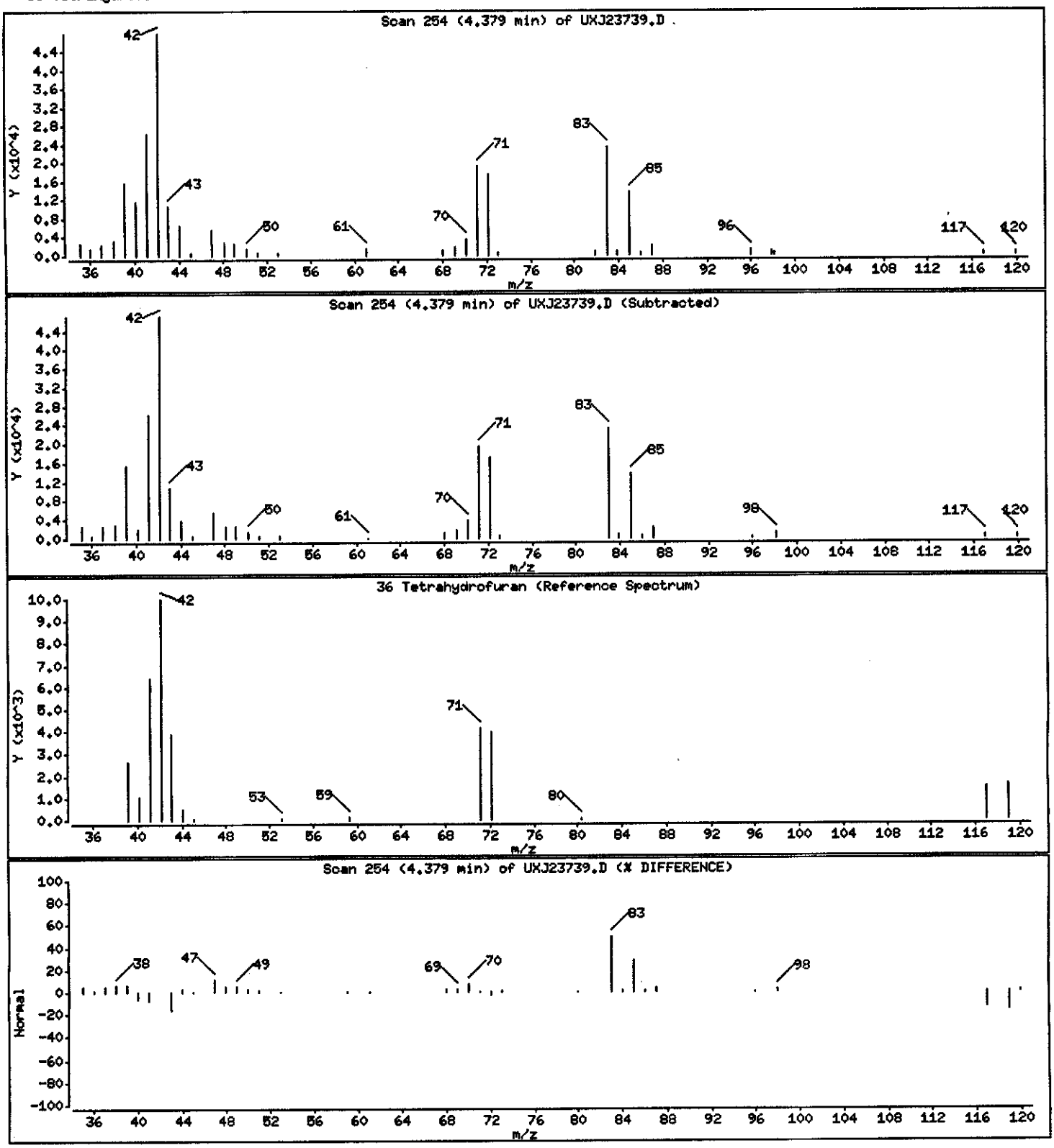
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 240.93 ug/L



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Date : 03-SEP-2004 12:30

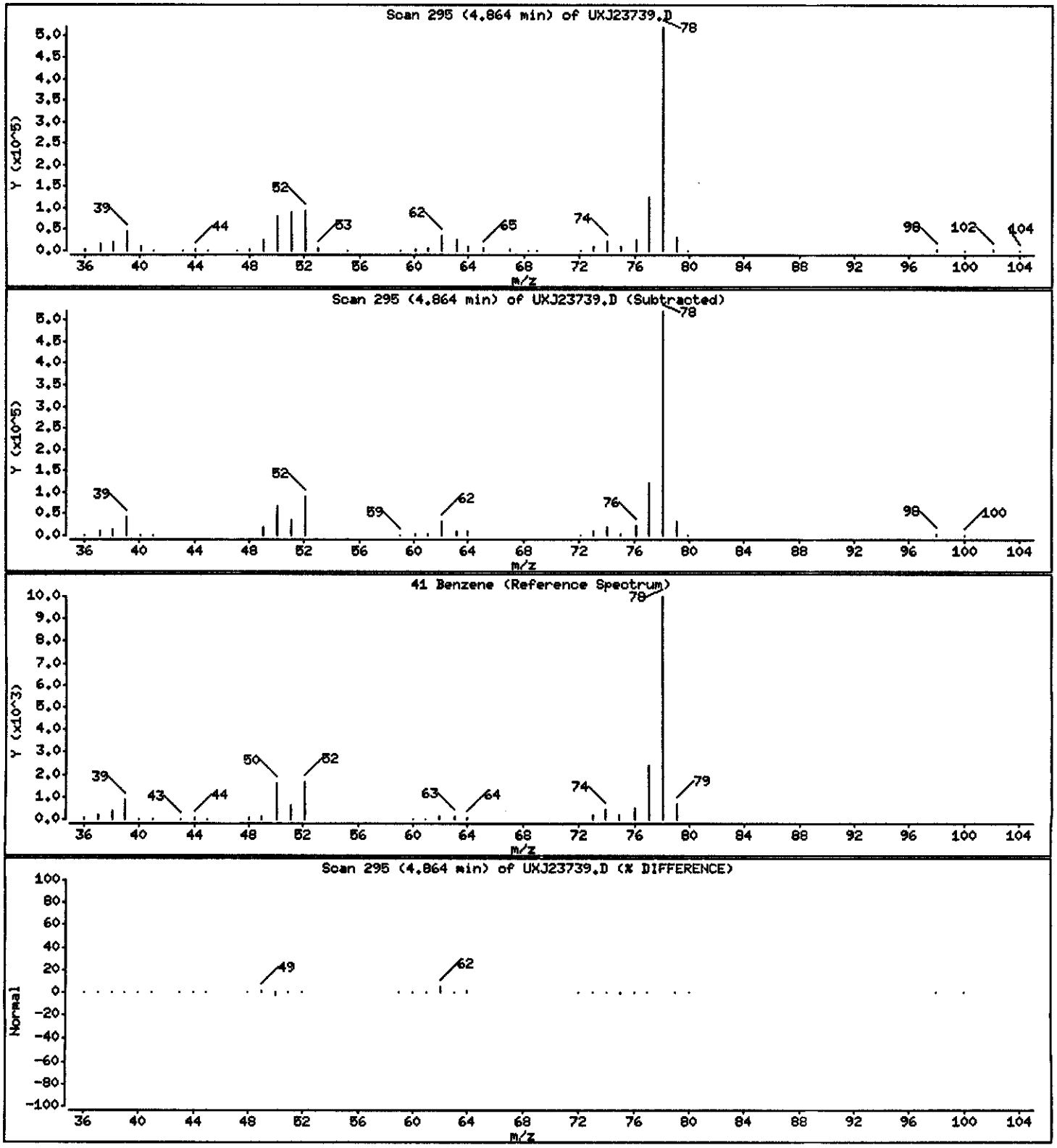
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: CPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 174.35 ug/L



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Date : 03-SEP-2004 12:30

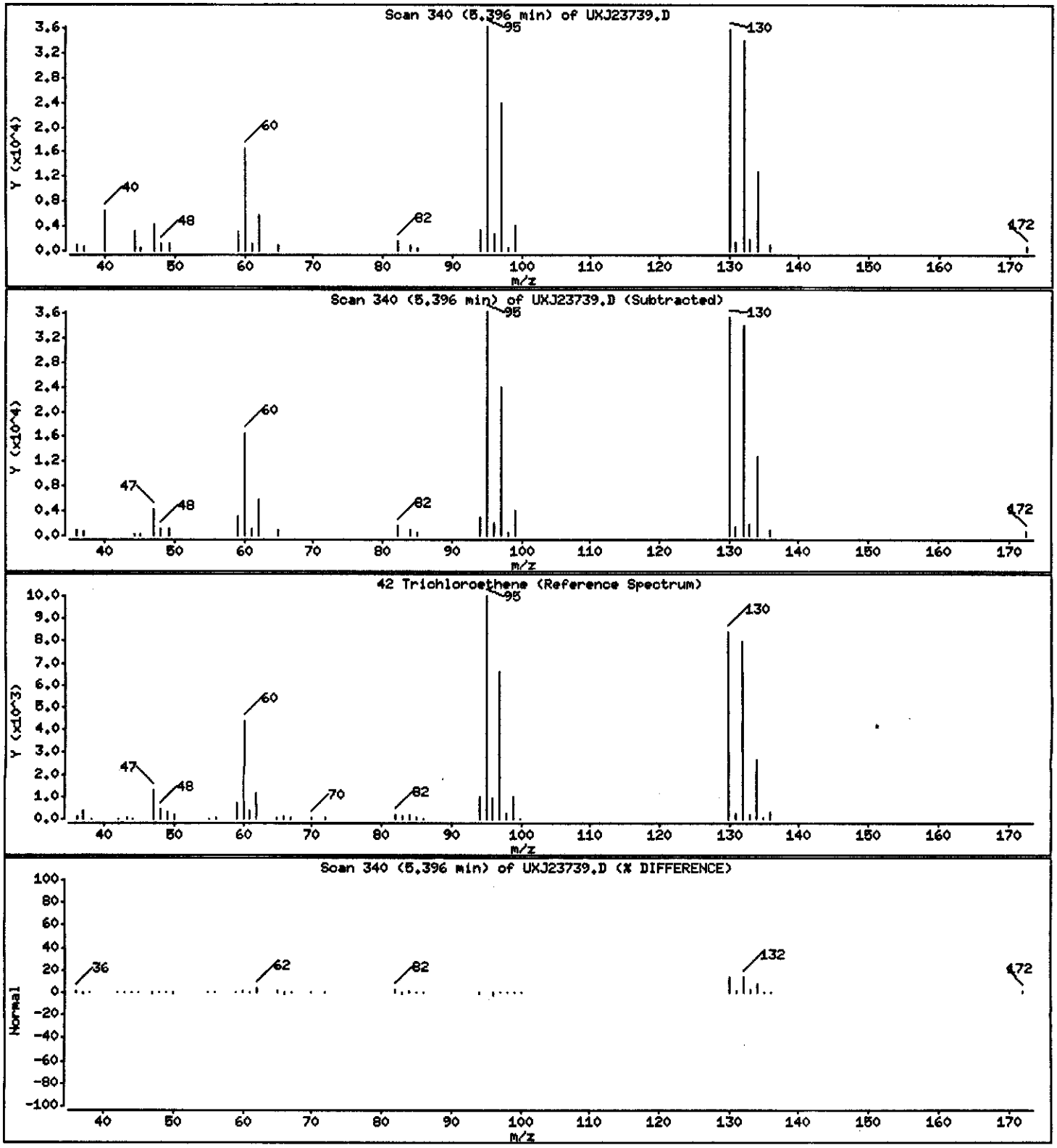
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 48.139 ug/L



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Date : 03-SEP-2004 12:30

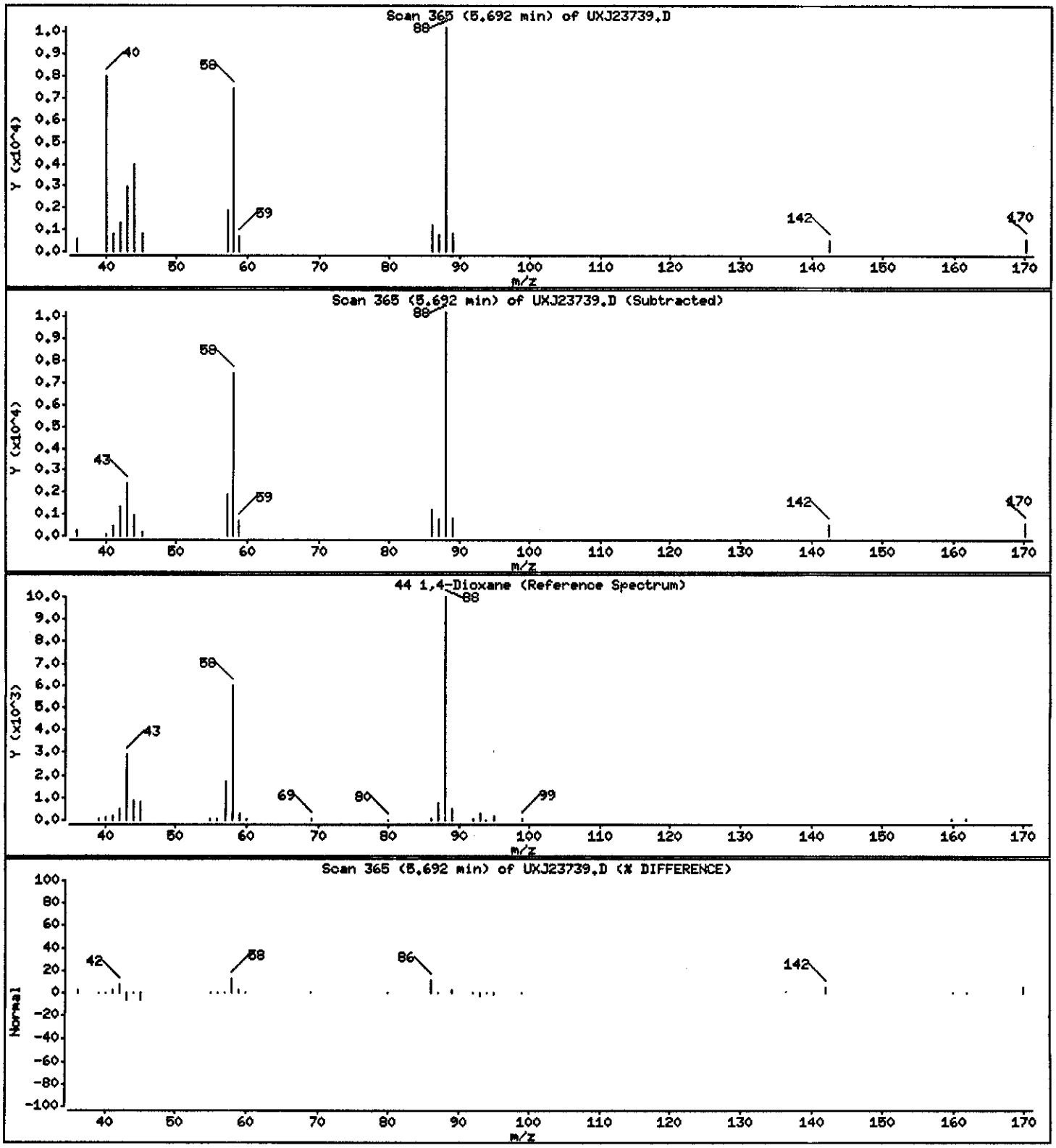
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 1469.4 ug/L



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Date : 03-SEP-2004 12:30

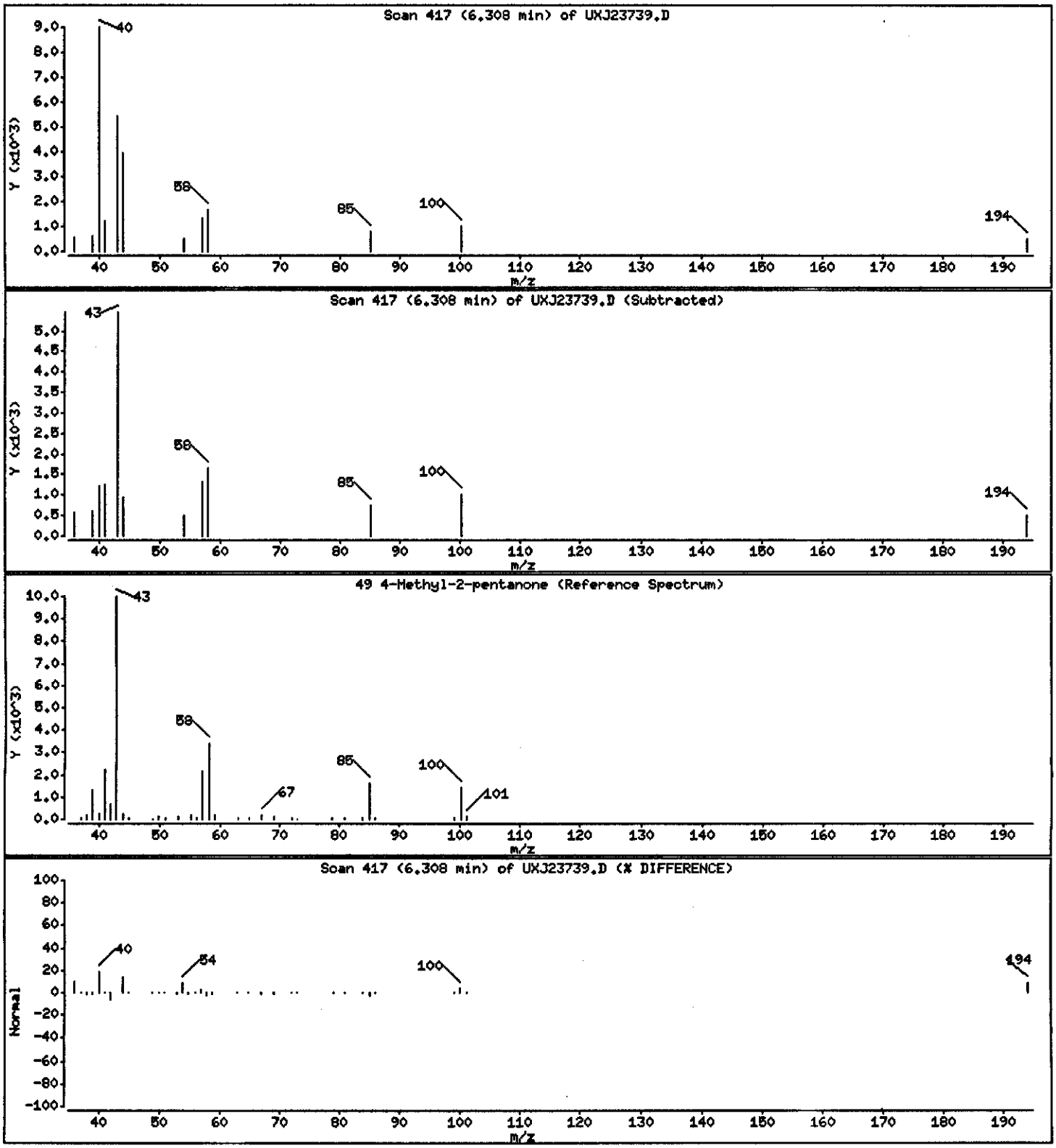
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

49 4-Methyl-2-pentanone Concentration: 7.342 ug/L



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Date : 03-SEP-2004 12:30

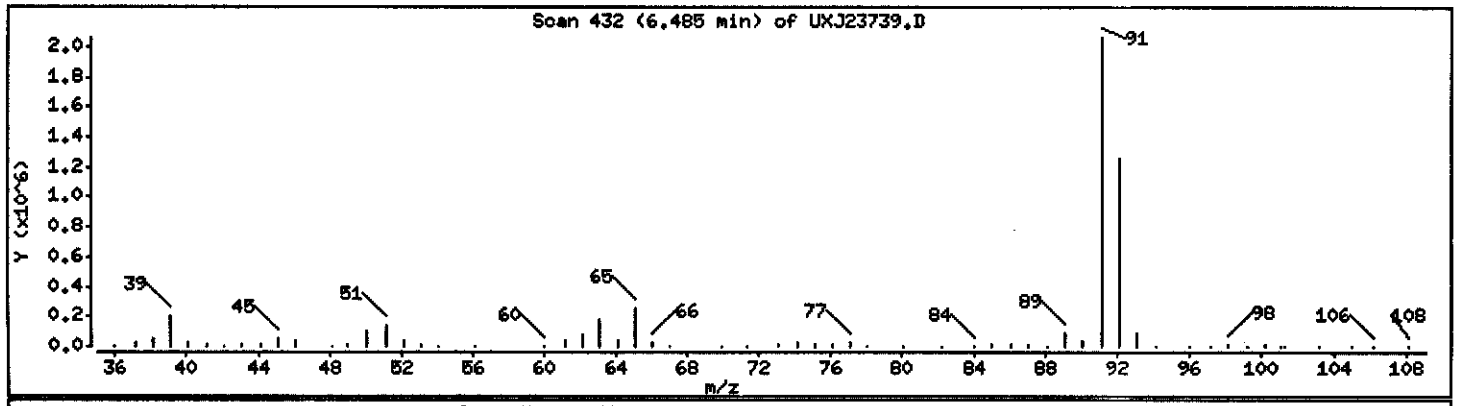
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

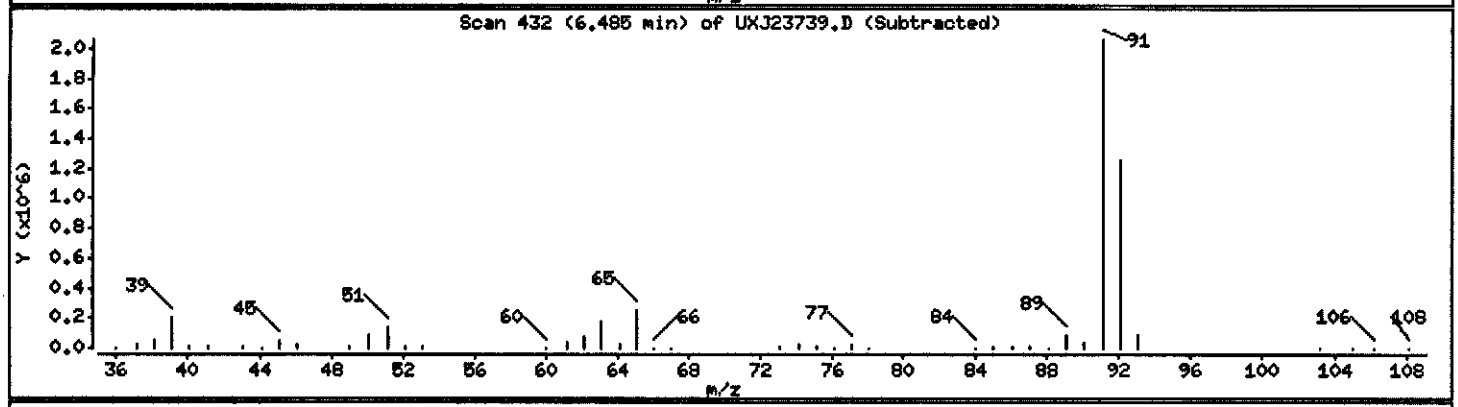
Sample Info: GPCDR1AA,0.175ML/5ML

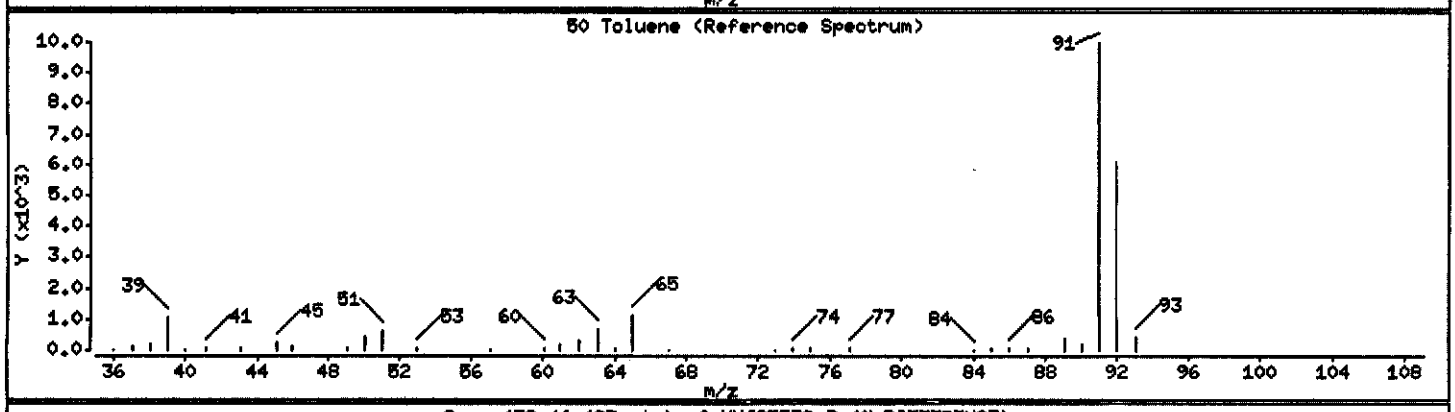
Purge Volume: 0.2 Operator: 43582

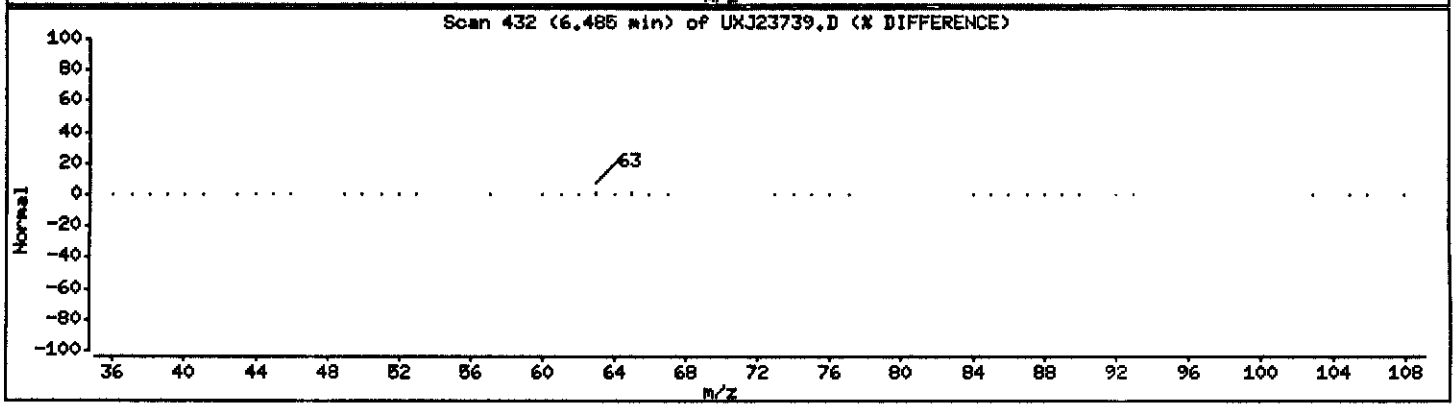
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 704.00 ug/L









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Date : 03-SEP-2004 12:30

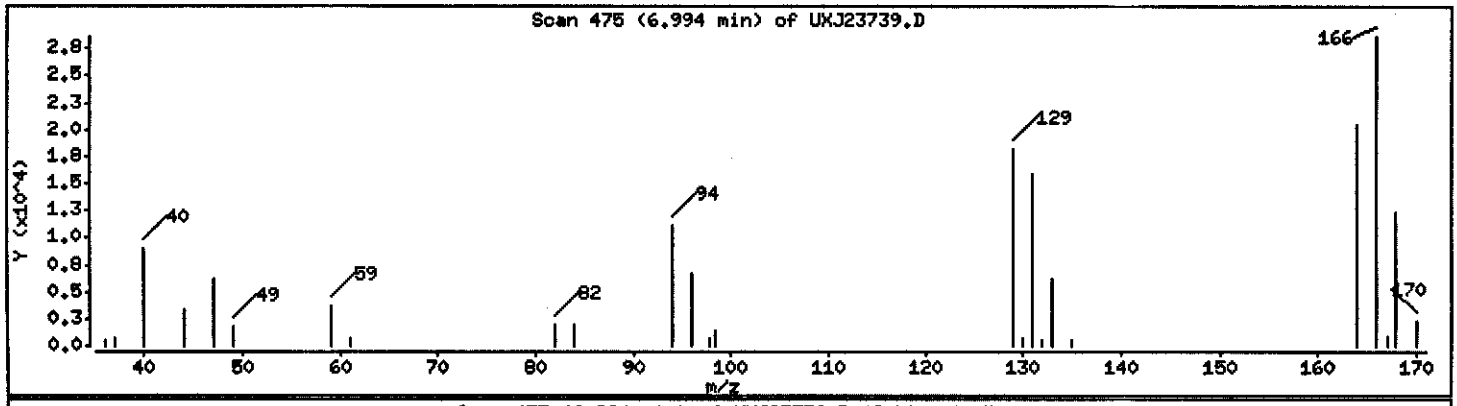
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

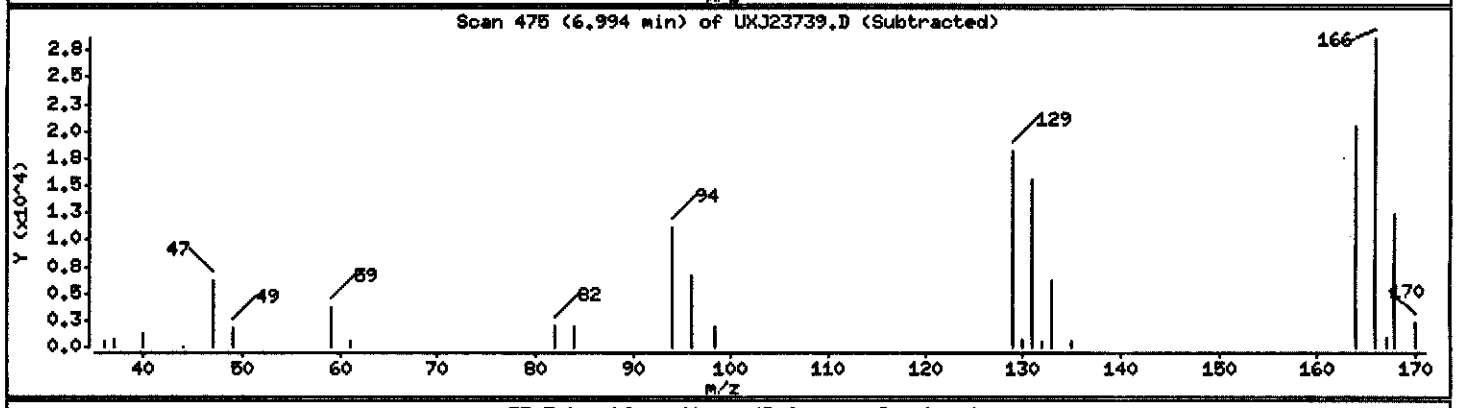
Sample Info: GPGDR1AA,0.175ML/5ML

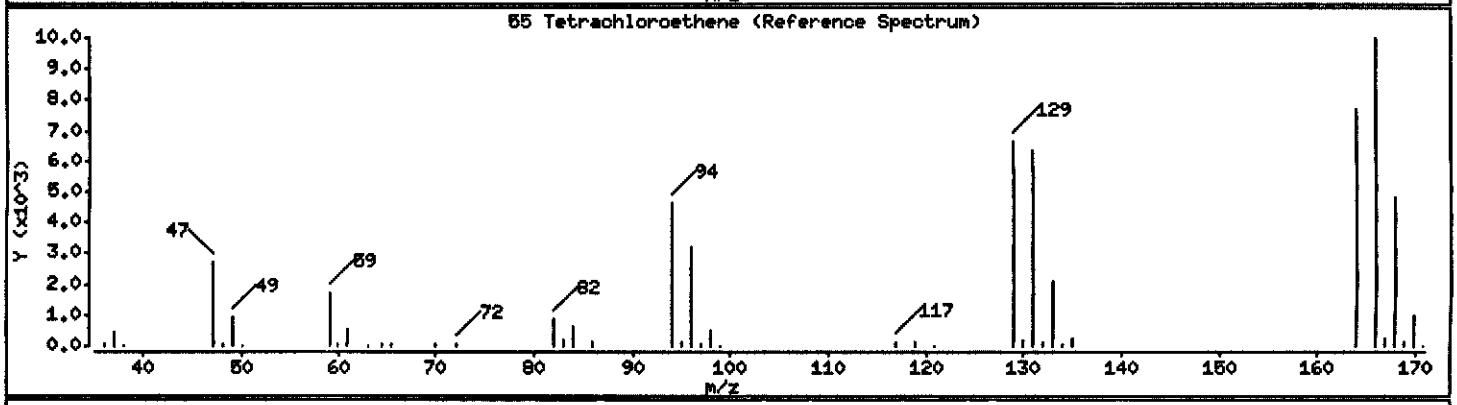
Purge Volume: 0.2 Operator: 43582

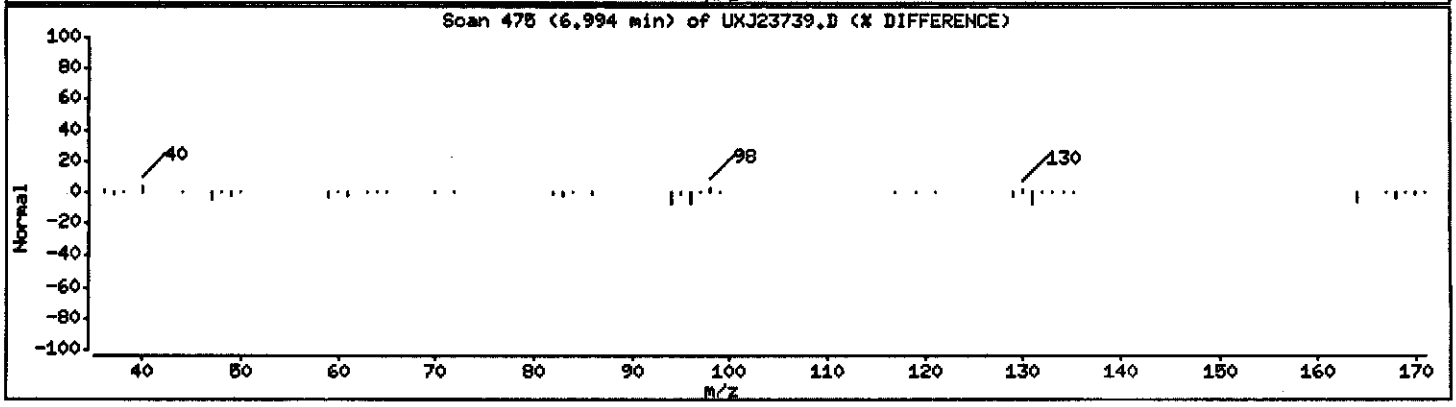
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 39.186 ug/L









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Date : 03-SEP-2004 12:30

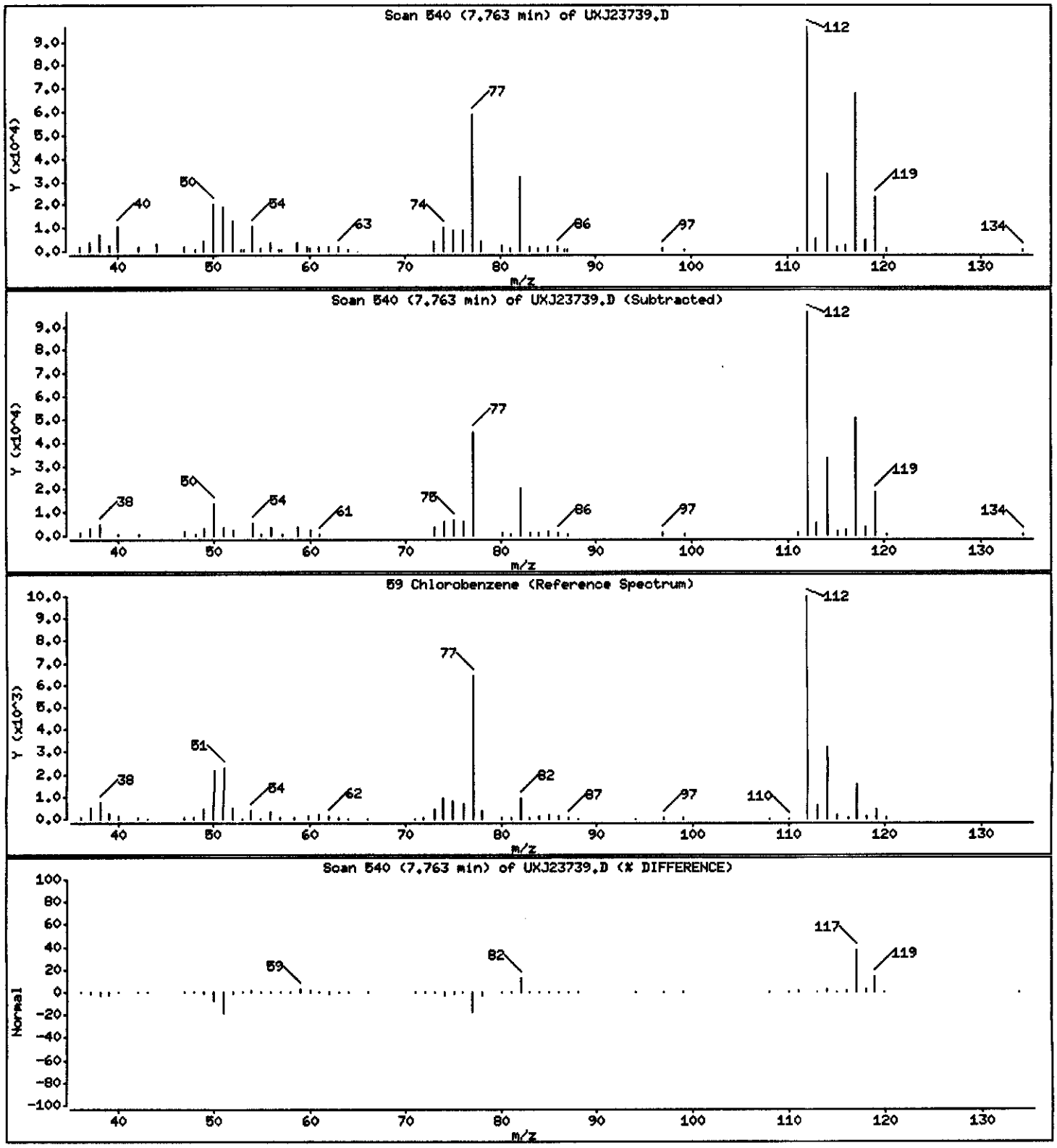
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

59 Chlorobenzene Concentration: 45.204 ug/L



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Date : 03-SEP-2004 12:30

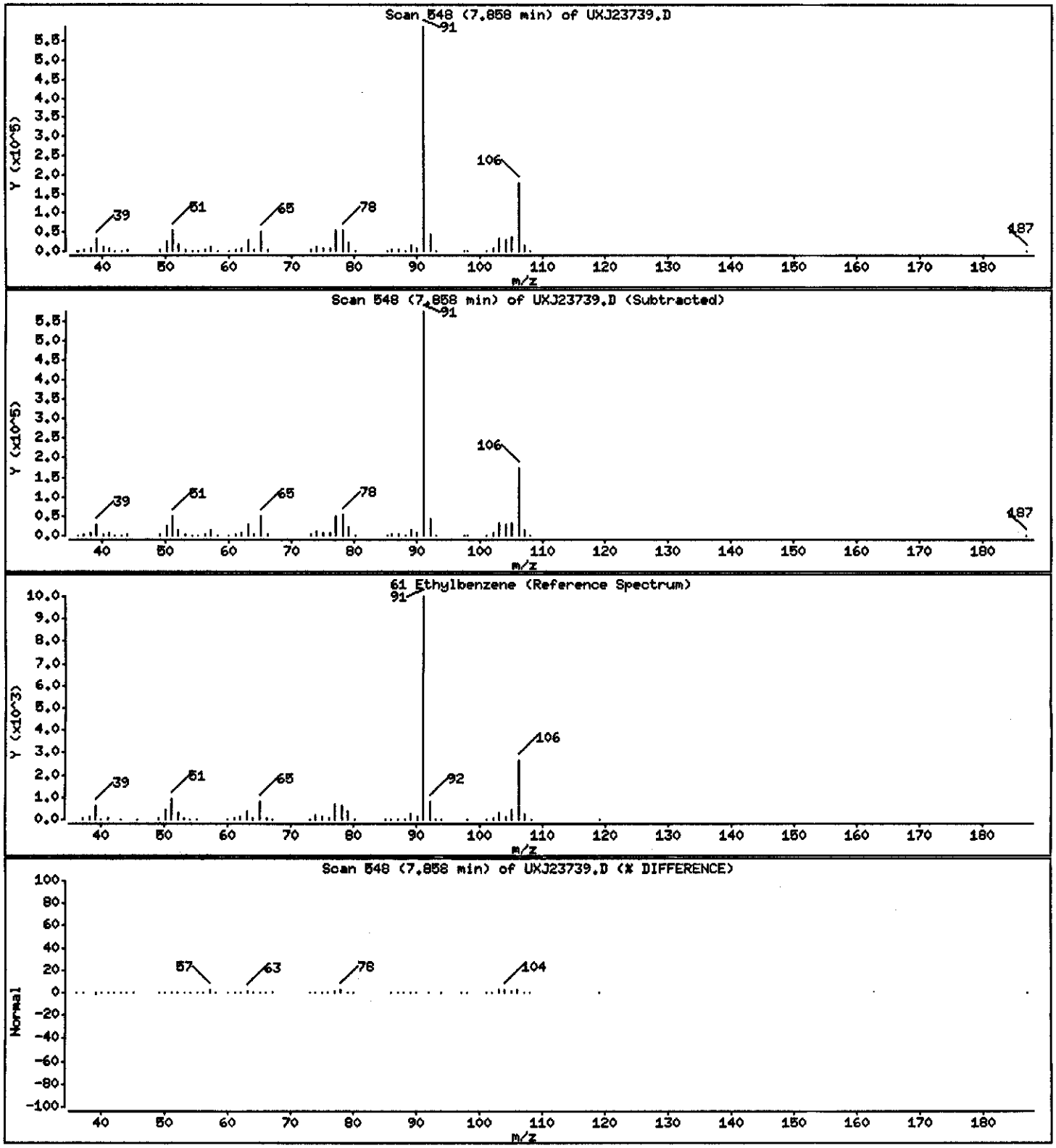
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

61 Ethylbenzene Concentration: 158.56 ug/L



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Date : 03-SEP-2004 12:30

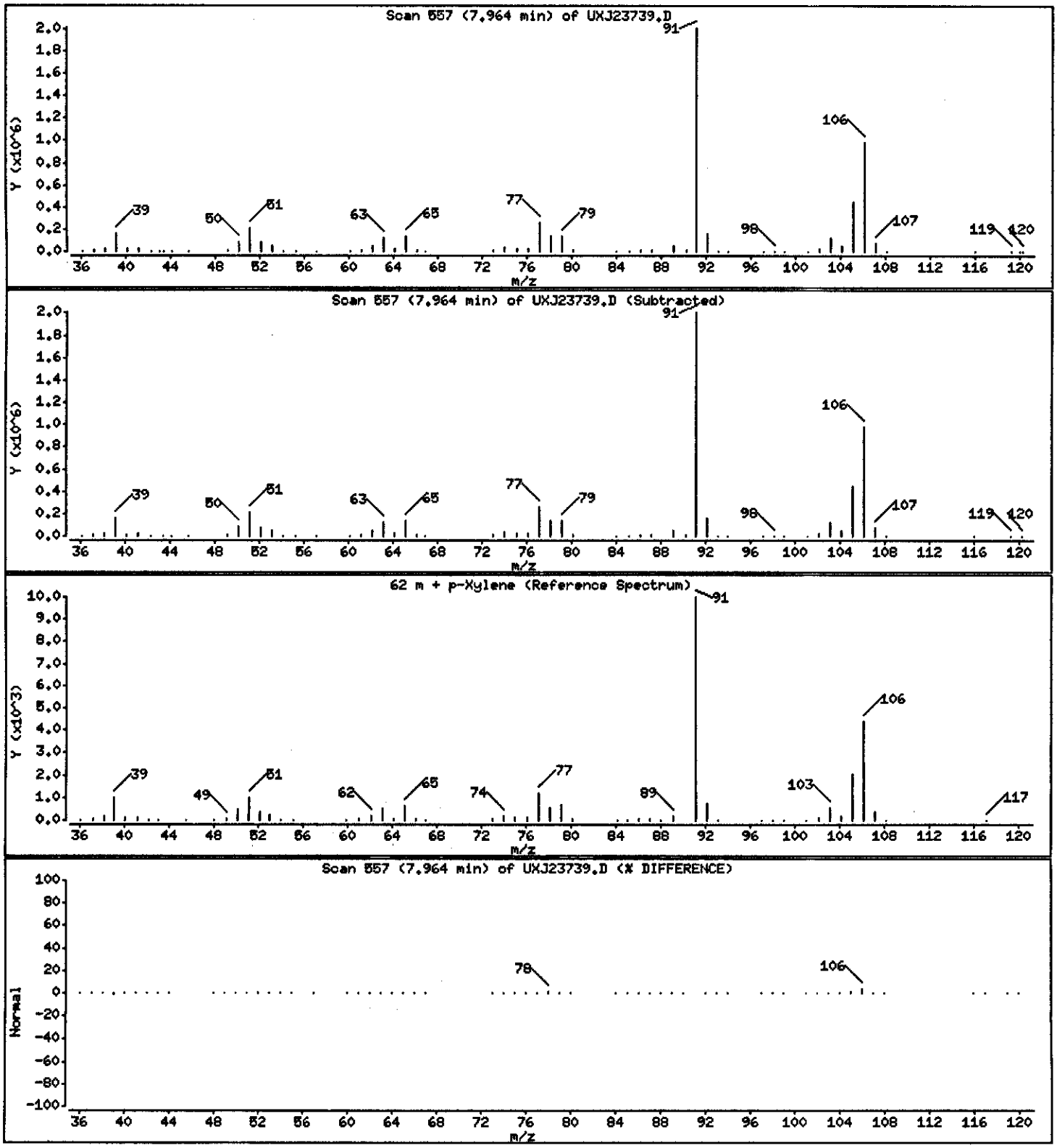
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 687.01 ug/L



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Date : 03-SEP-2004 12:30

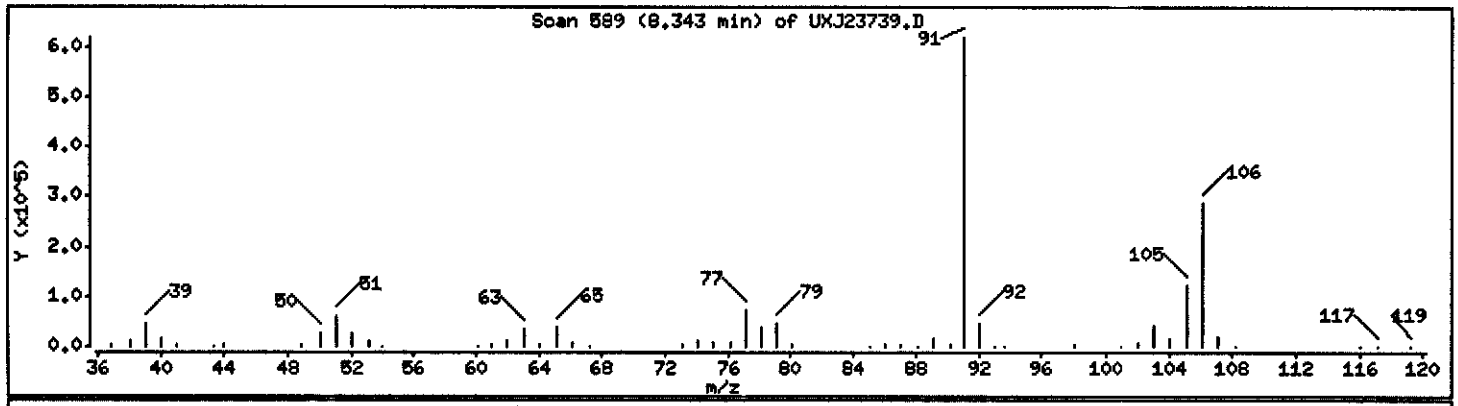
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

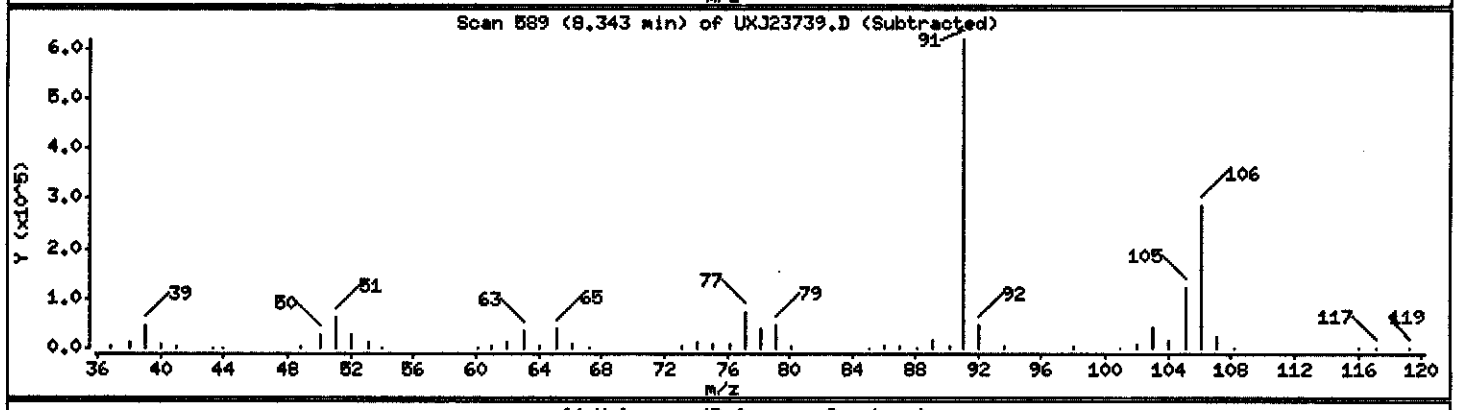
Sample Info: GPGDR1AA,0.175ML/5ML

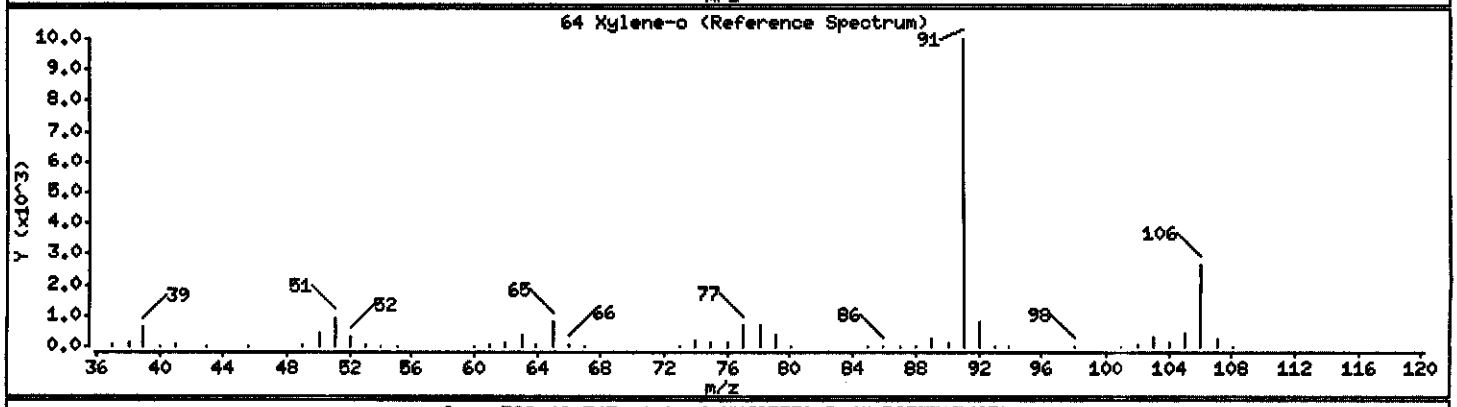
Purge Volume: 0.2 Operator: 43582

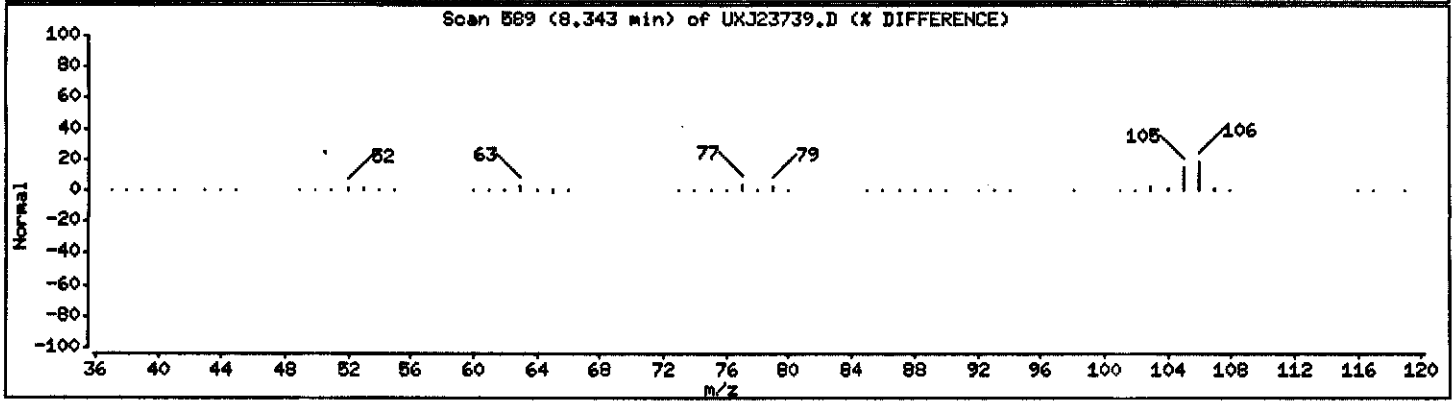
Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 212.39 ug/L









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Date : 03-SEP-2004 12:30

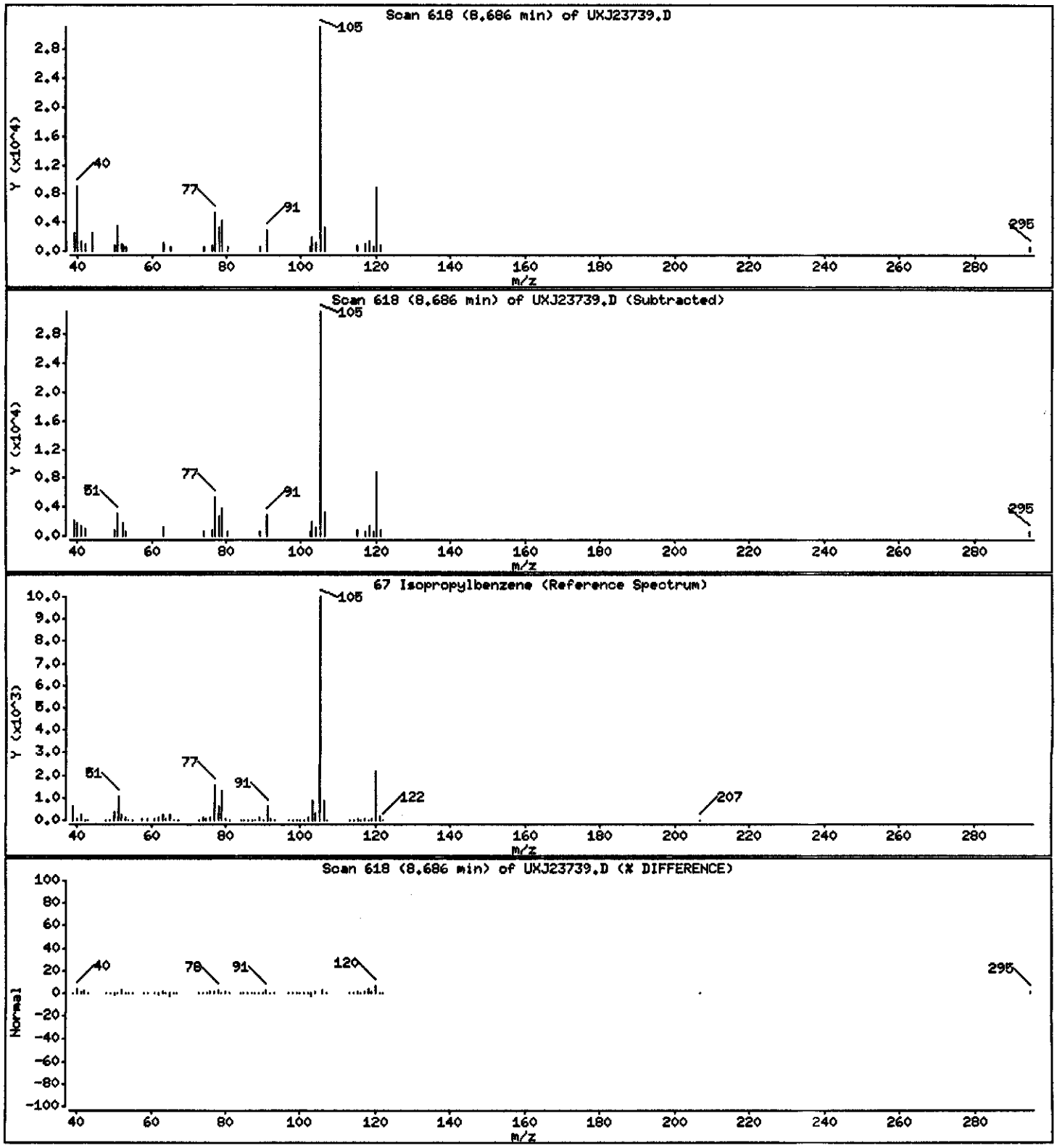
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 24.428 ug/L



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Date : 03-SEP-2004 12:30

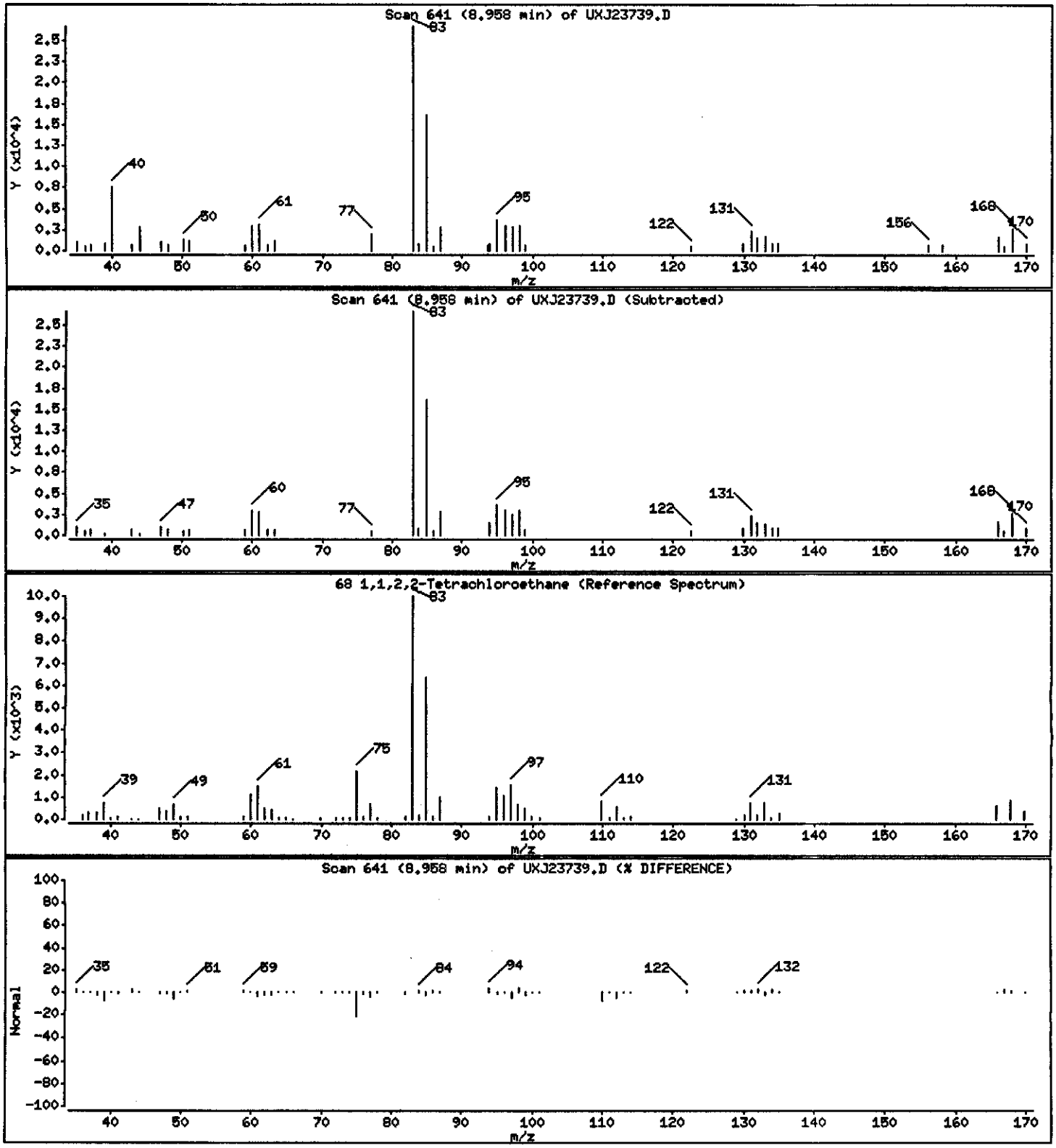
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: CPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 29.961 ug/L



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Date : 03-SEP-2004 12:30

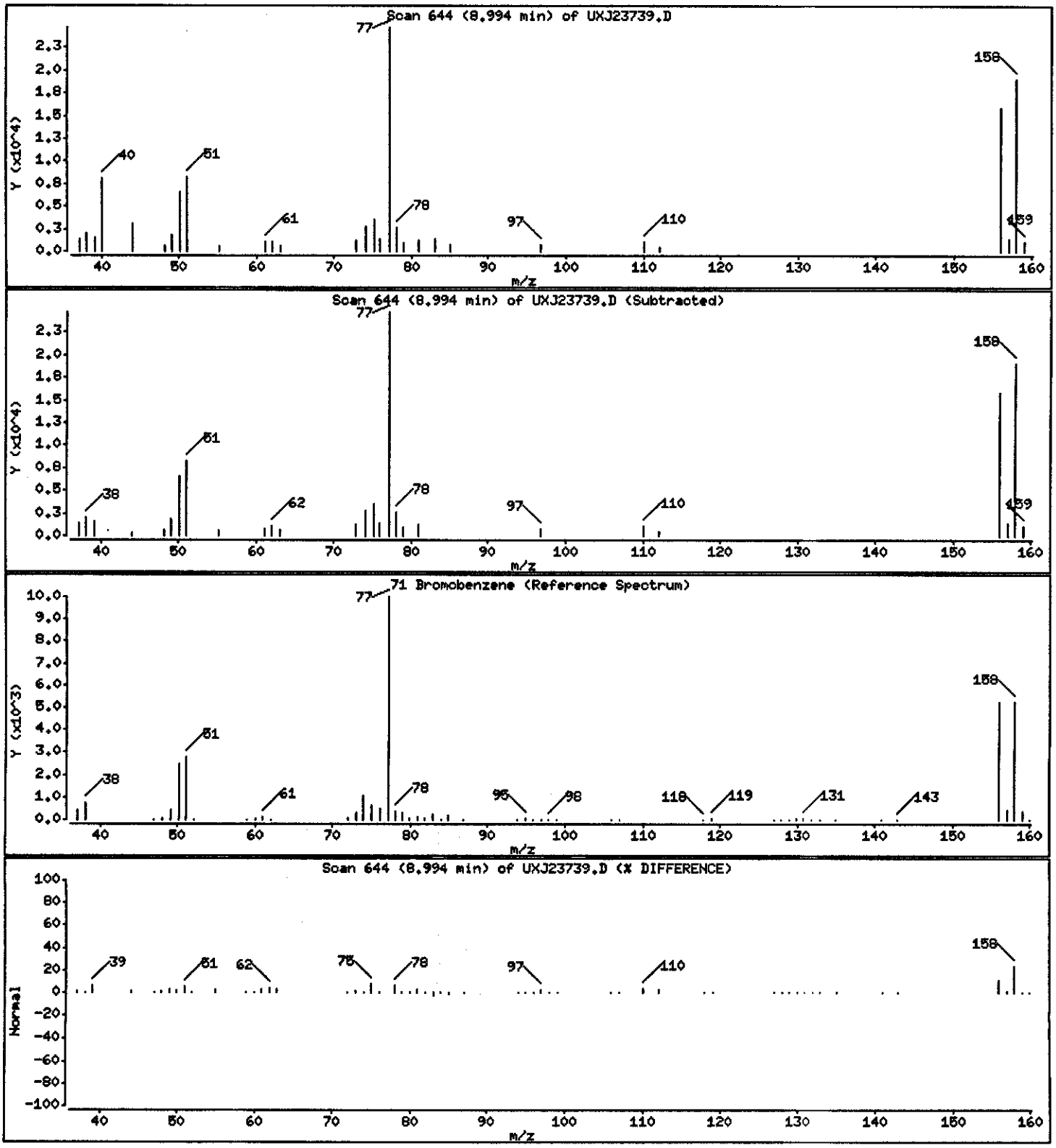
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

71 Bromobenzene | Concentration: 22.242 ug/L



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Date : 03-SEP-2004 12:30

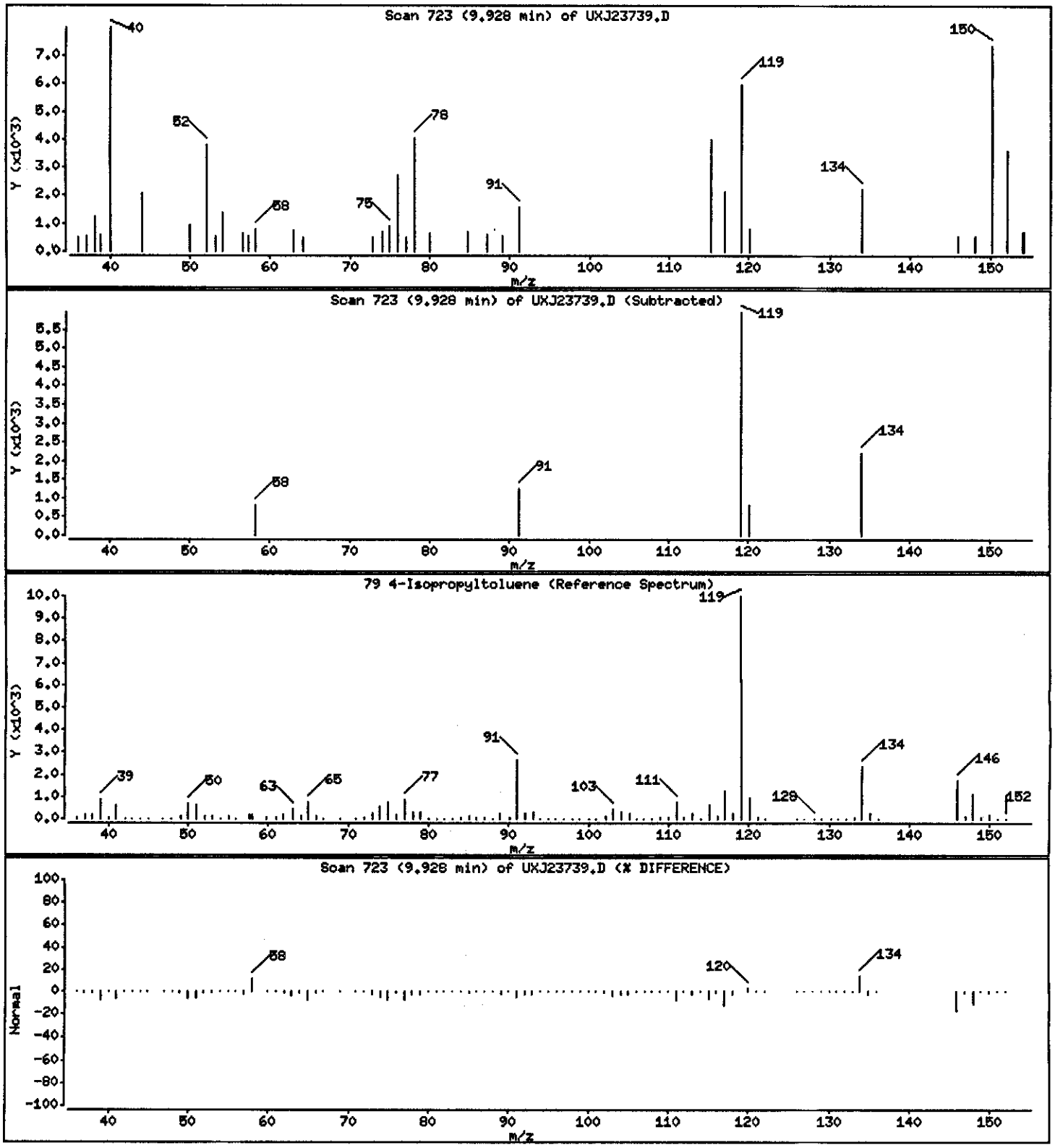
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

79 4-Isopropyltoluene Concentration: 16.889 ug/L



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Date : 03-SEP-2004 12:30

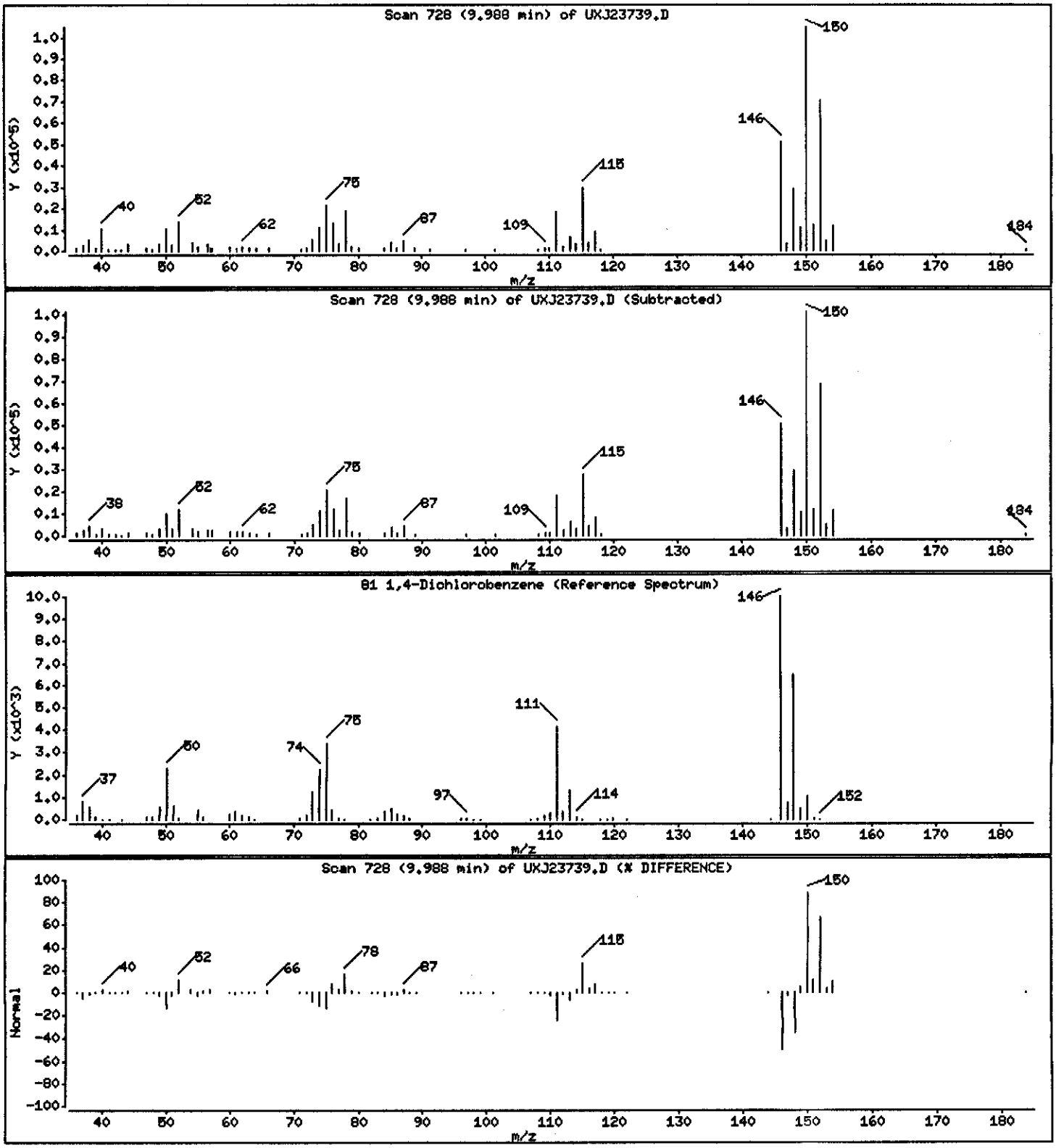
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 28.523 ug/L



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Date : 03-SEP-2004 12:30

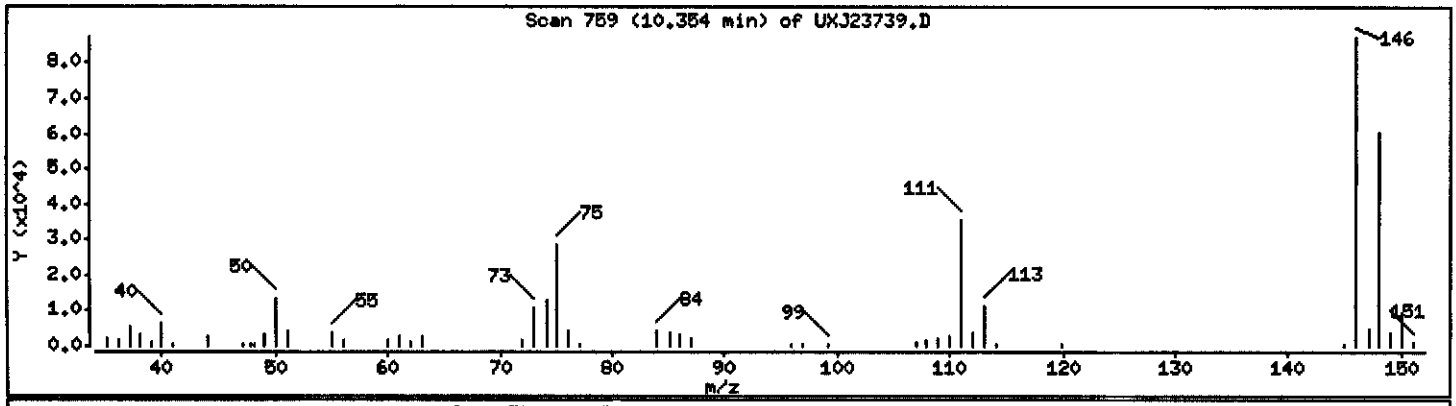
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

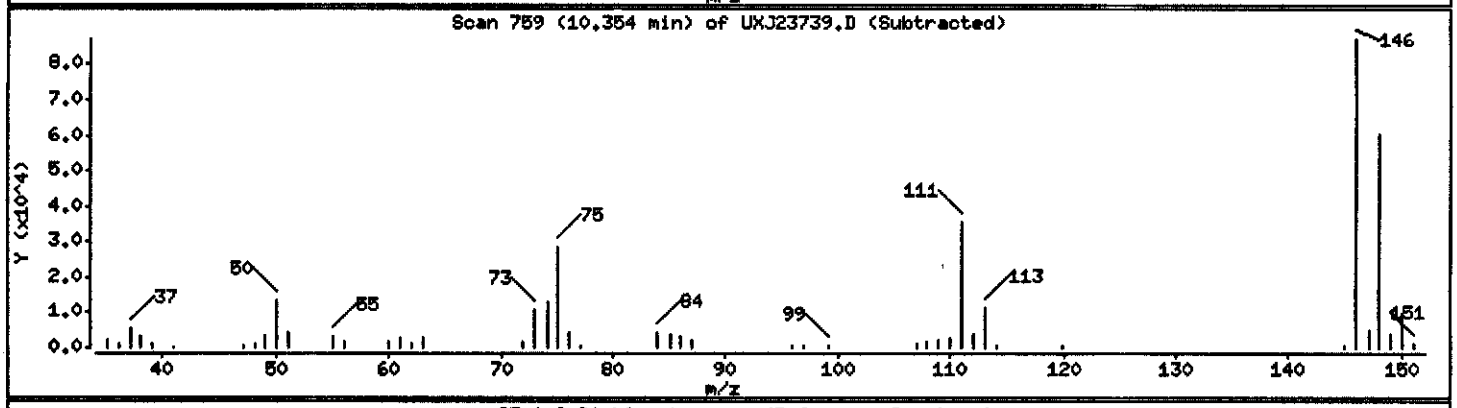
Sample Info: GPCDR1AA,0.175ML/5ML

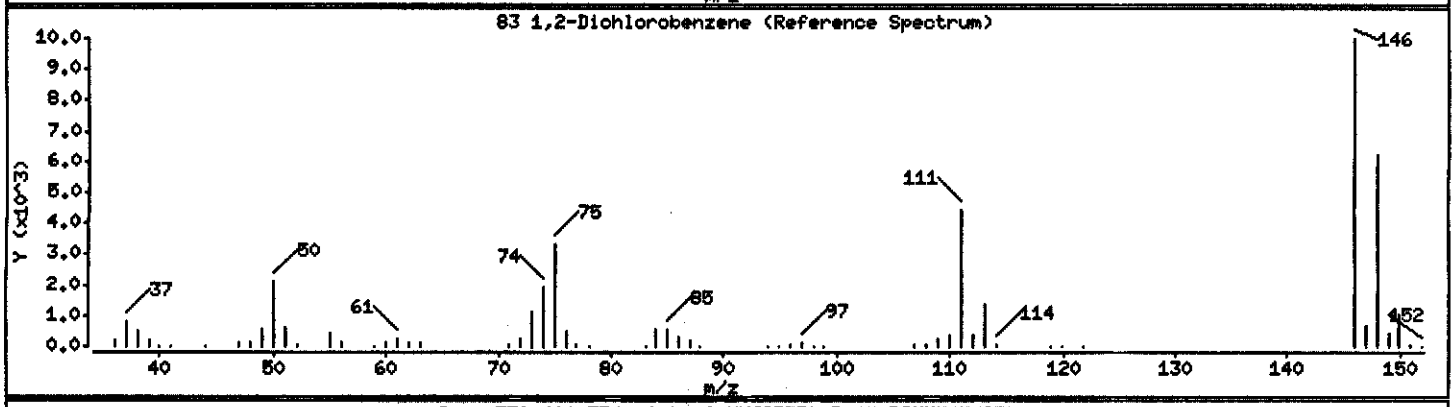
Purge Volume: 0.2 Operator: 43582

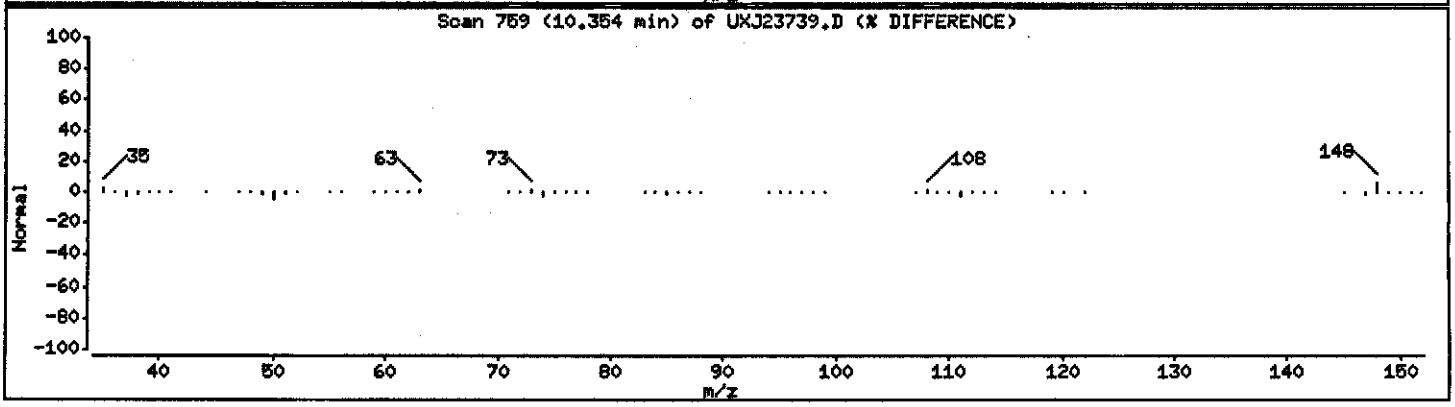
Column phase: DB624 Column diameter: 0.18

83 1,2-Dichlorobenzene Concentration: 59.076 ug/L









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Date : 03-SEP-2004 12:30

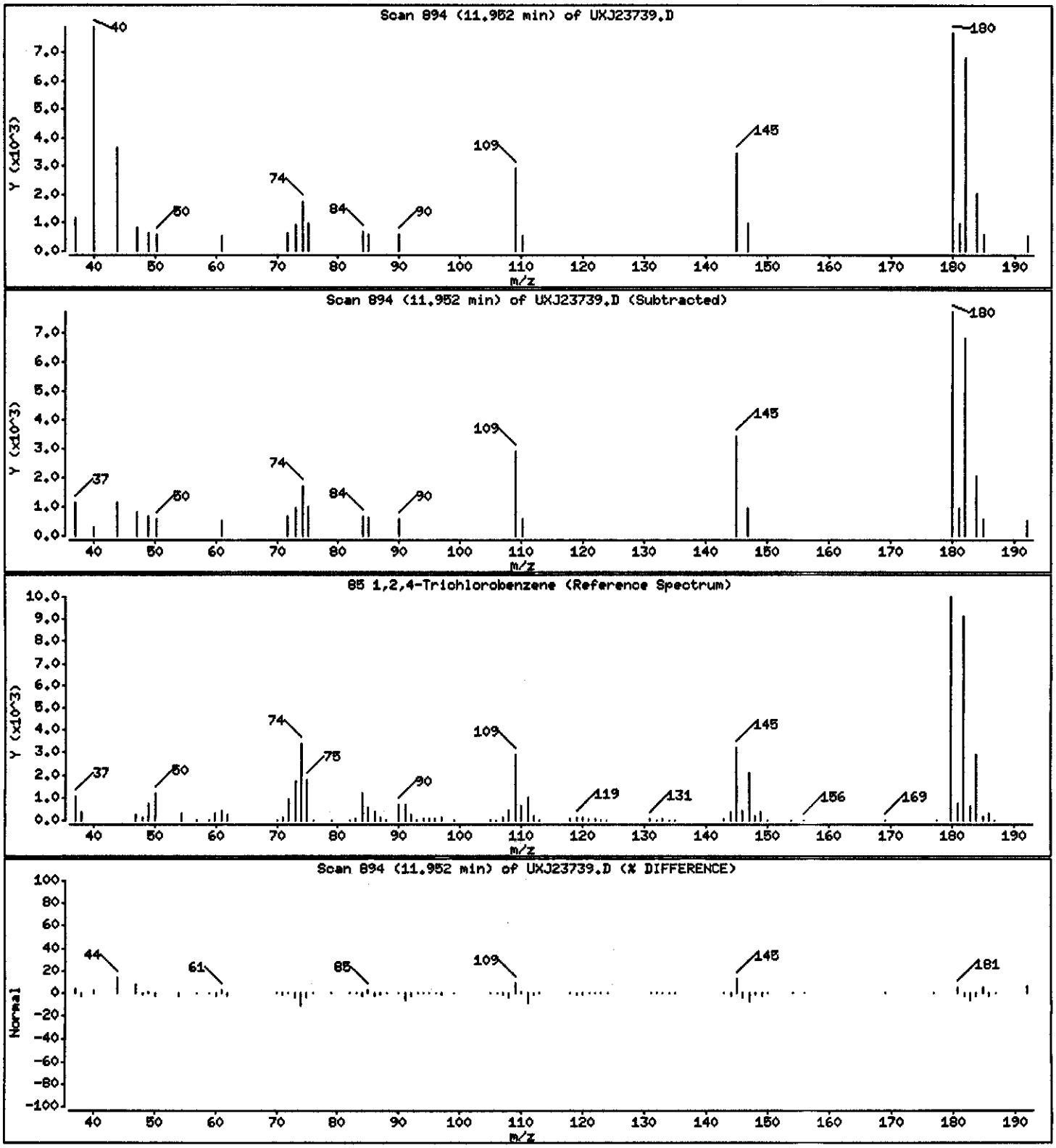
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 13.921 ug/L



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Date : 03-SEP-2004 12:30

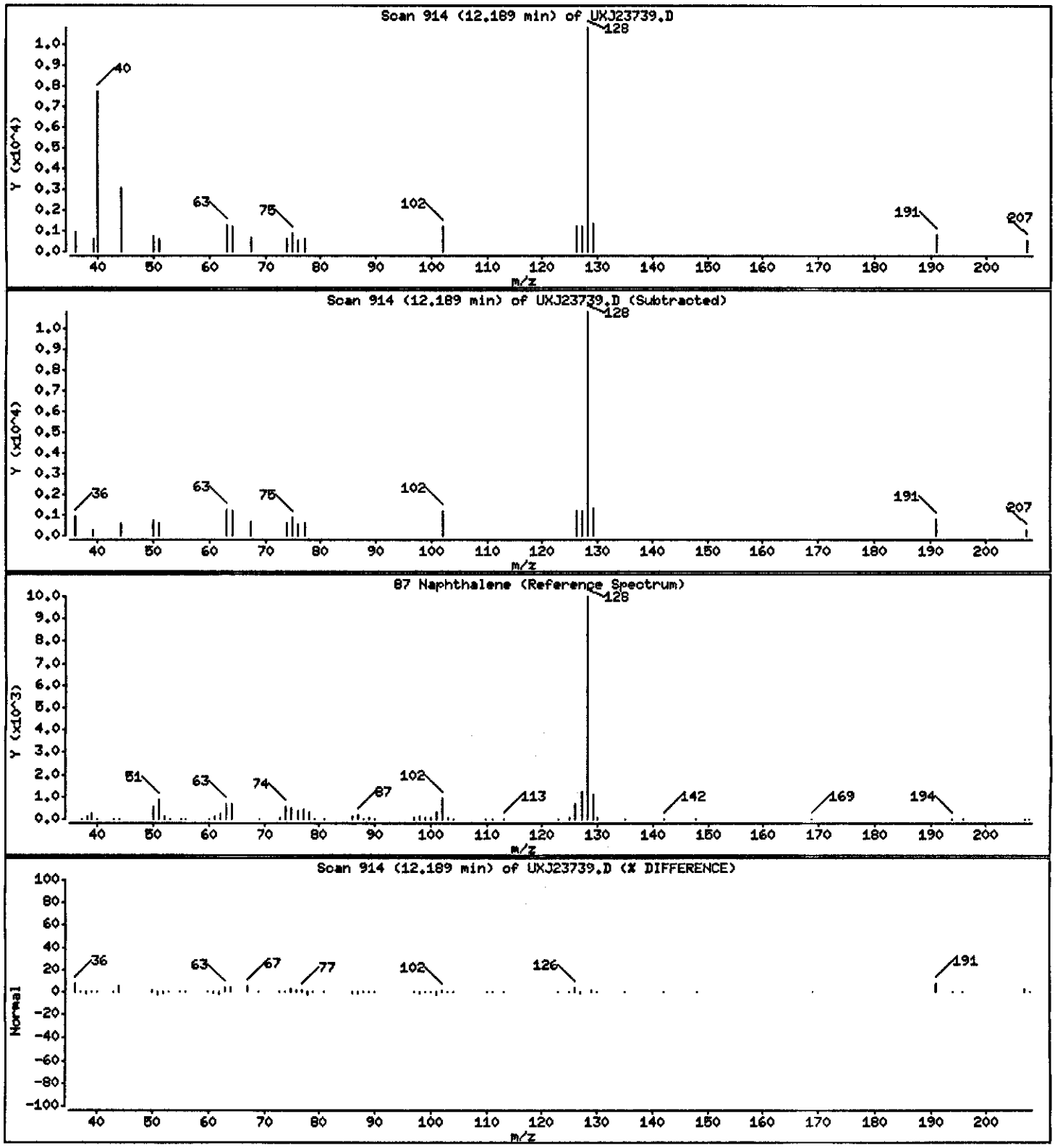
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 18.830 ug/L



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Date : 03-SEP-2004 12:30

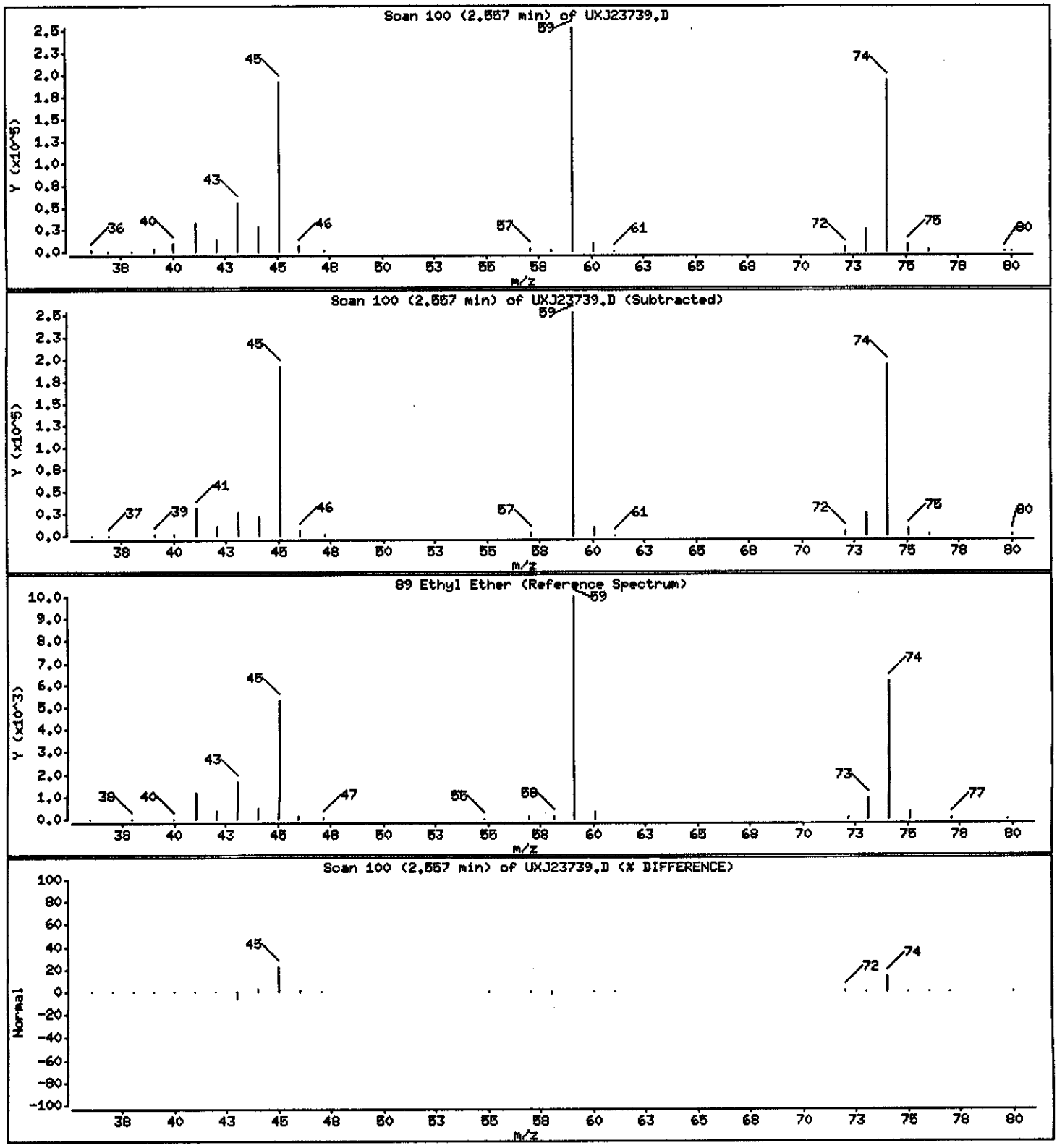
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 387.40 ug/L



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Date : 03-SEP-2004 12:30

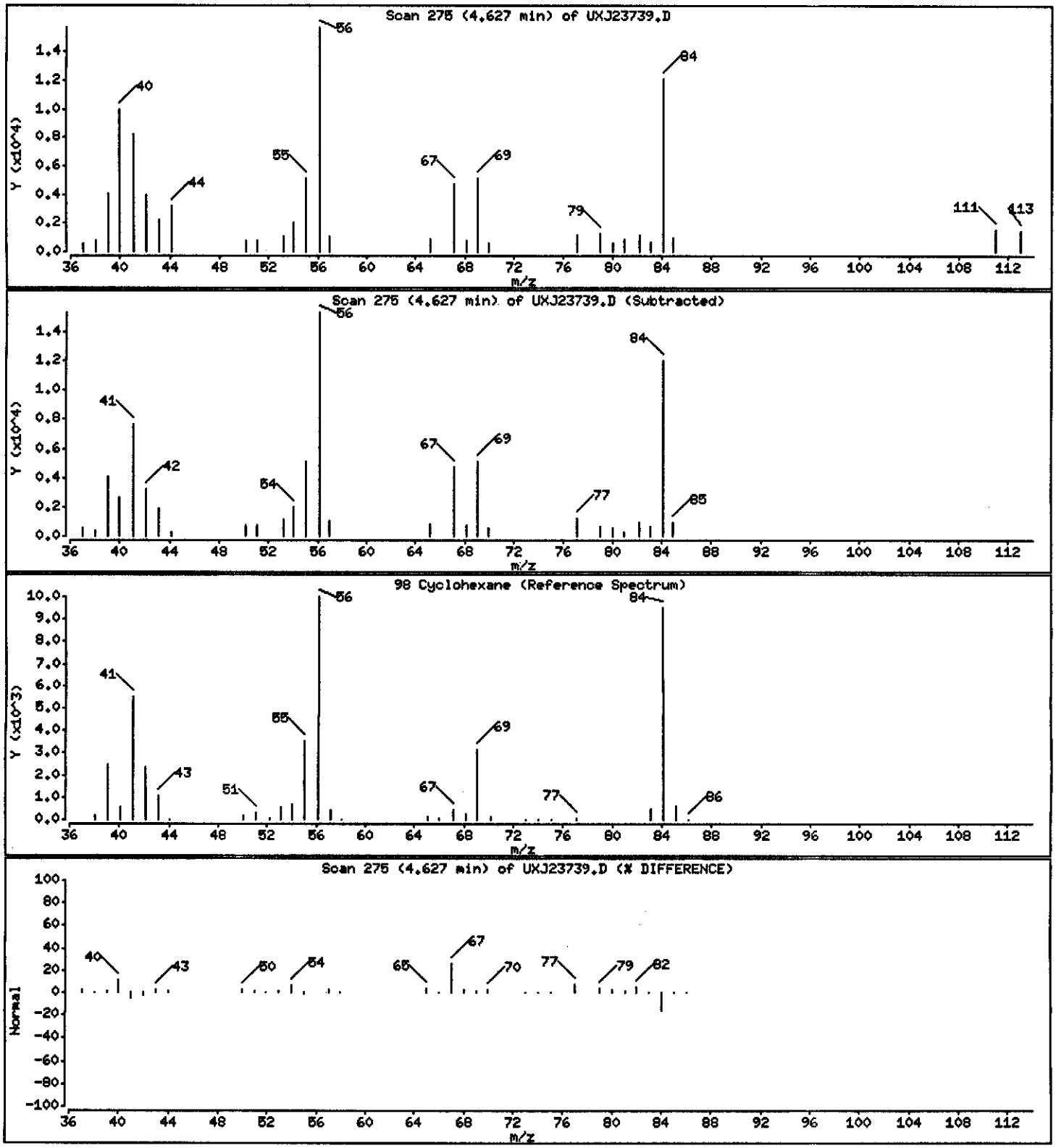
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 49.432 ug/L



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Date : 03-SEP-2004 12:30

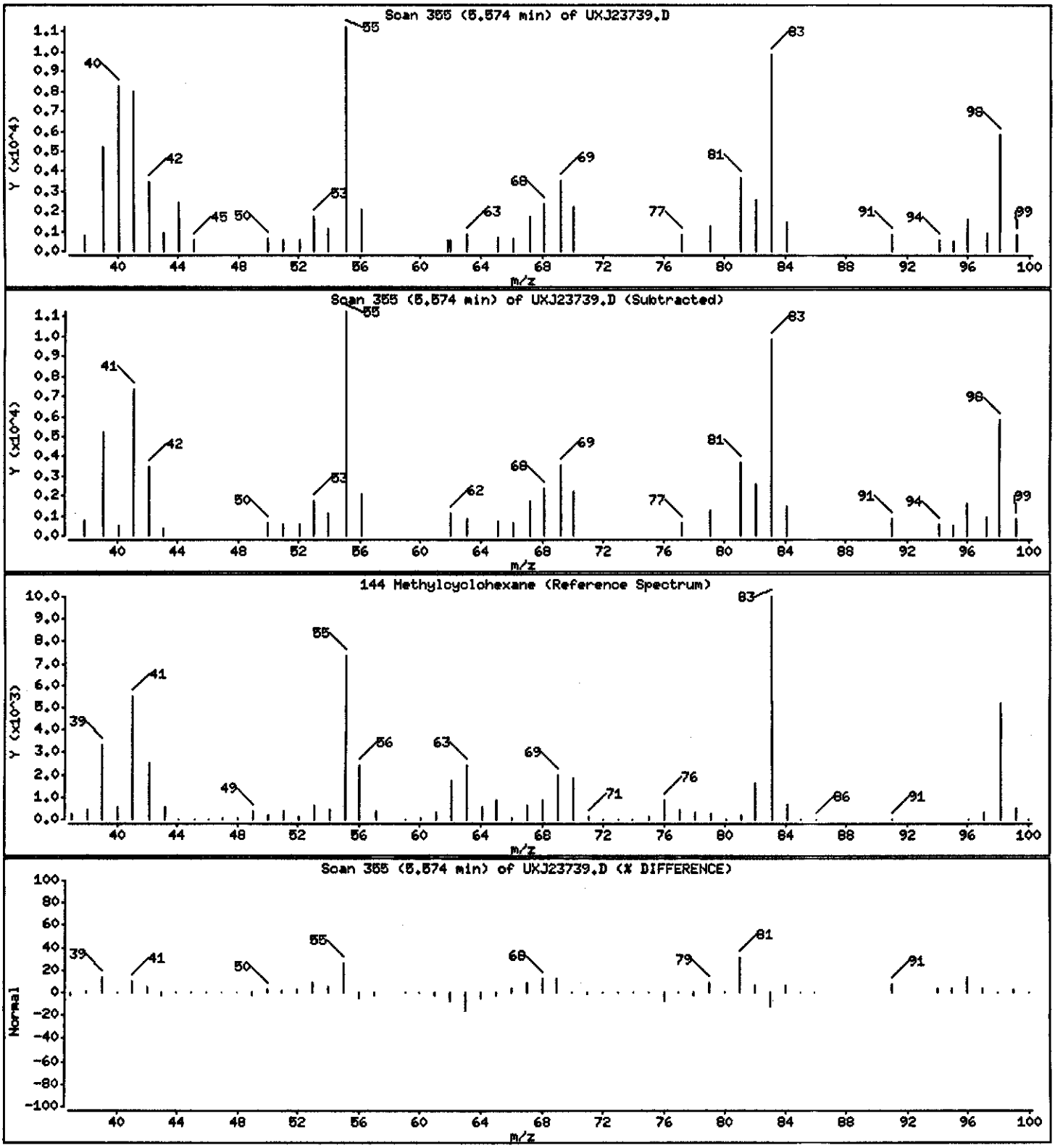
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 42.287 ug/L



PAYNE FIRM INC.

Client Sample ID: OUTFALL-WR/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-008 **Work Order #...:** GPGDR2AA **Matrix.....:** WG
Date Sampled...: 09/01/04 14:30 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 2.86 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**410 E**	**29**	**ug/L**
Acetonitrile	**54 J**	**57**	**ug/L**
Acrolein	ND	57	ug/L
Acrylonitrile	ND	57	ug/L
Benzene	**170 E**	**2.9**	**ug/L**
Bromodichloromethane	ND	2.9	ug/L
Bromoform	**2.3 J**	**2.9**	**ug/L**
Bromomethane	ND	2.9	ug/L
2-Butanone	ND	29	ug/L
Carbon disulfide	**1.3 J**	**2.9**	**ug/L**
Carbon tetrachloride	**2.2 J**	**2.9**	**ug/L**
Chlorobenzene	**48**	**2.9**	**ug/L**
Chloroprene	ND	5.7	ug/L
Dibromochloromethane	ND	2.9	ug/L
Chloroethane	ND	2.9	ug/L
Chloroform	**51**	**2.9**	**ug/L**
Chloromethane	ND	2.9	ug/L
3-Chloropropene	ND	5.7	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.7	ug/L
1,2-Dibromoethane	ND	2.9	ug/L
Dibromomethane	ND	2.9	ug/L
trans-1,4-Dichloro-2-butene	ND	2.9	ug/L
1,1-Dichloroethane	**8.2**	**2.9**	**ug/L**
1,2-Dichloroethane	ND	2.9	ug/L
cis-1,2-Dichloroethene	**750 E**	**2.9**	**ug/L**
trans-1,2-Dichloroethene	**5.5**	**2.9**	**ug/L**
1,1-Dichloroethene	ND	2.9	ug/L
1,2-Dichloroethene (total)	**760 E**	**5.7**	**ug/L**
Dichlorofluoromethane	ND	5.7	ug/L
1,2-Dichloropropane	ND	2.9	ug/L
cis-1,3-Dichloropropene	ND	2.9	ug/L
trans-1,3-Dichloropropene	ND	2.9	ug/L
1,4-Dioxane	**1900**	**140**	**ug/L**
Ethylbenzene	**190 E**	**2.9**	**ug/L**
Ethyl methacrylate	ND	2.9	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: OUTFALL-WR/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-008 **Work Order #...:** GPGDR2AA **Matrix.....:** WG

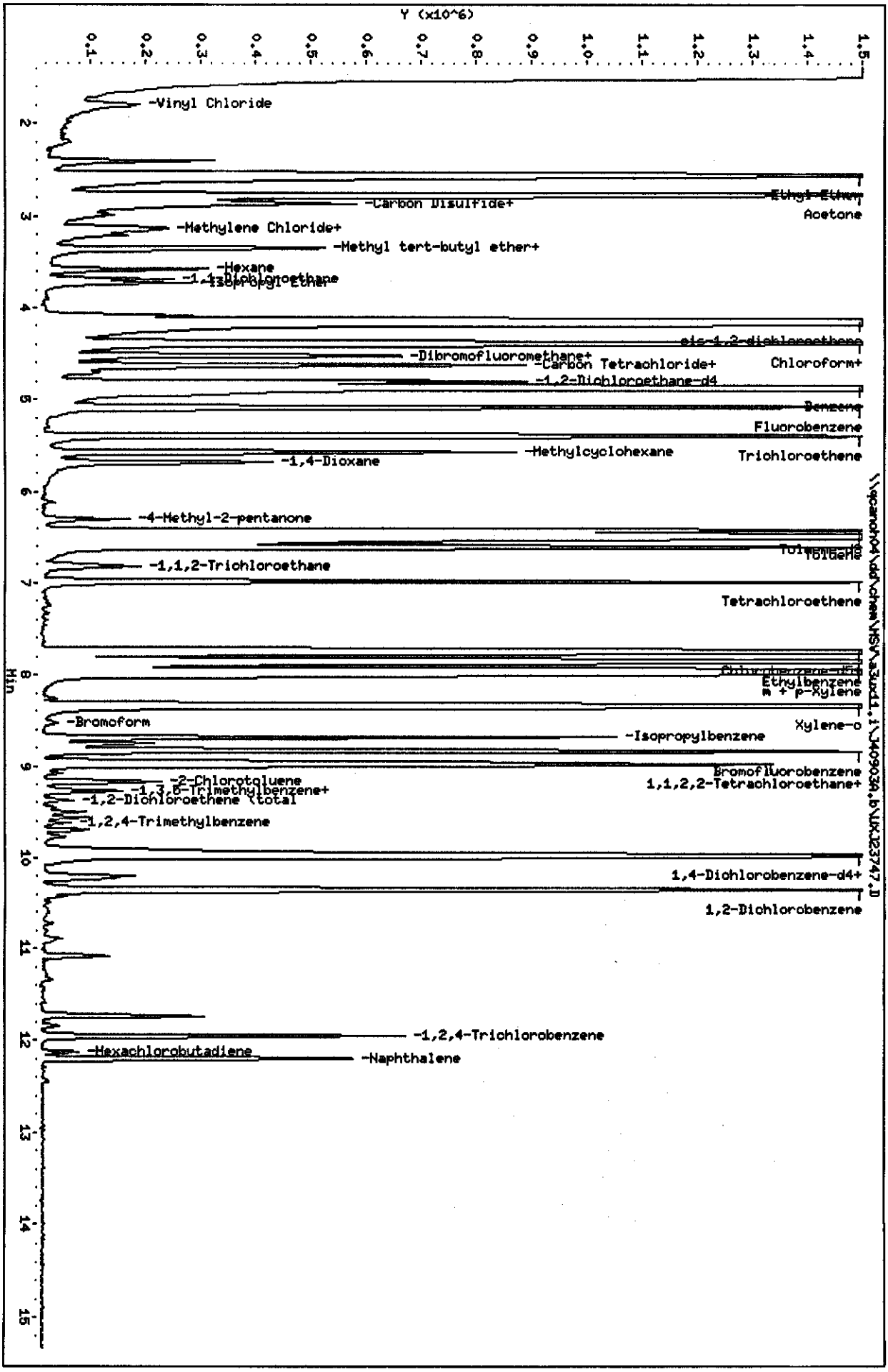
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	29	ug/L
Iodomethane	ND	2.9	ug/L
Isobutanol	ND	140	ug/L
Methacrylonitrile	ND	5.7	ug/L
Methylene chloride	**3.8**	**2.9**	**ug/L**
Methyl methacrylate	ND	5.7	ug/L
4-Methyl-2-pentanone	**7.0 J**	**29**	**ug/L**
Propionitrile	ND	11	ug/L
Styrene	ND	2.9	ug/L
1,1,1,2-Tetrachloroethane	ND	2.9	ug/L
1,1,2,2-Tetrachloroethane	**25**	**2.9**	**ug/L**
Tetrachloroethene	**37**	**2.9**	**ug/L**
Toluene	**400 E**	**2.9**	**ug/L**
1,1,1-Trichloroethane	**1.5 J**	**2.9**	**ug/L**
1,1,2-Trichloroethane	**3.2**	**2.9**	**ug/L**
Trichloroethene	**49**	**2.9**	**ug/L**
Trichlorofluoromethane	ND	2.9	ug/L
1,2,3-Trichloropropane	ND	2.9	ug/L
Vinyl acetate	ND	5.7	ug/L
Vinyl chloride	**23**	**2.9**	**ug/L**
Xylenes (total)	**890 E**	**5.7**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.


Data File: \\qcanch04\dd\chem\HSV\a3ud1.i\3409030.b\UK123747.D
Date : 03-SEP-2004 15:33
Client ID: OUTFALL-NR/090104
Sample Info: GPCDR2ML,1.75ML/5ML
Purge Volume: 1.8
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
Ethyl Ether
-Carbon Disulfide+
Acetone
-Methylene Chloride+
-Methyl tert-butyl ether+
-Hexane
-1,1-Dichloroethane
Isopropyl Ether
cis-1,2-dichloroethene
-Dibromofluoromethane+
-Carbon Tetrachloride+
Chloroform+
-1,2-Dichloroethane-d4
Benzene
Fluorobenzene
-Methylcyclohexane
Trichloroethene
-1,4-Dioxane
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-1,1,2-Trichloroethane
Tetrachloroethene
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o
-Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total
-1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
\\qcanch04\dd\chem\HSV\a3ud1.i\3409030.b\UK123747.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23747.D
Report Date: 07-Sep-2004 09:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23747.D
Lab Smp Id: GPGDR2AA Client Smp ID: OUTFALL-WR/090104
Inj Date : 03-SEP-2004 15:33
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDR2AA,1.75ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1879955	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1368554	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	764393	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	442770	50.0457	28.598
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	623402	53.2051	30.403
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1652259	50.3917	28.795
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	724994	52.1737	29.814
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.799	1.787	(0.354)	321821	40.6585	23.233
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.769	2.769	(0.544)	3367359	718.778	410.73(A)
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23747.D
Report Date: 07-Sep-2004 09:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.947	2.946	(0.579)	64848	2.24455	1.282
	21 Methylene Chloride	84	3.124	3.124	(0.614)	146248	6.69228	3.824
	22 Acetonitrile	41	2.994	2.982	(0.588)	134941	95.1281	54.359
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	221173	10.1545	5.802
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.661)	91993	9.54080	5.452
	26 Hexane	86	3.574	3.574	(0.702)	26732	16.4087	9.376
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	247398	14.3939	8.225
	29 tert-Butyl Alcohol	59	3.195	3.195	(0.628)	30983	35.5586	20.319
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				13337378	1322.21	755.55
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	13245385	1312.67	750.10(A)
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	1523093	88.5029	50.573
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	1423091	462.086	264.05(A)
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	25554	2.57073	1.469
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	27382	3.76540	2.152
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.863	4.863	(0.956)	12555427	296.710	169.55(A)
	42 Trichloroethene	130	5.396	5.396	(1.060)	812085	86.4991	49.428
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	409156	3403.86	1945.1(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	119443	12.3046	7.031
	50 Toluene	91	6.473	6.484	(0.836)	27338939	707.042	404.02(A)
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	49254	5.56988	3.183
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	435362	65.4332	37.390
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.763	7.762	(1.003)	2227332	83.1340	47.505
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	4211803	339.244	193.85(A)
	62 m + p-Xylene	106	7.964	7.964	(1.029)	18310951	1128.21	644.69(A)
M	63 Xylenes (total)	106				25035553	1559.44	891.11
	64 Xylene-o	106	8.342	8.342	(1.078)	6724602	431.222	246.41(A)
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23747.D
Report Date: 07-Sep-2004 09:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	9834	3.98383	2.276
67 Isopropylbenzene	105	8.685	8.685	(1.122)	783959	22.7391	12.994
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	554865	42.9870	24.564
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	8.993	8.993	(0.903)	378222	34.0384	19.450
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	9.182	9.171	(0.922)	22491	2.36638	1.352
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	26217	3.10441	1.774
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	30120	2.85366	1.631
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	32143	3.19611	1.826
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	172209	7.80509	4.460
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	62424	3.00434	1.717
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1073331	48.3039	27.602
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	2178341	107.875	61.643
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	242356	32.0447	18.311
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	13475	3.64452	2.082
87 Naphthalene	128	12.200	12.200	(1.224)	584466	31.9645	18.265
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	5900212	636.499	363.71(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.727	3.728	(0.733)	59493	7.07864	4.045
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	441532	35.2668	20.152
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	303202	30.2632	17.293
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40903A.b\UXJ23747.D

Date : 03-SEP-2004 15:33

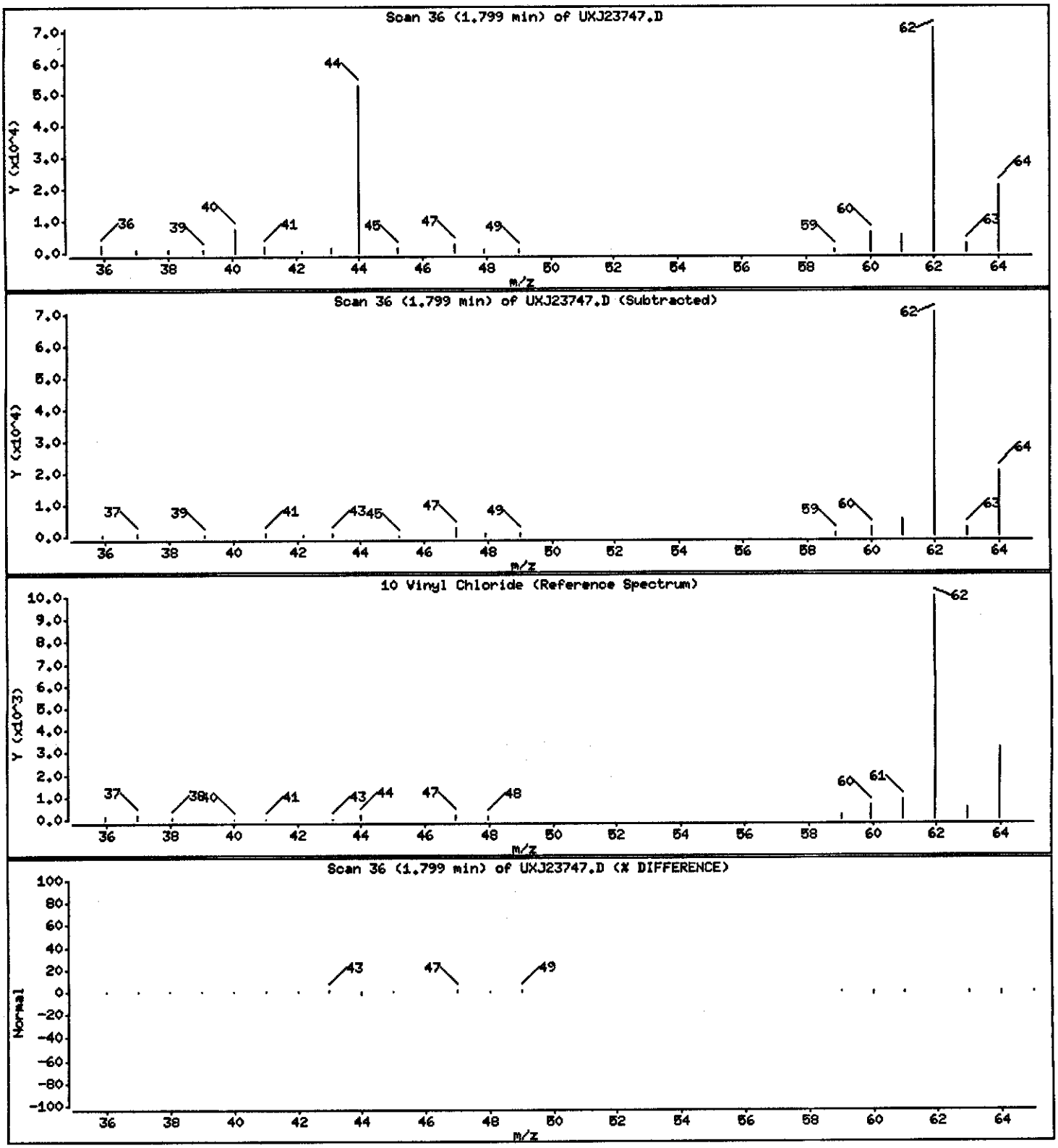
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 23.233 ug/L



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Date : 03-SEP-2004 15:33

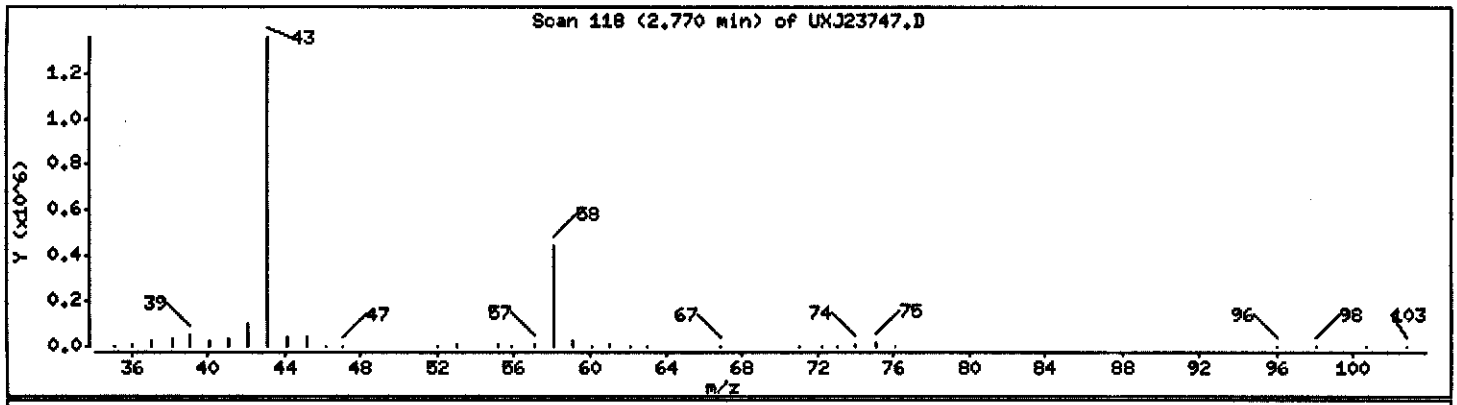
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

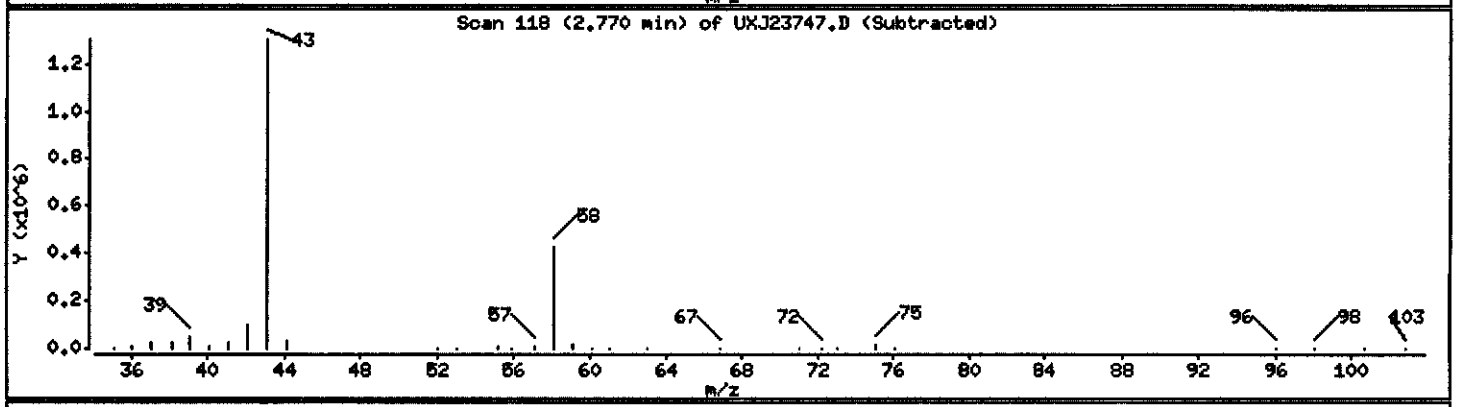
Sample Info: GPCDR2AA,1.75ML/5ML

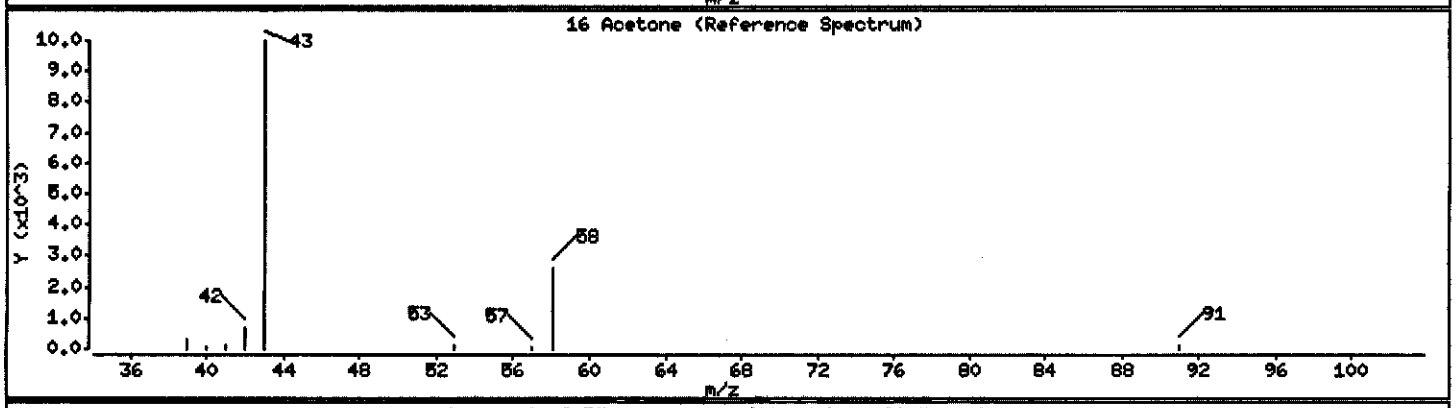
Purge Volume: 1.8 Operator: 43582

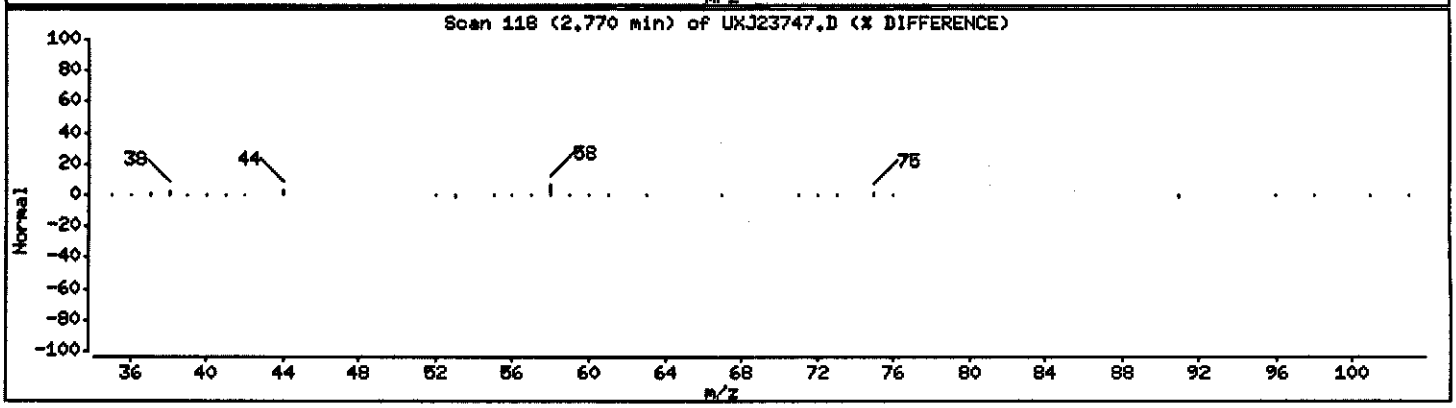
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 410.73 ug/L









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Date : 03-SEP-2004 15:33

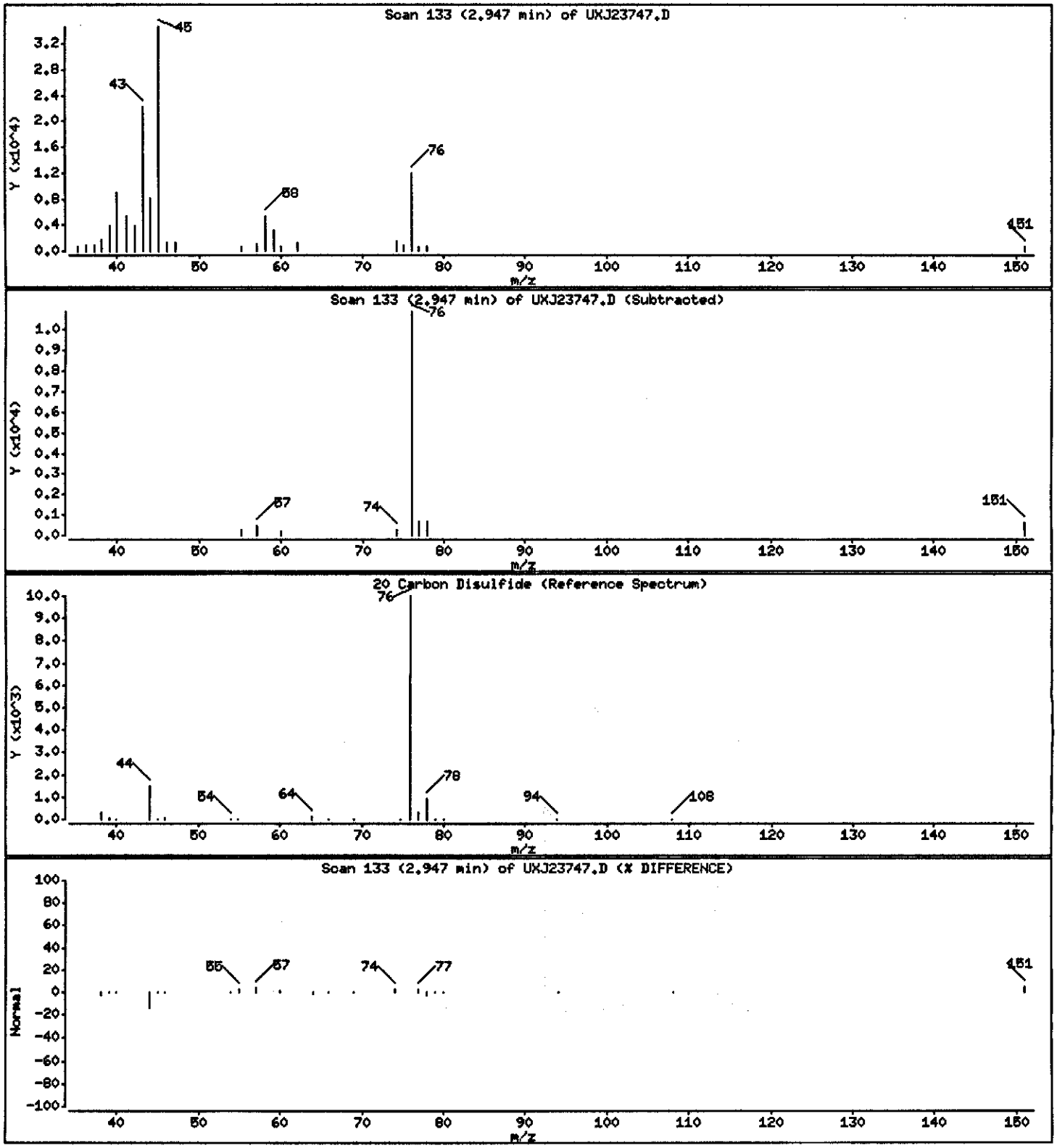
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

20 Carbon Disulfide | Concentration: 1.282 ug/L



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Date : 03-SEP-2004 15:33

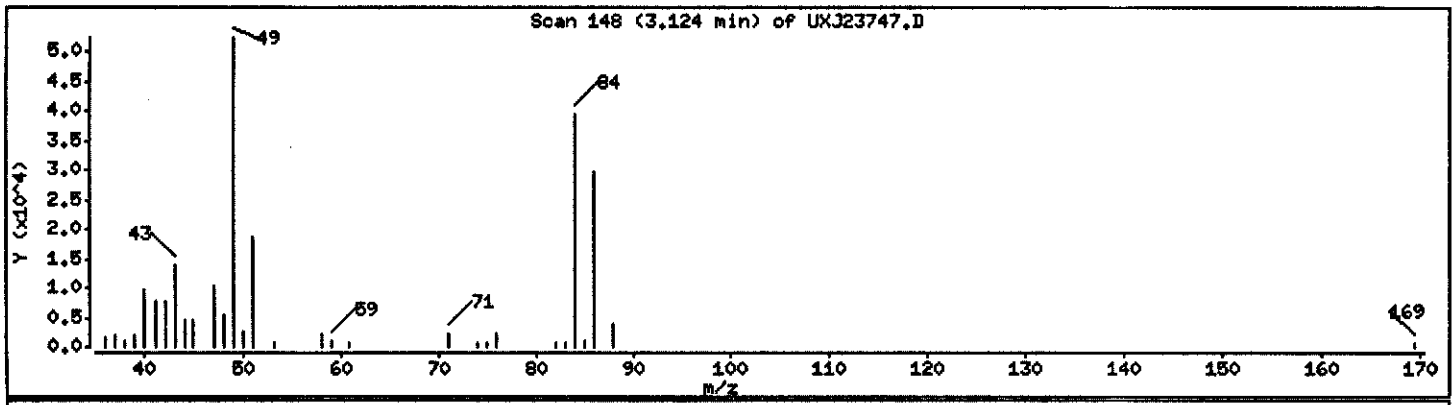
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

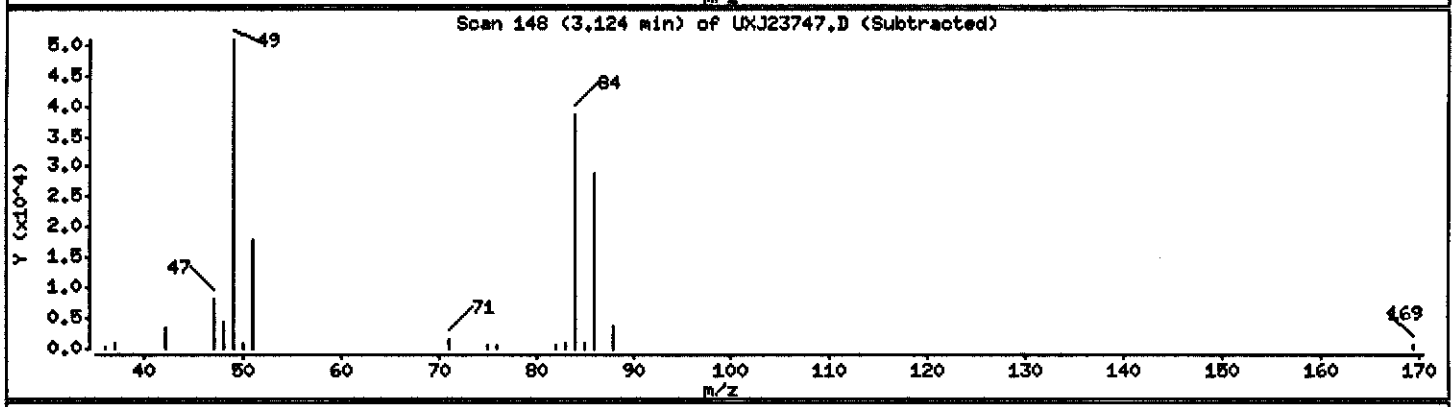
Sample Info: GPCDR2AA,1.75ML/5ML

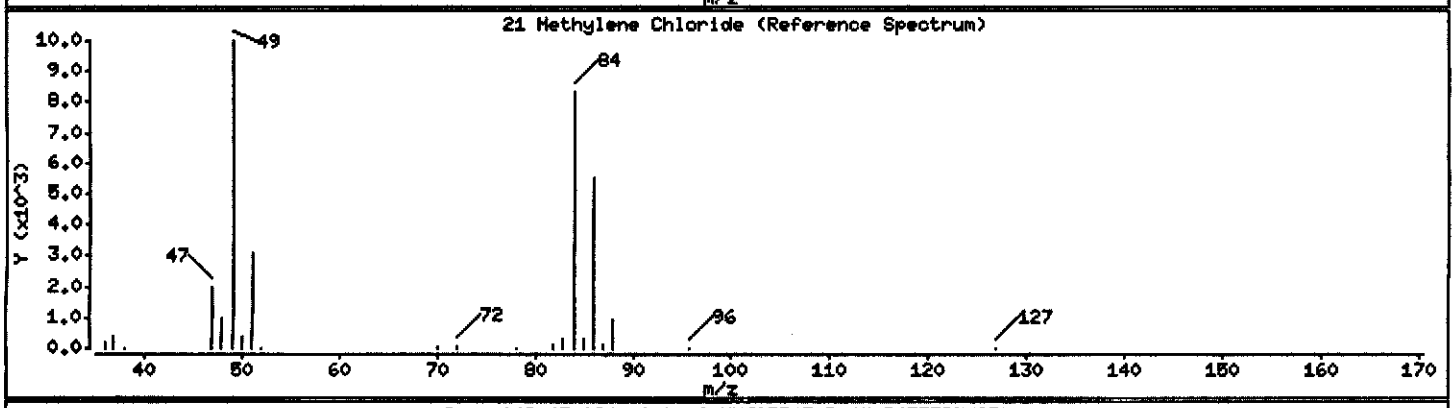
Purge Volume: 1.8 Operator: 43582

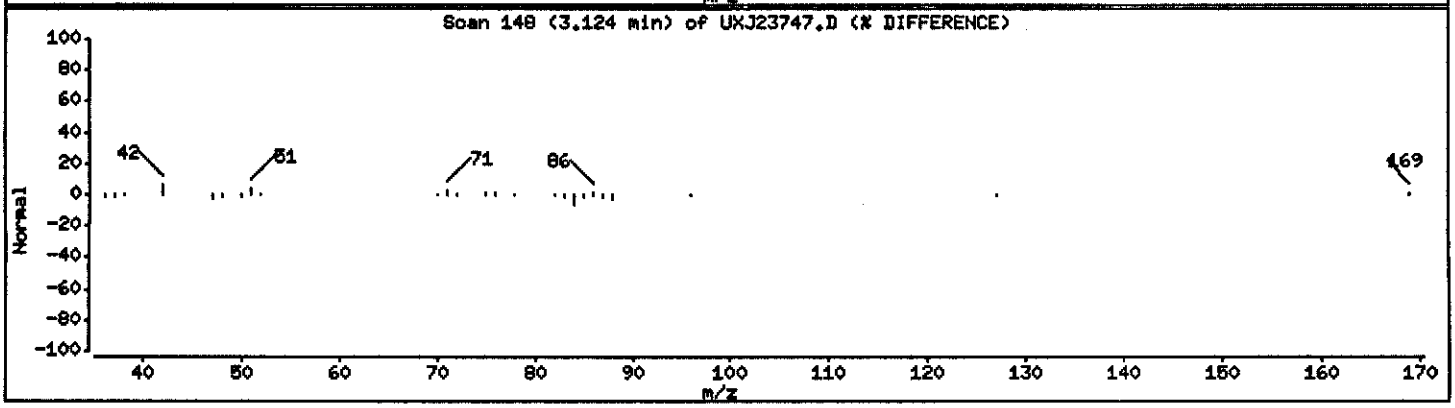
Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 3.824 ug/L









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Date : 03-SEP-2004 15:33

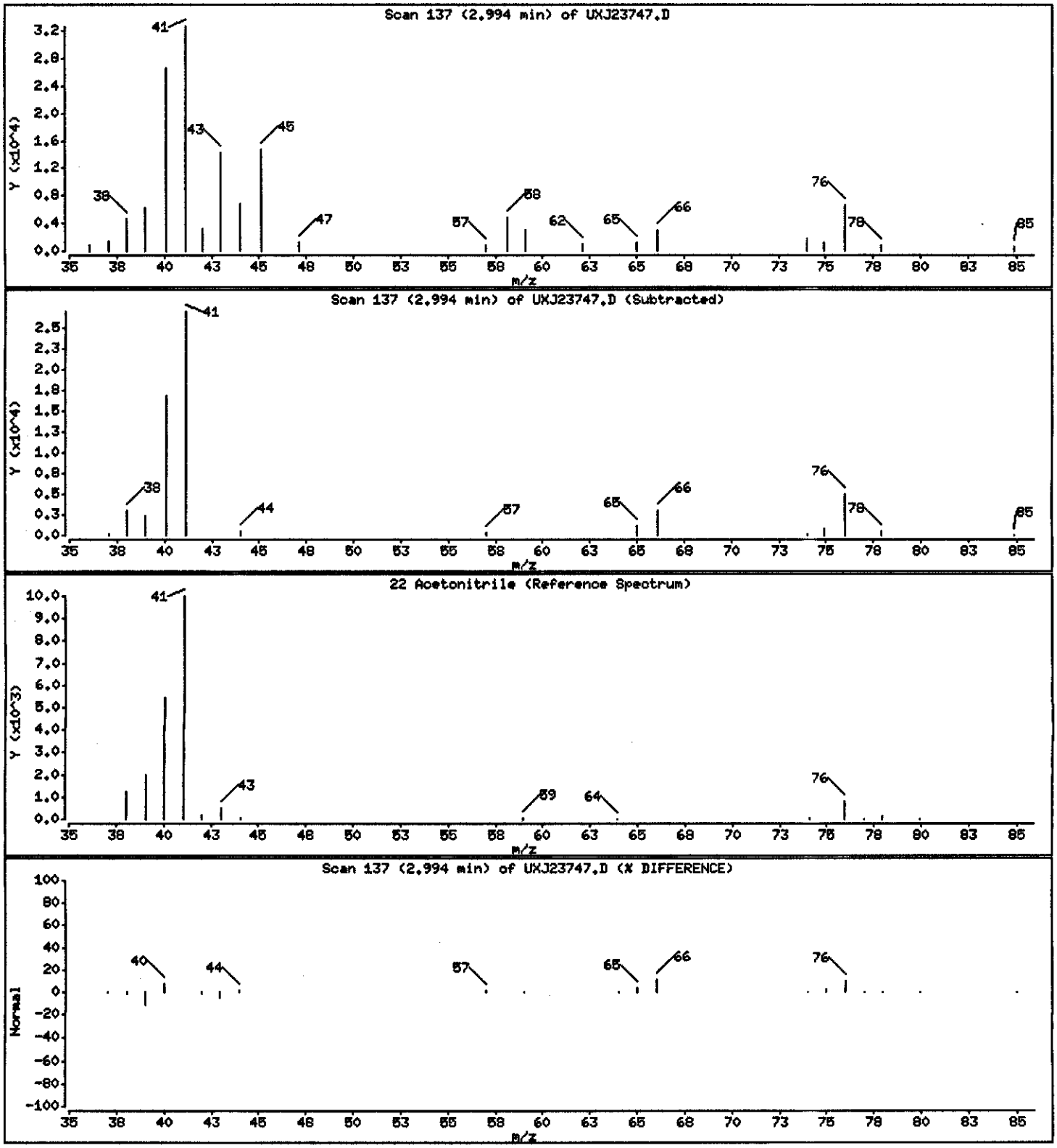
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

22 Acetonitrile Concentration: 54.359 ug/L



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Date : 03-SEP-2004 15:33

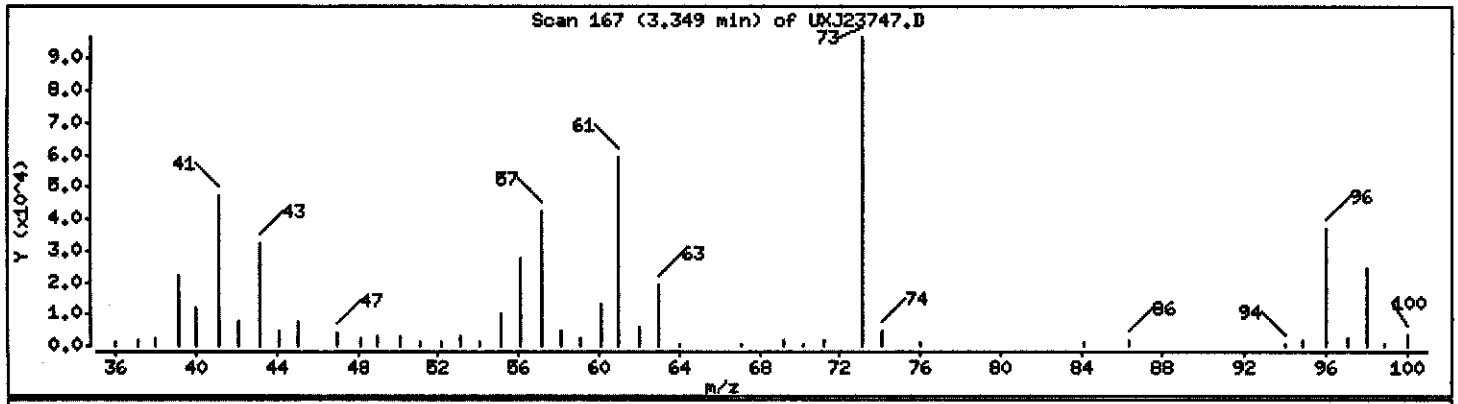
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

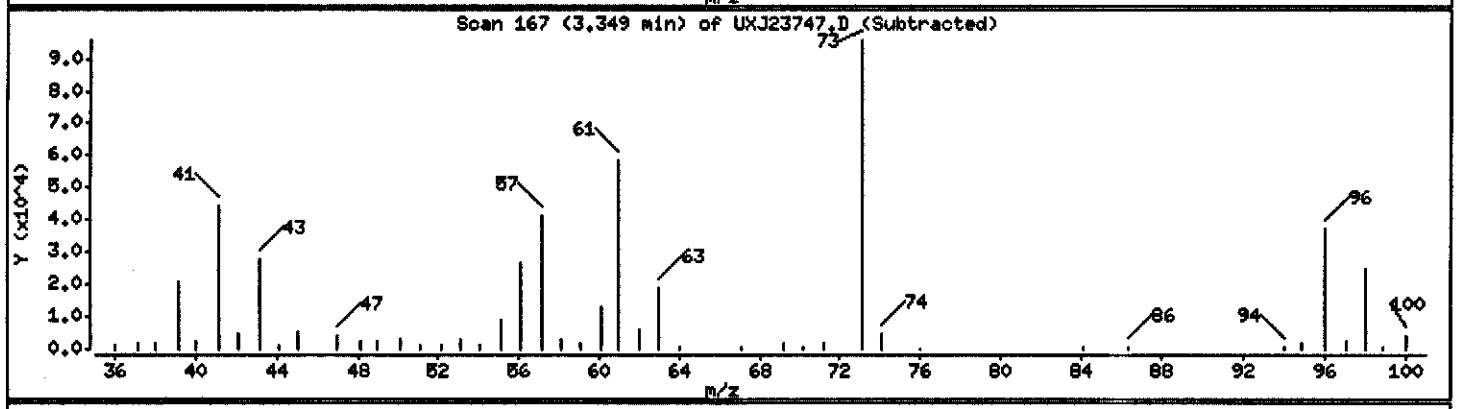
Sample Info: CPGDR2AA,1.75ML/5ML

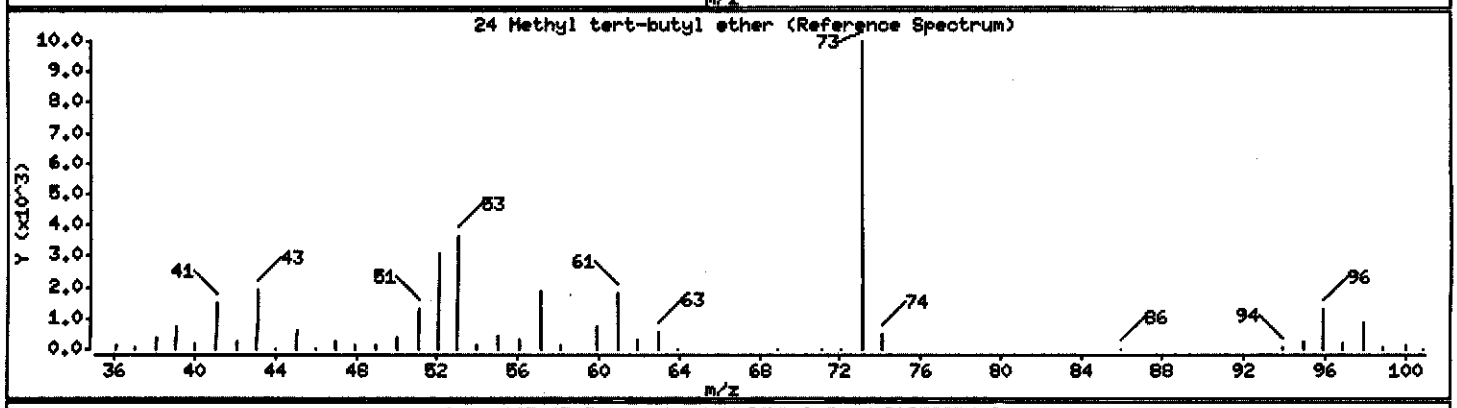
Purge Volume: 1.8 Operator: 43582

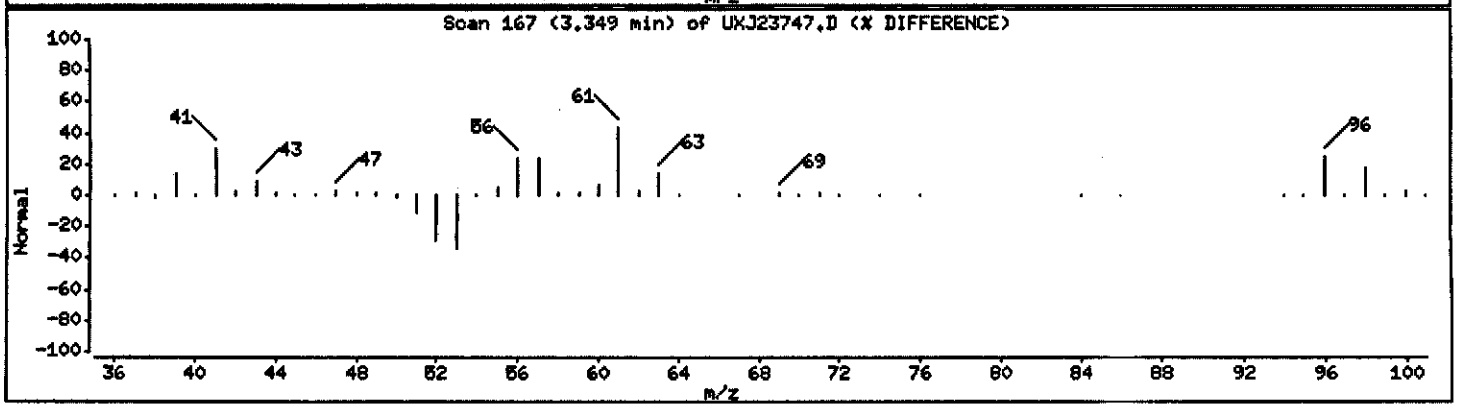
Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 5.802 ug/L









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Date : 03-SEP-2004 15:33

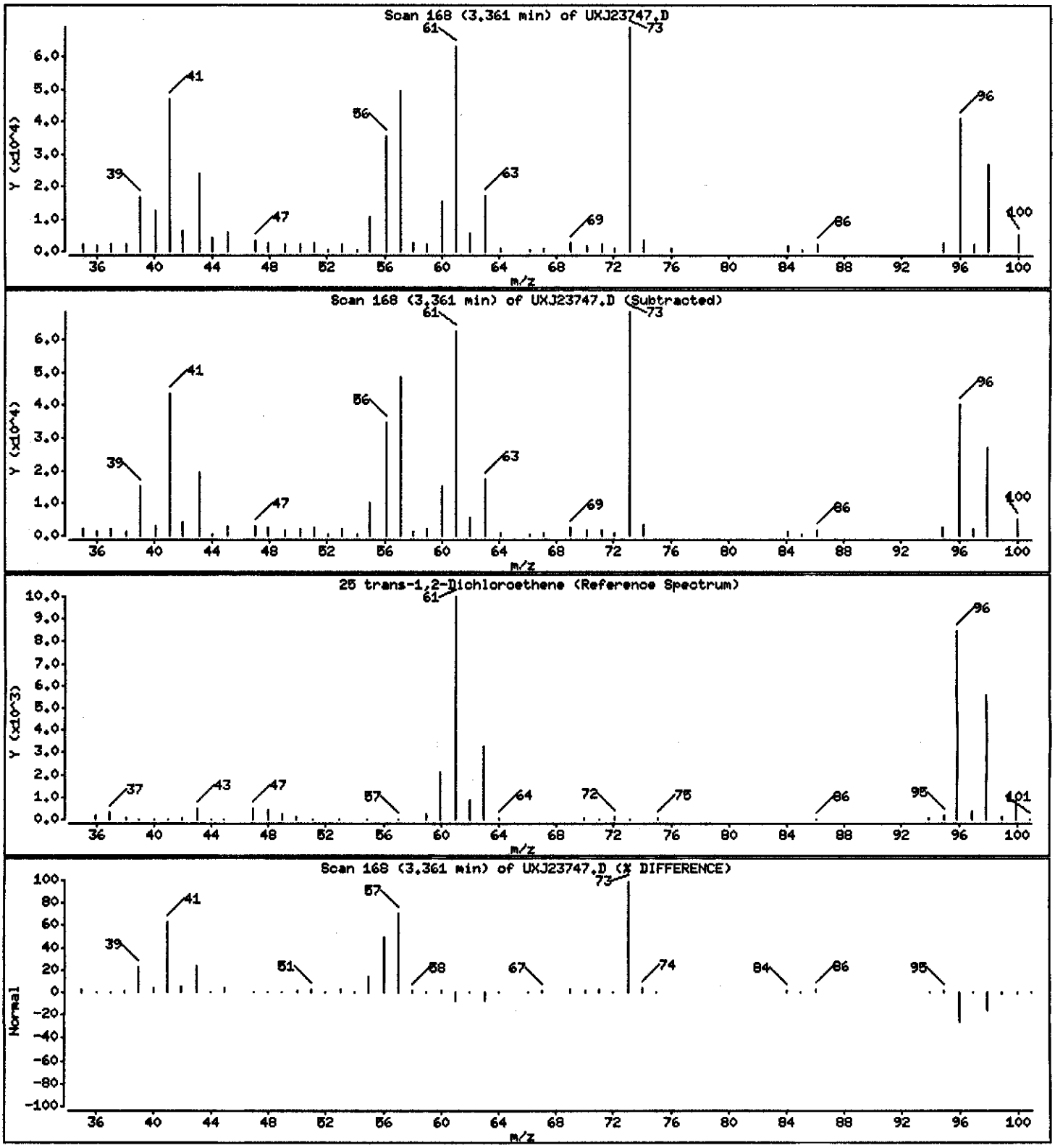
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

Sample Info: CPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

25 trans-1,2-Dichloroethene | Concentration: 5.452 ug/L



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Date : 03-SEP-2004 15:33

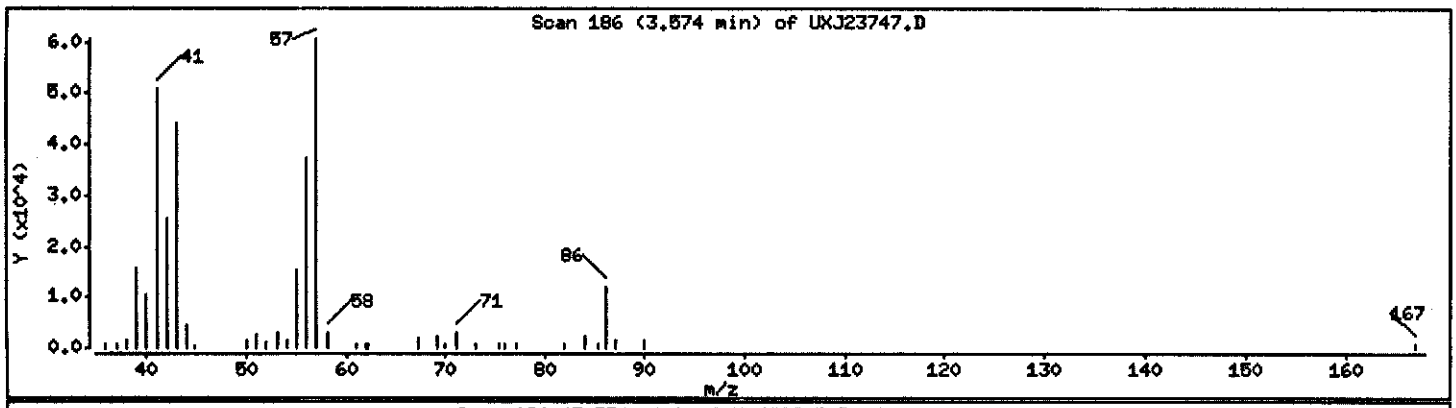
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

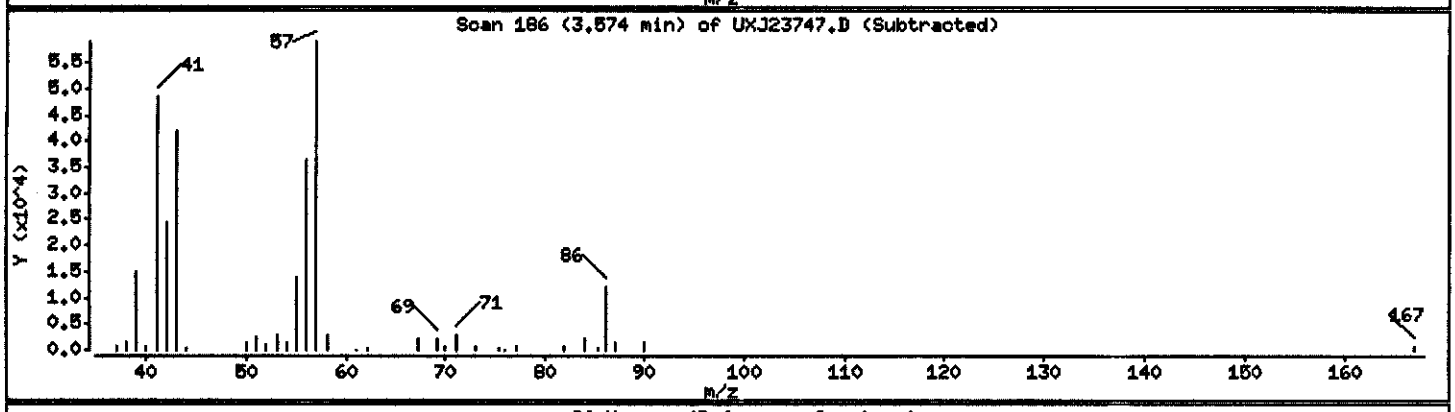
Sample Info: GPGDR2AA,1.75ML/5ML

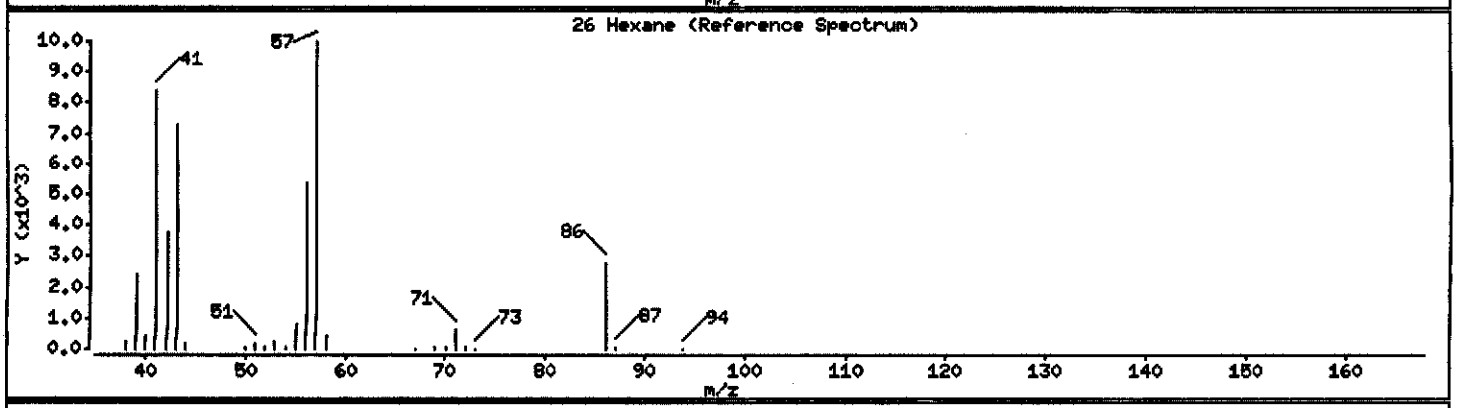
Purge Volume: 1.8 Operator: 43582

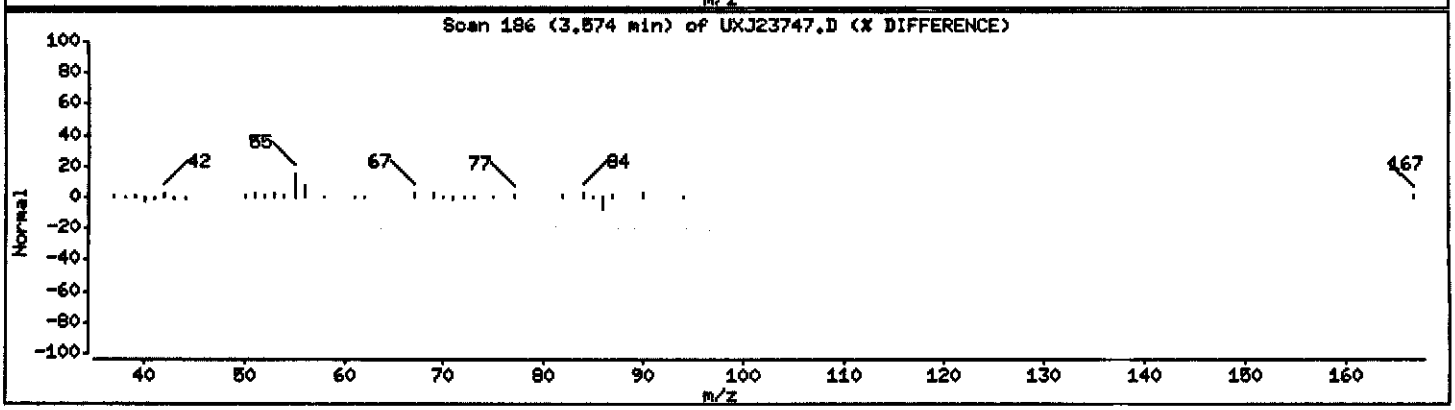
Column phase: DB624 Column diameter: 0.18

26 Hexane Concentration: 9.376 ug/L









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Date : 03-SEP-2004 15:33

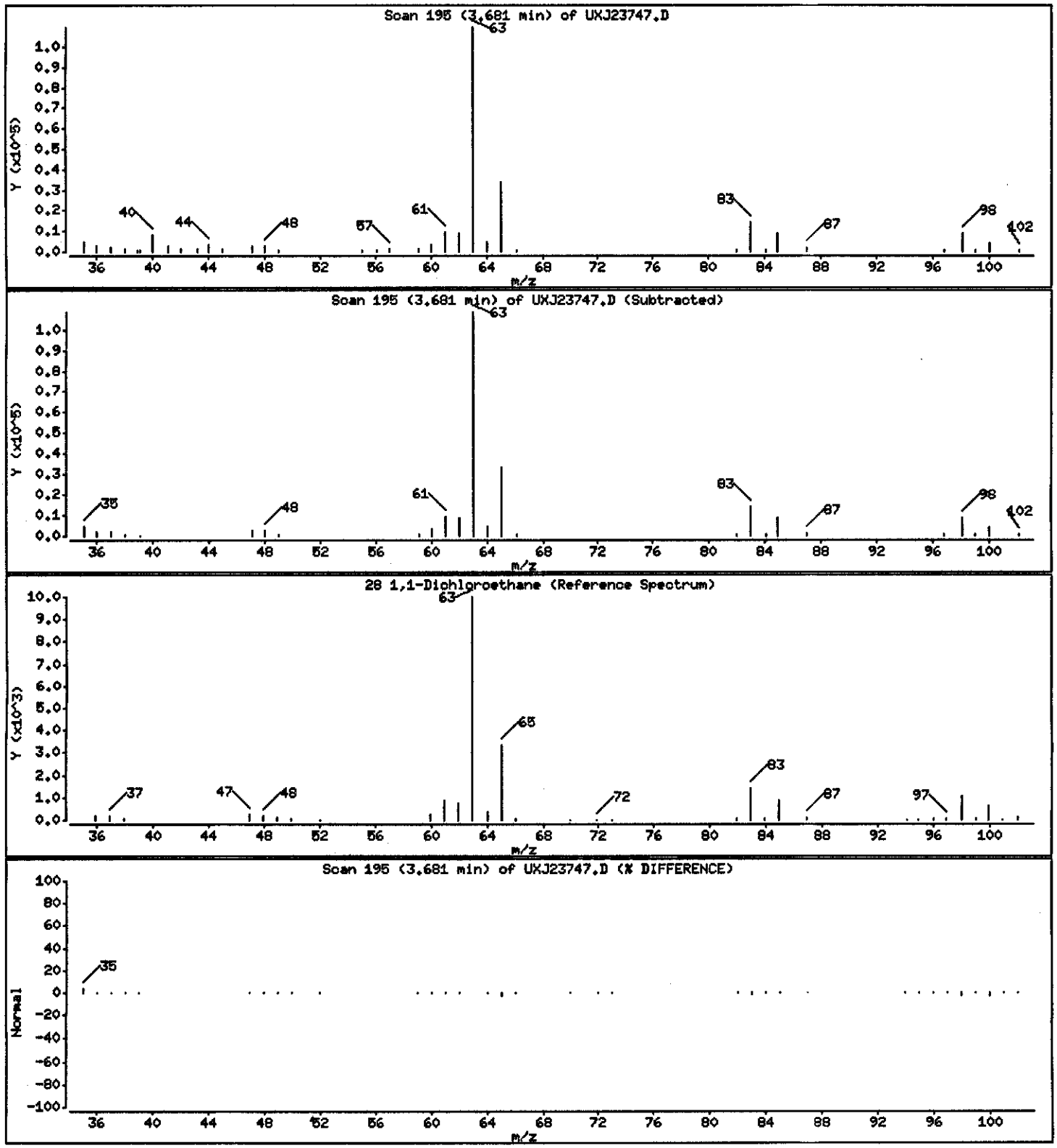
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 8.225 ug/L



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Date : 03-SEP-2004 15:33

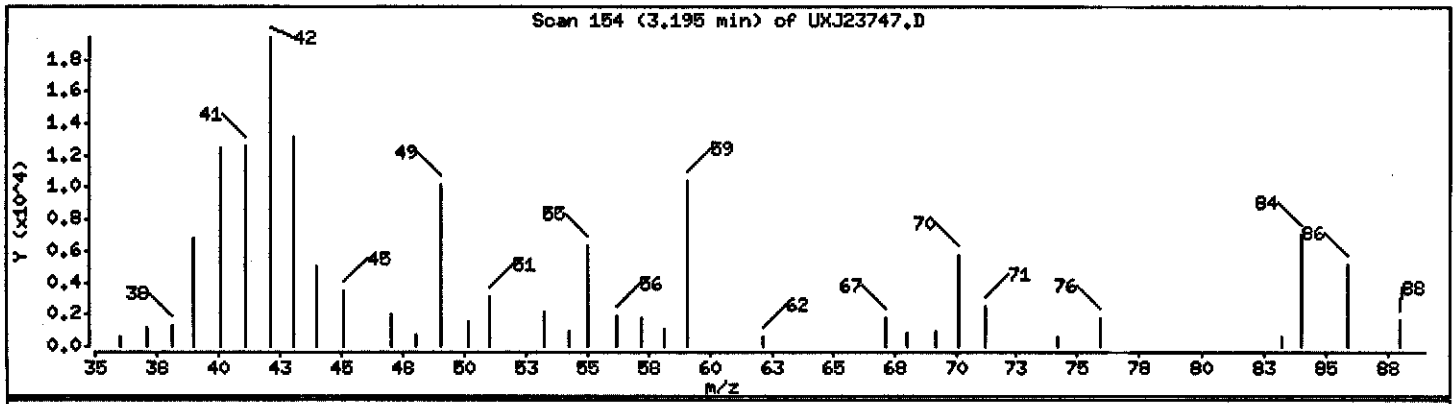
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

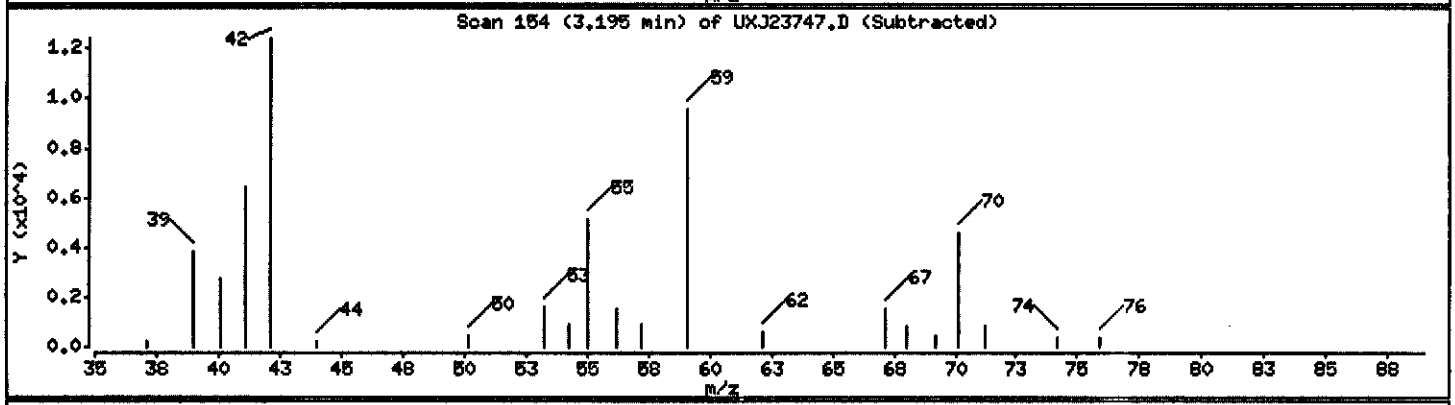
Sample Info: CPGDR2AA,1.75ML/5ML

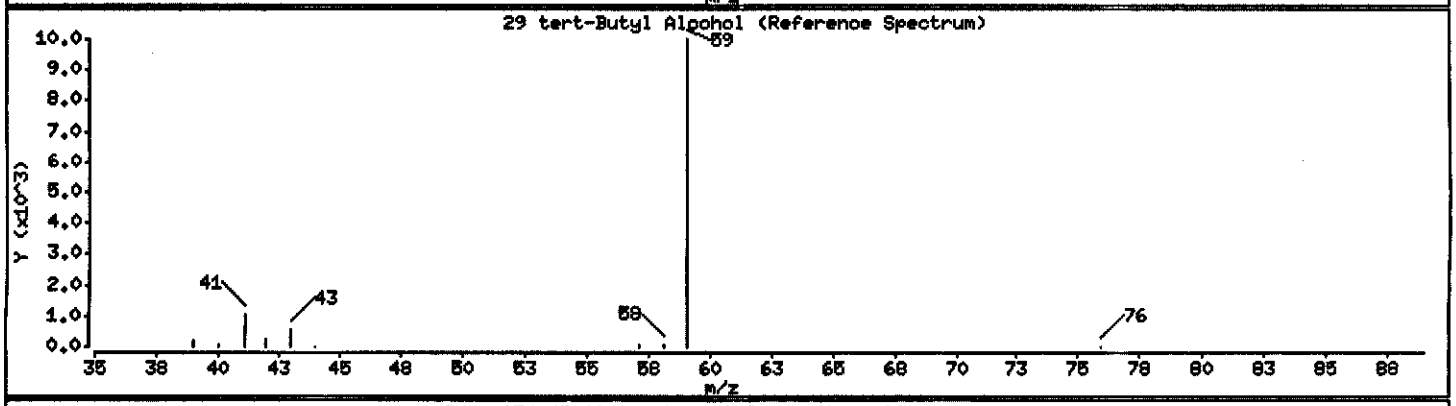
Purge Volume: 1.8 Operator: 43582

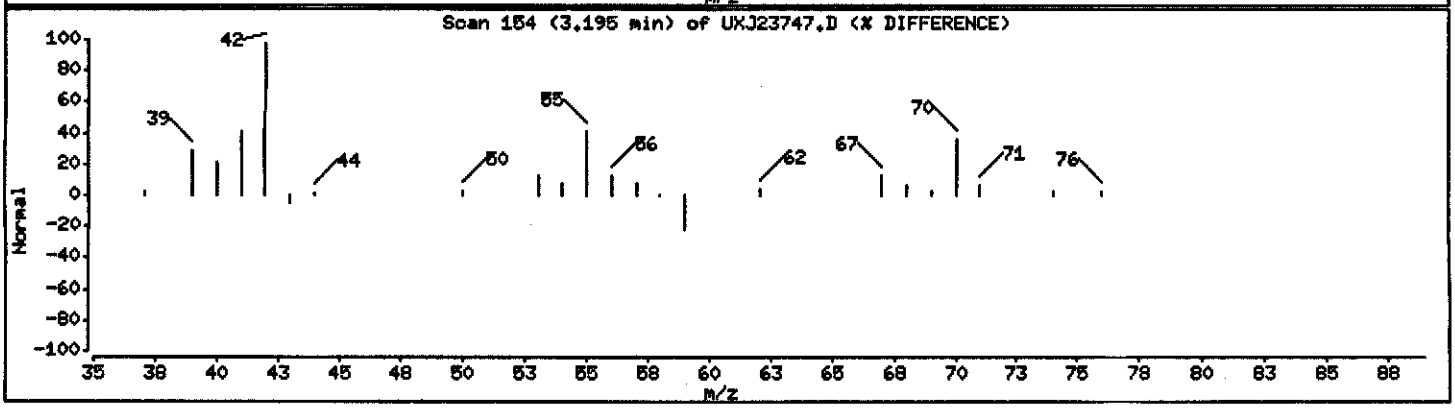
Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 20.319 ug/L









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Date : 03-SEP-2004 15:33

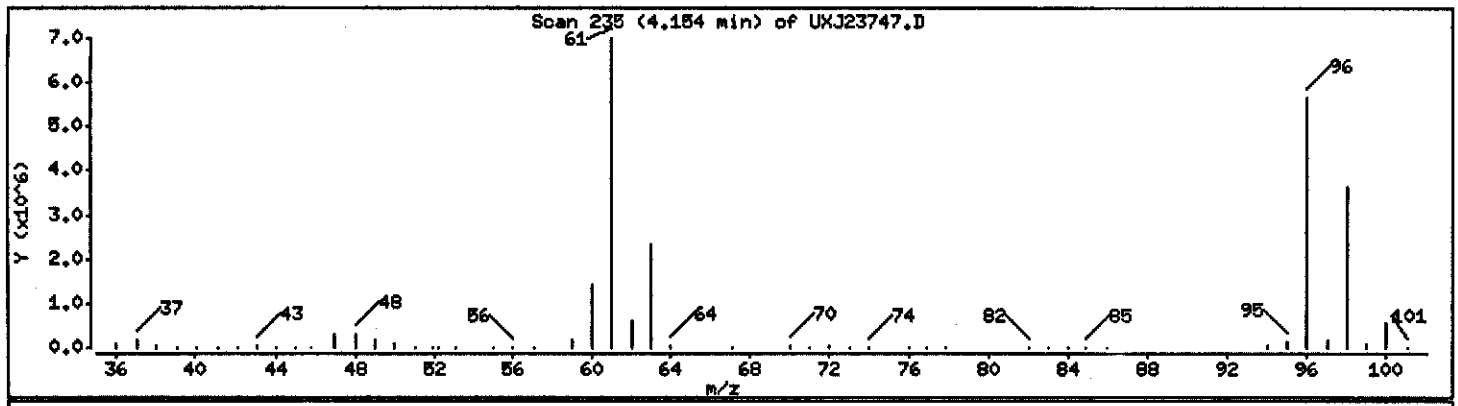
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

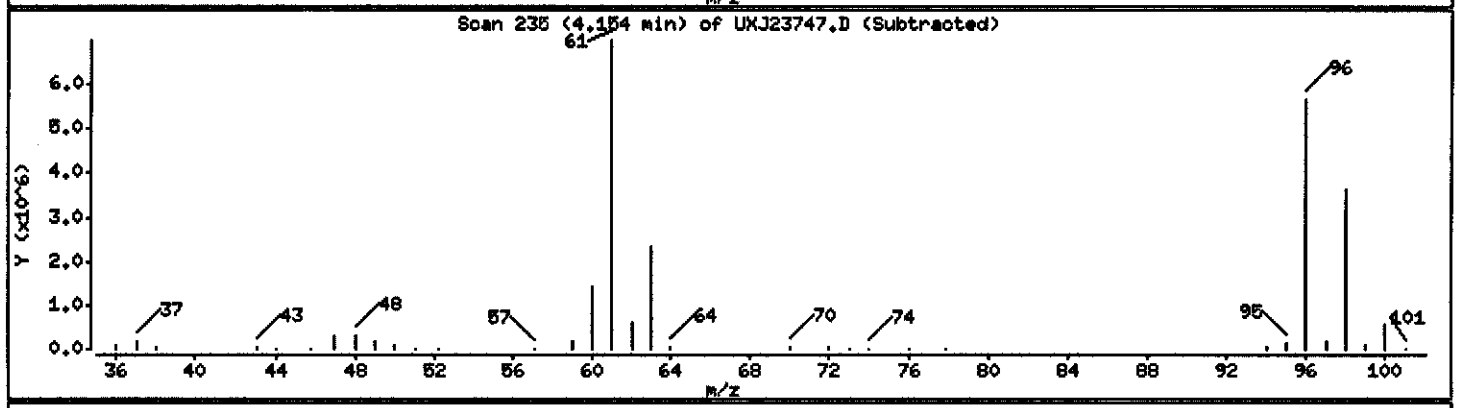
Sample Info: GPCDR2AA,1.75ML/5ML

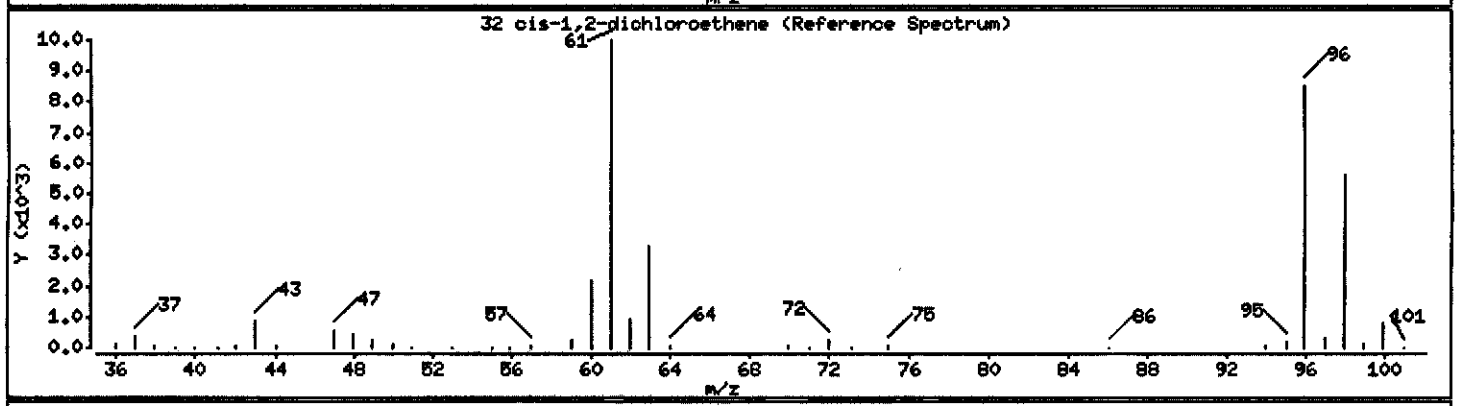
Purge Volume: 1.8 Operator: 43582

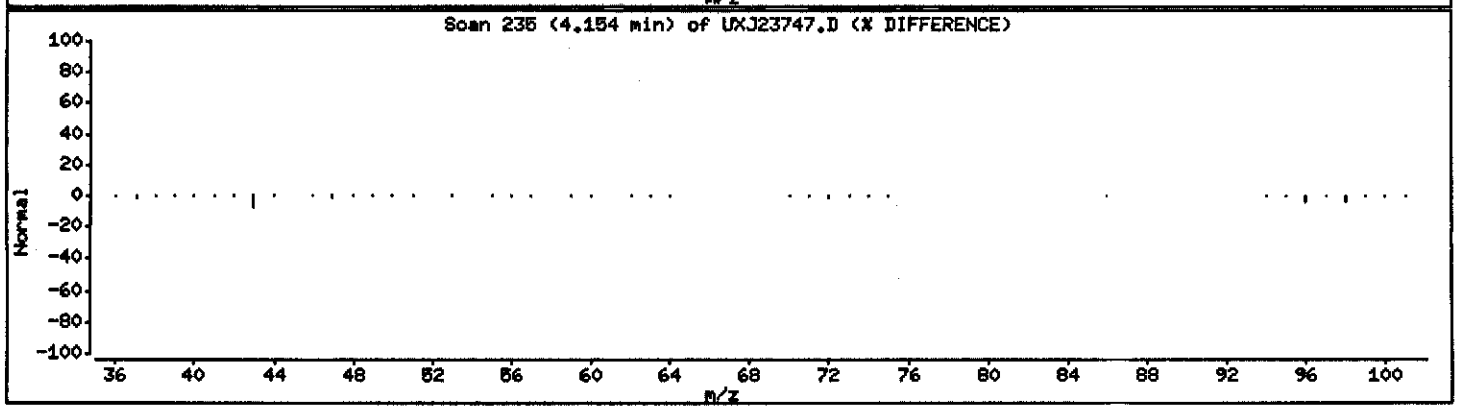
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 750.10 ug/L









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Date : 03-SEP-2004 15:33

Client ID: OUTFALL-WR/090104

Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8

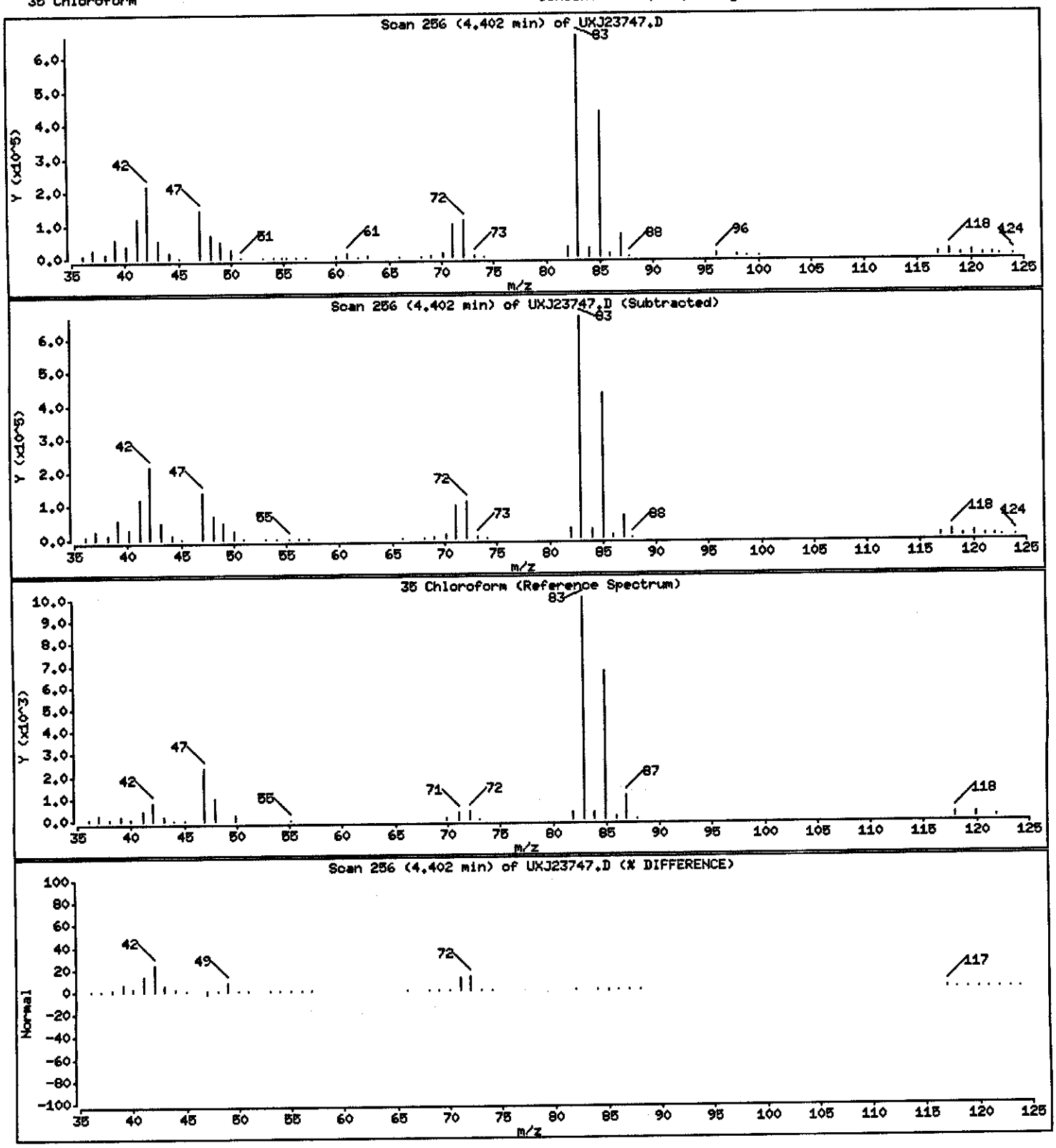
Operator: 43582

Column phase: DB624

Column diameter: 0.18

35 Chloroform

Concentration: 50.573 ug/L



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Date : 03-SEP-2004 15:33

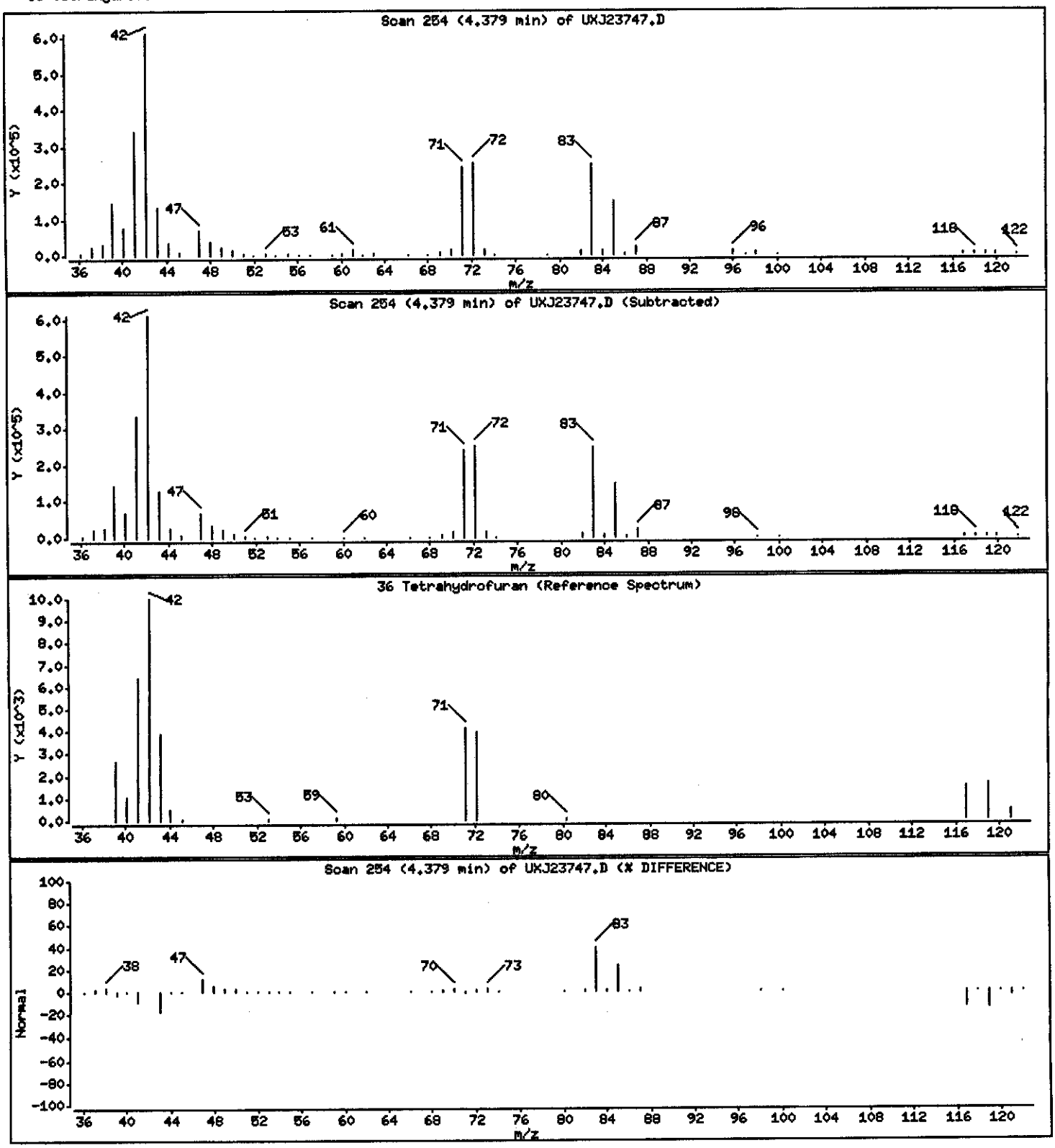
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 264.05 ug/L



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Date : 03-SEP-2004 15:33

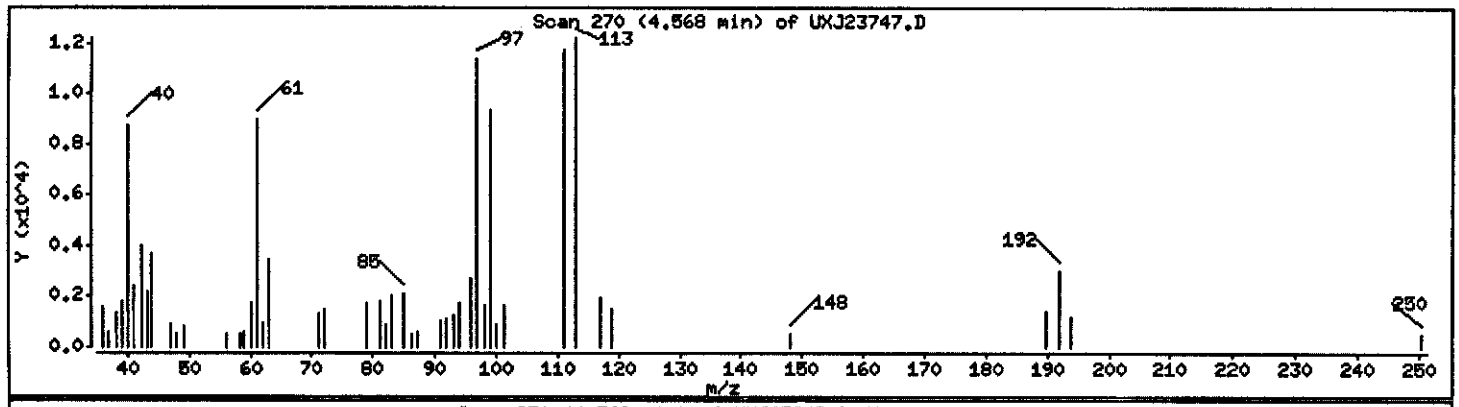
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

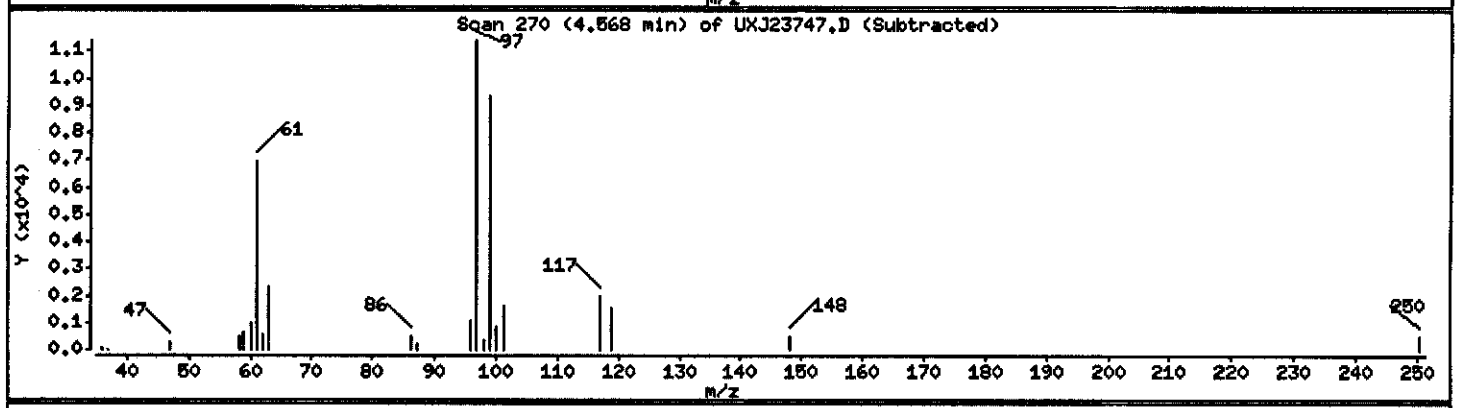
Sample Info: GPGDR2AA,1.75ML/5ML

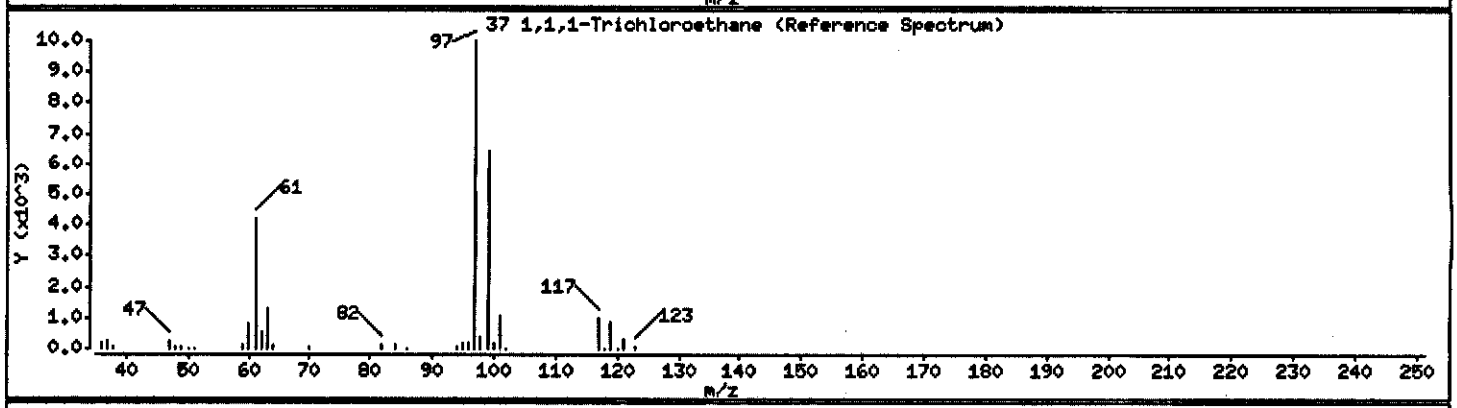
Purge Volume: 1.8 | Operator: 43582

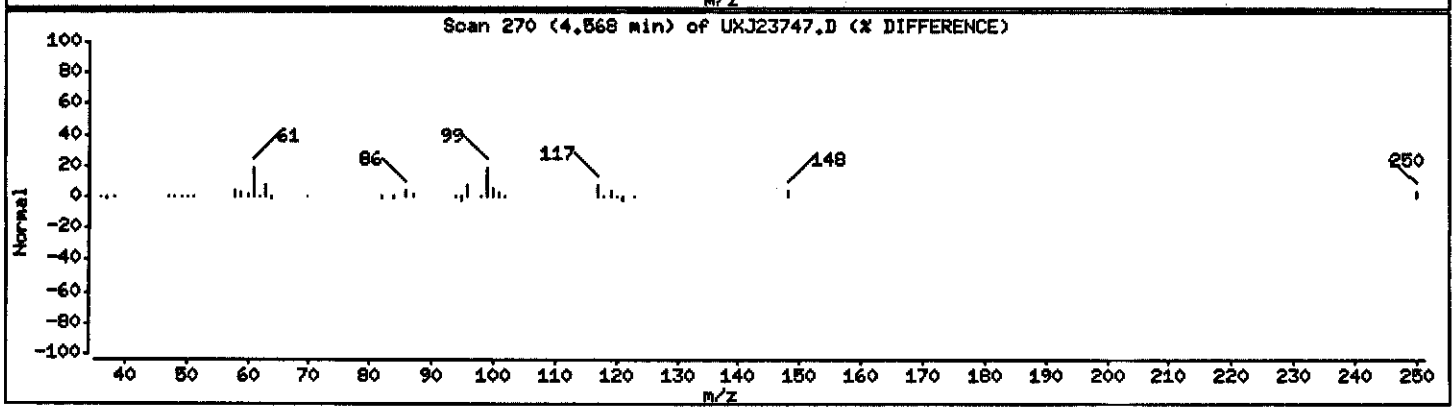
Column phase: DB624 | Column diameter: 0.18

37 1,1,1-Trichloroethane | Concentration: 1.469 ug/L









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Date : 03-SEP-2004 15:33

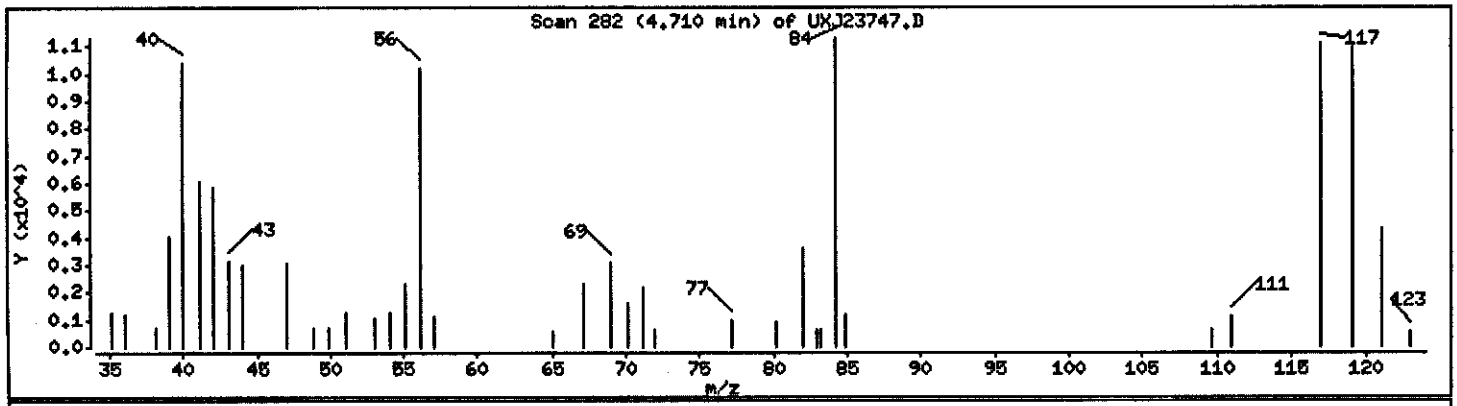
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

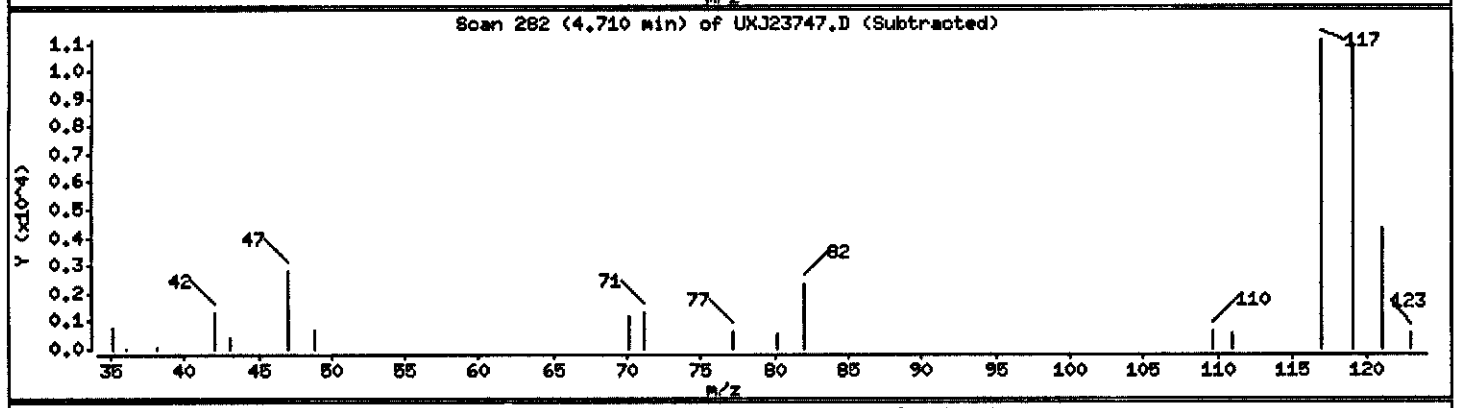
Sample Info: GPCDR2AA,1.75ML/5ML

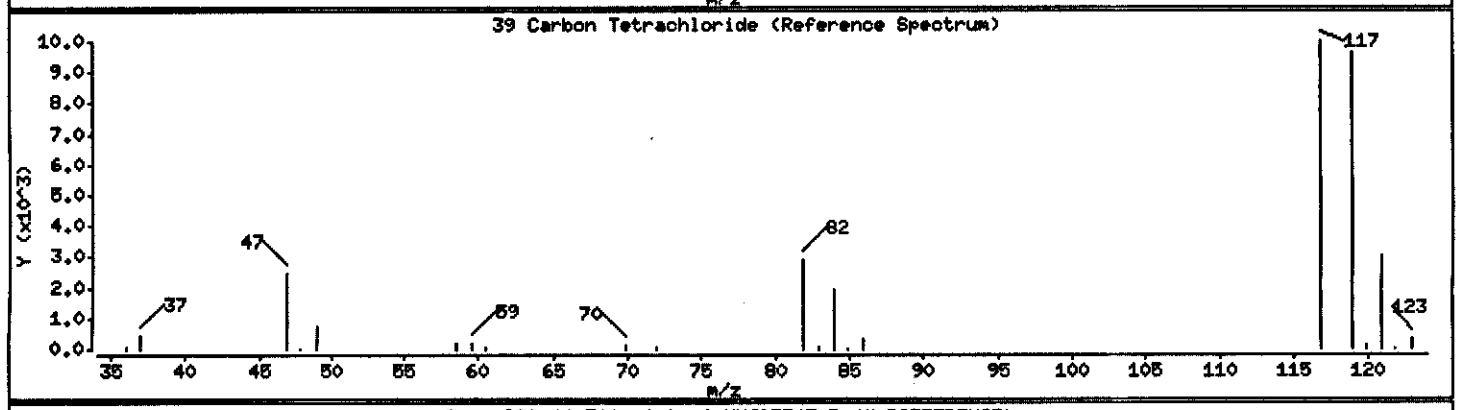
Purge Volume: 1.8 Operator: 43582

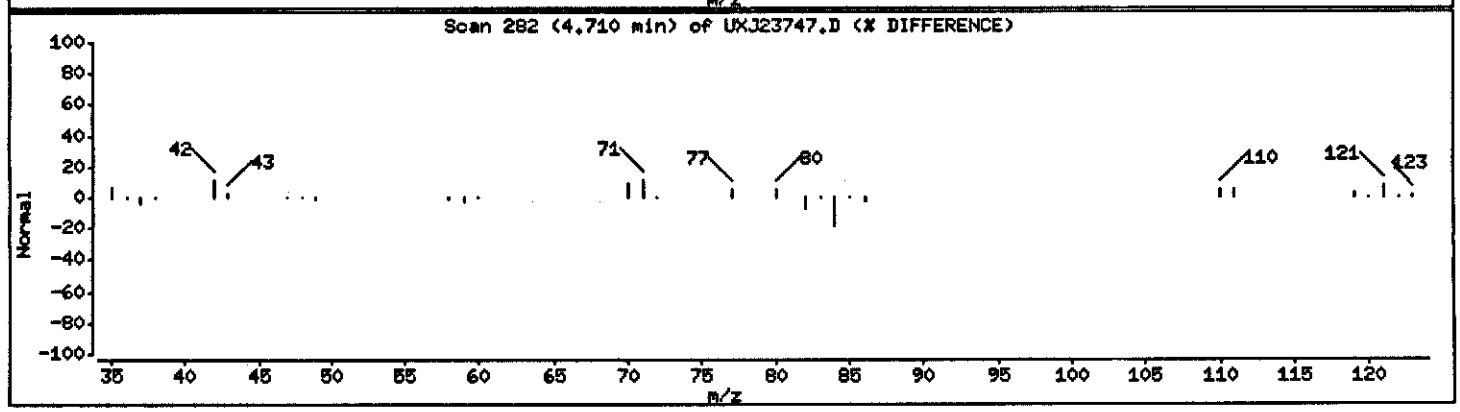
Column phase: DB624 Column diameter: 0.18

39 Carbon Tetrachloride Concentration: 2.152 ug/L









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Date : 03-SEP-2004 15:33

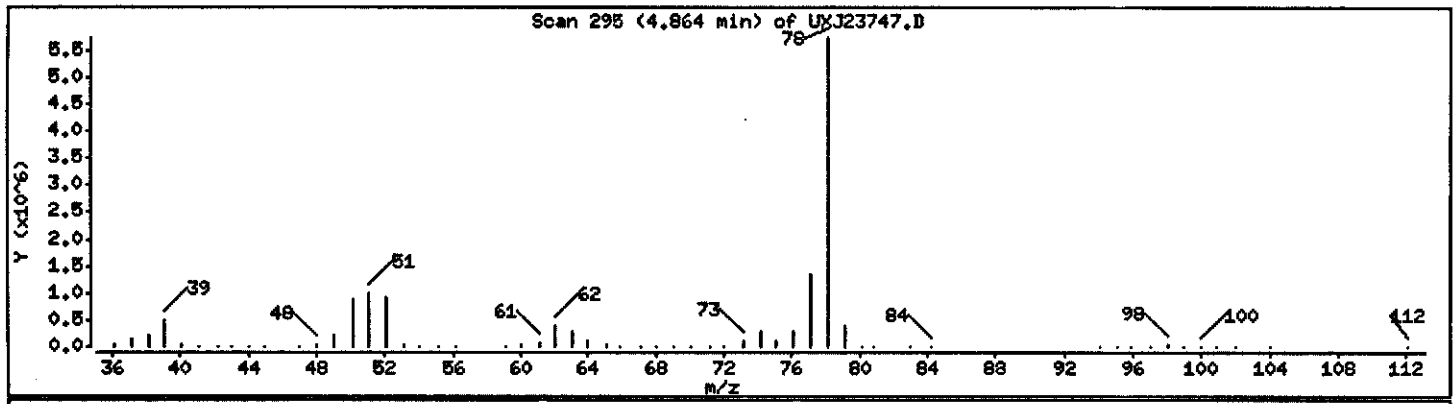
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

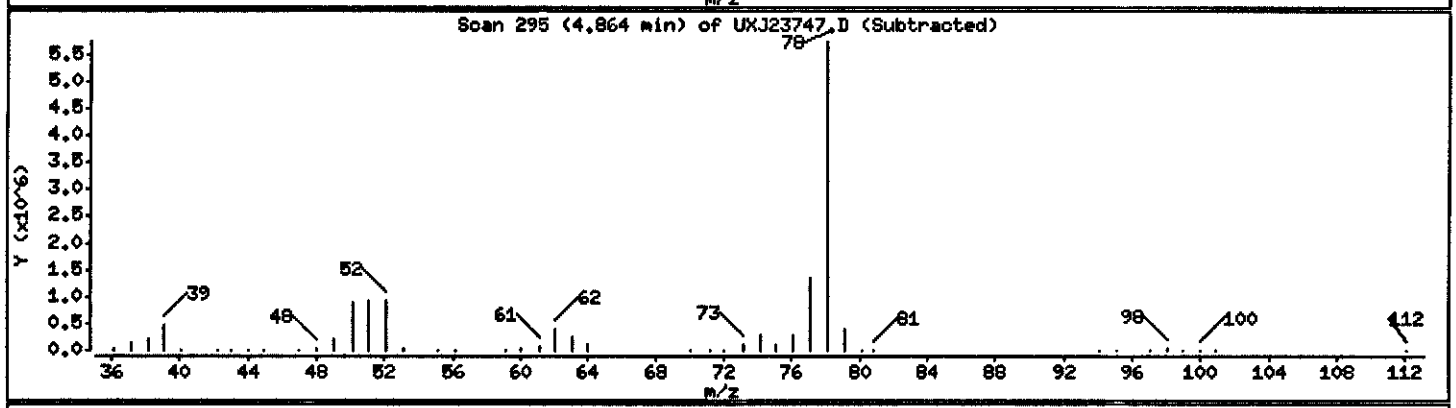
Sample Info: GPCDR2AA,1.75ML/5ML

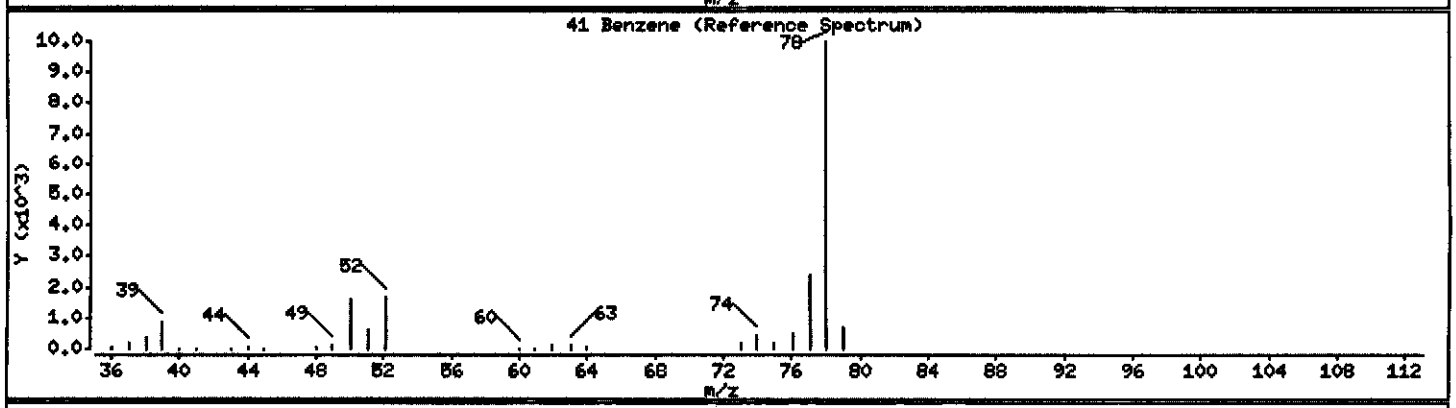
Purge Volume: 1.8 Operator: 43582

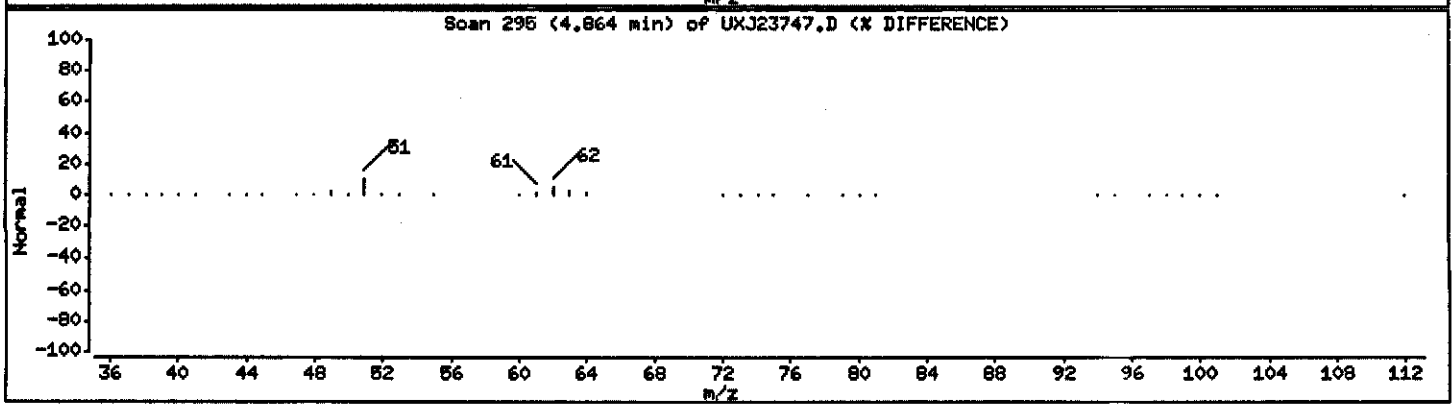
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 169.55 ug/L









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Date : 03-SEP-2004 15:33

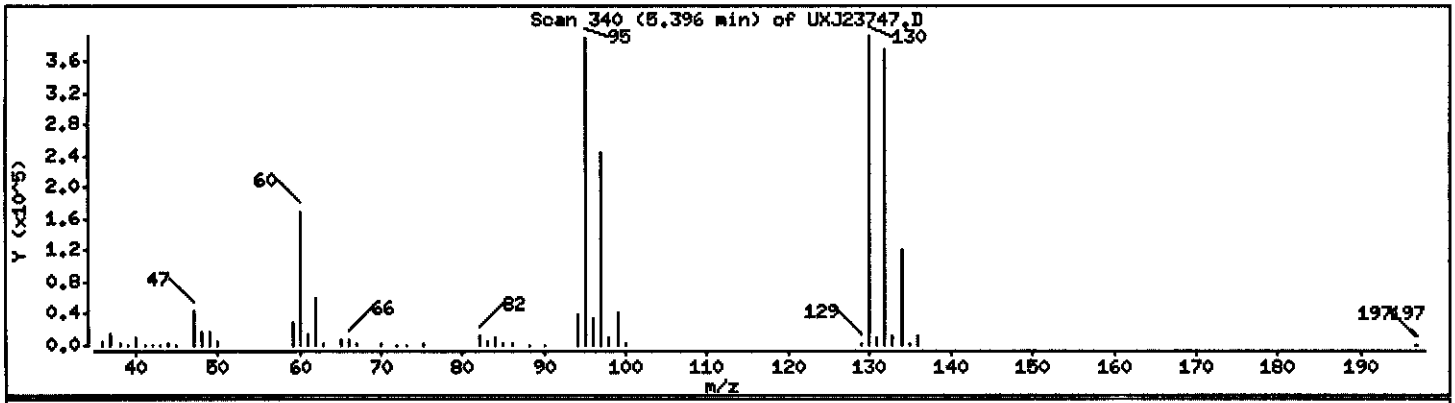
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

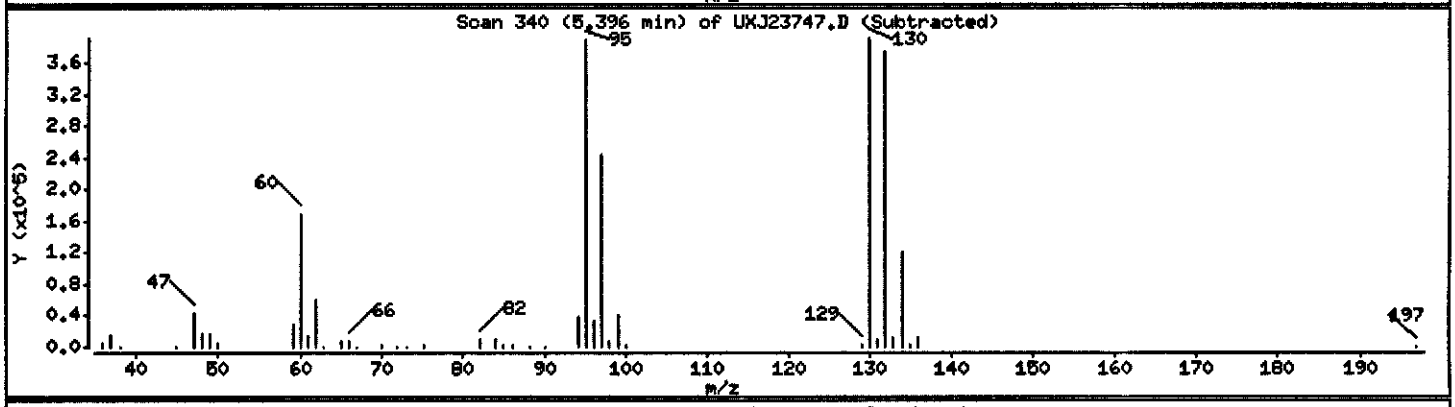
Sample Info: CPCDR2AA,1.75ML/5ML

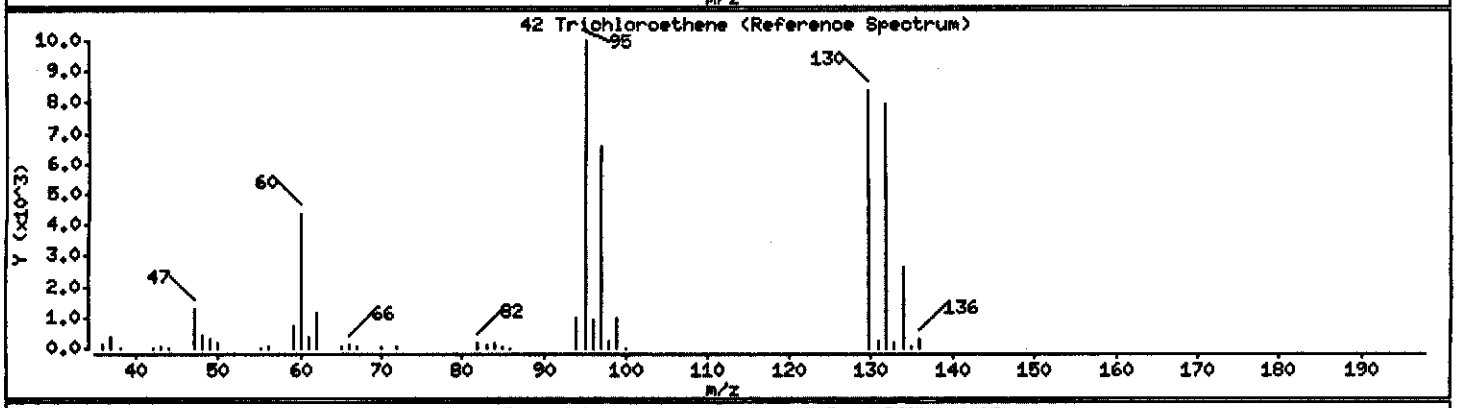
Purge Volume: 1.8 | Operator: 43582

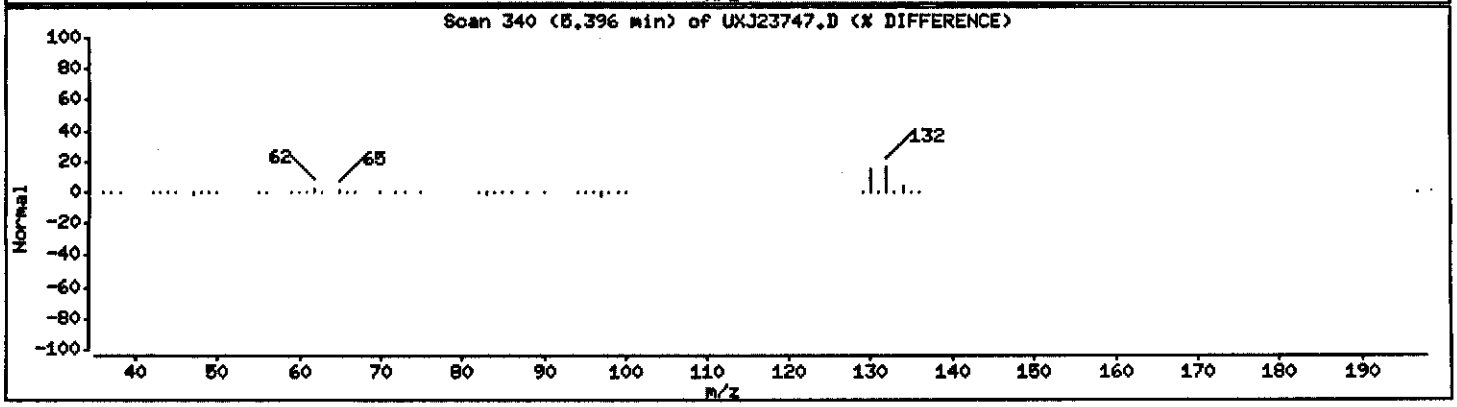
Column phase: DB624 | Column diameter: 0.18

42 Trichloroethene | Concentration: 49.428 ug/L









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Date : 03-SEP-2004 15:33

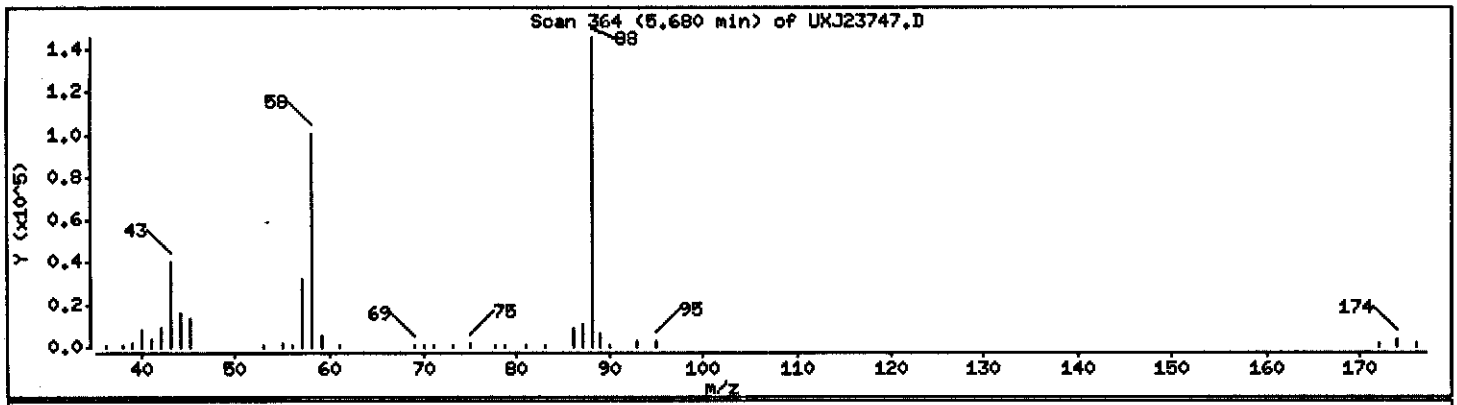
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

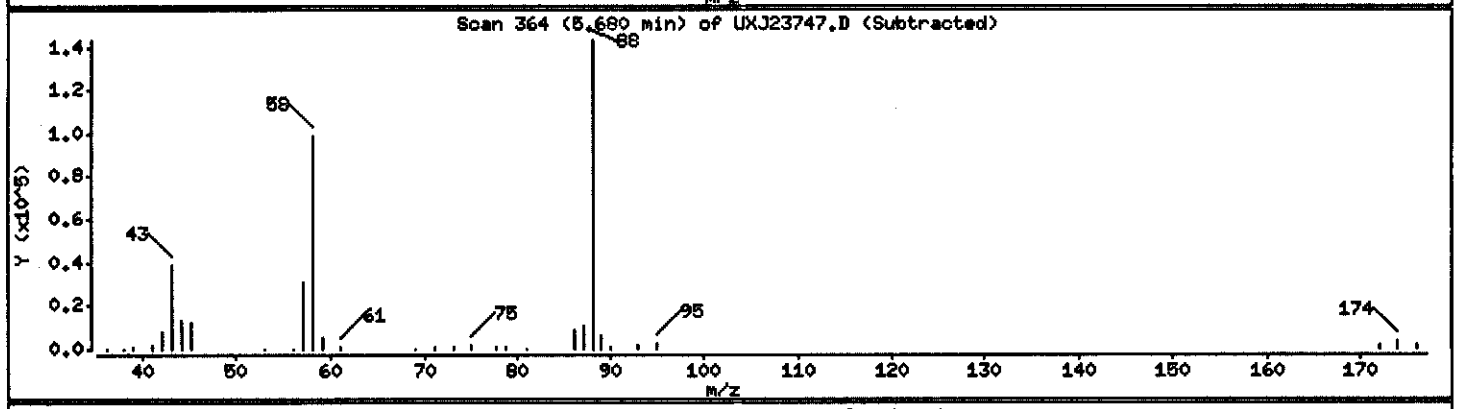
Sample Info: GPCDR2AA,1.75ML/5ML

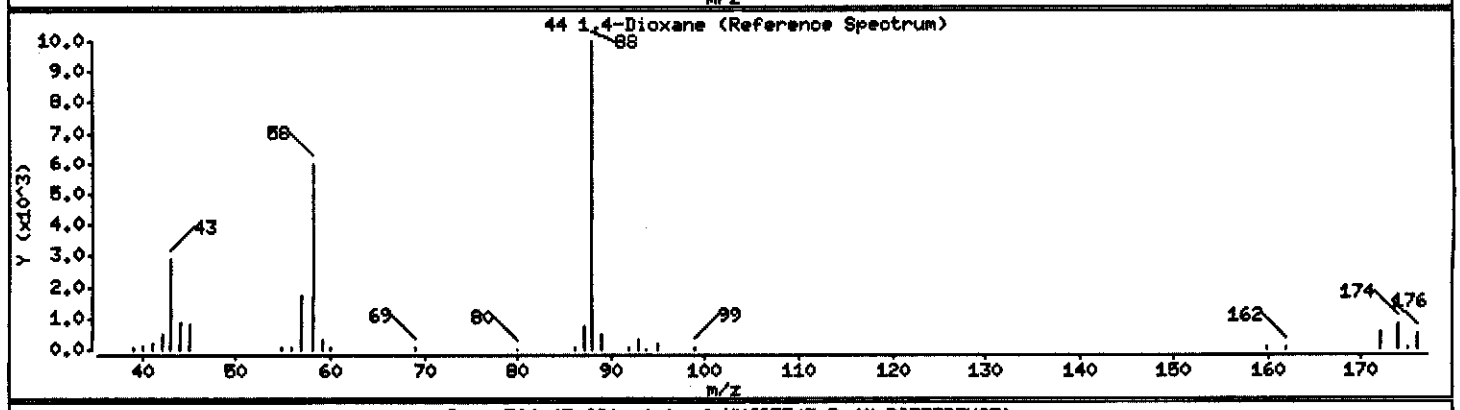
Purge Volume: 1.8 Operator: 43582

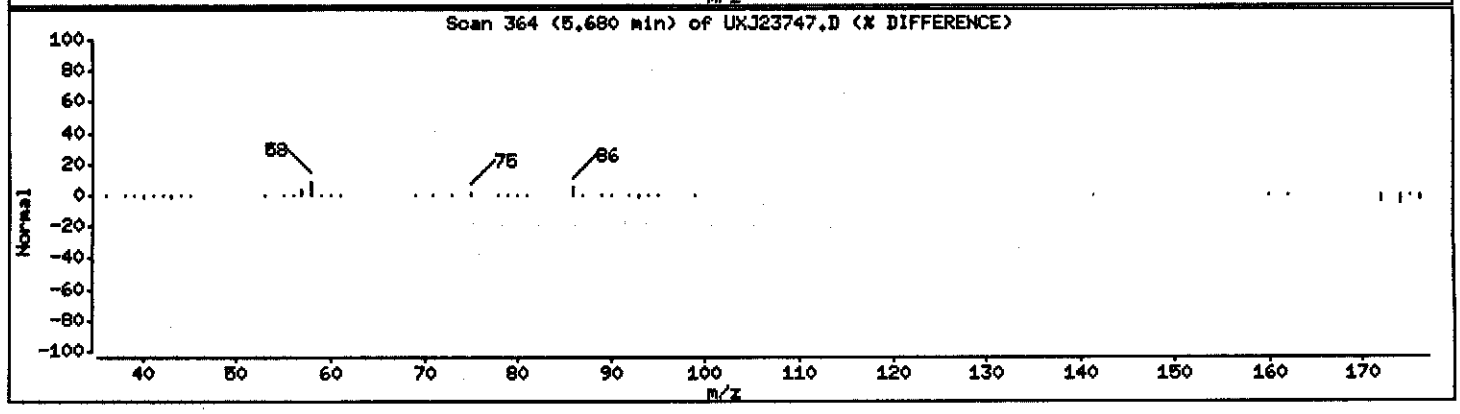
Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 1945.1 ug/L









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Date : 03-SEP-2004 15:33

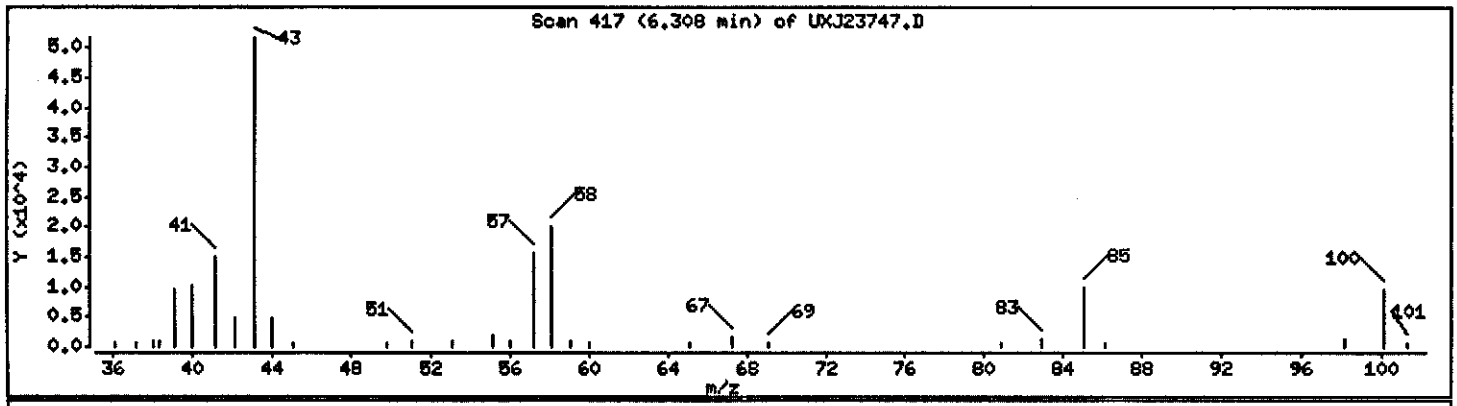
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

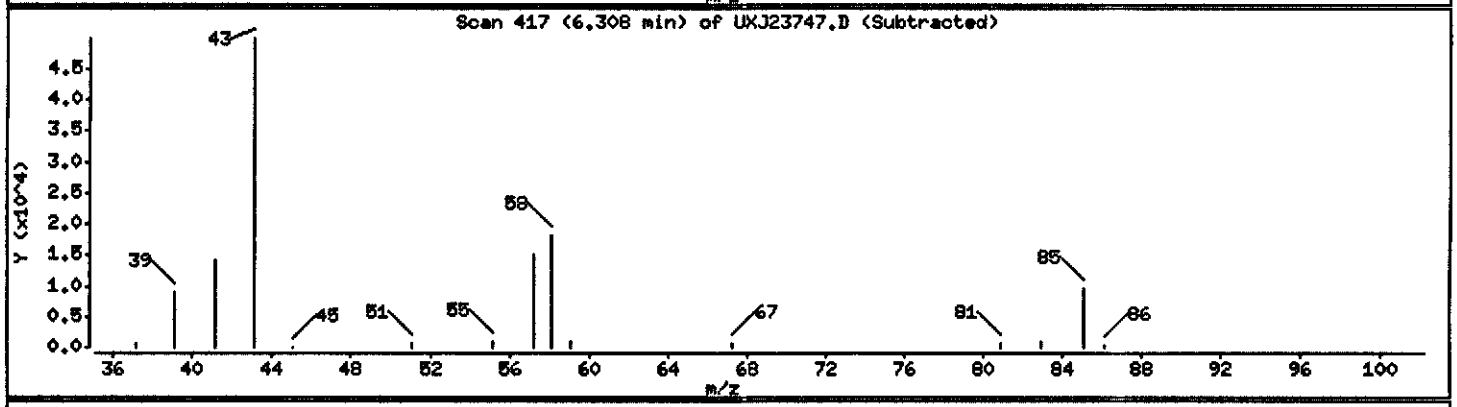
Sample Info: GPGDR2AA,1.75ML/5ML

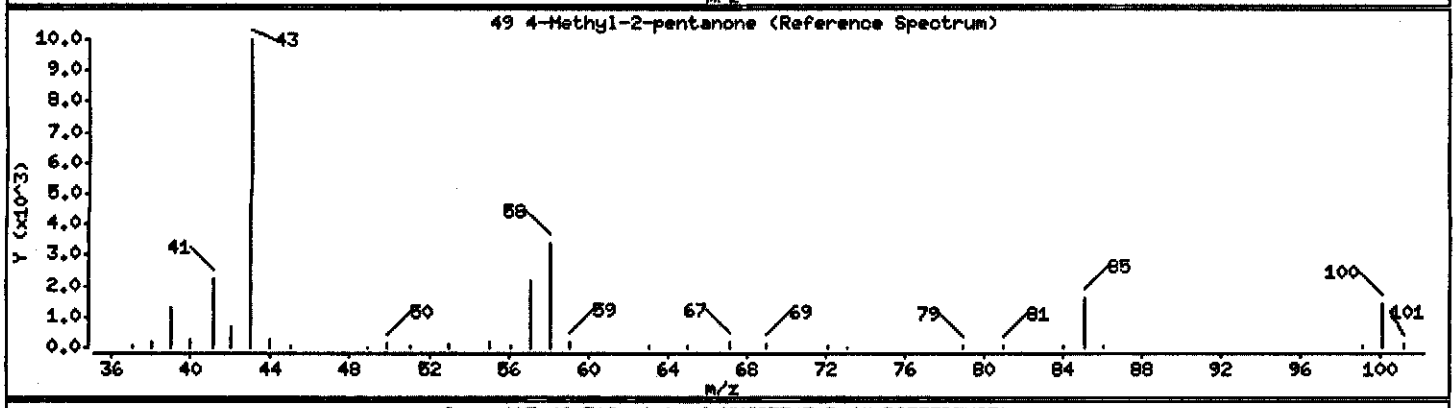
Purge Volume: 1.8 Operator: 43582

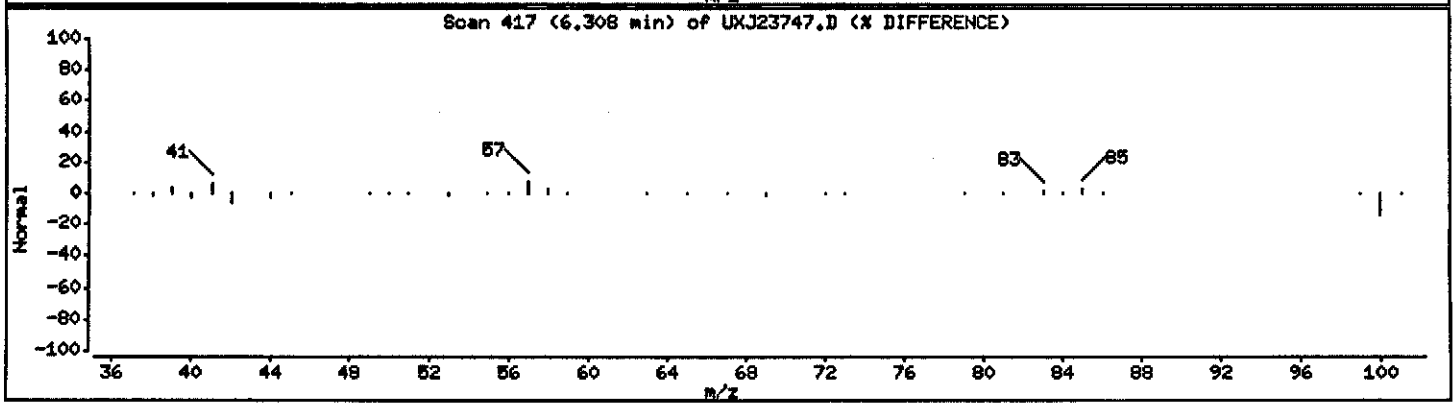
Column phase: DB624 Column diameter: 0.18

49 4-Methyl-2-pentanone Concentration: 7.031 ug/L









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Date : 03-SEP-2004 15:33

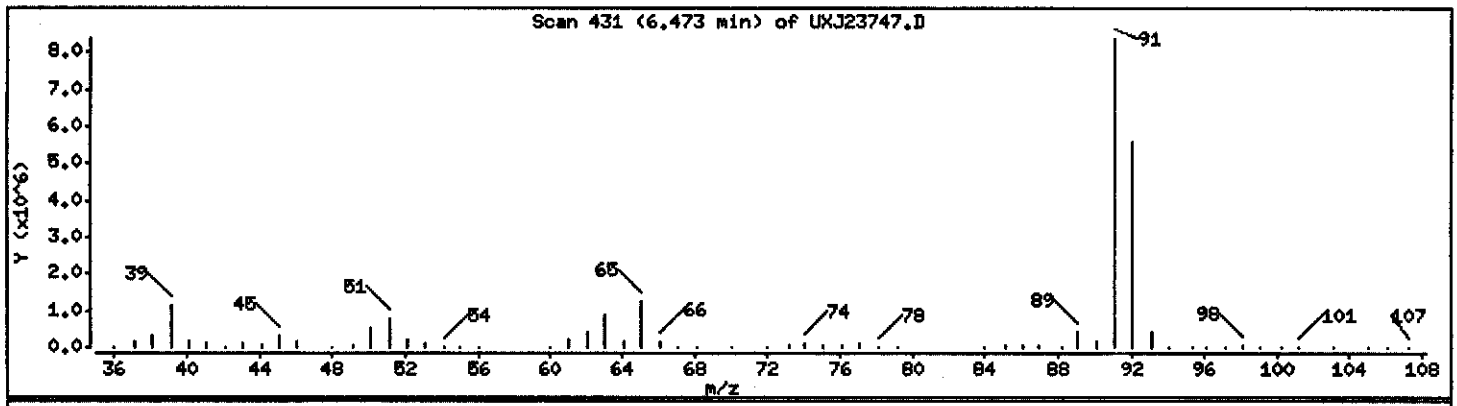
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

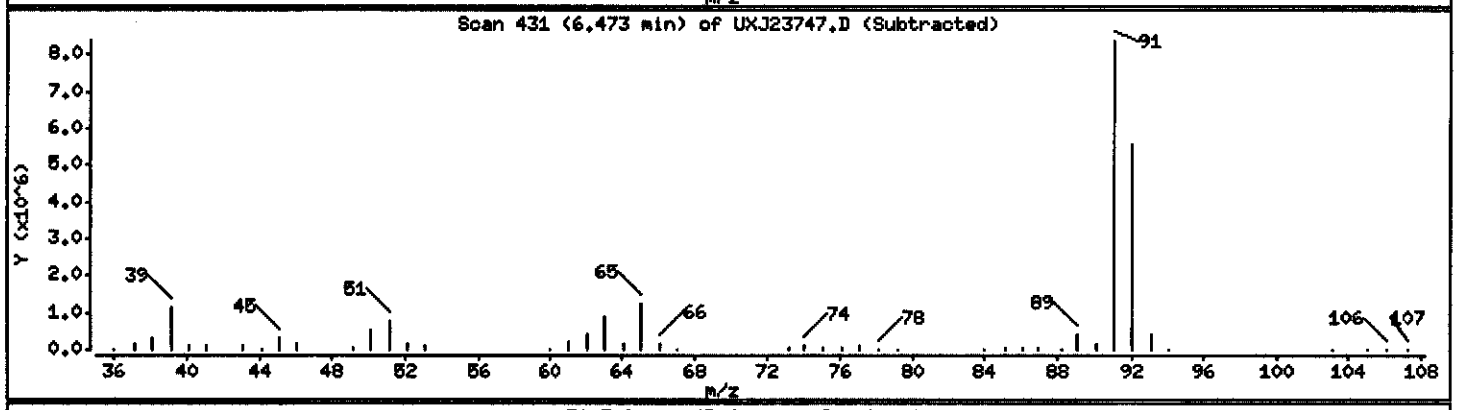
Sample Info: GPCDR2AA,1.75ML/5ML

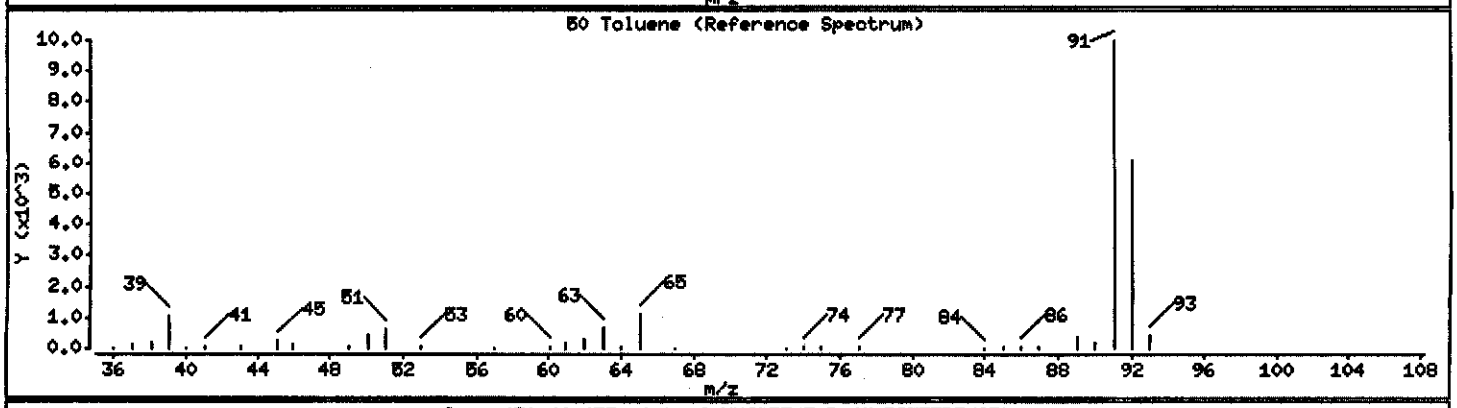
Purge Volume: 1.8 Operator: 43582

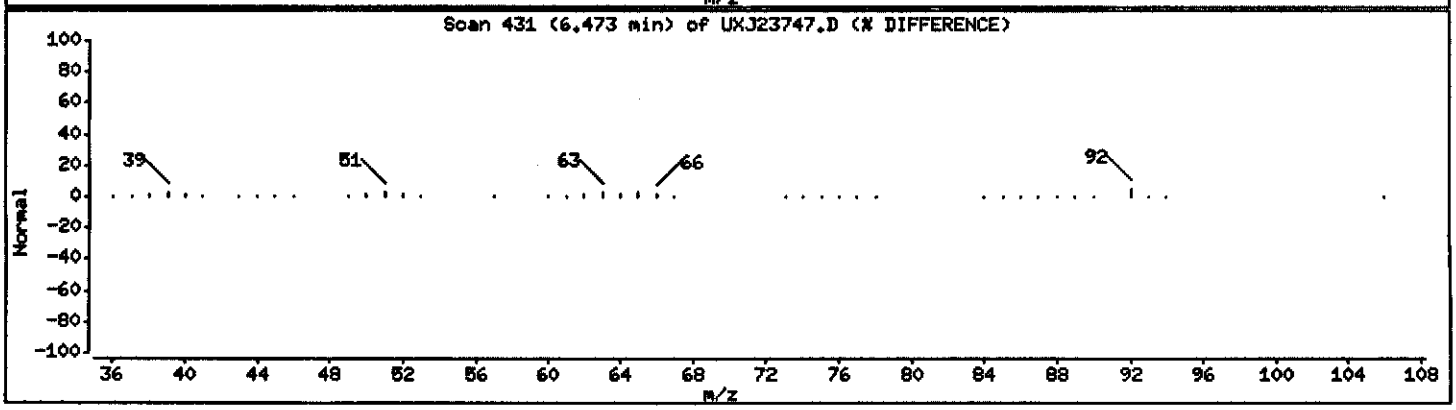
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 404.02 ug/L









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Date : 03-SEP-2004 15:33

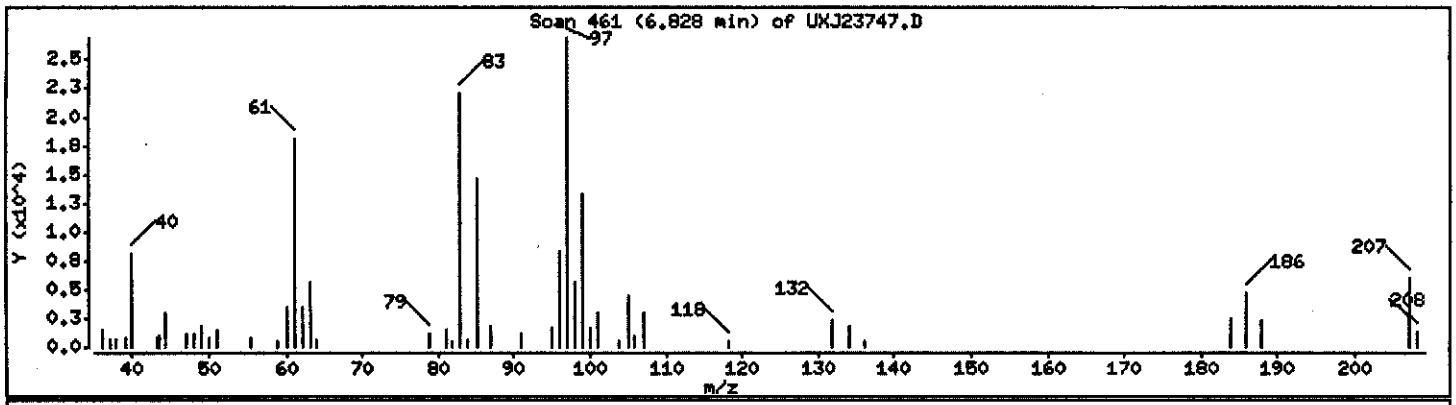
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

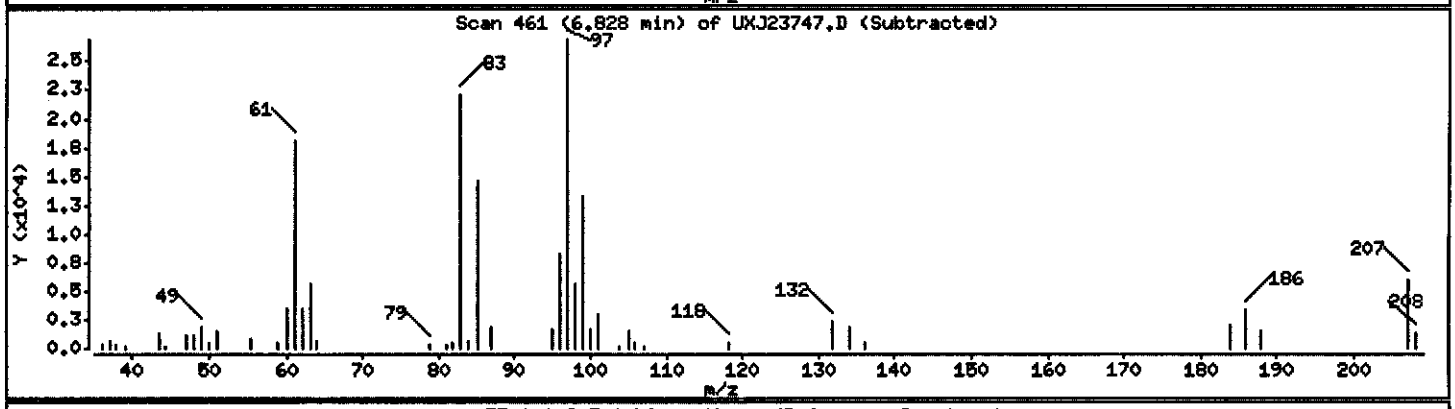
Sample Info: GPGDR2AA,1.75ML/5ML

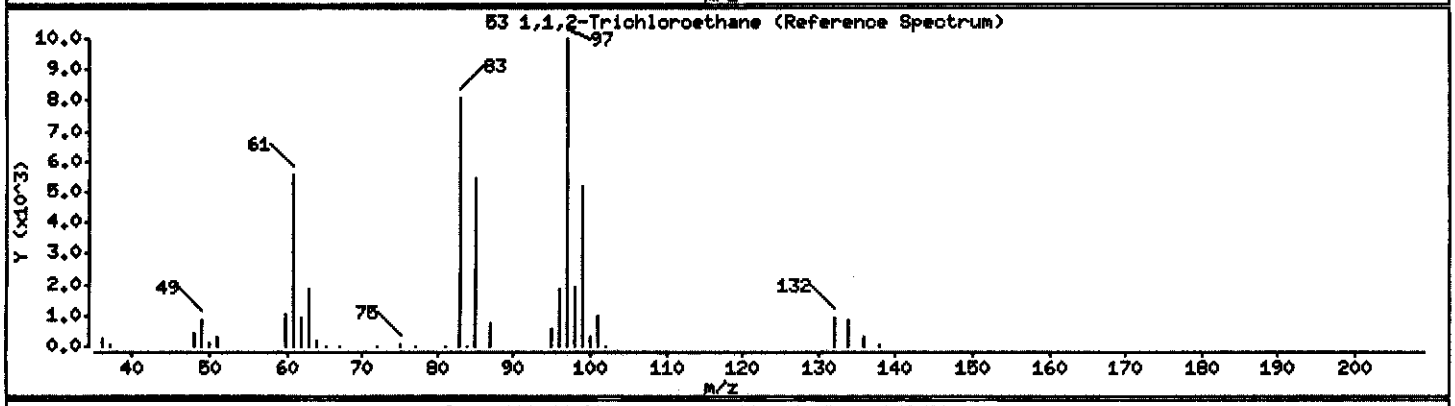
Purge Volume: 1.8 Operator: 43582

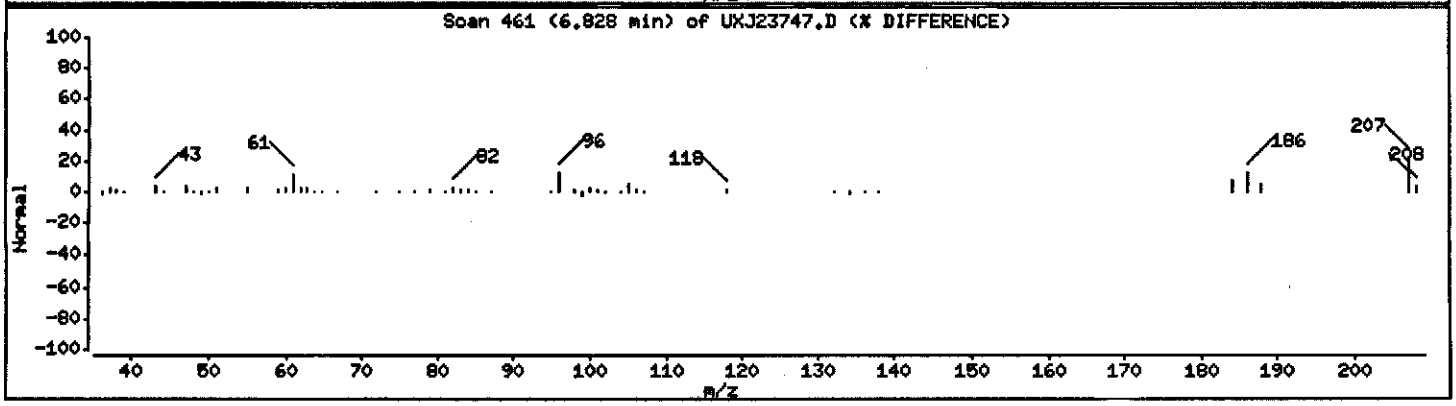
Column phase: DB624 Column diameter: 0.18

53 1,1,2-Trichloroethane Concentration: 3.183 ug/L









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Date : 03-SEP-2004 15:33

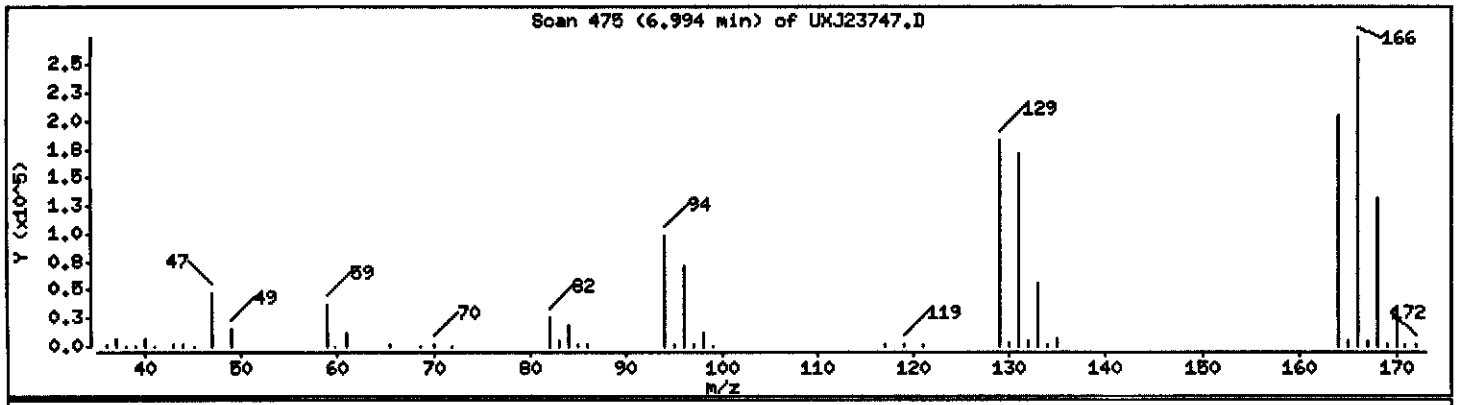
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

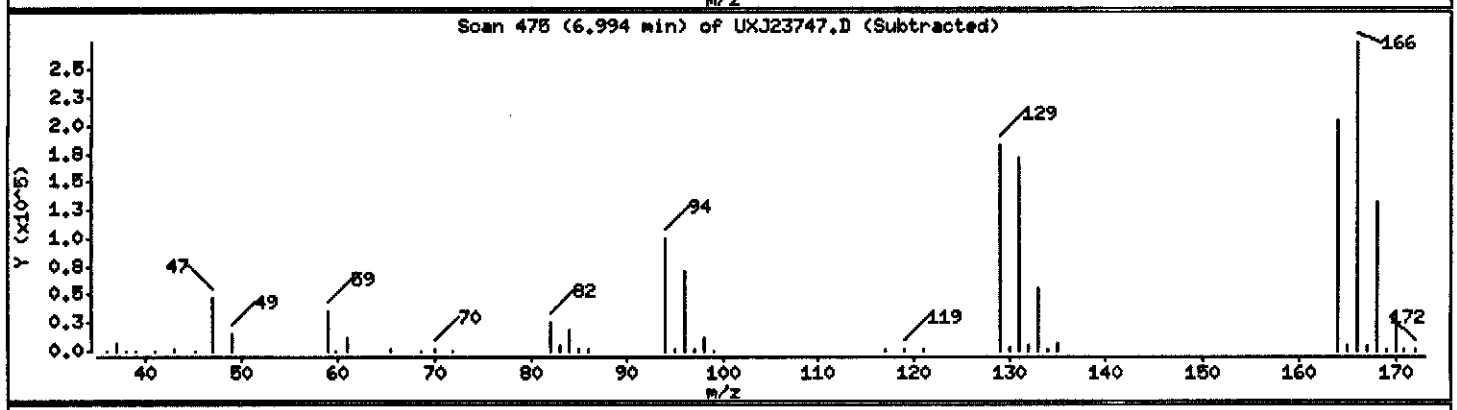
Sample Info: GPGDR2AA,1.75ML/5ML

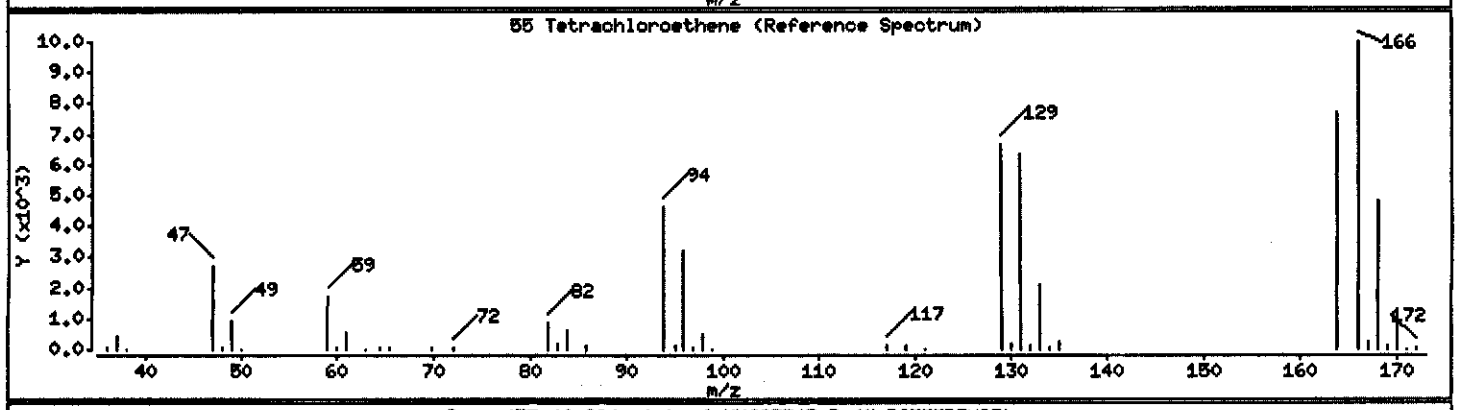
Purge Volume: 1.8 Operator: 43582

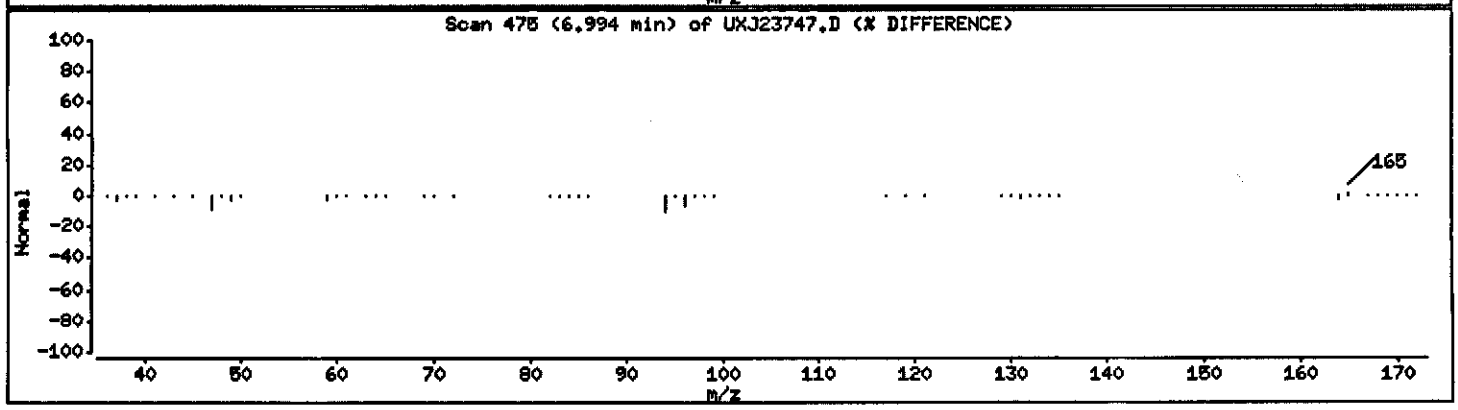
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 37.390 ug/L









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Date : 03-SEP-2004 15:33

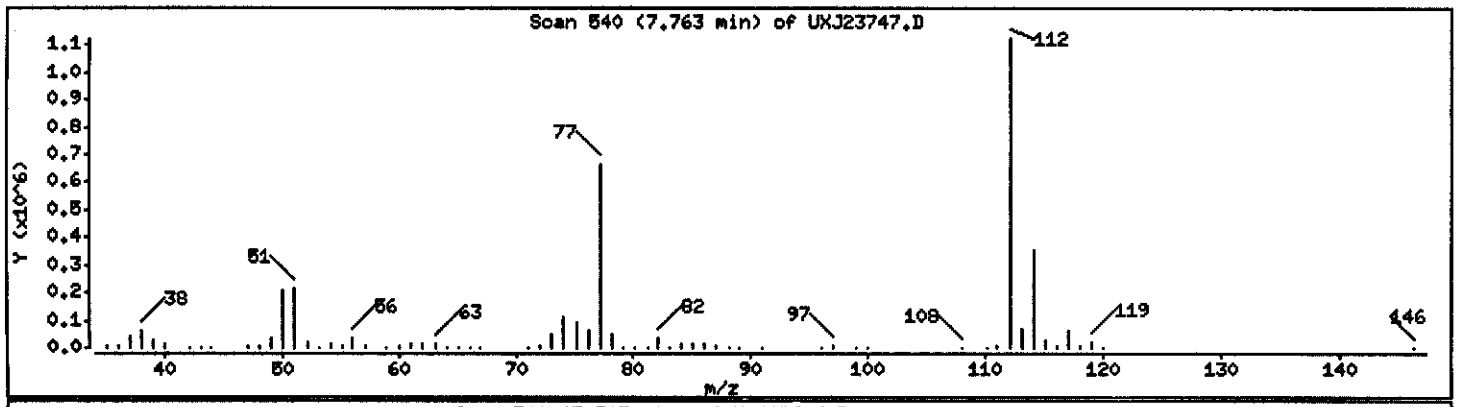
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

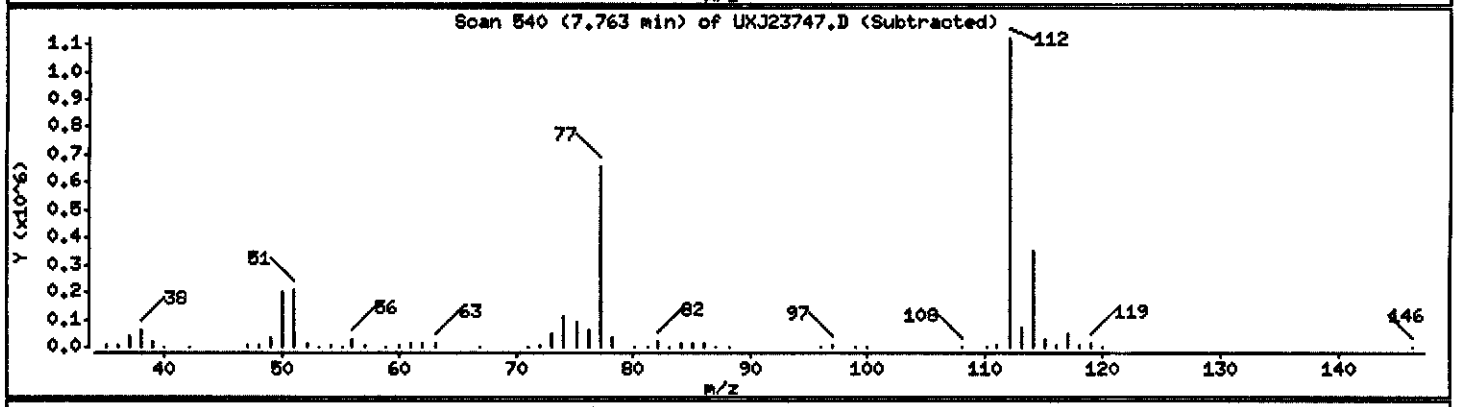
Sample Info: GPGDR2AA,1.75ML/5ML

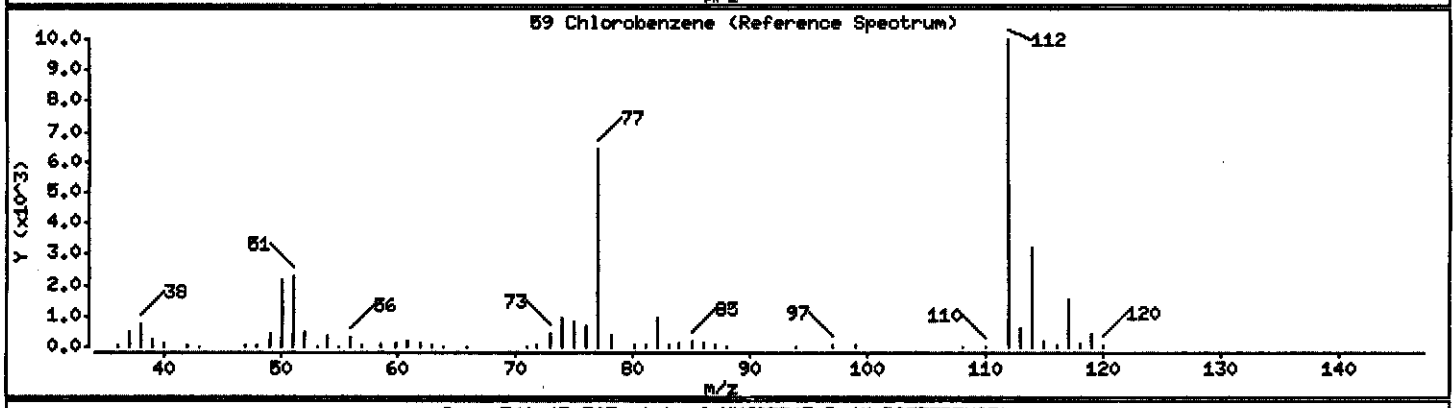
Purge Volume: 1.8 Operator: 43582

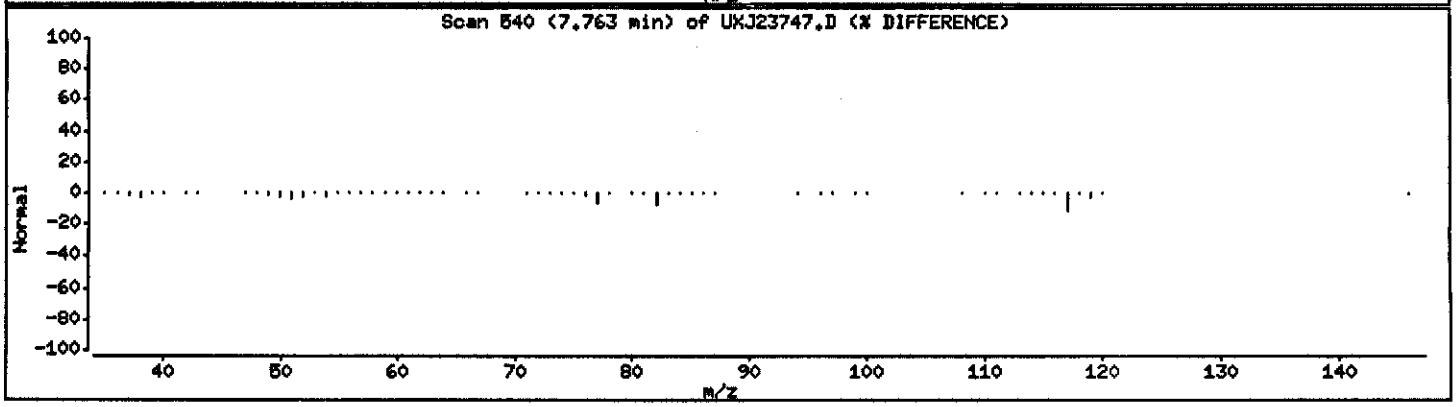
Column phase: DB624 Column diameter: 0.18

59 Chlorobenzene Concentration: 47.505 ug/L









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Date : 03-SEP-2004 15:33

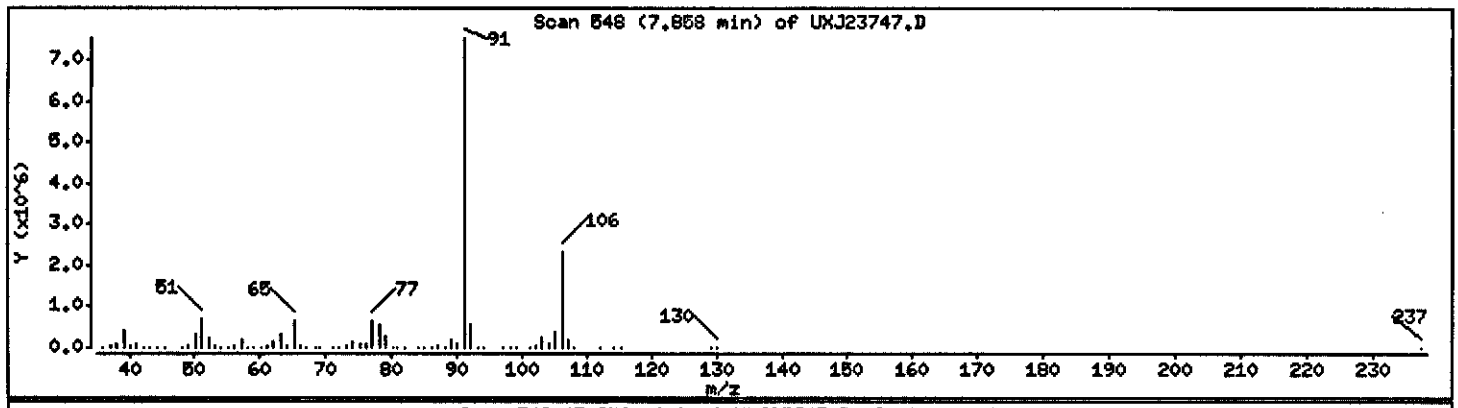
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

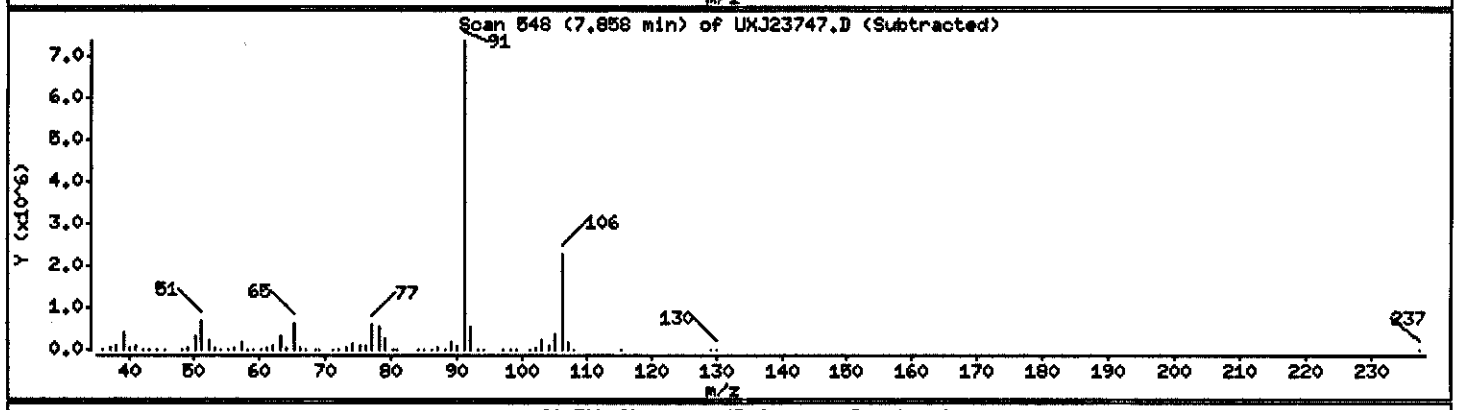
Sample Info: CPGDR2AA,1.75ML/5ML

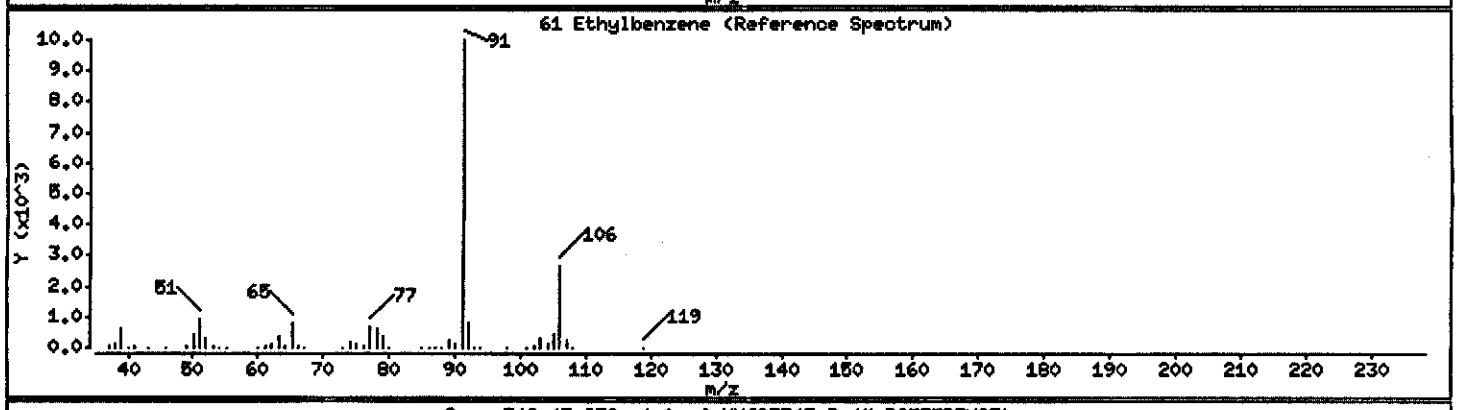
Purge Volume: 1.8 Operator: 43582

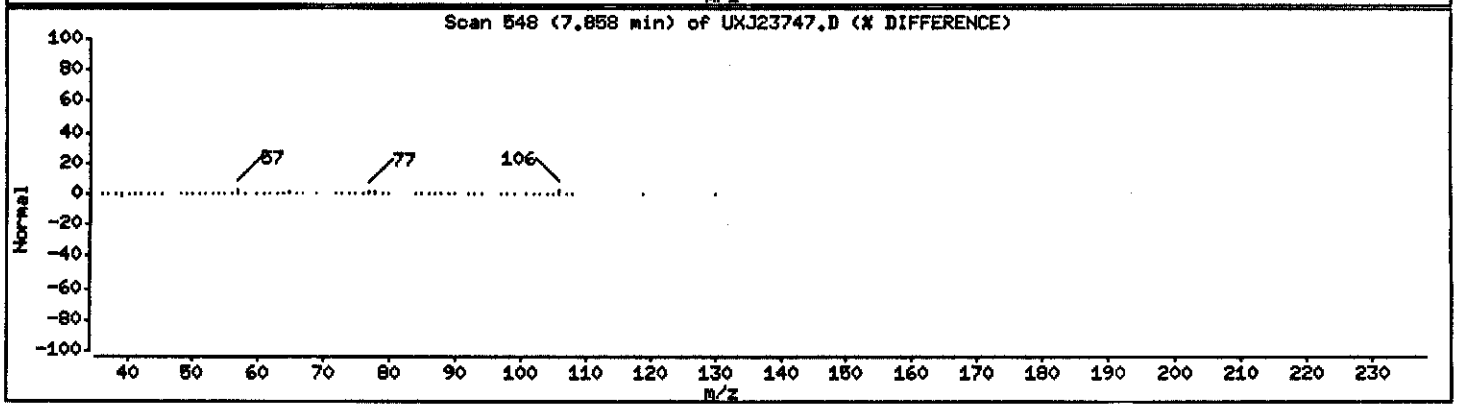
Column phase: DB624 Column diameter: 0.18

61 Ethylbenzene Concentration: 193.85 ug/L









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Date : 03-SEP-2004 15:33

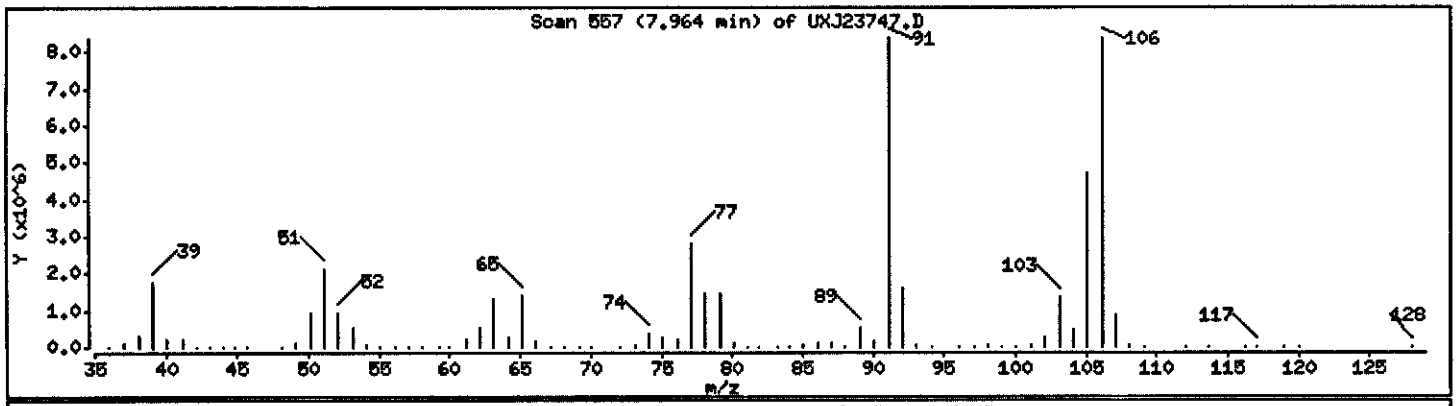
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

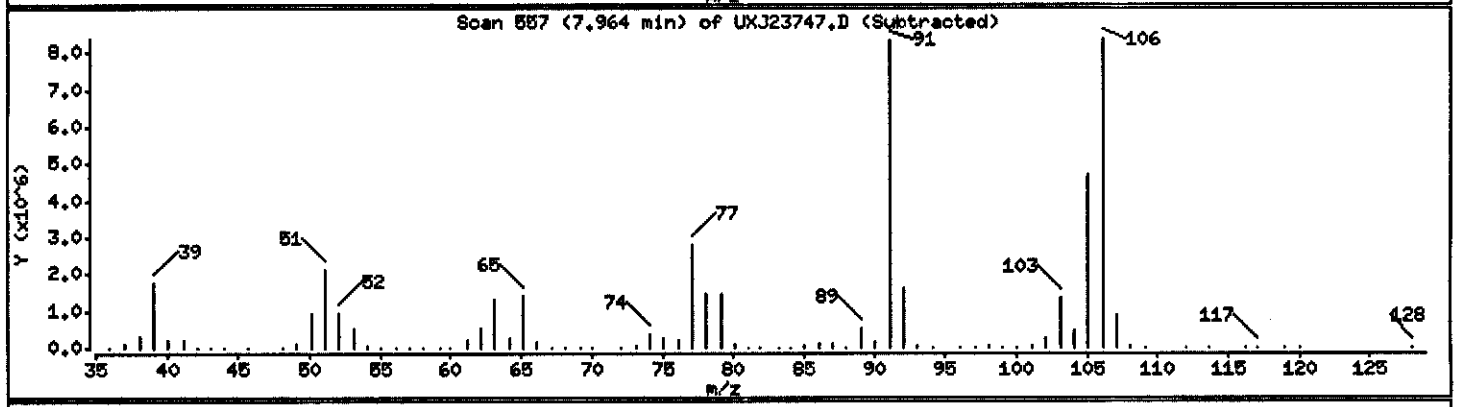
Sample Info: GPCDR2AA,1.75ML/5ML

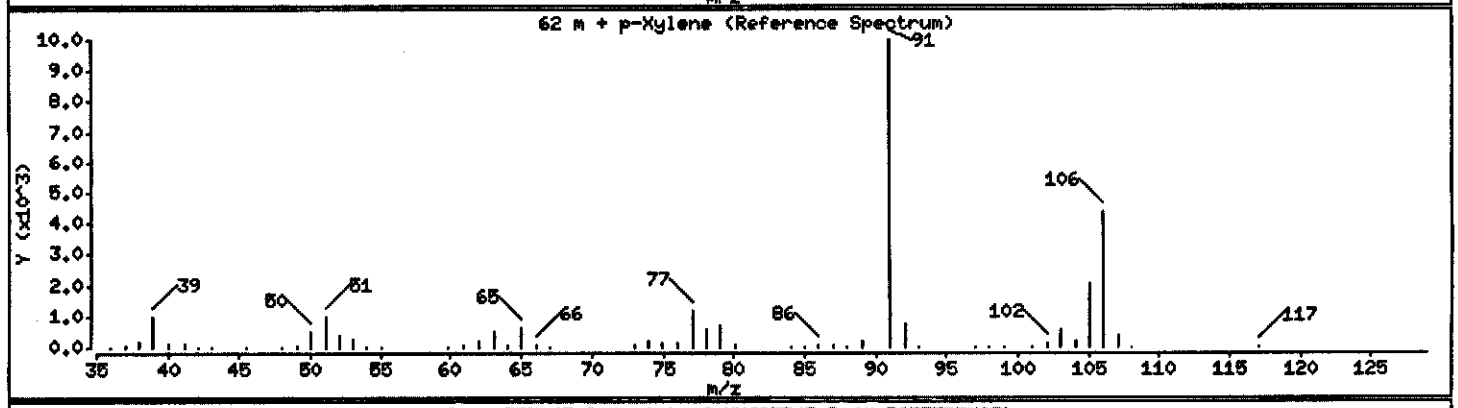
Purge Volume: 1.8 Operator: 43582

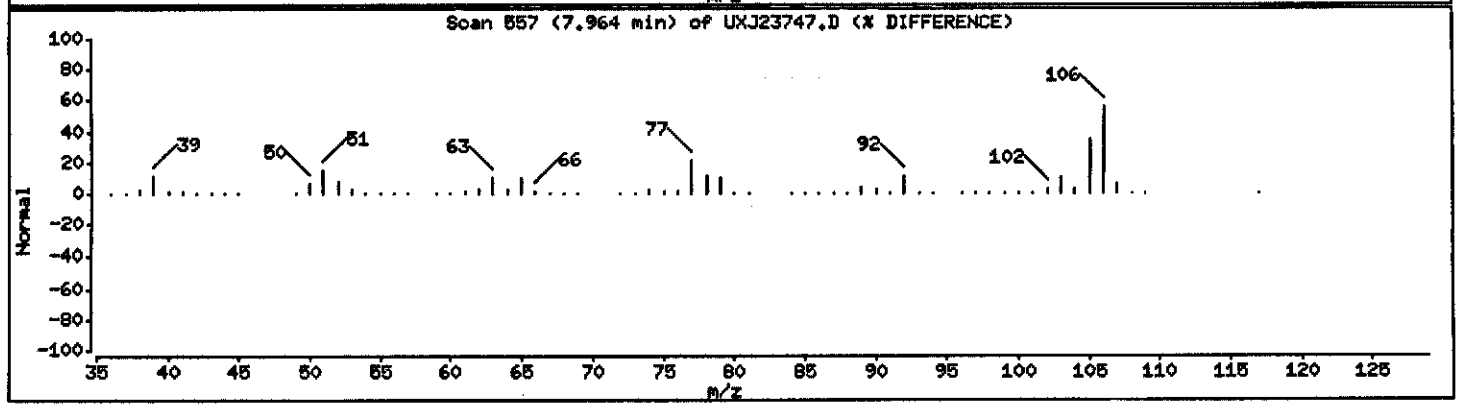
Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 644.69 ug/L









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Date : 03-SEP-2004 15:33

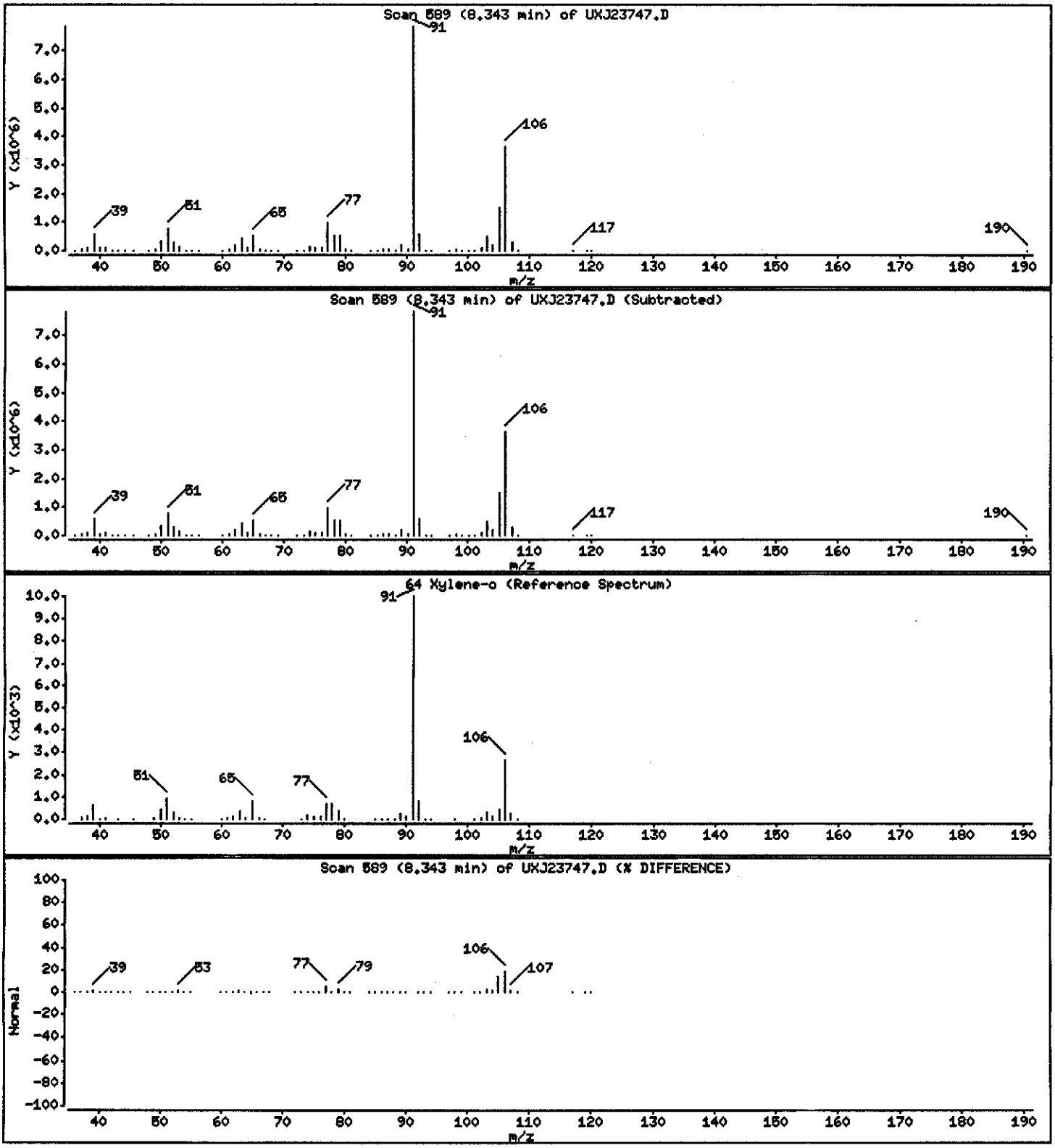
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 246.41 ug/L



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Date : 03-SEP-2004 15:33

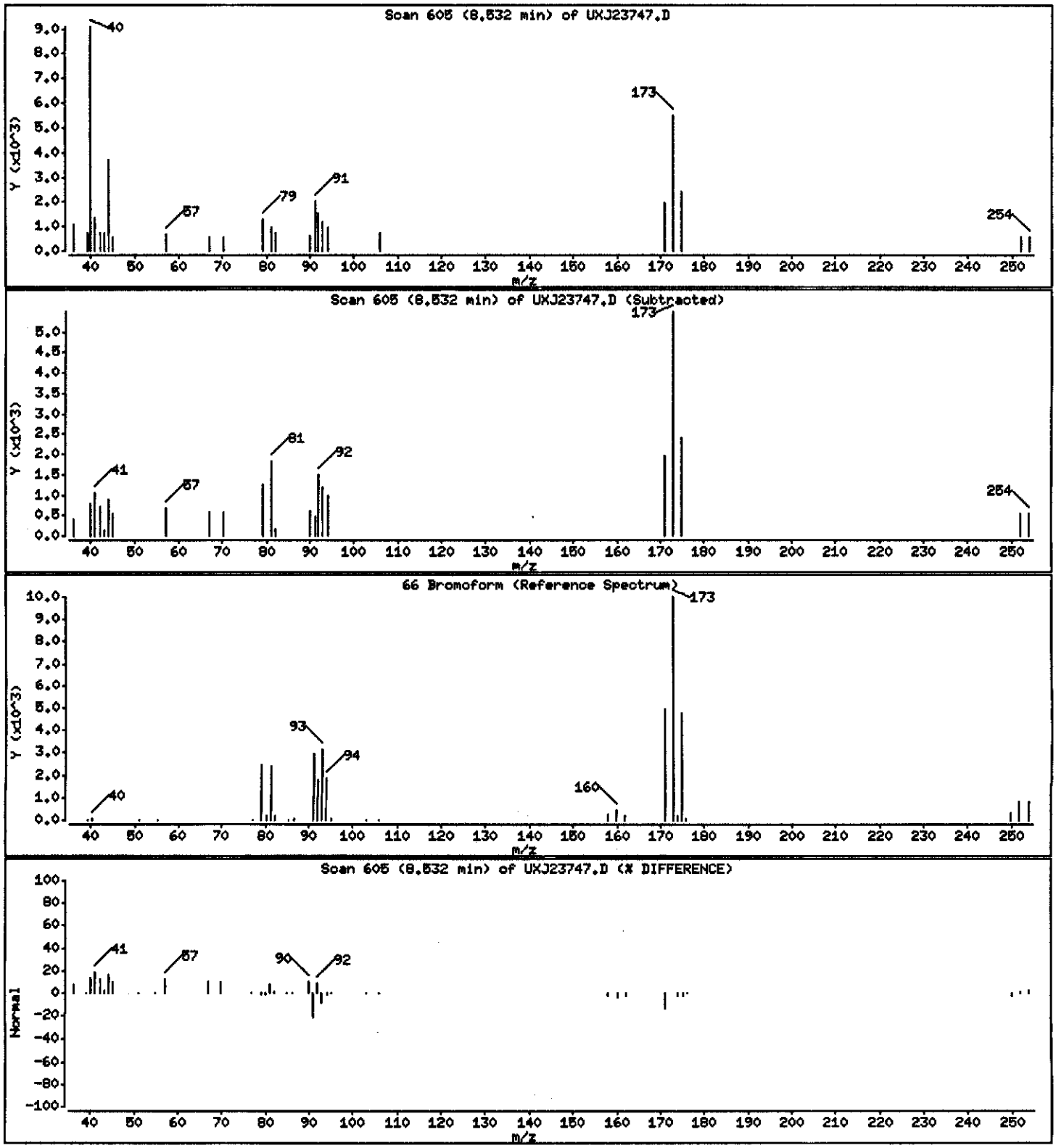
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

66 Bromoform Concentration: 2.276 ug/L



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Date : 03-SEP-2004 15:33

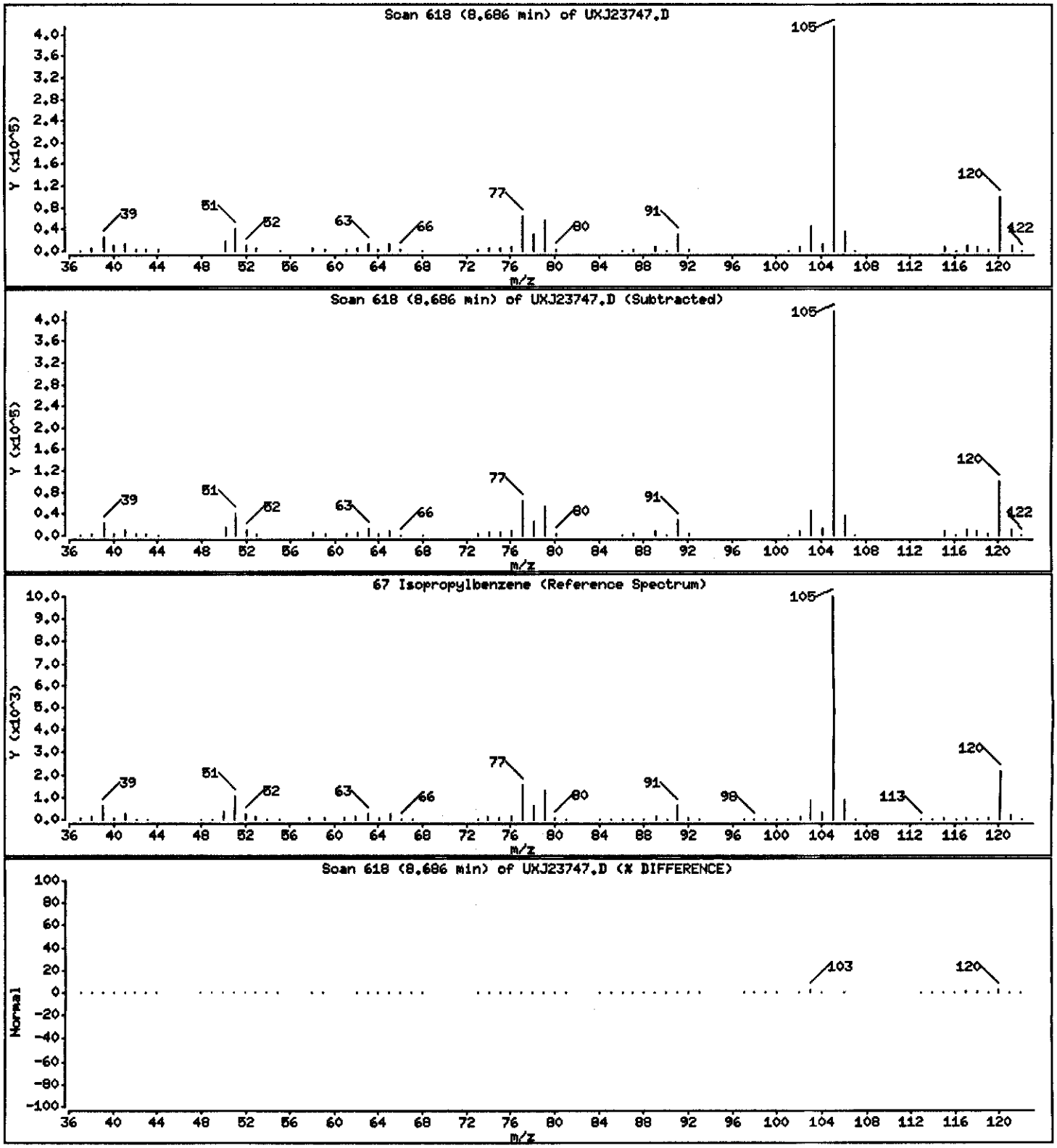
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

67 Isopropylbenzene | Concentration: 12.994 ug/L



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Date : 03-SEP-2004 15:33

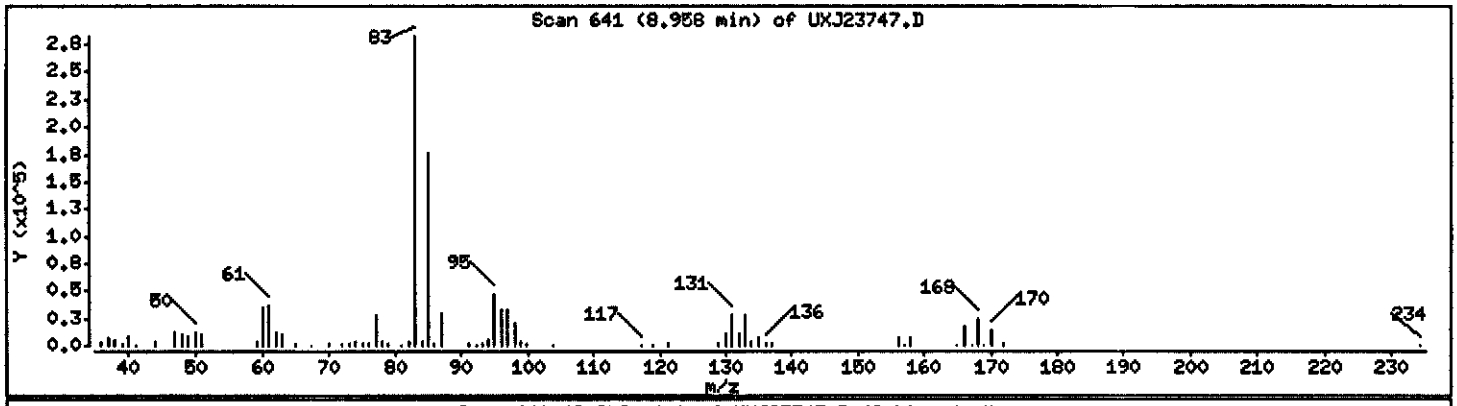
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

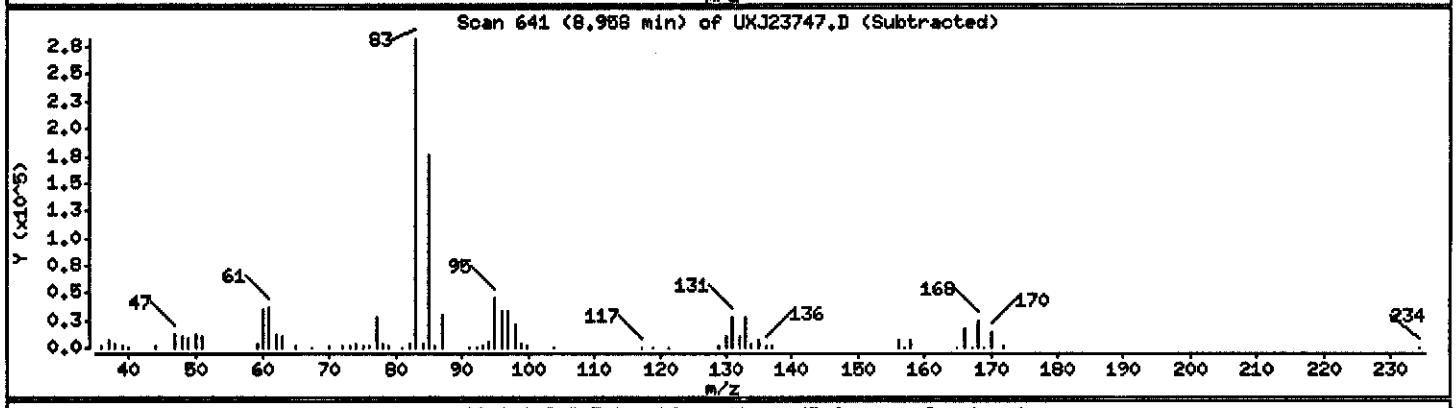
Sample Info: CPCDR2AA,1.75ML/5ML

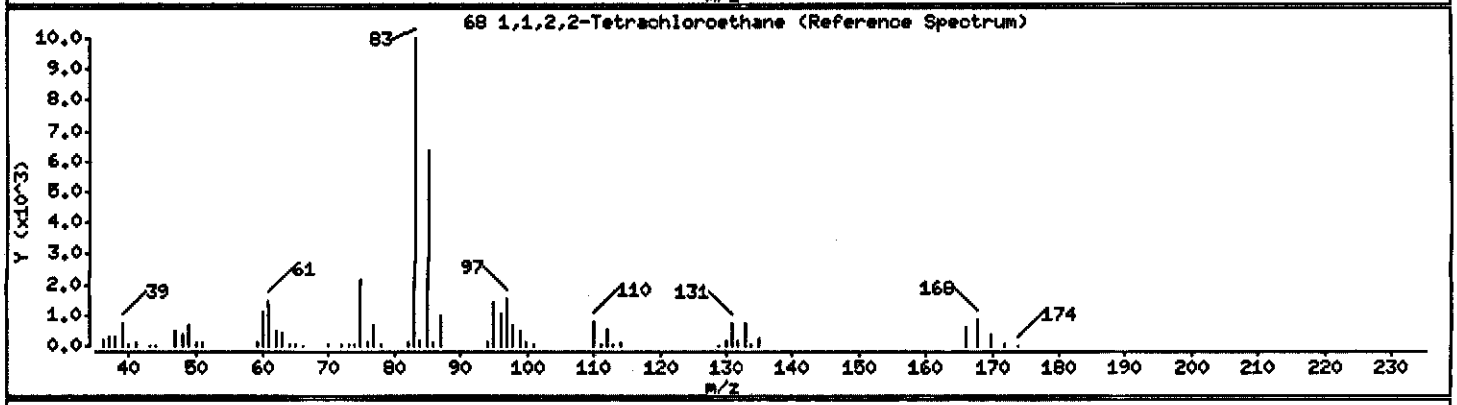
Purge Volume: 1.8 Operator: 43582

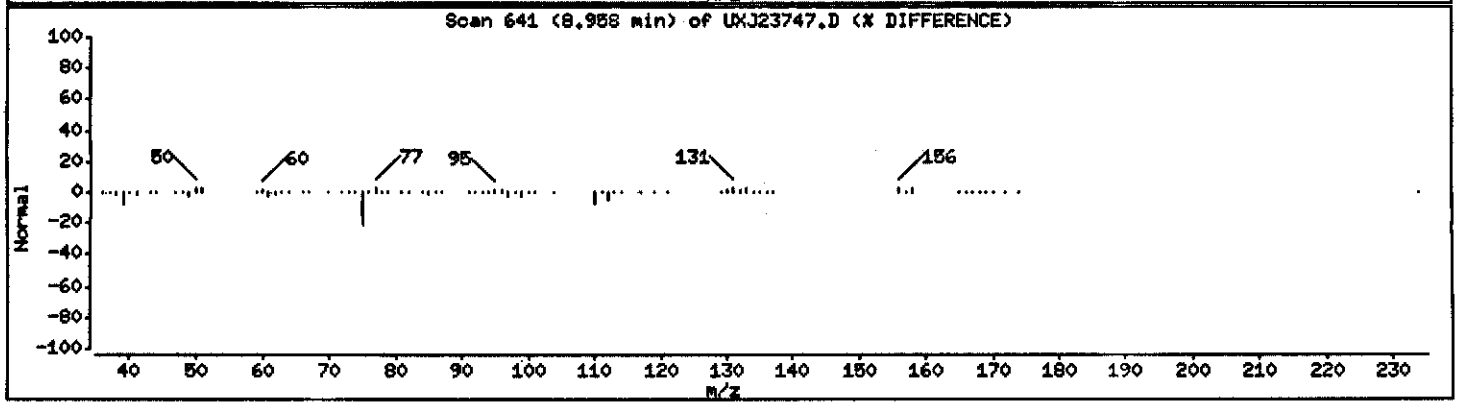
Column phase: DB624 Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 24.564 ug/L









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Date : 03-SEP-2004 15:33

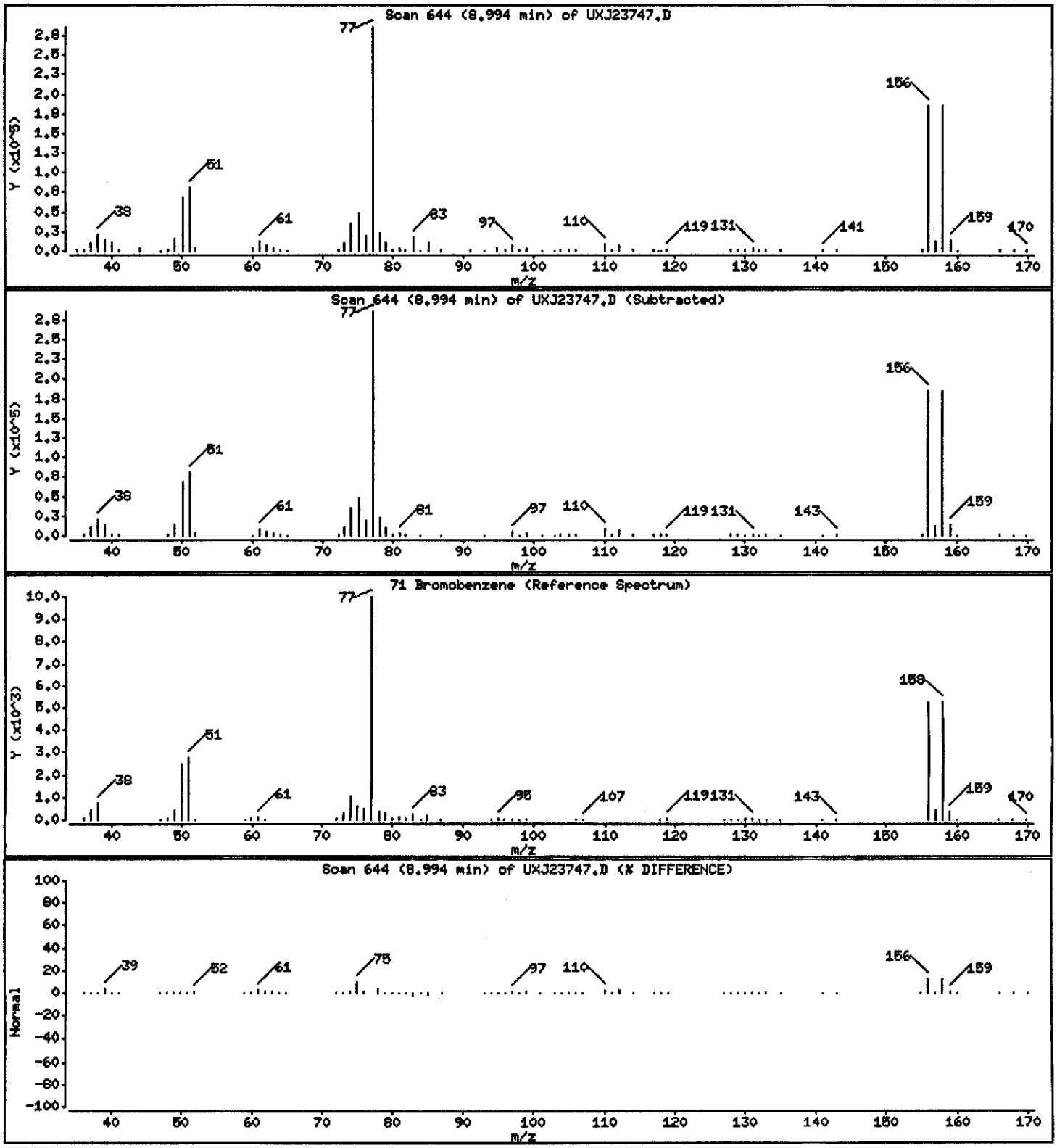
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

71 Bromobenzene Concentration: 19.450 ug/L



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Date : 03-SEP-2004 15:33

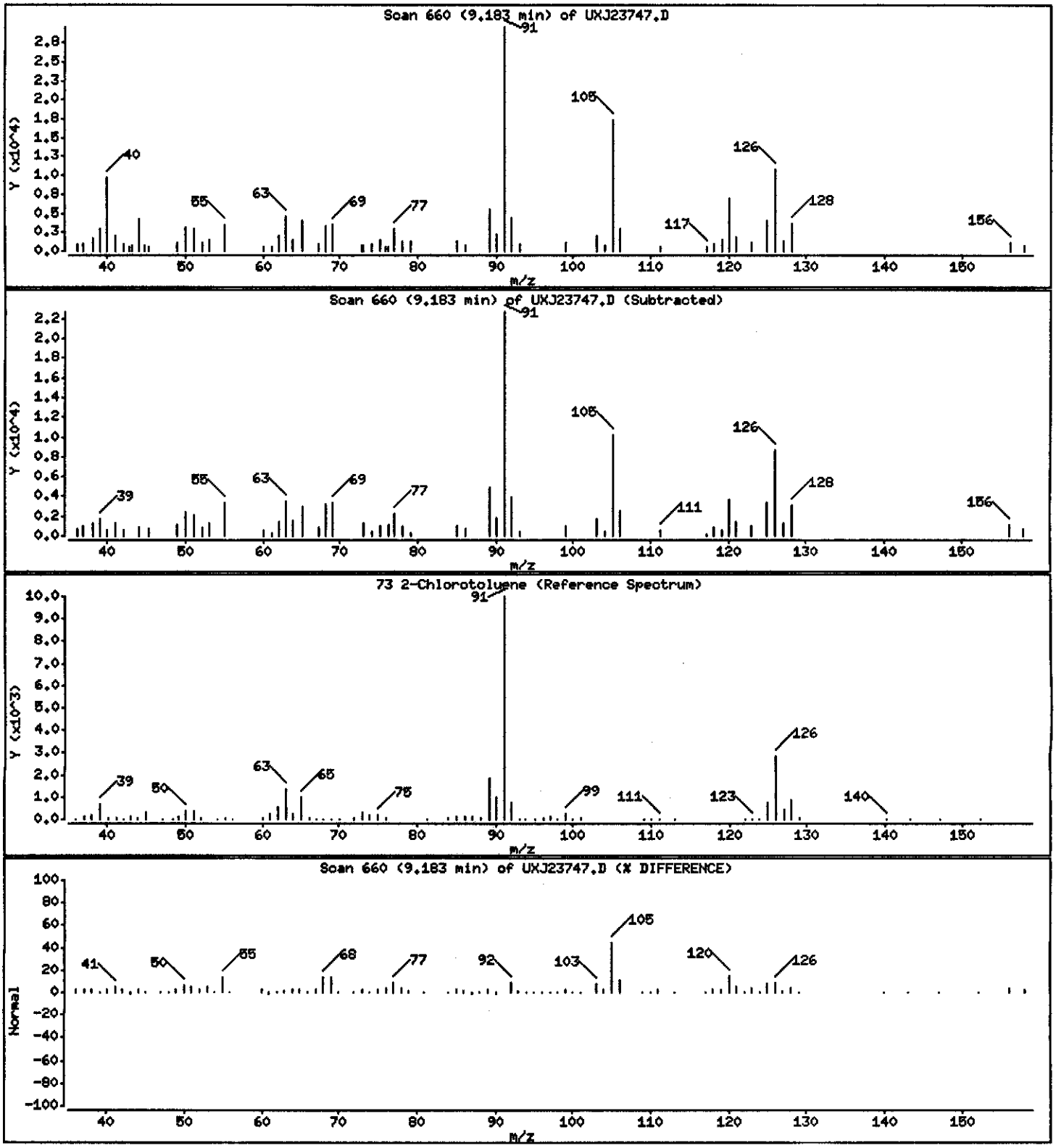
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

73 2-Chlorotoluene Concentration: 1.352 ug/L



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Date : 03-SEP-2004 15:33

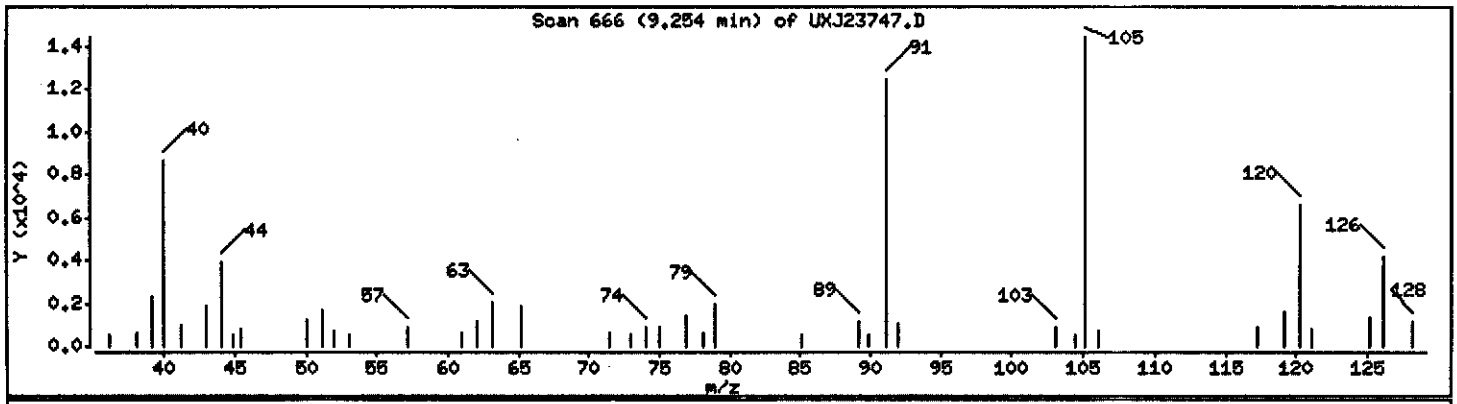
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

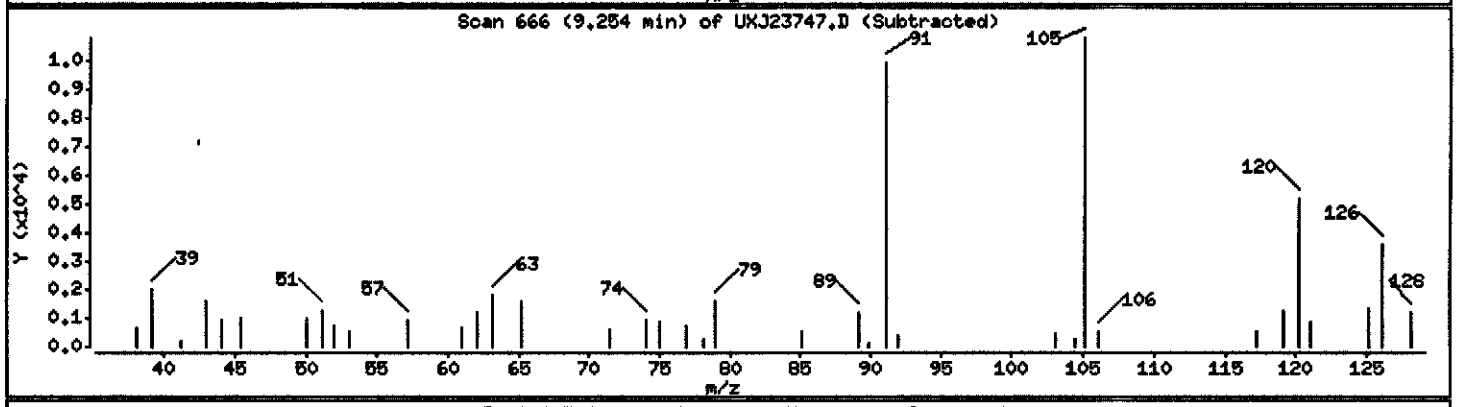
Sample Info: GPCDR2AA,1.75ML/5ML

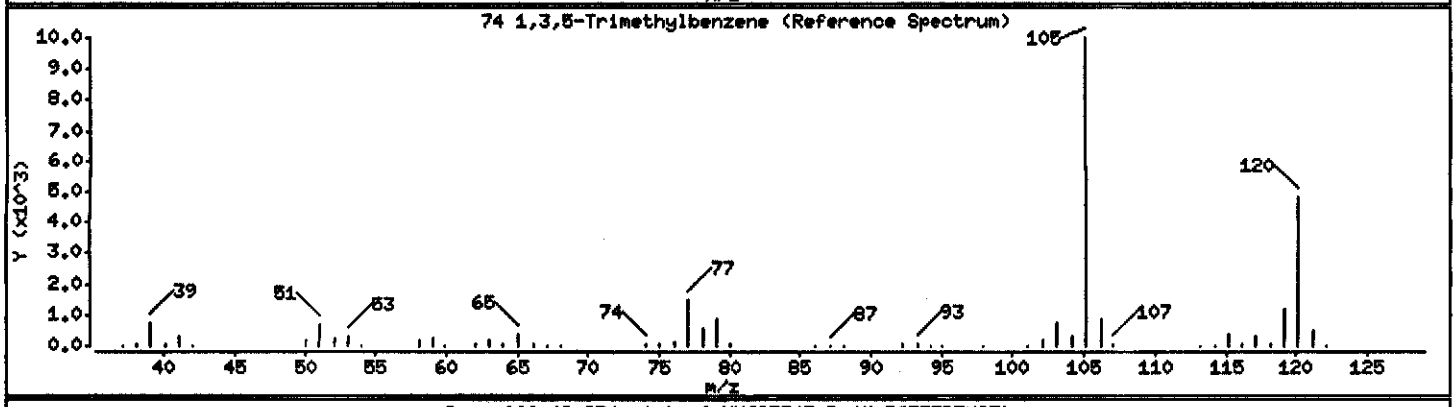
Purge Volume: 1.8 Operator: 43582

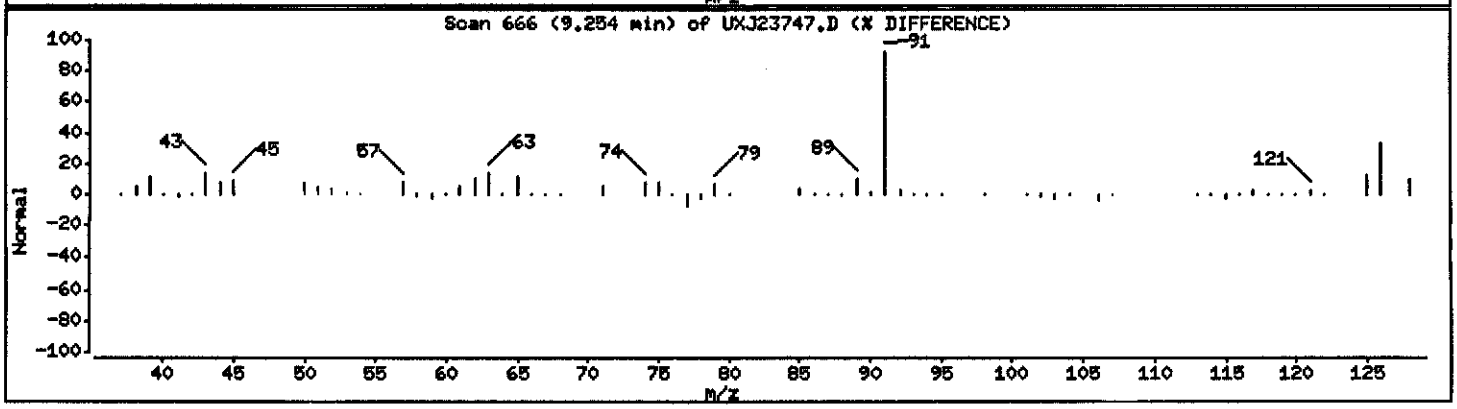
Column phase: DB624 Column diameter: 0.18

74 1,3,5-Trimethylbenzene Concentration: 1.774 ug/L









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Date : 03-SEP-2004 15:33

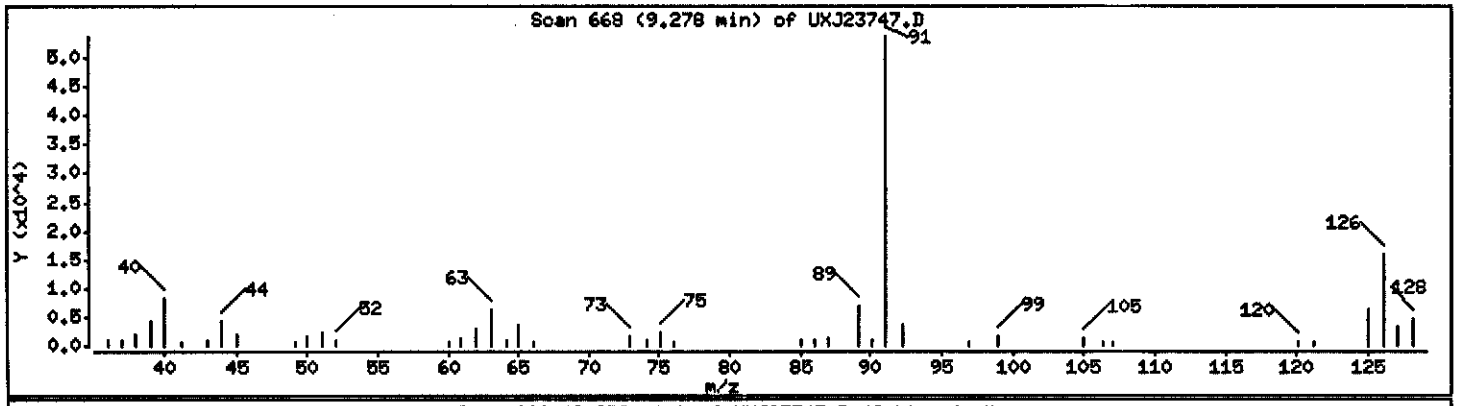
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

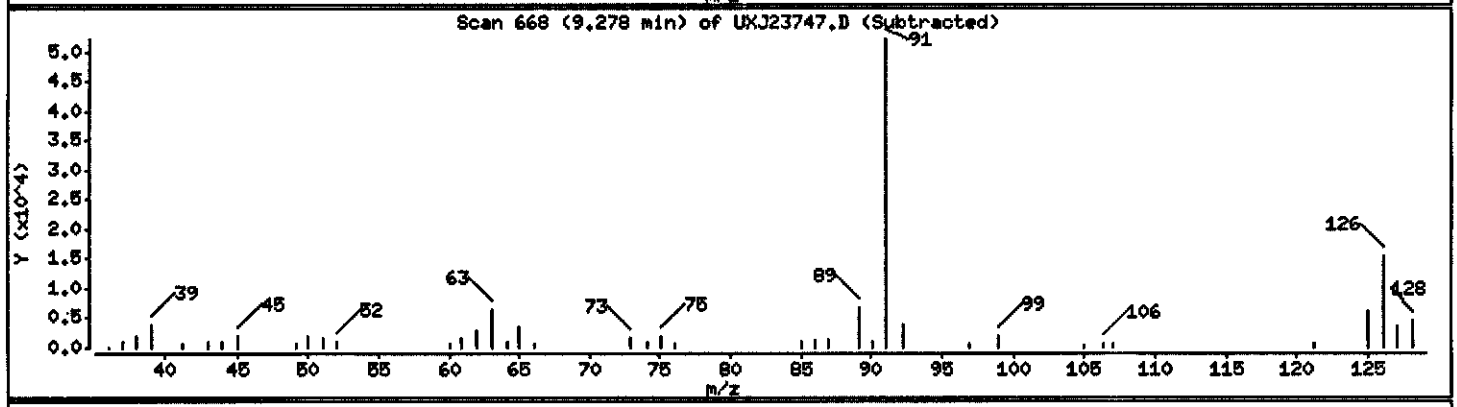
Sample Info: GPCDR2AA,1.75ML/5ML

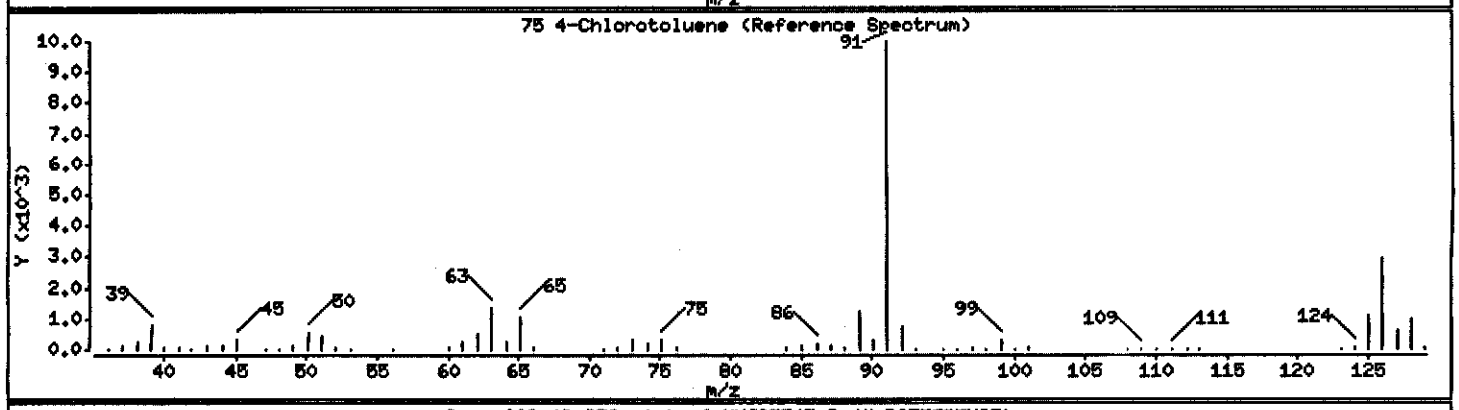
Purge Volume: 1.8 Operator: 43582

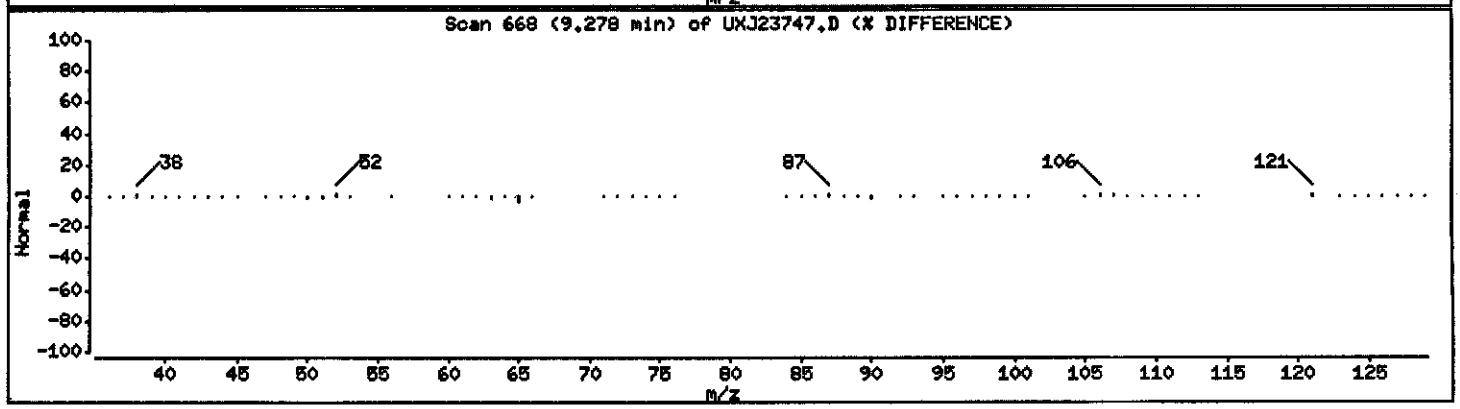
Column phase: DB624 Column diameter: 0.18

75 4-Chlorotoluene Concentration: 1.631 ug/L









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Date : 03-SEP-2004 15:33

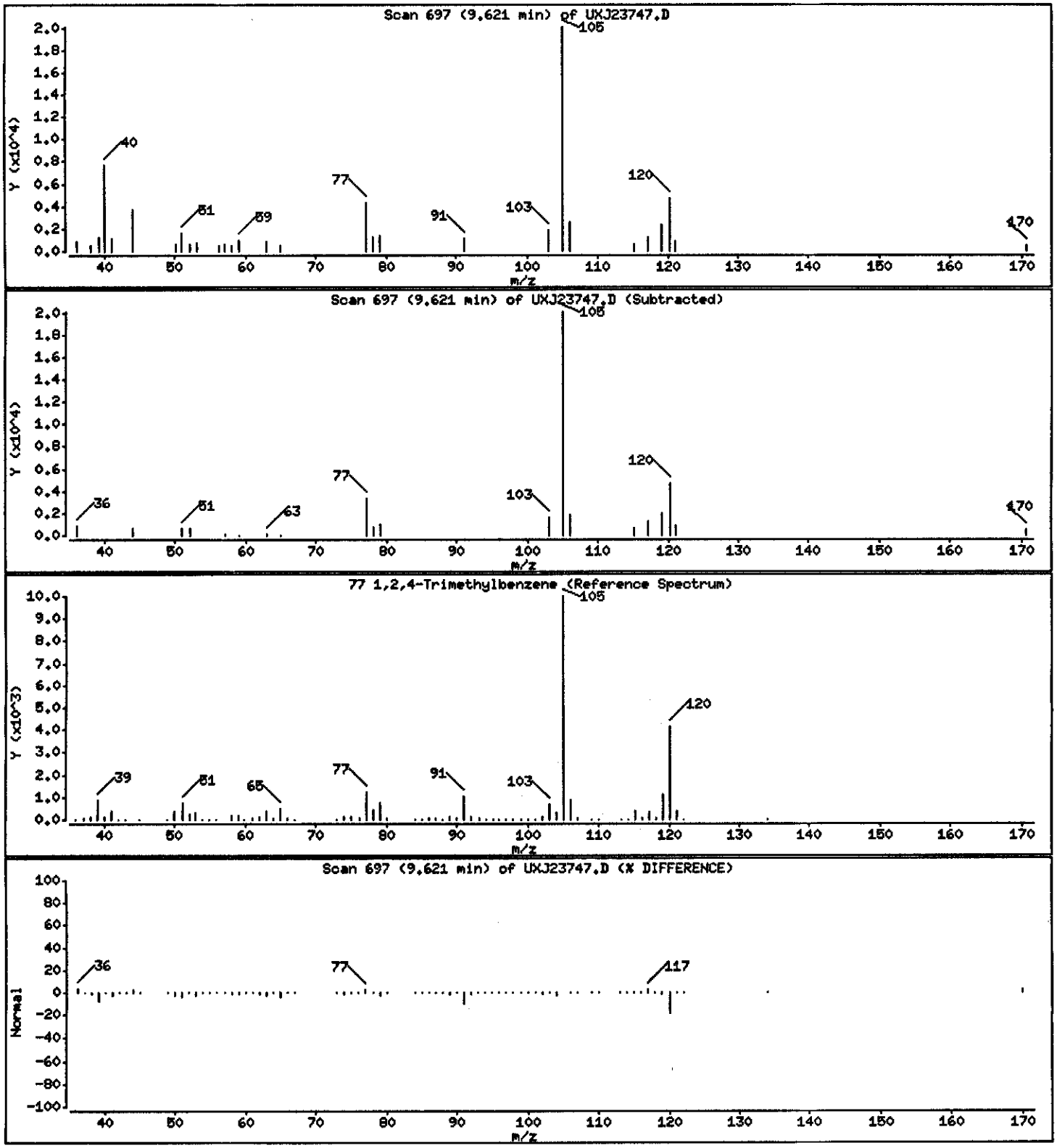
Client ID: OUTFALL-WR/090104 | Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

77 1,2,4-Trimethylbenzene | Concentration: 1.826 ug/L



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Date : 03-SEP-2004 15:33

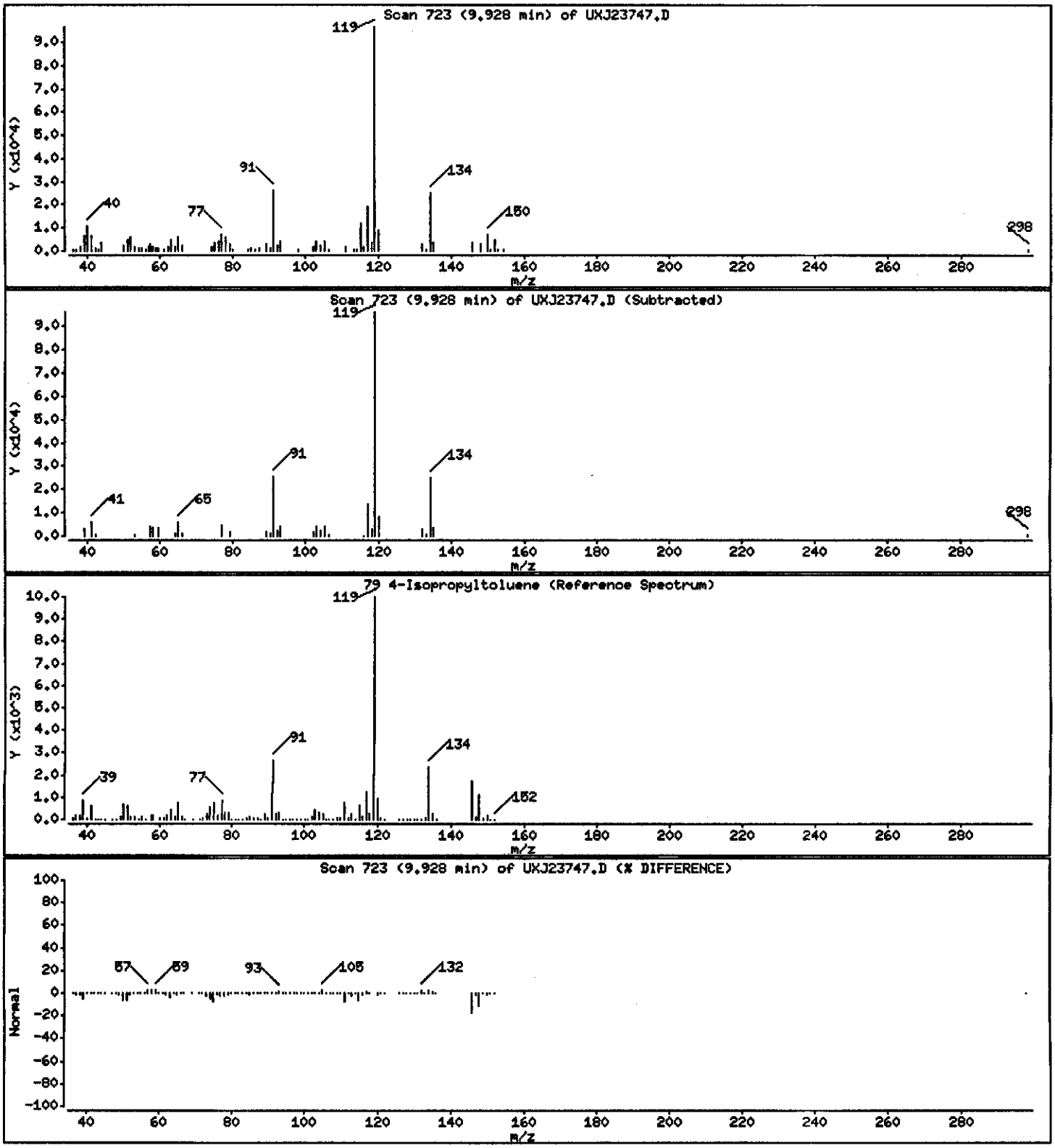
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

79 4-Isopropyltoluene Concentration: 4.460 ug/L



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Date : 03-SEP-2004 15:33

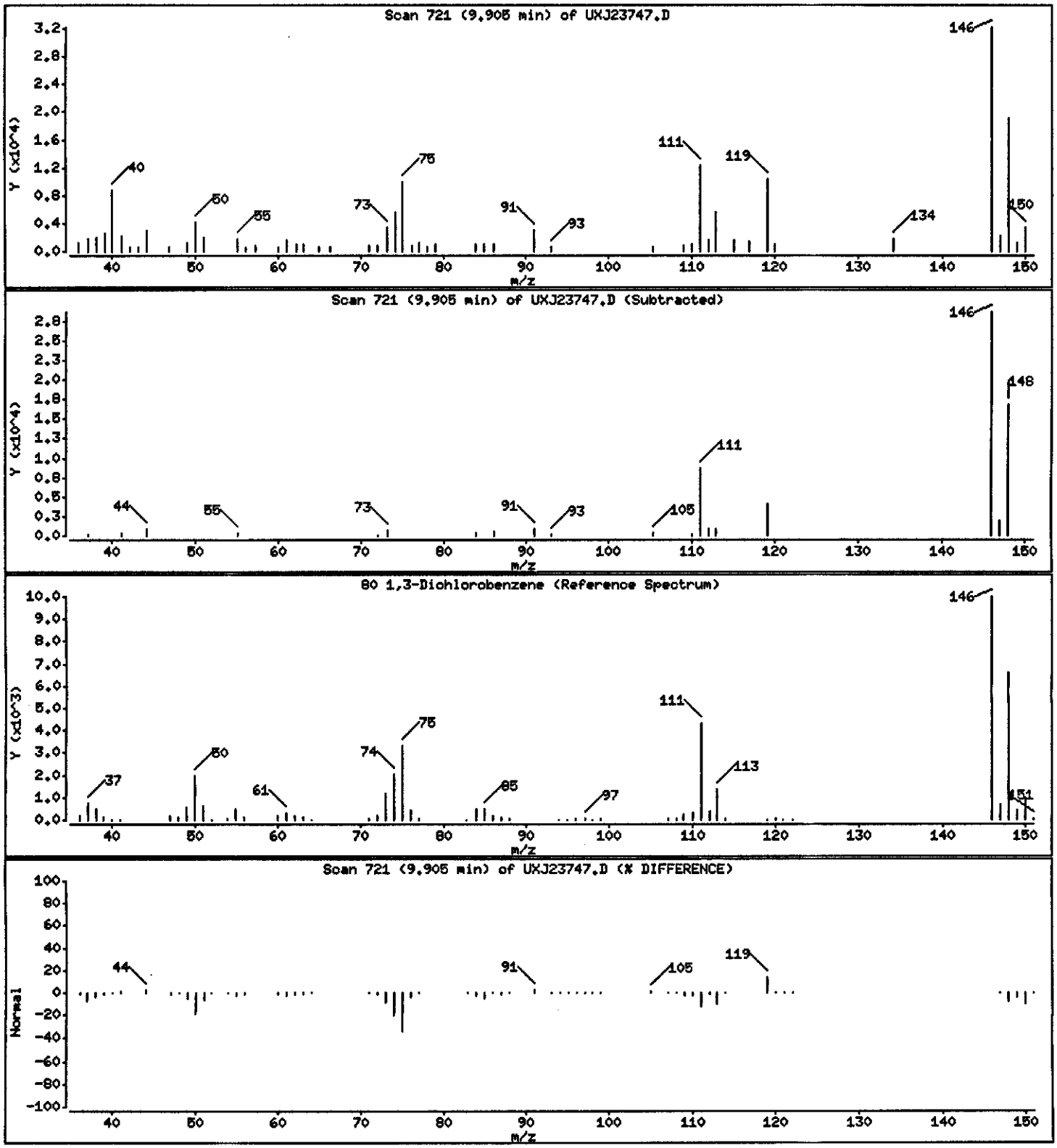
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

80 1,3-Dichlorobenzene Concentration: 1.717 ug/L



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Date : 03-SEP-2004 15:33

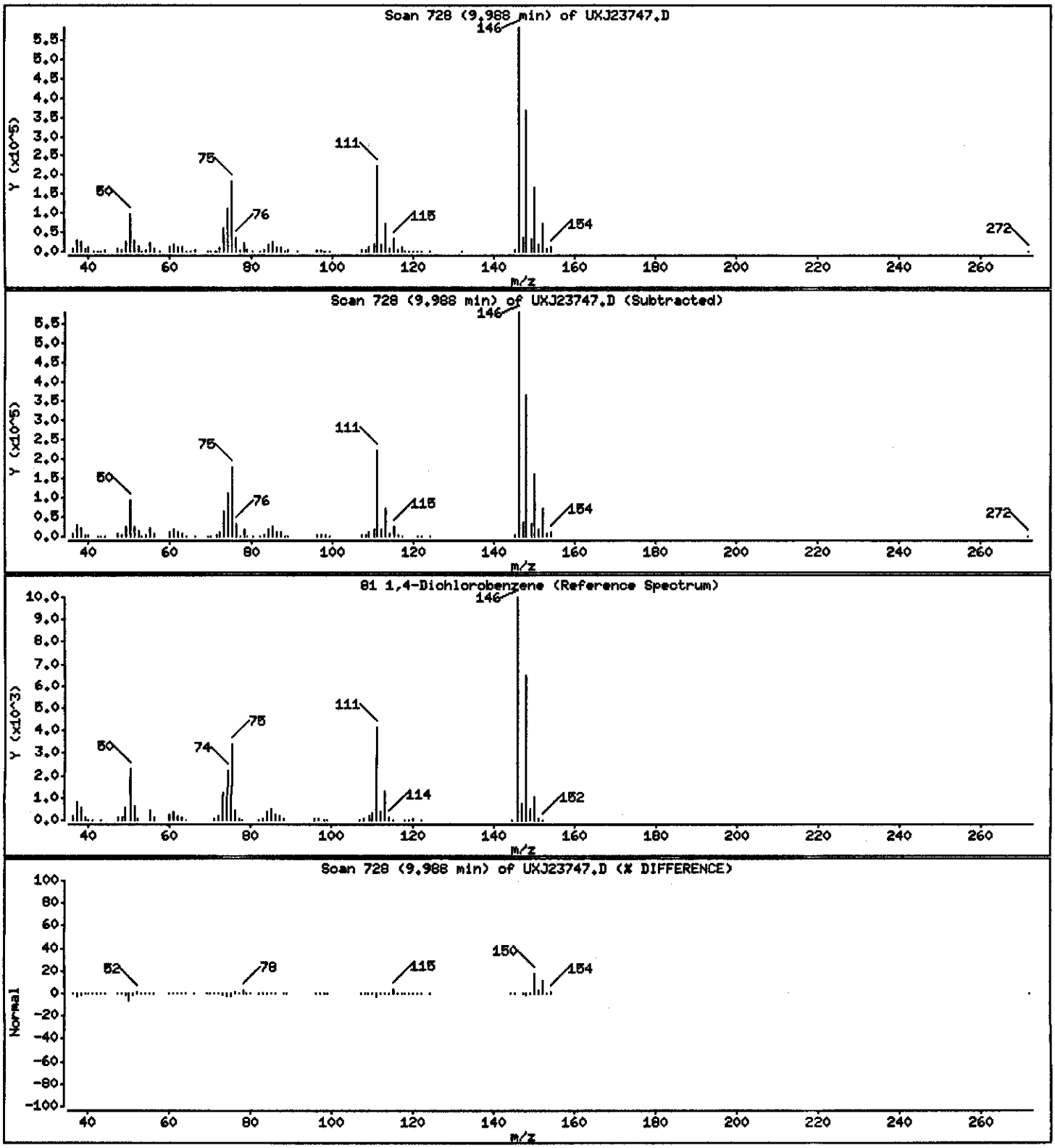
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: CPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 27.602 ug/L



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Date : 03-SEP-2004 15:33

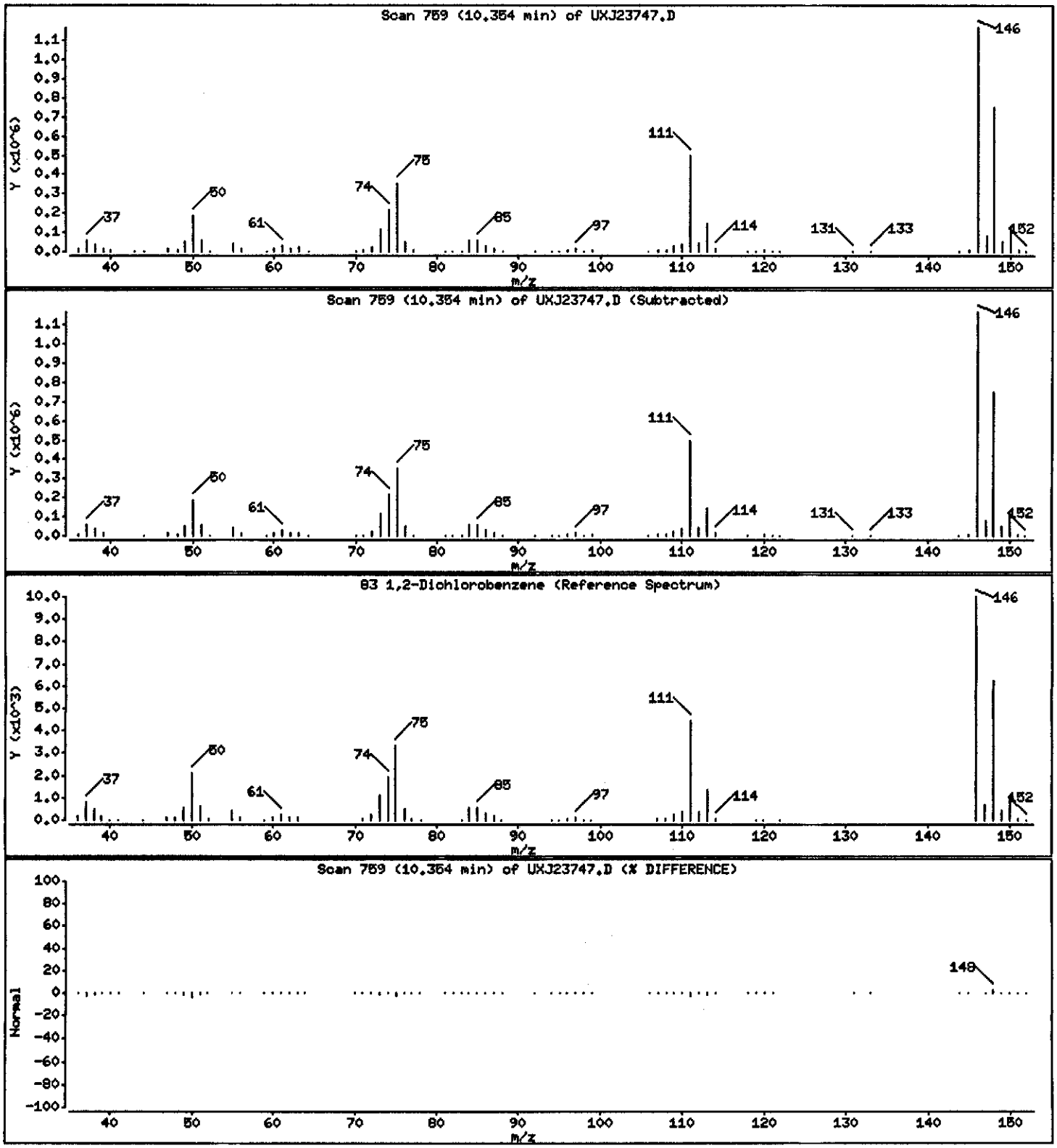
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

83 1,2-Dichlorobenzene Concentration: 61.643 ug/L



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Date : 03-SEP-2004 15:33

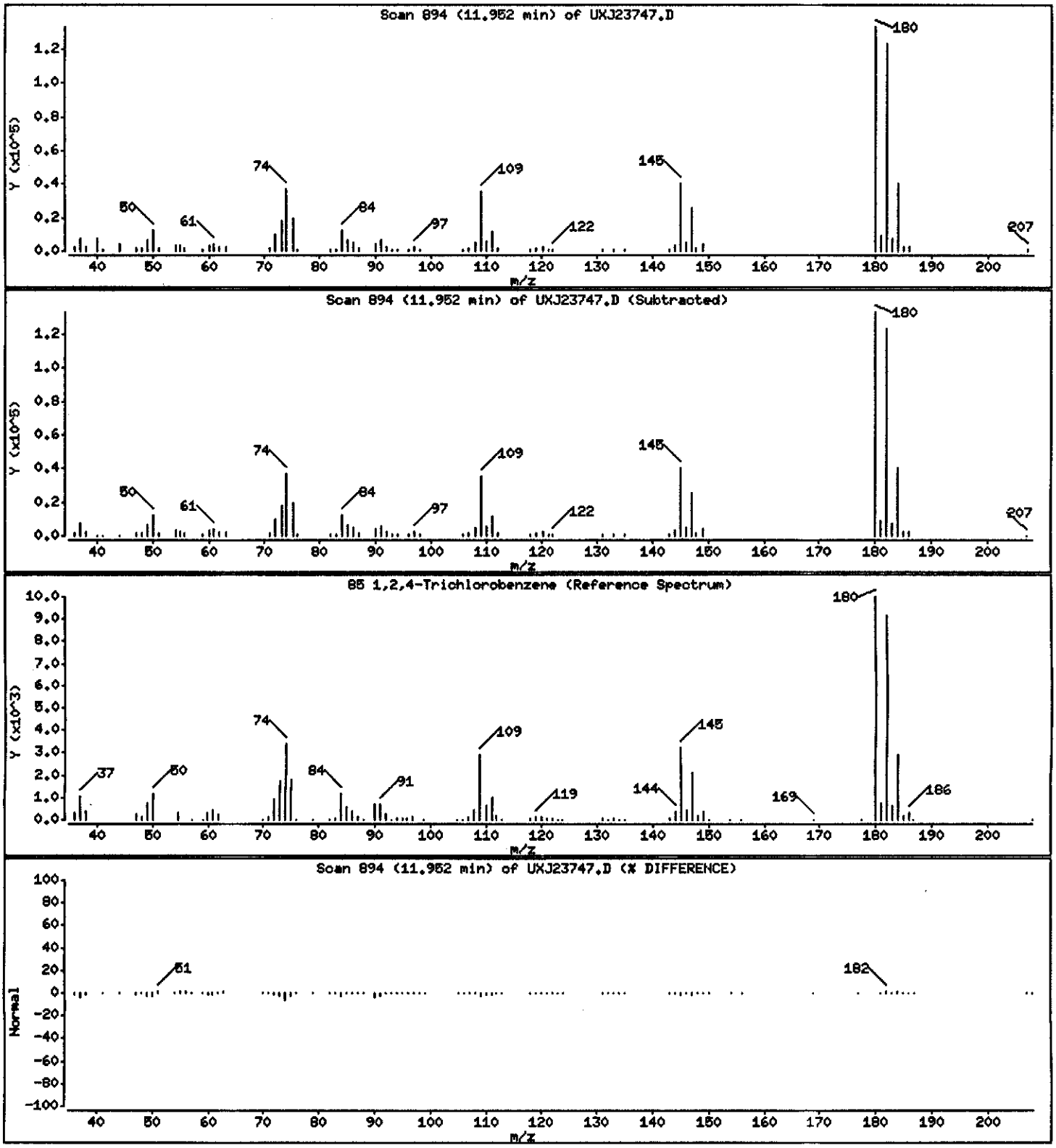
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 18.311 ug/L



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Date : 03-SEP-2004 15:33

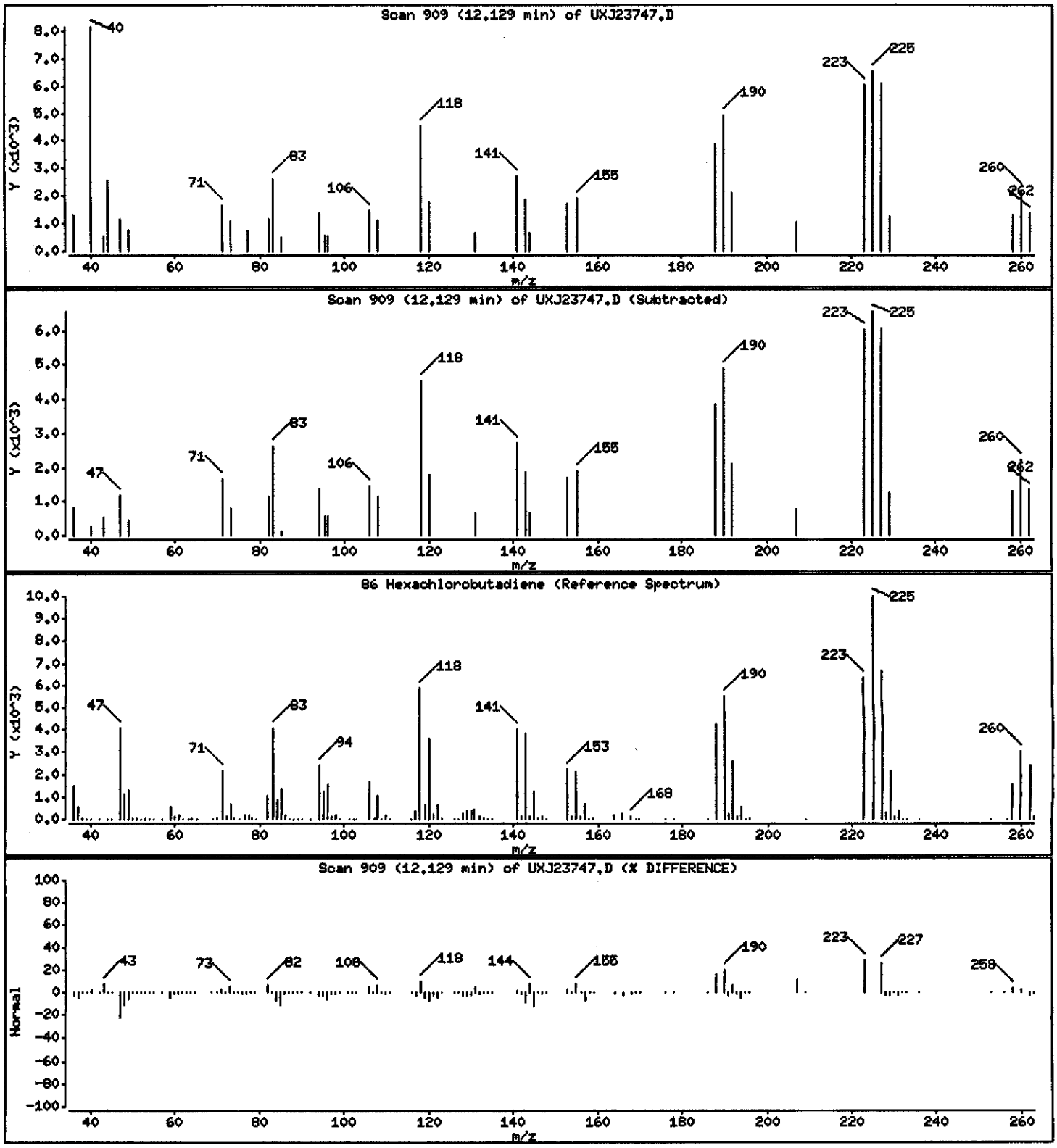
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

86 Hexachlorobutadiene Concentration: 2.082 ug/L



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Date : 03-SEP-2004 15:33

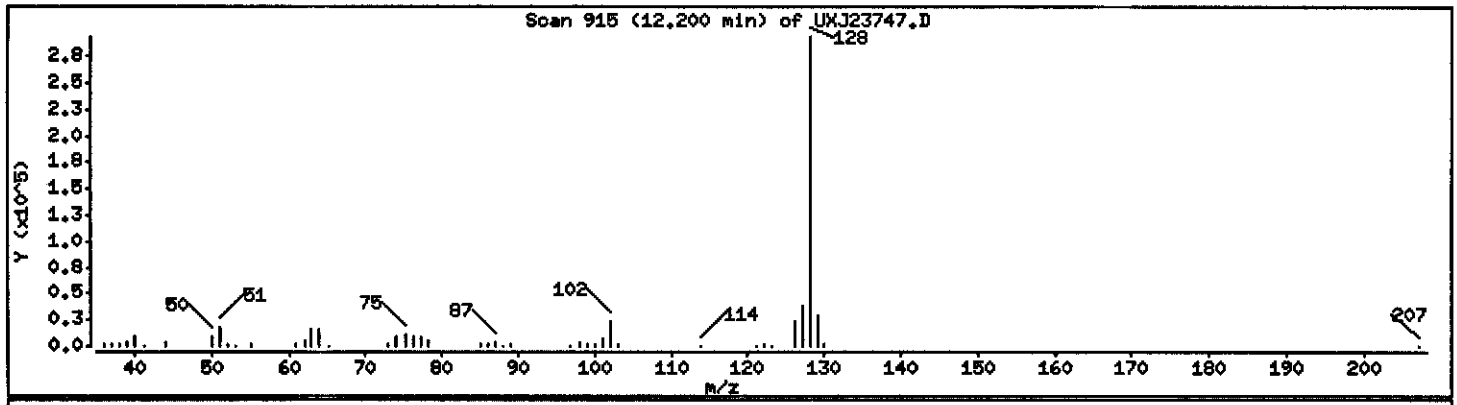
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

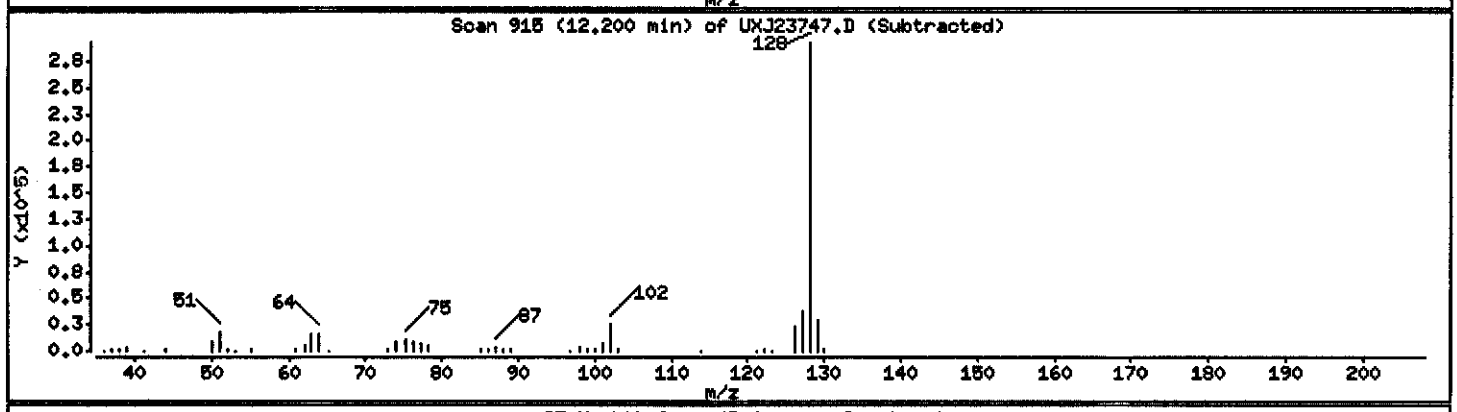
Sample Info: GPGDR2AA,1.75ML/5ML

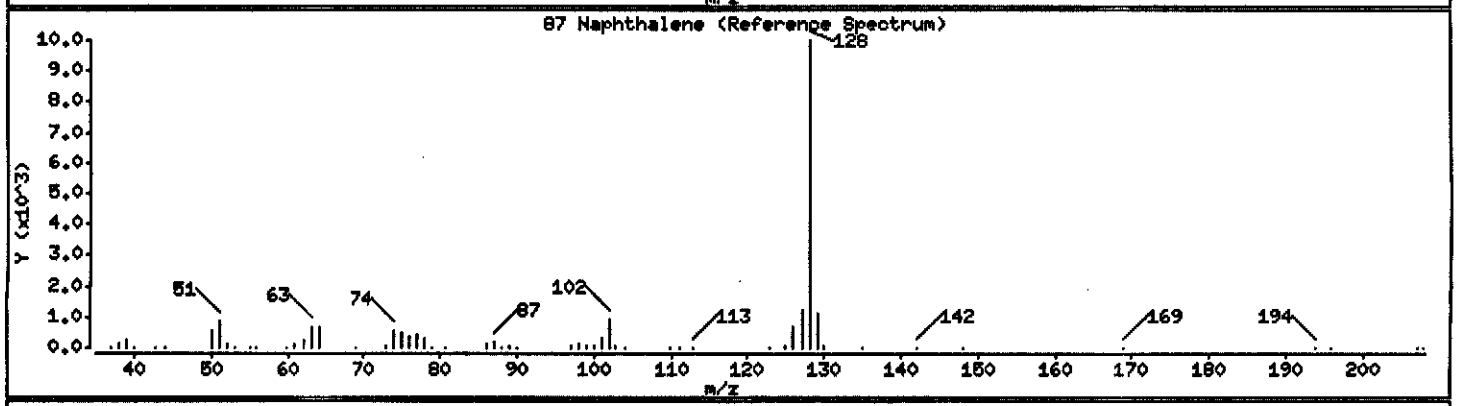
Purge Volume: 1.8 Operator: 43582

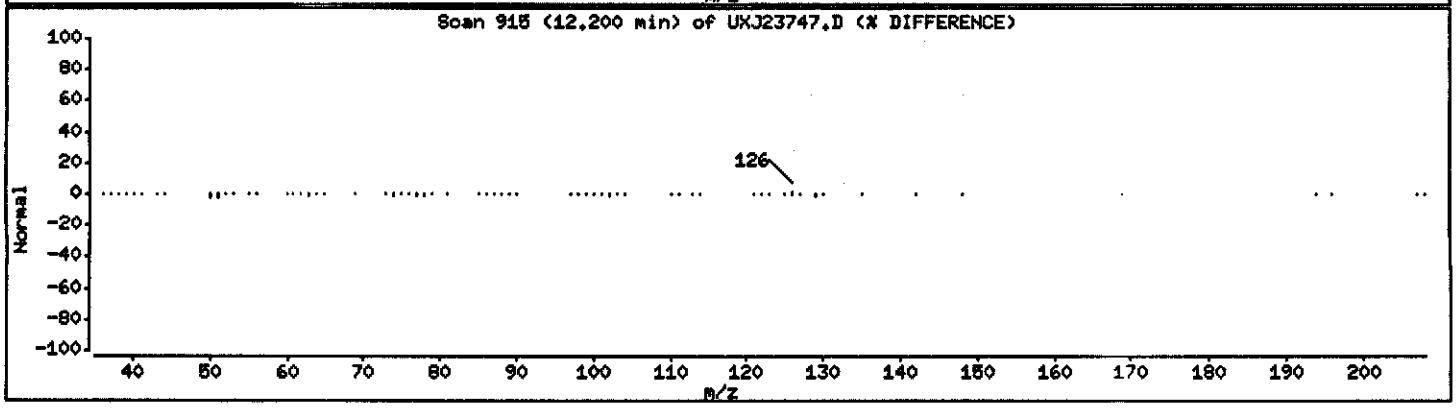
Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 18.265 ug/L









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Date : 03-SEP-2004 15:33

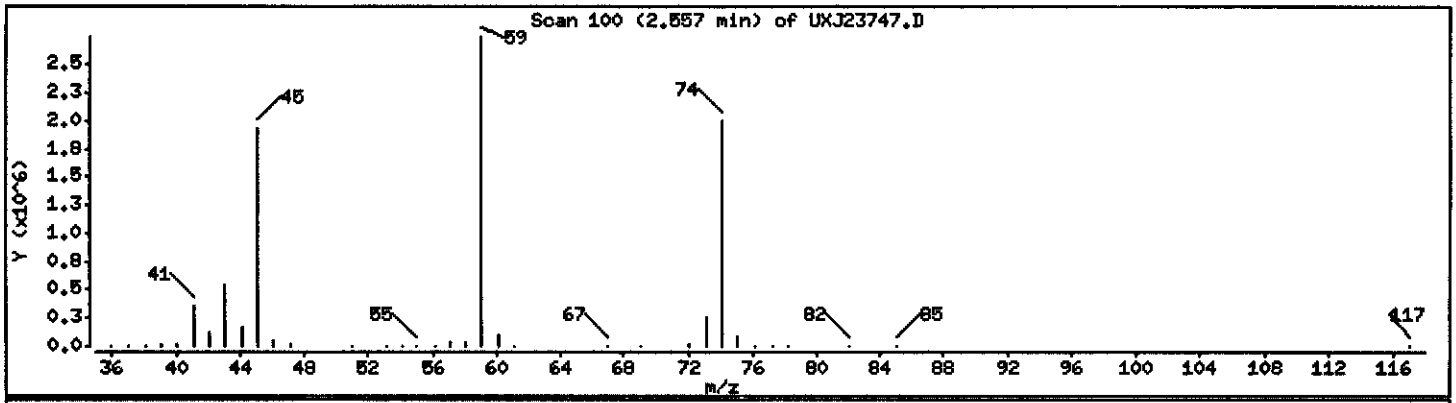
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

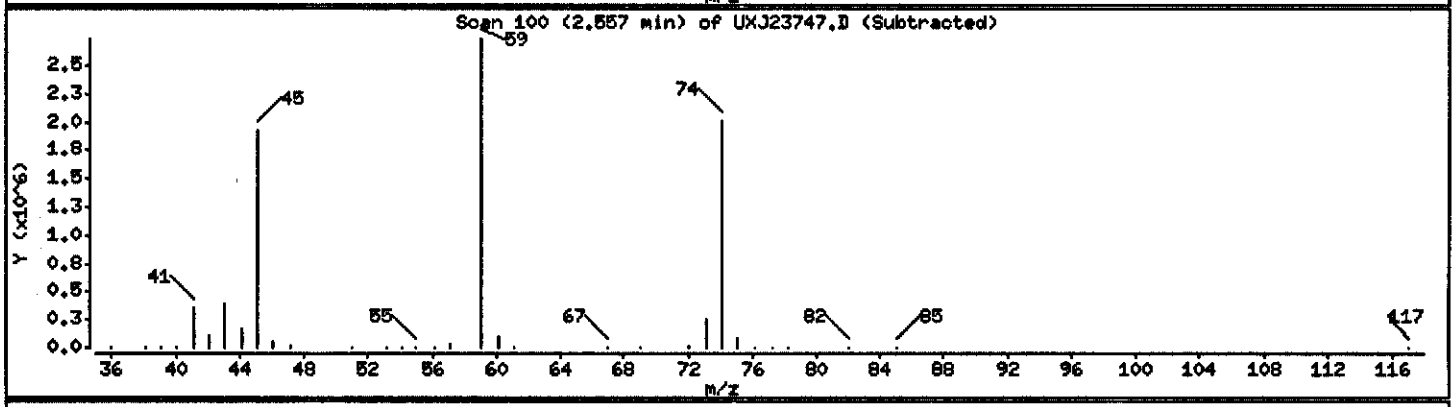
Sample Info: GPGDR2AA,1.75ML/5ML

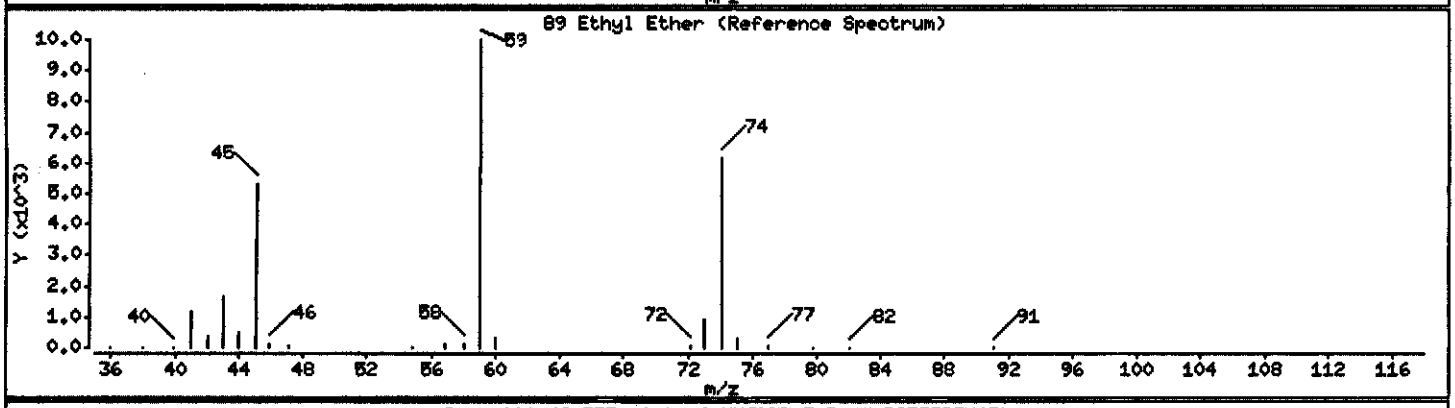
Purge Volume: 1.8 Operator: 43582

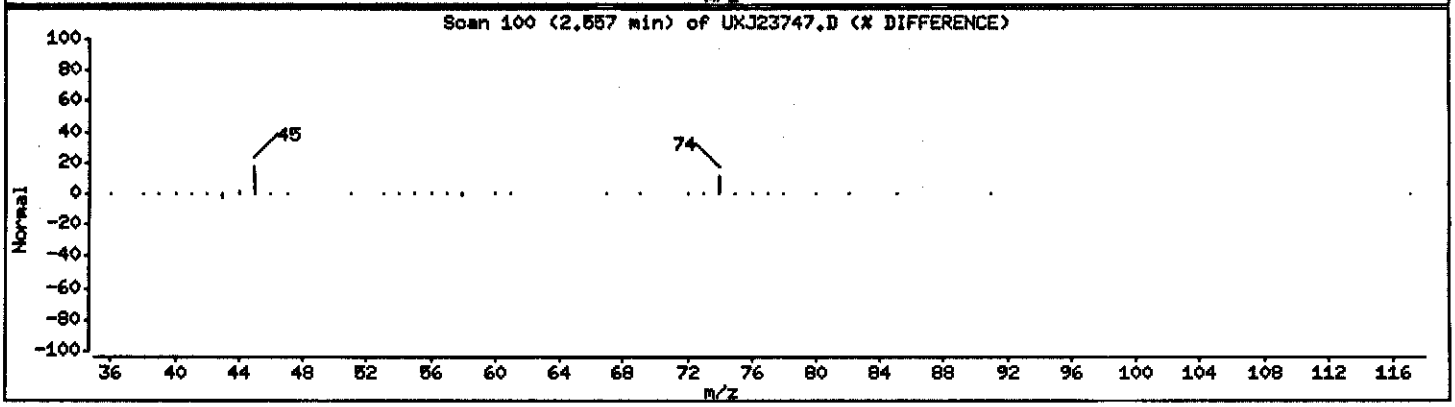
Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 363.71 ug/L









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Date : 03-SEP-2004 15:33

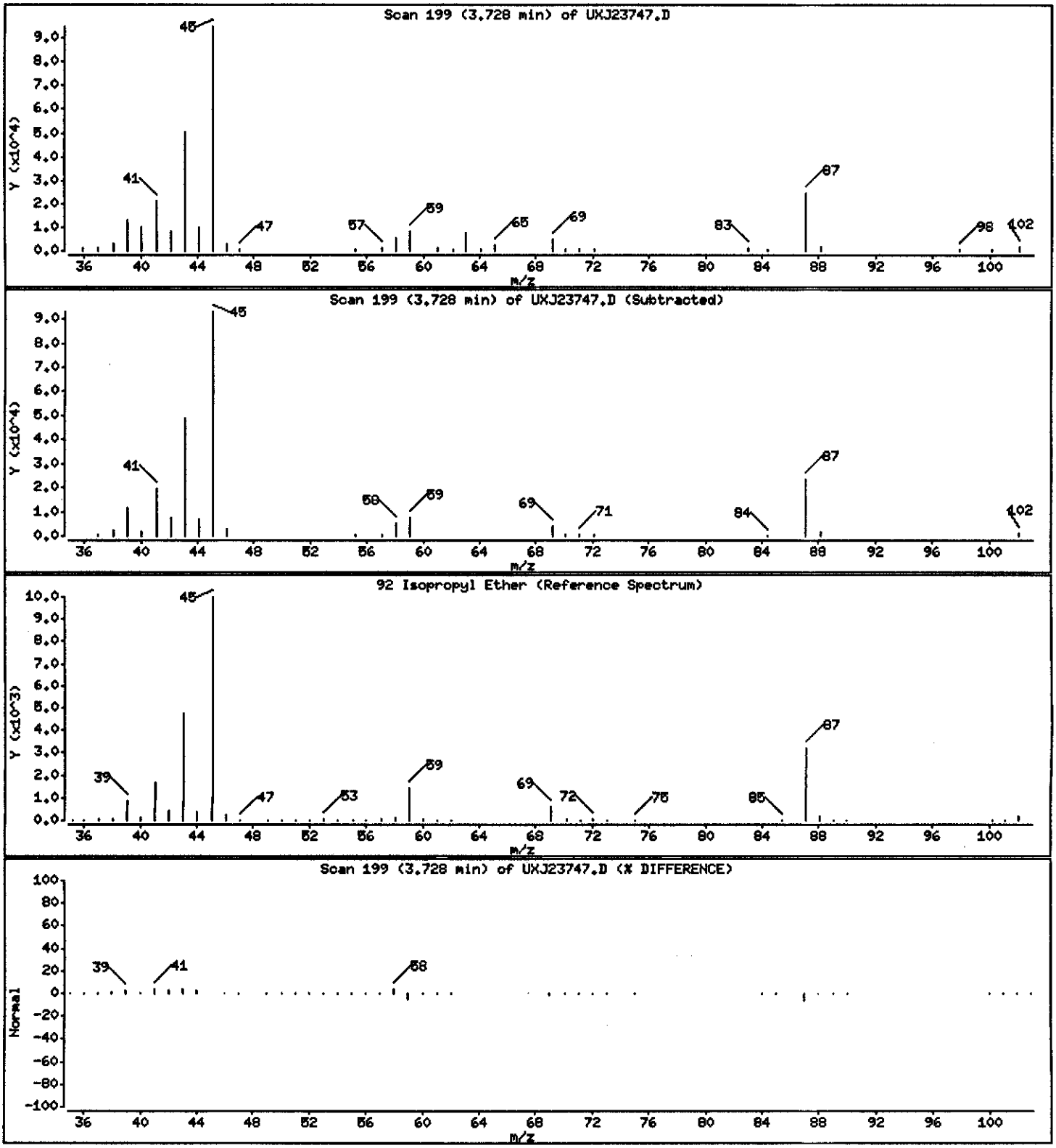
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPCDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

92 Isopropyl Ether Concentration: 4.045 ug/L



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Date : 03-SEP-2004 15:33

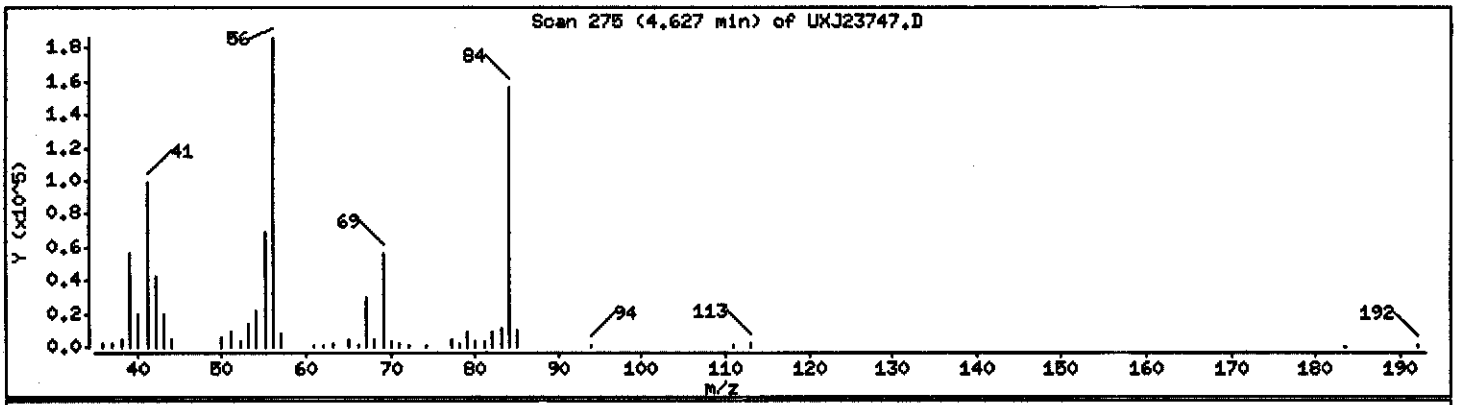
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

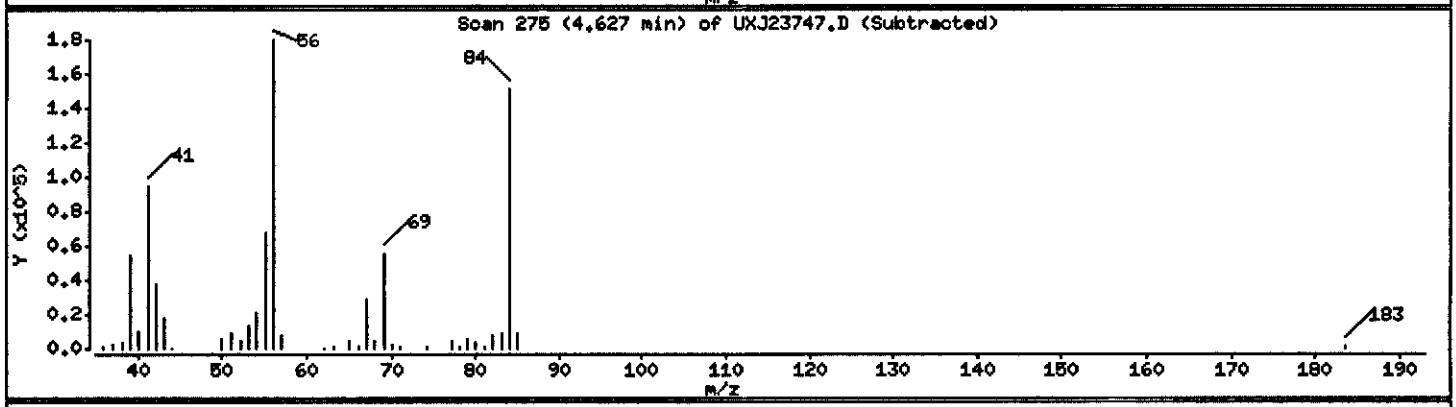
Sample Info: GPGDR2AA,1.75ML/5ML

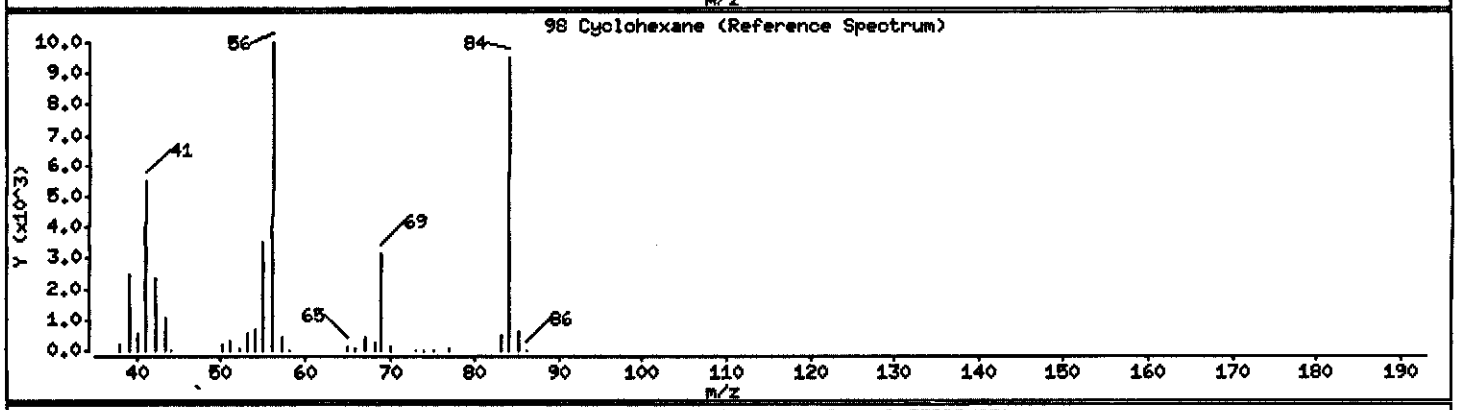
Purge Volume: 1.8 Operator: 43582

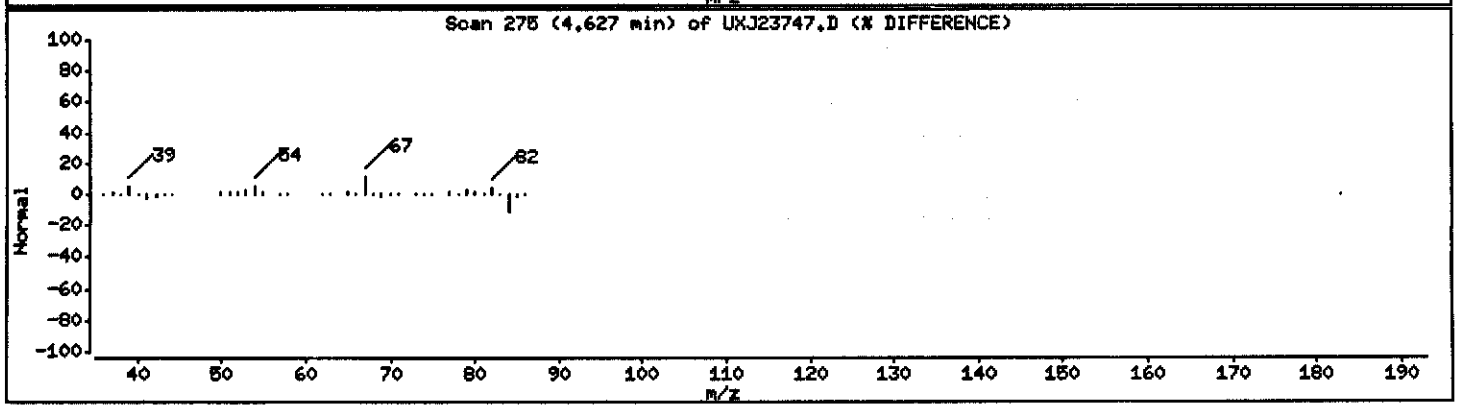
Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 20.152 ug/L









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Date : 03-SEP-2004 15:33

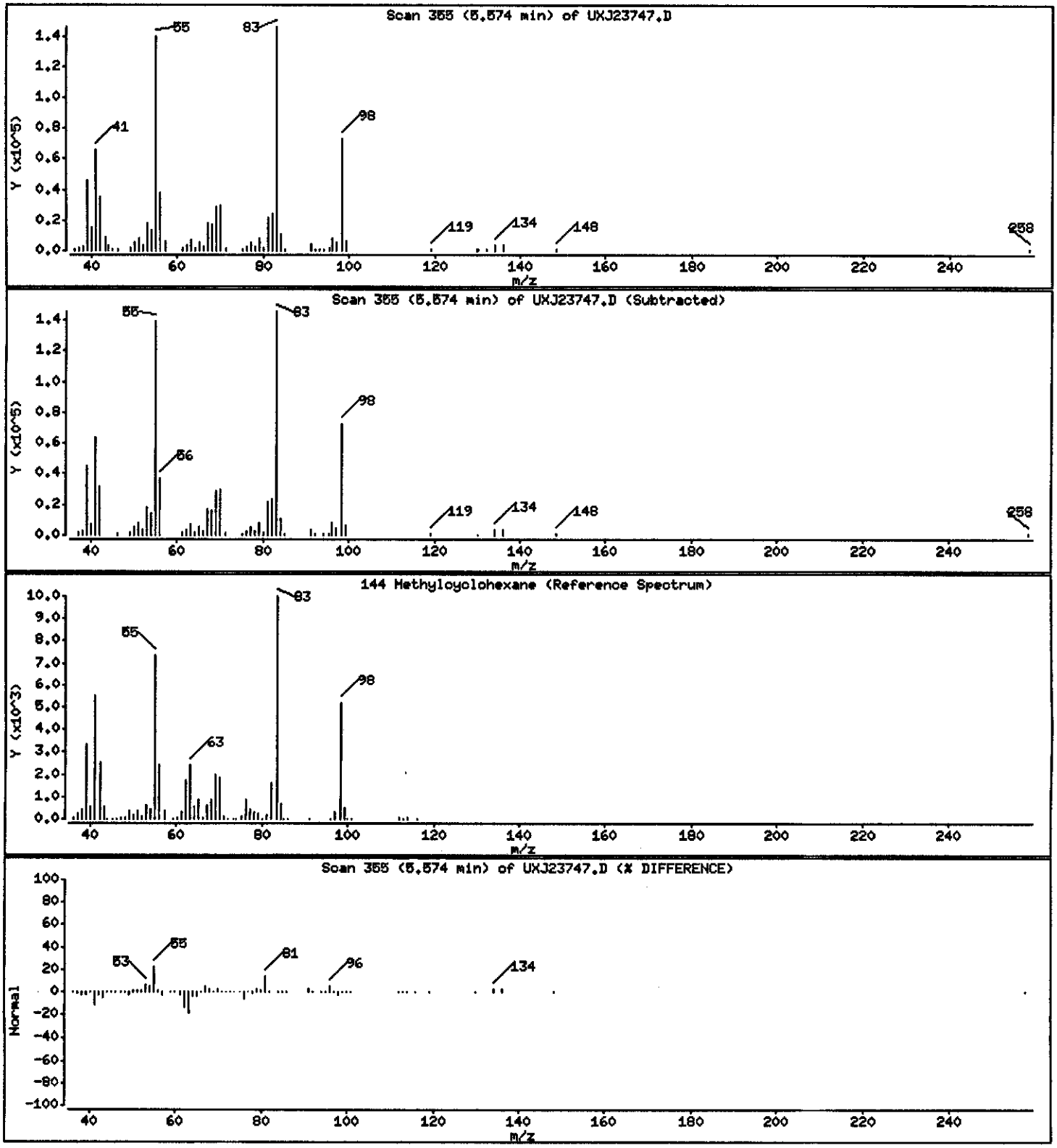
Client ID: OUTFALL-WR/090104 Instrument: a3ux11.i

Sample Info: GPGDR2AA,1.75ML/5ML

Purge Volume: 1.8 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 17.293 ug/L



PAYNE FIRM INC.

Client Sample ID: FB01/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-009 **Work Order #...:** GPGDT1AA **Matrix.....:** WQ
Date Sampled...: 09/01/04 11:15 **Date Received..:** 09/02/04
Prep Date.....: 09/02/04 **Analysis Date..:** 09/02/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.5**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB01/090104

GC/MS Volatiles

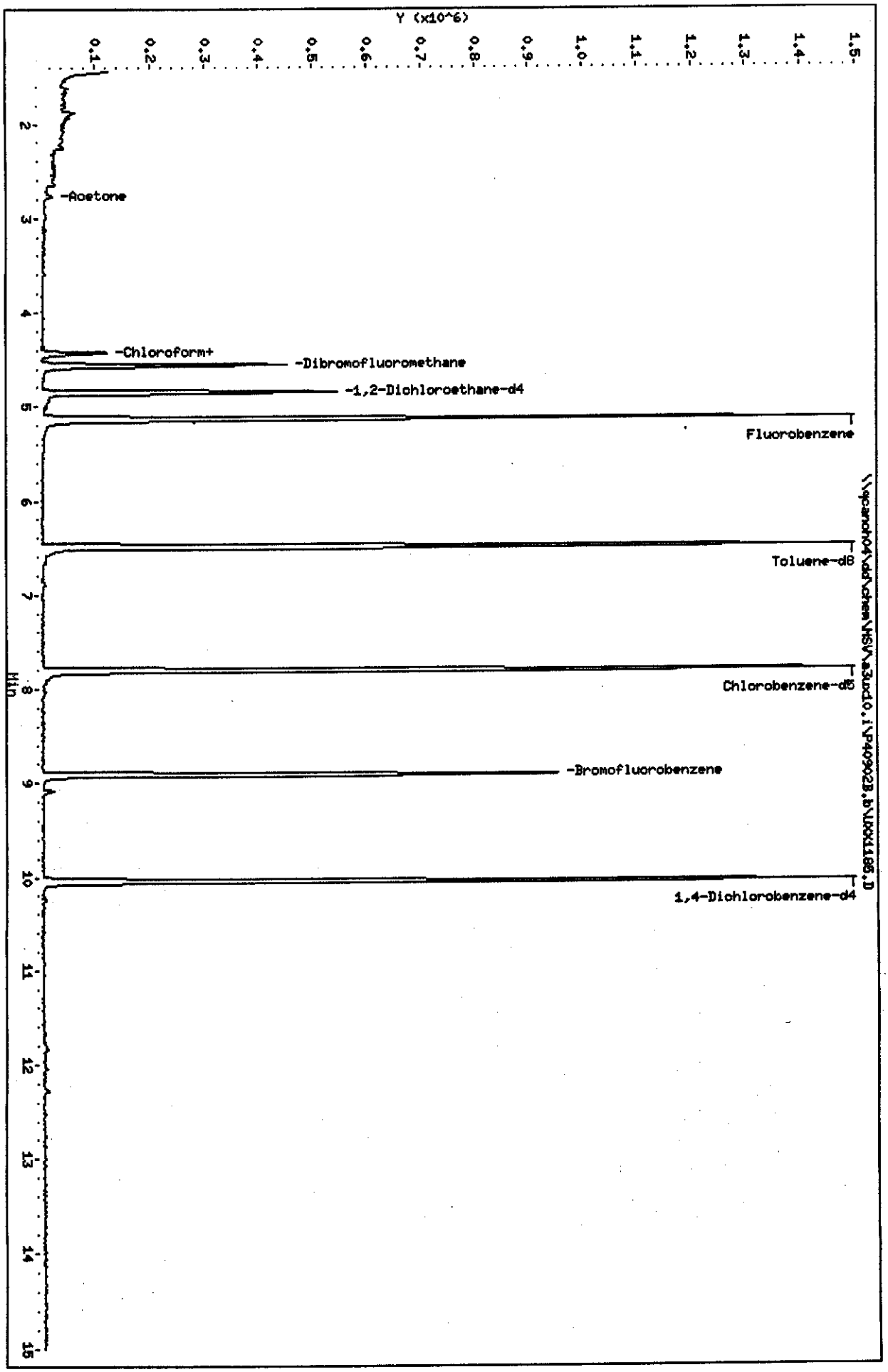
Lot-Sample #...: A4I020164-009 **Work Order #...:** GPGDT1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P409028.b\UX01185.D
Date : 02-SEP-2004 23:03
Client ID: FB01/090104
Sample Info: CPGU11A0,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1185.D
Report Date: 03-Sep-2004 17:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1185.D
Lab Smp Id: GPGDT1AA
Client Smp ID: FB01/090104
Inj Date : 02-SEP-2004 23:03
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGDT1AA,5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1510922	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1087263	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	505186	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	295498	52.1429	10.428
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	425925	54.5112	10.902
$ 6 Toluene-d8	98	6.496	6.495	(0.832)	1175722	52.4782	10.496
$ 7 Bromofluorobenzene	95	8.910	8.909	(1.141)	391295	44.9571	8.991
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.768	2.768	(0.539)	18426	3.41502	0.6830
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1185.D
Report Date: 03-Sep-2004 17:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.437	4.436	(0.864)	90309	7.67048	1.534
	36 Tetrahydrofuran	42	4.437	4.425	(0.864)	9790	2.68149	0.5363
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1185.D
Report Date: 03-Sep-2004 17:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1185.D

Date : 02-SEP-2004 23:03

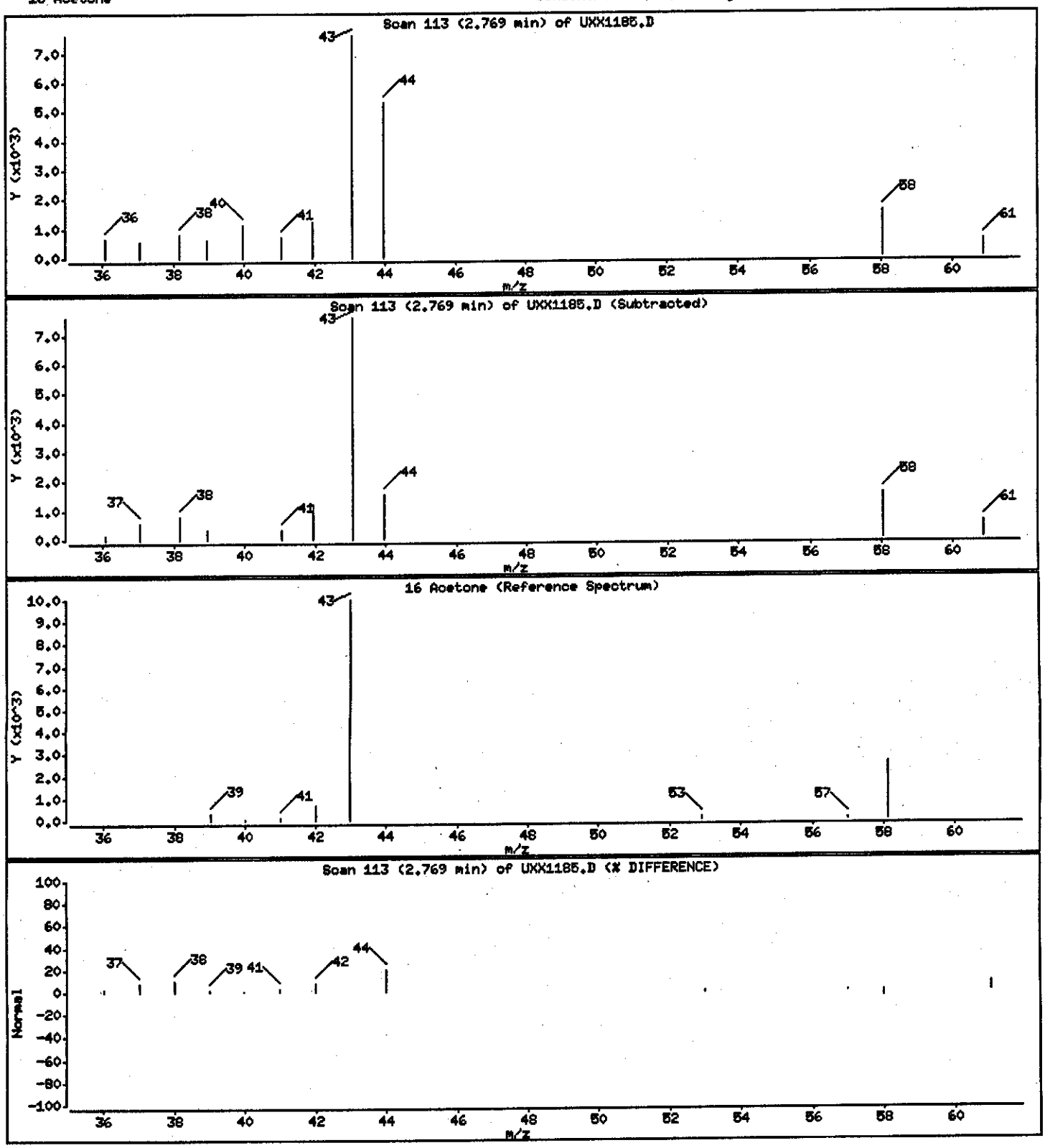
Client ID: FB01/090104 Instrument: a3ux10.i

Sample Info: GPGDT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.6830 ug/L



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Date : 02-SEP-2004 23:03

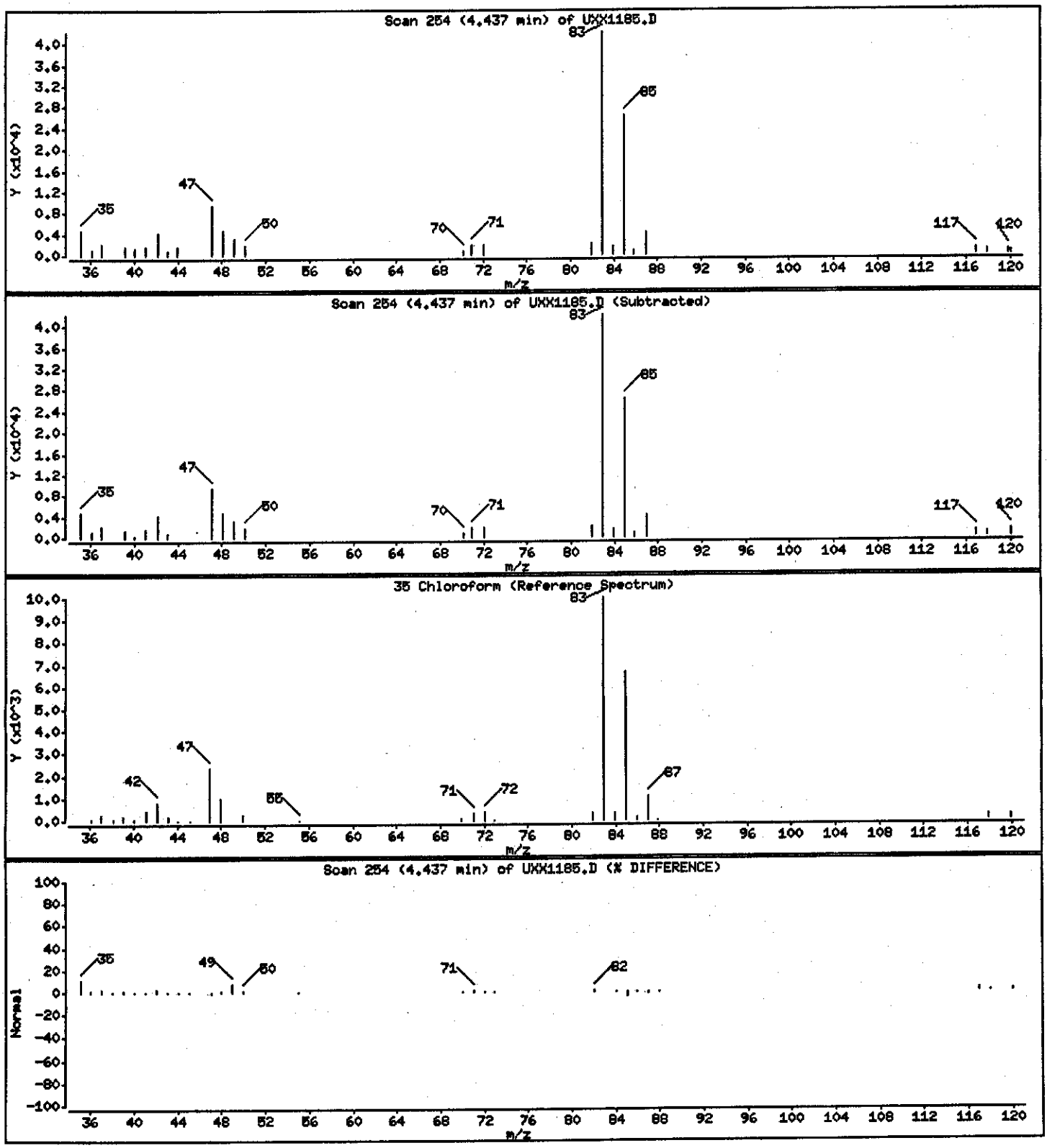
Client ID: FB01/090104 Instrument: a3ux10.i

Sample Info: GPGDT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 1.534 ug/L



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Date : 02-SEP-2004 23:03

Client ID: FB01/090104

Instrument: a3ux10.i

Sample Info: GPCDT1AA,5ML/5ML

Purge Volume: 5.0

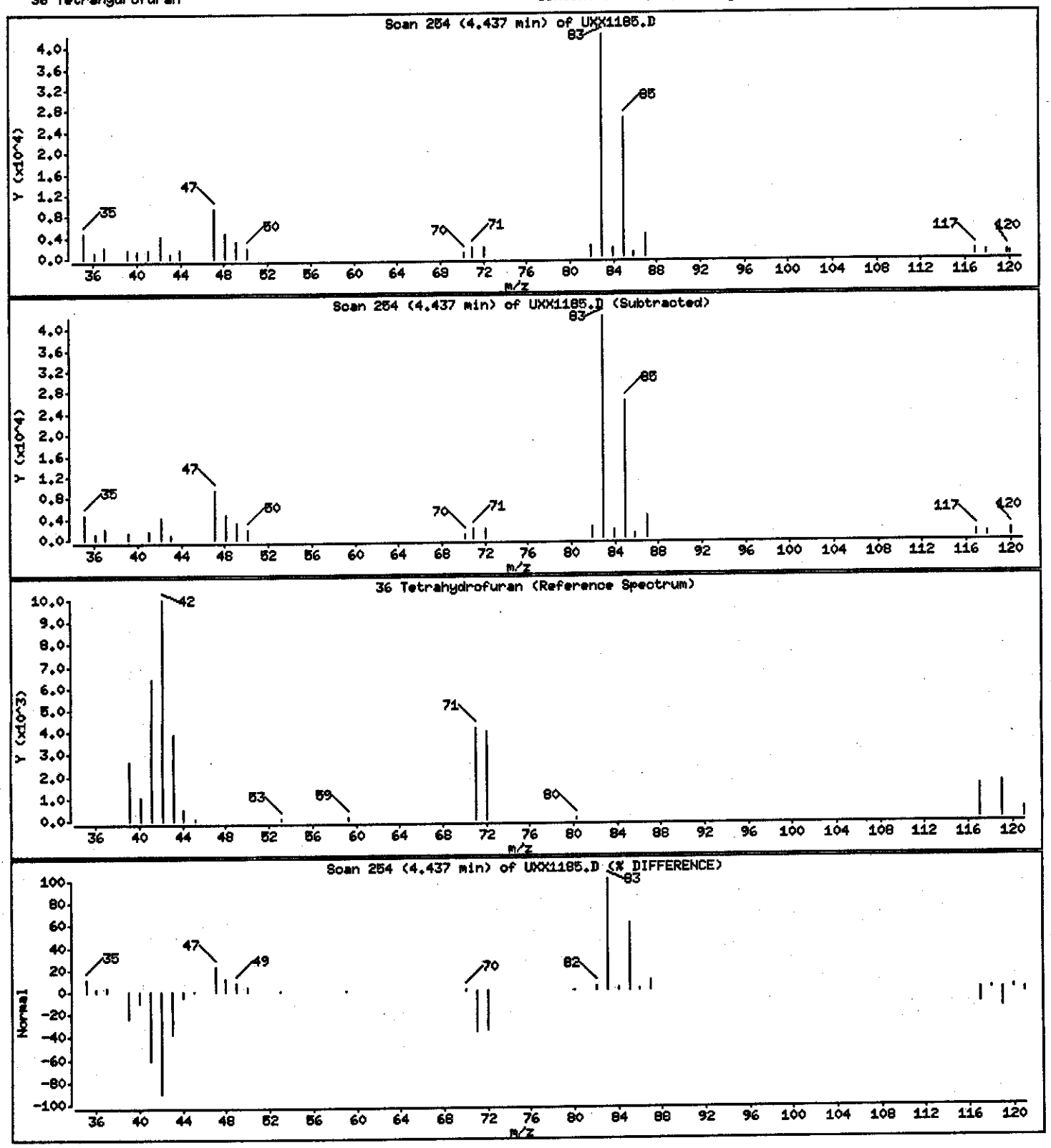
Operator: 1904

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 0.5363 ug/L



PAYNE FIRM INC.

Client Sample ID: DUP01/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-010 **Work Order #...:** GPGDV1AA **Matrix.....:** WQ
Date Sampled...: 09/01/04 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	100	ug/L
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Benzene	**46**	**10**	**ug/L**
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	**12**	**10**	**ug/L**
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
Chloroethane	**2.5 J**	**10**	**ug/L**
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
3-Chloropropene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
1,1-Dichloroethane	**3.6 J**	**10**	**ug/L**
1,2-Dichloroethane	ND	10	ug/L
cis-1,2-Dichloroethene	**4.9 J**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene (total)	**4.9 J**	**20**	**ug/L**
Dichlorofluoromethane	ND	20	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	**3700**	**500**	**ug/L**
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP01/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-010 **Work Order #...:** GPGDV1AA **Matrix.....:** WQ

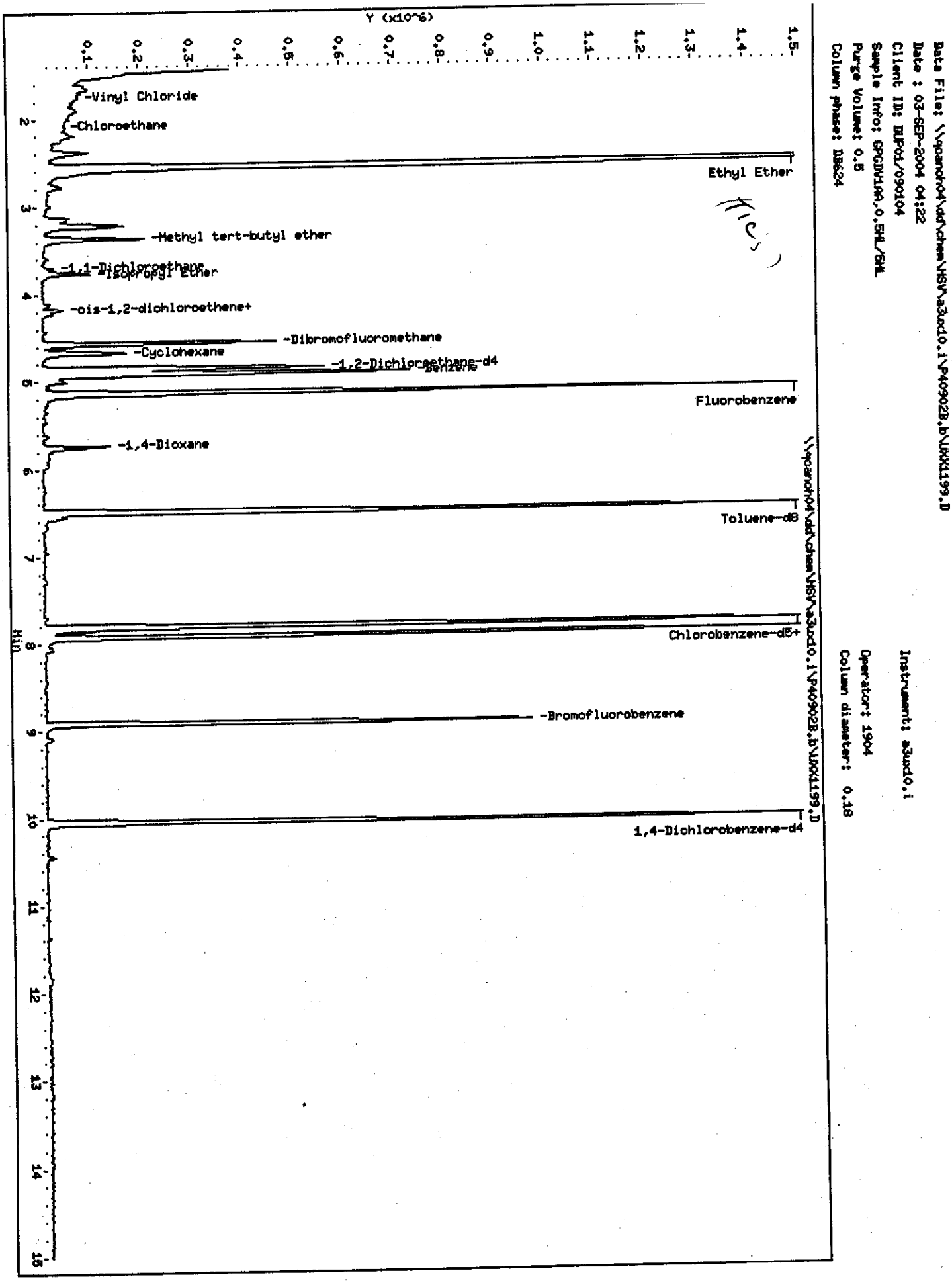
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutanol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L
Methylene chloride	ND	10	ug/L
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	**3.9 J**	**10**	**ug/L**
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Elevated reporting limits due to TICs.


Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1199.D
Date : 03-SEP-2004 04:22
Client ID: DUP01/090104
Sample Info: GPGDV10A,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Chloroethane
Ethyl Ether
-Methyl tert-butyl ether
-1,1-Dichloroethane
-Isopropyl Ether
-cis-1,2-dichloroethene+
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
-Benzene
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5+
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1199.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1199.D
Report Date: 03-Sep-2004 17:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1199.D
Lab Smp Id: GPGDV1AA
Client Smp ID: DUP01/090104
Inj Date : 03-SEP-2004 04:22
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGDV1AA,0.5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1541782	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1074836	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	508354	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	289510	50.0637	100.13
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	406501	50.9839	101.97
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1189147	53.6911	107.38
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	399174	46.3925	92.785
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.750	1.750	(0.341)	13396	1.93115	3.862
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	2.117	2.129	(0.412)	6956	1.24019	2.480
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1199.D
Report Date: 03-Sep-2004 17:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.371	3.372	(0.657)	203780	9.57654	19.153
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.702	3.703	(0.721)	21398	1.82247	3.645
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				17795	2.44557	4.891
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	17795	2.44557	4.891
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.909	4.910	(0.956)	675483	23.2116	46.423
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	152344	1860.03	3720.1(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.832	7.832	(1.003)	102443	5.85074	11.701
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1199.D
Report Date: 03-Sep-2004 17:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.543	2.544	(0.495)	3179468	399.679	799.36(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.762	3.763	(0.733)	22900	3.89925	7.798
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.223	4.224	(0.823)	29290	3.11807	6.236
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.673	4.673	(0.910)	88938	8.40710	16.814
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qoanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1199.D

Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV1AA,0.5ML/5ML

Purge Volume: 0.5

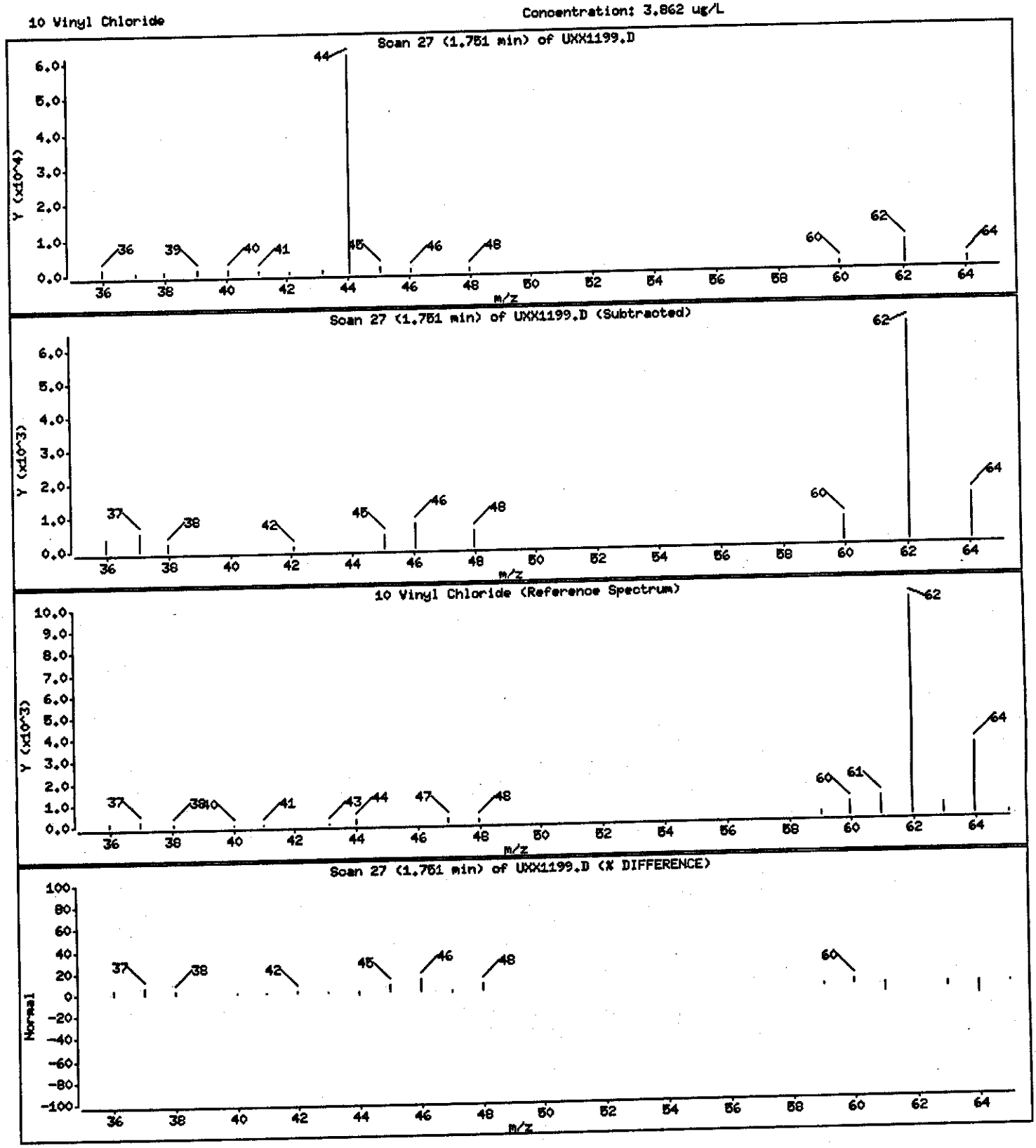
Operator: 1904

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 3.862 ug/L



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV1AA,0.5ML/5ML

Operator: 1904

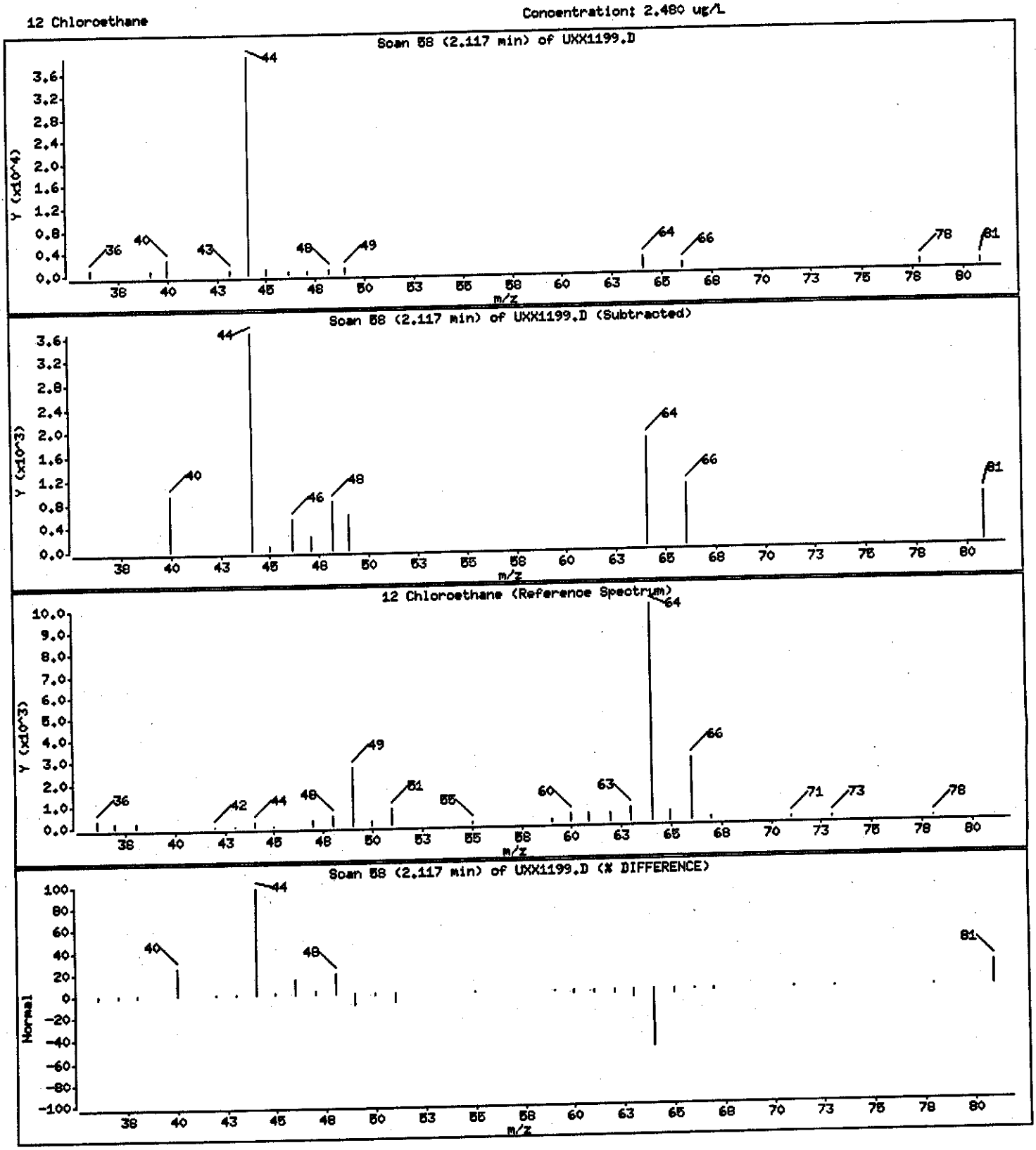
Purge Volume: 0.5

Column phase: DB624

Column diameter: 0.18

Concentration: 2.480 ug/L

12 Chloroethane



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV1AA,0.5ML/5ML

Operator: 1904

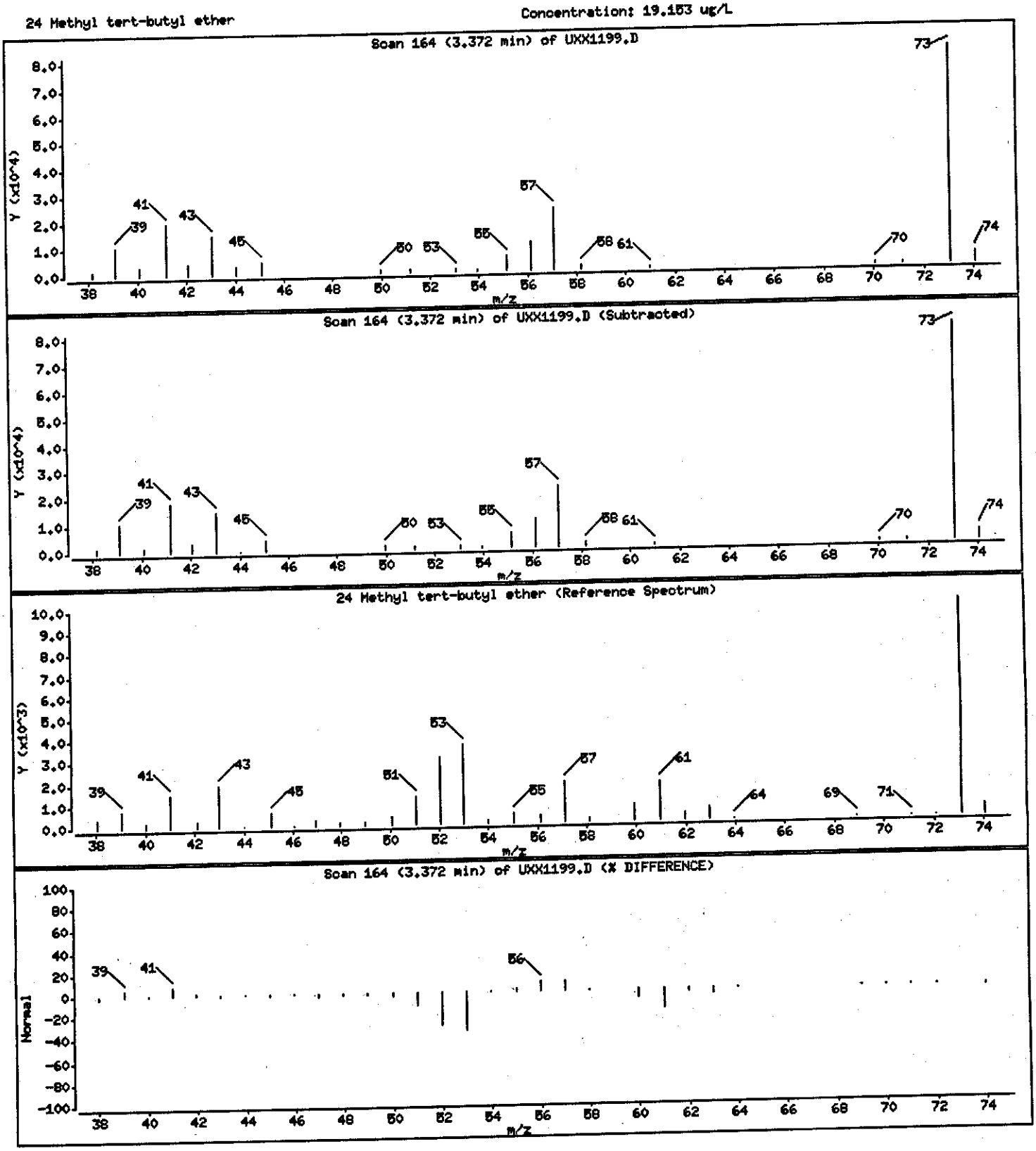
Purge Volume: 0.5

Column diameter: 0.18

Column phase: DB624

Concentration: 19.153 ug/L

24 Methyl tert-butyl ether



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV1AA,0.5ML/5ML

Purge Volume: 0.5

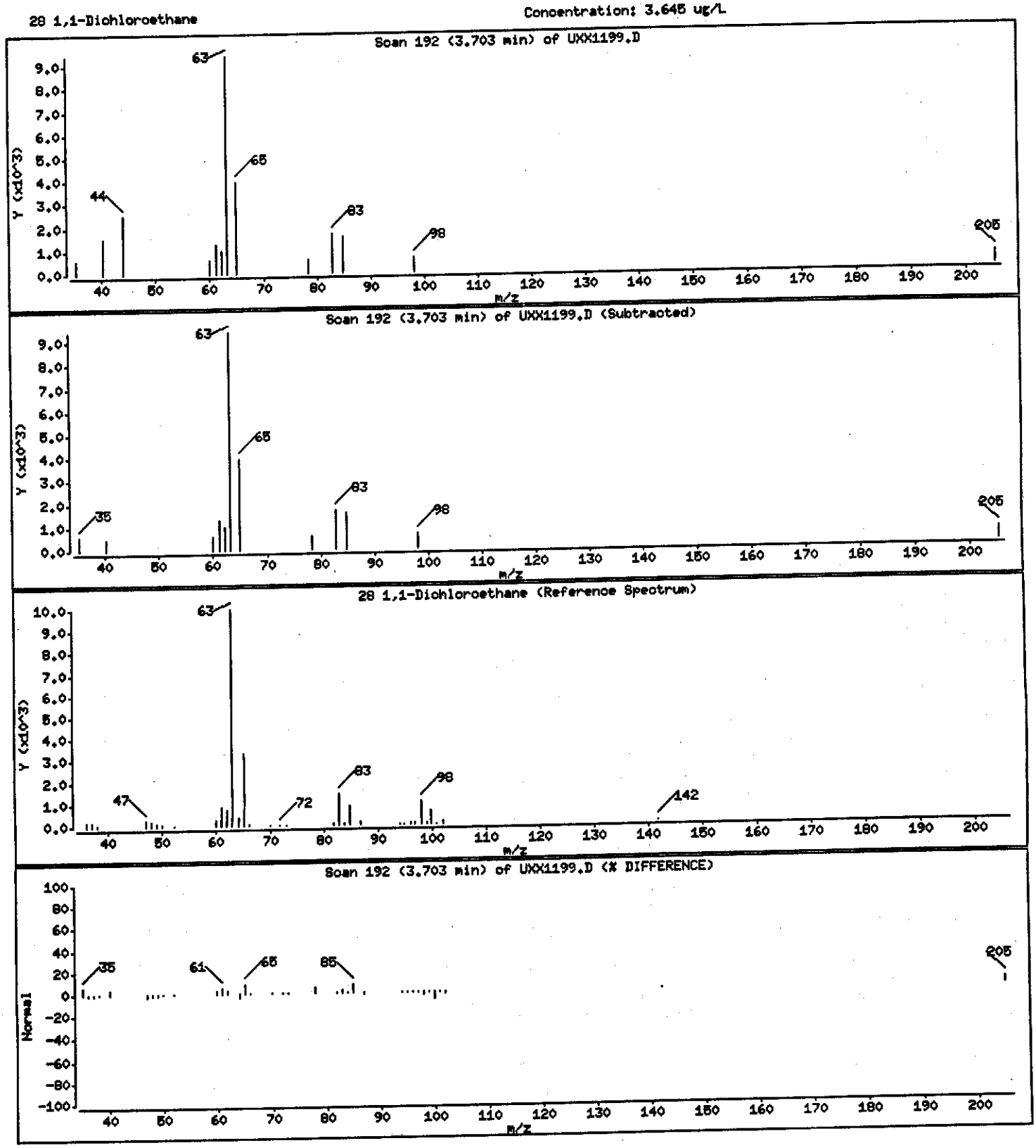
Operator: 1904

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 3.645 ug/L



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV1AA,0.5ML/5ML

Operator: 1904

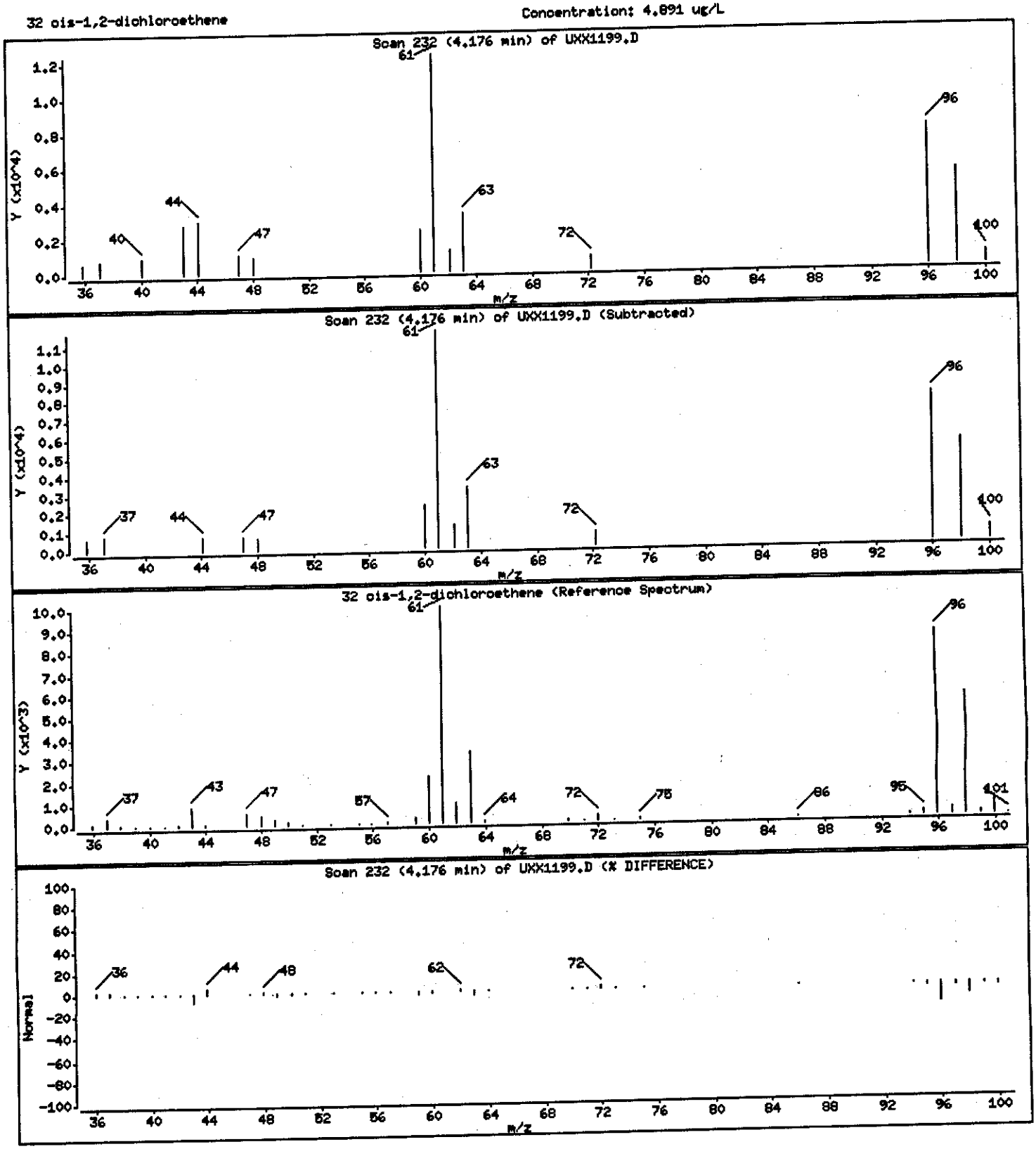
Purge Volume: 0.5

Column diameter: 0.18

Column phase: DB624

Concentration: 4.891 ug/L

32 cis-1,2-dichloroethene



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV1AA,0.5ML/5ML

Operator: 1904

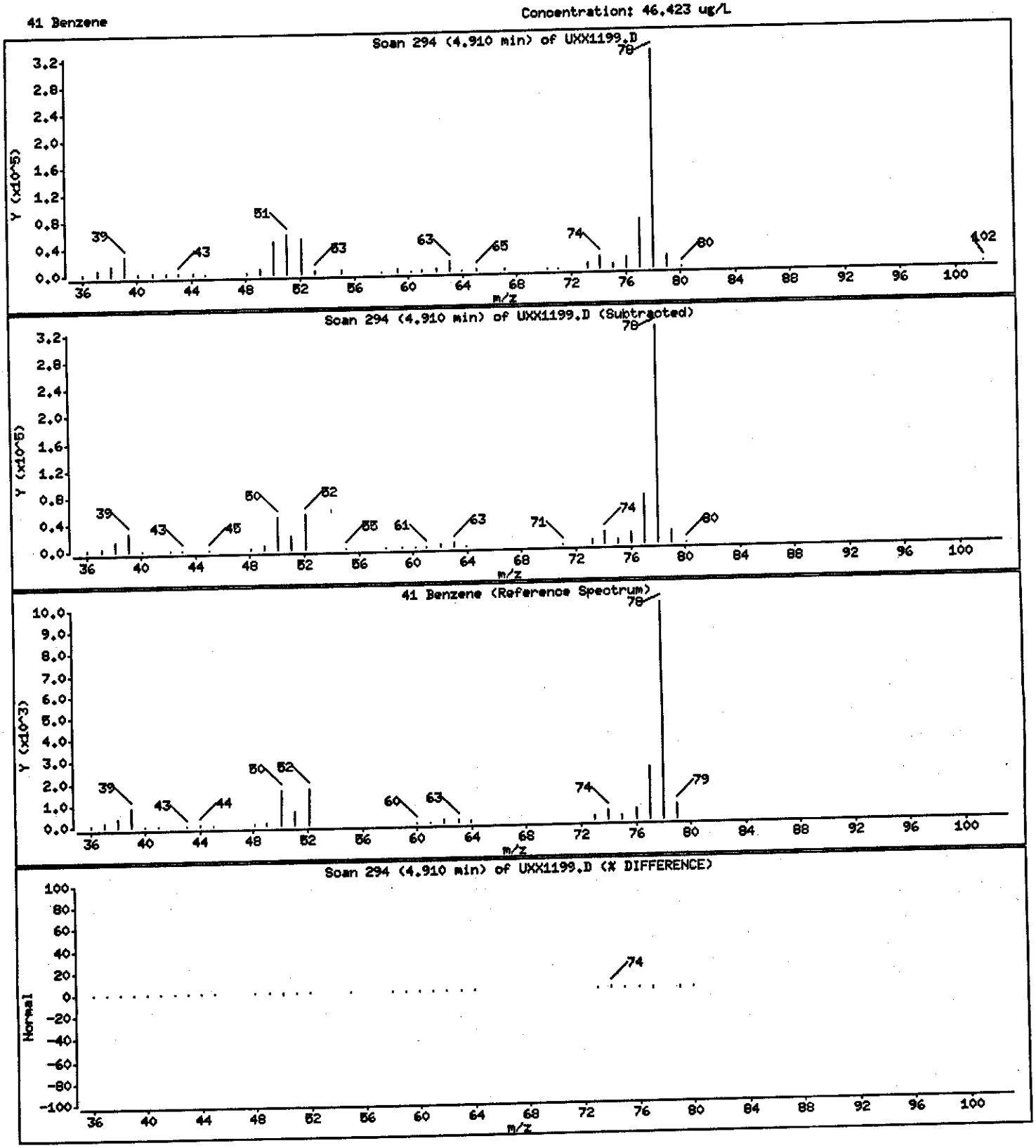
Purge Volume: 0.5

Column phase: DB624

Column diameter: 0.18

Concentration: 46.423 ug/L

41 Benzene



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV1AA,0.5ML/5ML

Purge Volume: 0.5

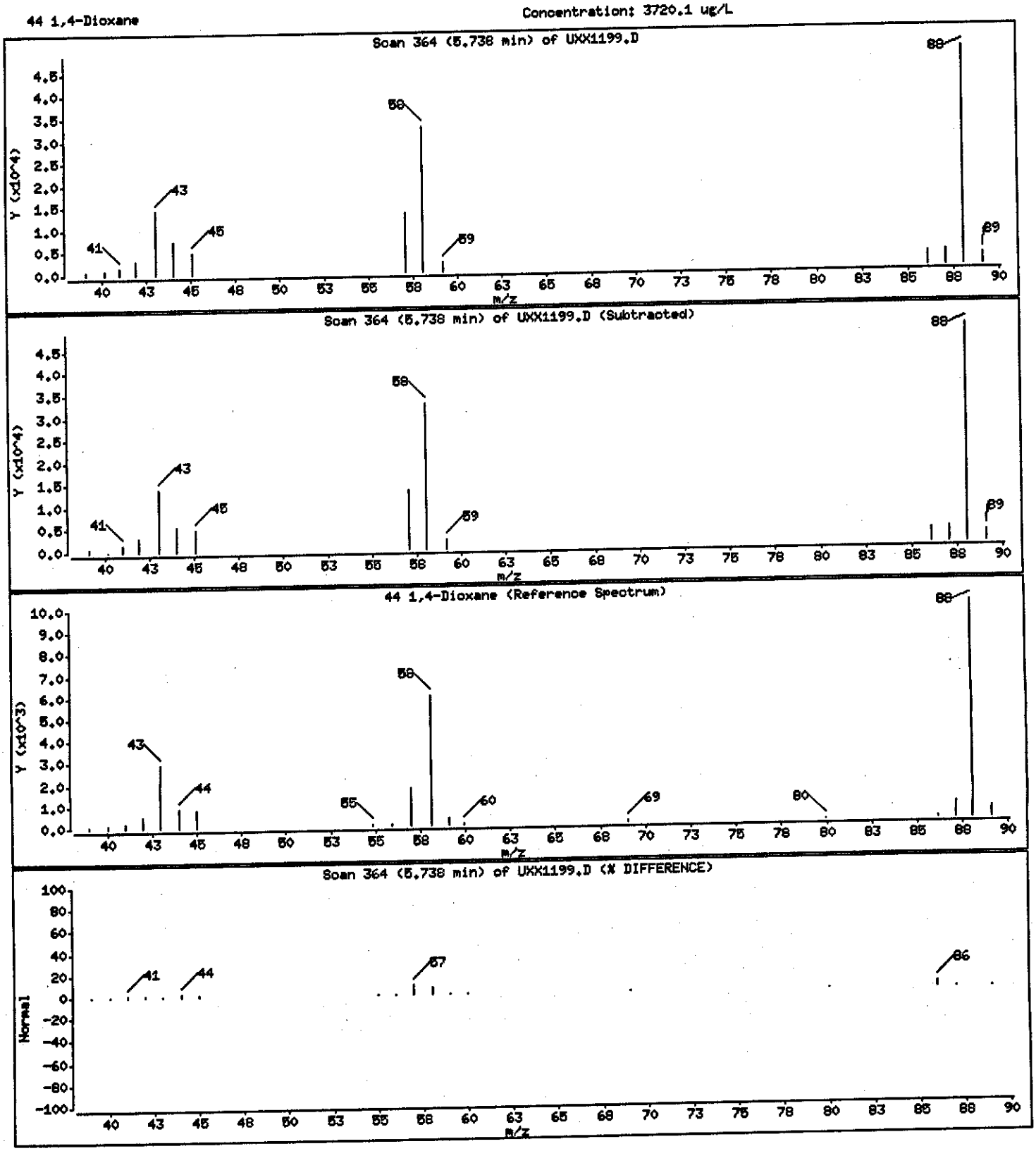
Operator: 1904

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 3720.1 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1199.D

Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV1AA,0.5ML/5ML

Operator: 1904

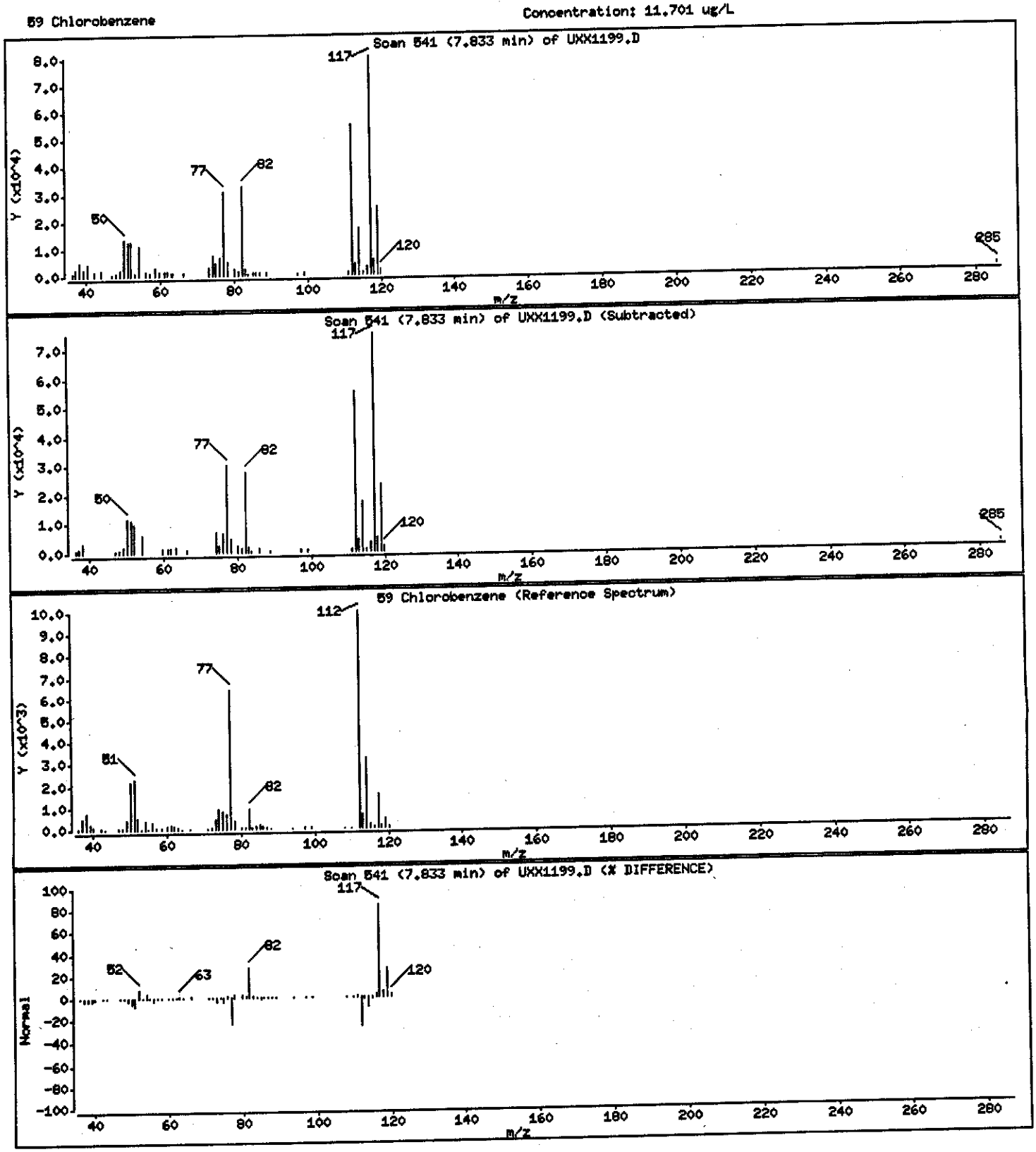
Purge Volume: 0.5

Column phase: DB624

Column diameter: 0.18

Concentration: 11.701 ug/L

59 Chlorobenzene



Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1199.D

Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Sample Info: GPGDV1AA,0.5ML/5ML

Purge Volume: 0.5

Column phase: DB624

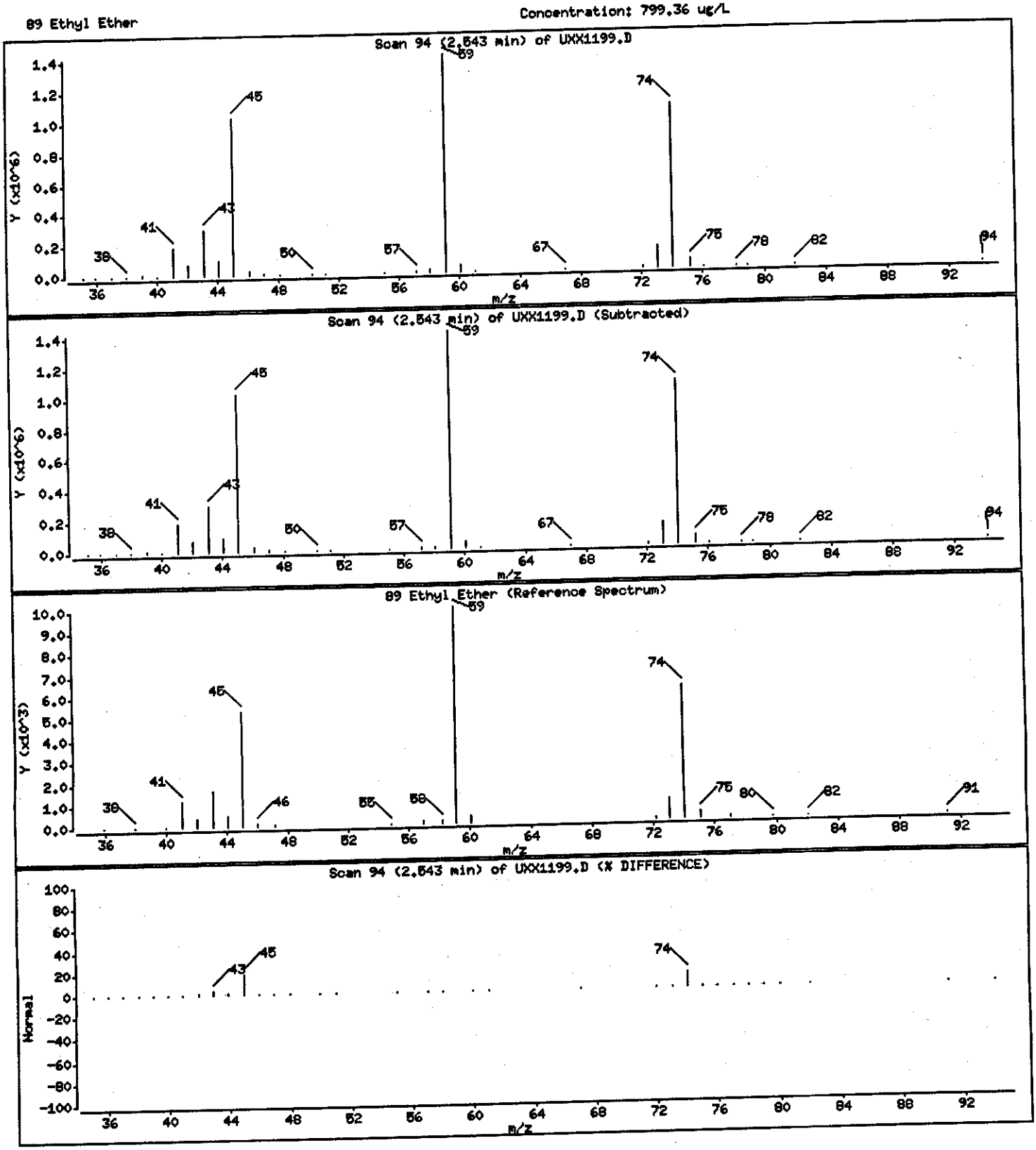
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 799.36 ug/L

89 Ethyl Ether



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV1AA,0.5ML/5ML

Purge Volume: 0.5

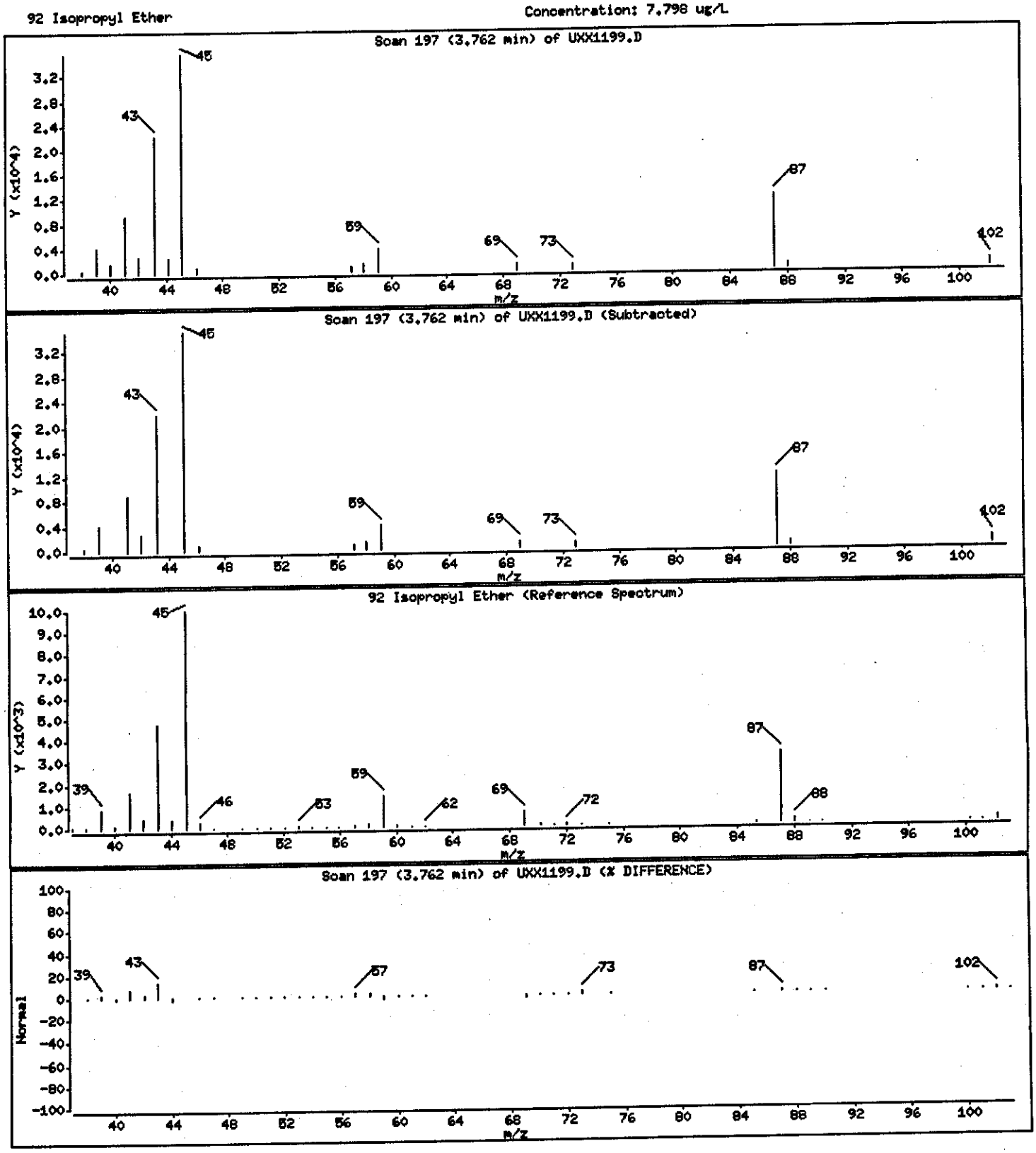
Operator: 1904

Column phase: DB624

Column diameter: 0.18

92 Isopropyl Ether

Concentration: 7.798 ug/L



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV1AA,0.5ML/5ML

Operator: 1904

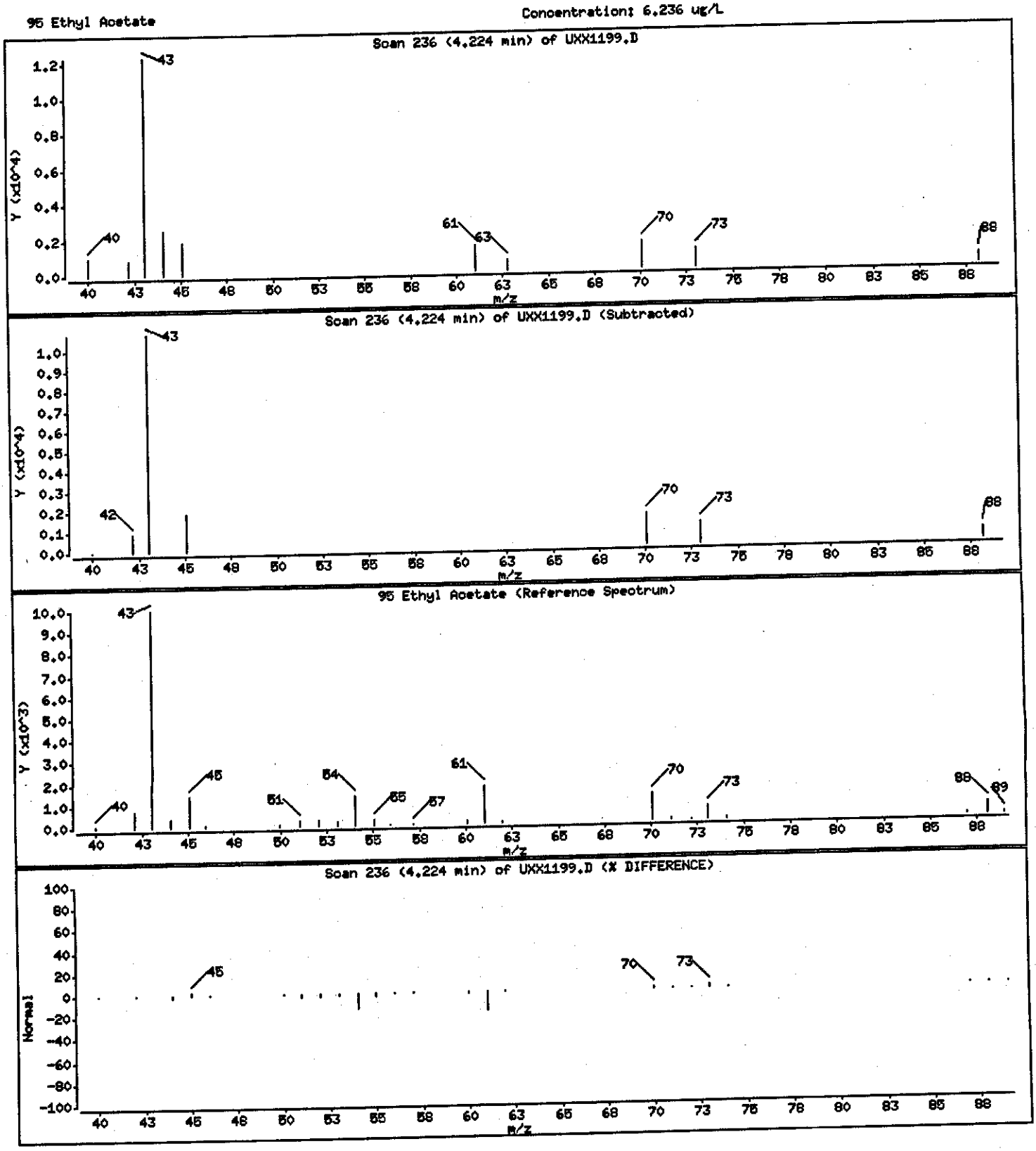
Purge Volume: 0.5

Column diameter: 0.18

Column phase: DB624

Concentration: 6.236 ug/L

95 Ethyl Acetate



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Date : 03-SEP-2004 04:22

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV1AA,0.5ML/5ML

Operator: 1904

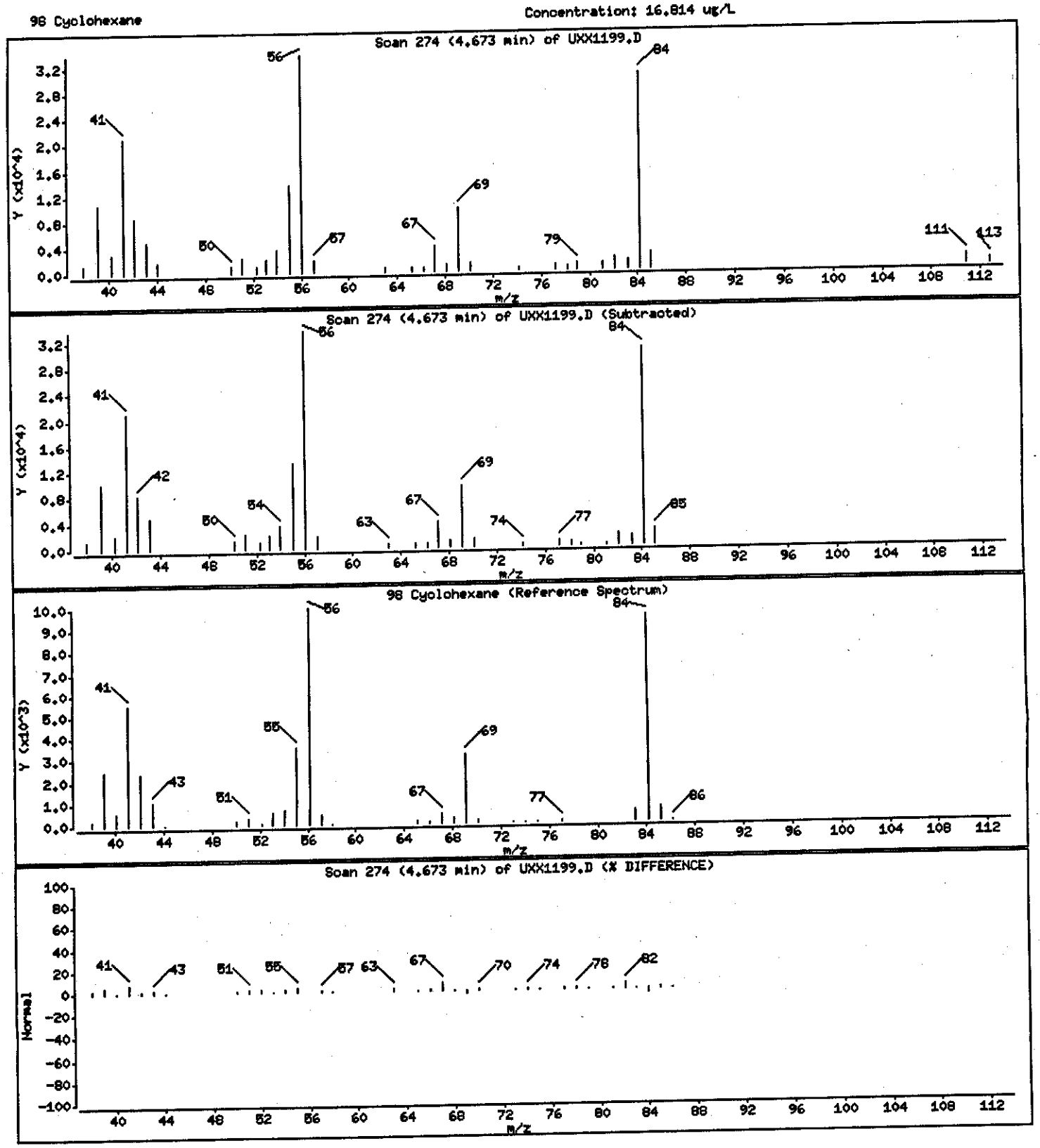
Purge Volume: 0.5

Column phase: DB624

Column diameter: 0.18

Concentration: 16.814 ug/L

98 Cyclohexane



PAYNE FIRM INC.

Client Sample ID: DUP01/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-010 **Work Order #...:** GPGDV2AA **Matrix.....:** WQ
Date Sampled...: 09/01/04 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**57 E**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	**13**	**1.0**	**ug/L**
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	**1.8**	**1.0**	**ug/L**
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	**3.7**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**5.6**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**0.26 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**5.8**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**2000 E**	**50**	**ug/L**
Ethylbenzene	**0.19 J**	**1.0**	**ug/L**
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP01/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-010 **Work Order #...:** GPGDV2AA **Matrix.....:** WQ

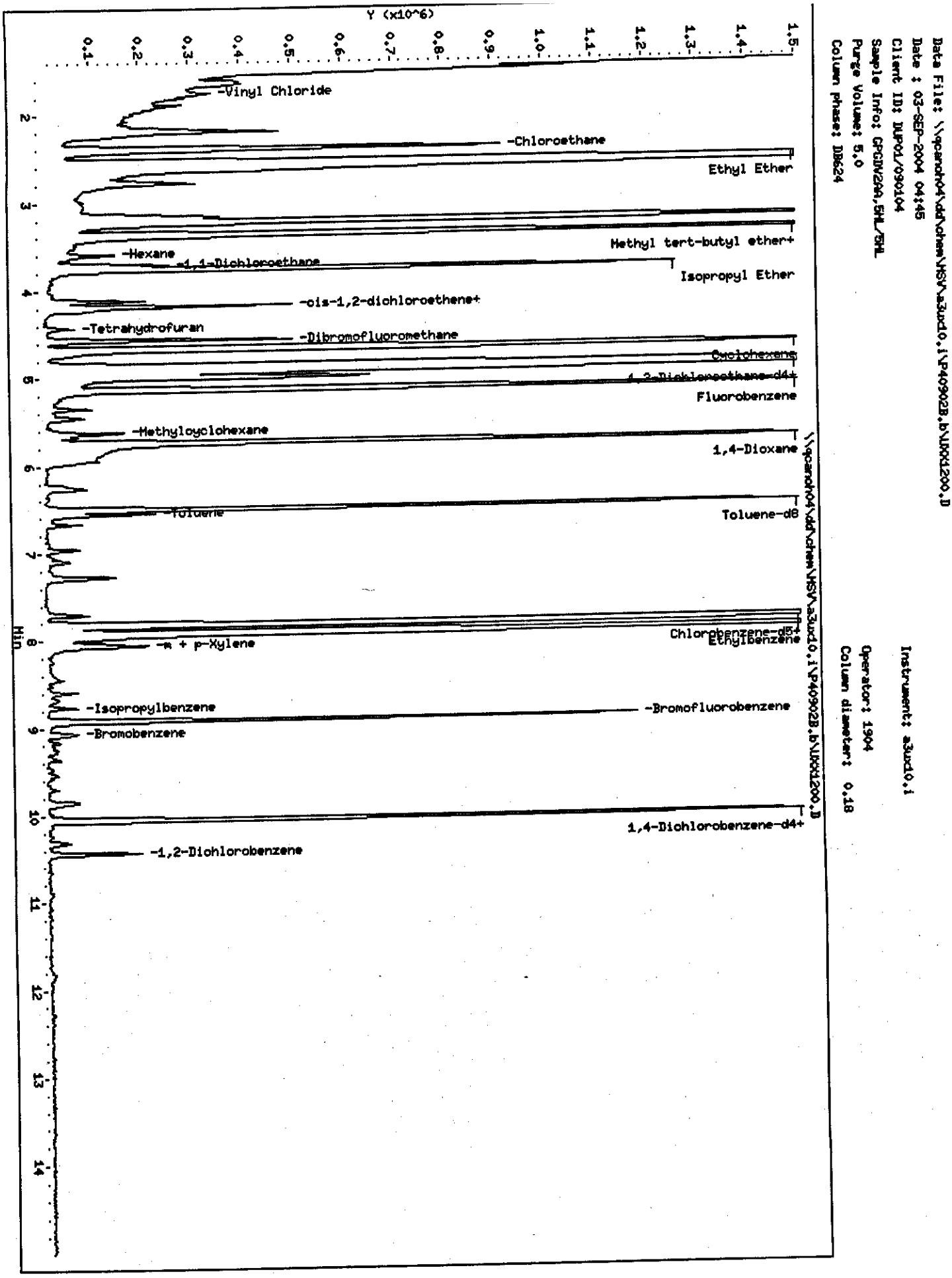
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.75 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	**3.2**	**1.0**	**ug/L**
Xylenes (total)	**0.50 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D
Date : 03-SEP-2004 04:45
Client ID: DUP01/090104
Sample Info: GPGDV2AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Chloroethane
Ethyl Ether
Methyl tert-butyl ether+
-Hexane
-1,1-Dichloroethane
Isopropyl Ether
-cis-1,2-dichloroethene+
-Tetrahydrofuran
-Dibromofluoromethane
Cyclohexane
1,2-Dichloroethane-d4+
Fluorobenzene
-Methylcyclohexane
1,4-Dioxane
-Toluene
Toluene-d8
Chlorobenzene-d5+
Ethylbenzene
-m + p-Xylene
-Isopropylbenzene
-Bromofluorobenzene
-Bromobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D
Report Date: 03-Sep-2004 18:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D
Lab Smp Id: GPGDV2AA
Client Smp ID: DUP01/090104
Inj Date : 03-SEP-2004 04:45
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GPGDV2AA,5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 17:34 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.136	5.135	(1.000)	1720770	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.809	(1.000)	1183178	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.045	(1.000)	559489	50.0000	
$ 4 Dibromofluoromethane	113	4.568	4.567	(0.889)	320041	49.5867	9.917
$ 5 1,2-Dichloroethane-d4	65	4.852	4.851	(0.945)	449189	50.4779	10.096
$ 6 Toluene-d8	98	6.497	6.495	(0.832)	1308700	53.6783	10.736
$ 7 Bromofluorobenzene	95	8.911	8.909	(1.141)	468161	49.4280	9.886
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.752	1.750	(0.341)	122102	15.7712	3.154
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	2.131	2.129	(0.415)	57435	9.17498	1.835
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D
Report Date: 03-Sep-2004 18:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)	
	19 Iodomethane	142	Compound Not Detected.						
	20 Carbon Disulfide	76	Compound Not Detected.						
	21 Methylene Chloride	84	Compound Not Detected.						
	22 Acetonitrile	41	Compound Not Detected.						
	23 Acrylonitrile	53	Compound Not Detected.						
	24 Methyl tert-butyl ether	73	3.362	3.372	(0.654)	2667926	112.337	22.467	
	25 trans-1,2-Dichloroethene	96	3.362	3.372	(0.654)	9631	1.27929	0.2558	
	26 Hexane	86	3.598	3.596	(0.701)	10880	7.20515	1.441	
	27 Vinyl acetate	43	Compound Not Detected.						
	28 1,1-Dichloroethane	63	3.705	3.703	(0.721)	243968	18.6174	3.723	
	29 tert-Butyl Alcohol	59	Compound Not Detected.						
	30 2-Butanone	43	Compound Not Detected.						
M	31 1,2-Dichloroethene (total)	96				235309	29.0682	5.814	
	32 cis-1,2-dichloroethene	96	4.178	4.176	(0.813)	225678	27.7889	5.558	
	33 2,2-Dichloropropane	77	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Chloroform	83	Compound Not Detected.						
	36 Tetrahydrofuran	42	4.426	4.425	(0.862)	44499	10.7020	2.140	
	37 1,1,1-Trichloroethane	97	Compound Not Detected.						
	38 1,1-Dichloropropene	75	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 1,2-Dichloroethane	62	Compound Not Detected.						
	41 Benzene	78	4.912	4.910	(0.956)	9324717	287.096	57.419(A)	E
	42 Trichloroethene	130	Compound Not Detected.						
	43 1,2-Dichloropropane	63	Compound Not Detected.						
	44 1,4-Dioxane	88	5.740	5.738	(1.117)	2063475	10225.1	2045.0(A)	E
	45 Dibromomethane	93	Compound Not Detected.						
	46 Bromodichloromethane	83	Compound Not Detected.						
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.						
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.						
	49 4-Methyl-2-pentanone	43	Compound Not Detected.						
	50 Toluene	91	6.556	6.555	(0.839)	111195	3.73042	0.7461	
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.						
	52 Ethyl Methacrylate	69	Compound Not Detected.						
	53 1,1,2-Trichloroethane	97	Compound Not Detected.						
	54 1,3-Dichloropropane	76	Compound Not Detected.						
	55 Tetrachloroethene	164	Compound Not Detected.						
	56 2-Hexanone	43	Compound Not Detected.						
	57 Dibromochloromethane	129	Compound Not Detected.						
	58 1,2-Dibromoethane	107	Compound Not Detected.						
	59 Chlorobenzene	112	7.834	7.832	(1.003)	1258571	65.2978	13.060	
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	61 Ethylbenzene	106	7.929	7.927	(1.015)	9944	0.97029	0.1940	
	62 m + p-Xylene	106	8.047	8.034	(1.030)	33104	2.51218	0.5024	
M	63 Xylenes (total)	106				33104	2.51218	0.5024	
	64 Xylene-o	106	Compound Not Detected.						
	65 Styrene	104	Compound Not Detected.						

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D
Report Date: 03-Sep-2004 18:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	8.769	8.767	(1.123)	44336	1.43517	0.2870
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	9.065	9.075	(0.902)	17004	2.42219	0.4844
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	10.071	10.069	(1.002)	26340	1.81058	0.3621
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.438	10.436	(1.039)	88208	6.58445	1.317
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.533	2.544	(0.493)	26996407	3040.62	608.12(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.752	3.763	(0.730)	287446	43.8533	8.771
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.225	4.224	(0.823)	124951	11.9181	2.384
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.663	4.673	(0.908)	1271093	107.656	21.531
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.633	5.632	(1.097)	66496	6.02068	1.204
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qoanoh04\dd\chem\HSV\a3ux10.i\P40902B.b\UXX1200.D

Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

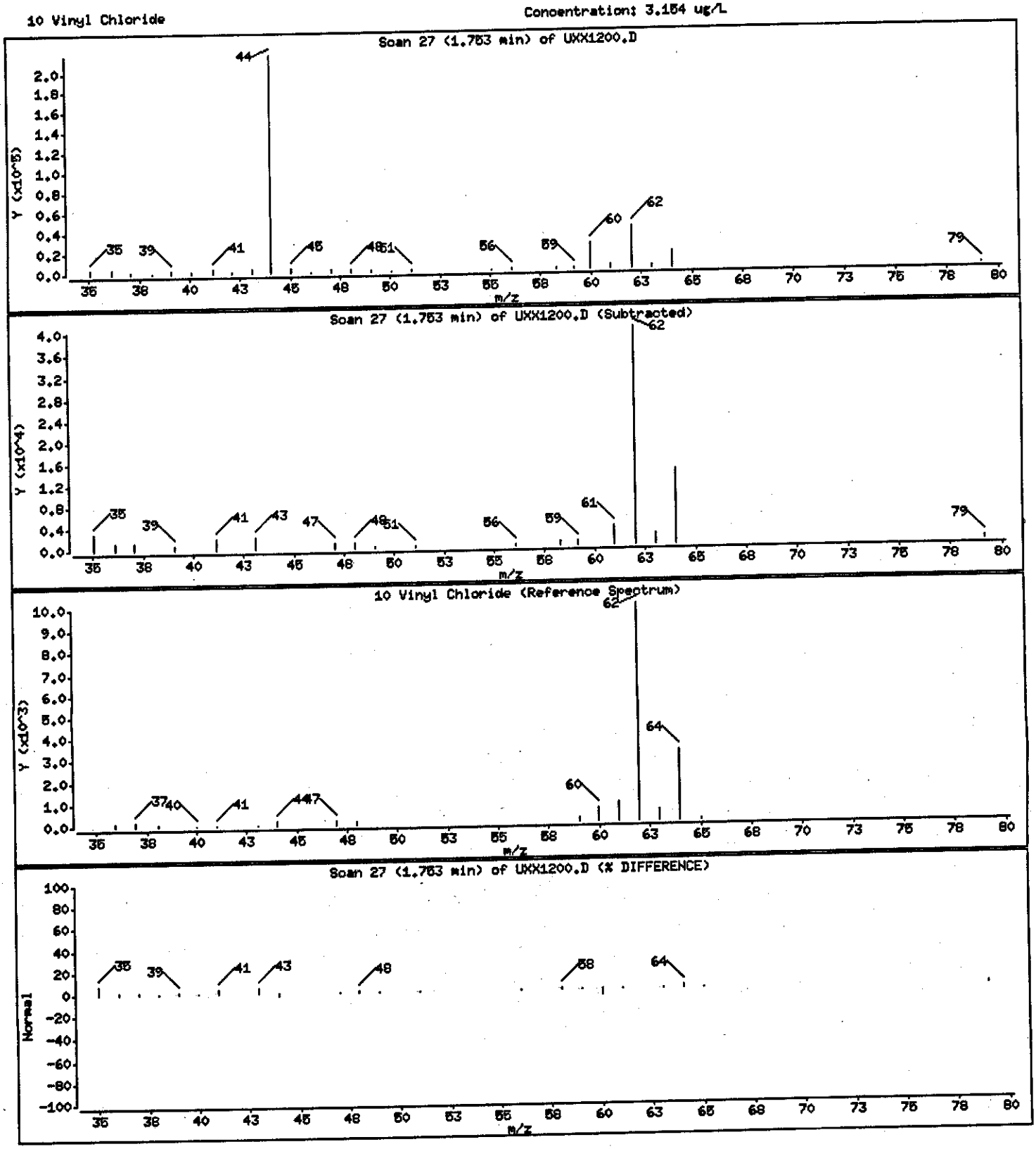
Operator: 1904

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 3.154 ug/L



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Operator: 1904

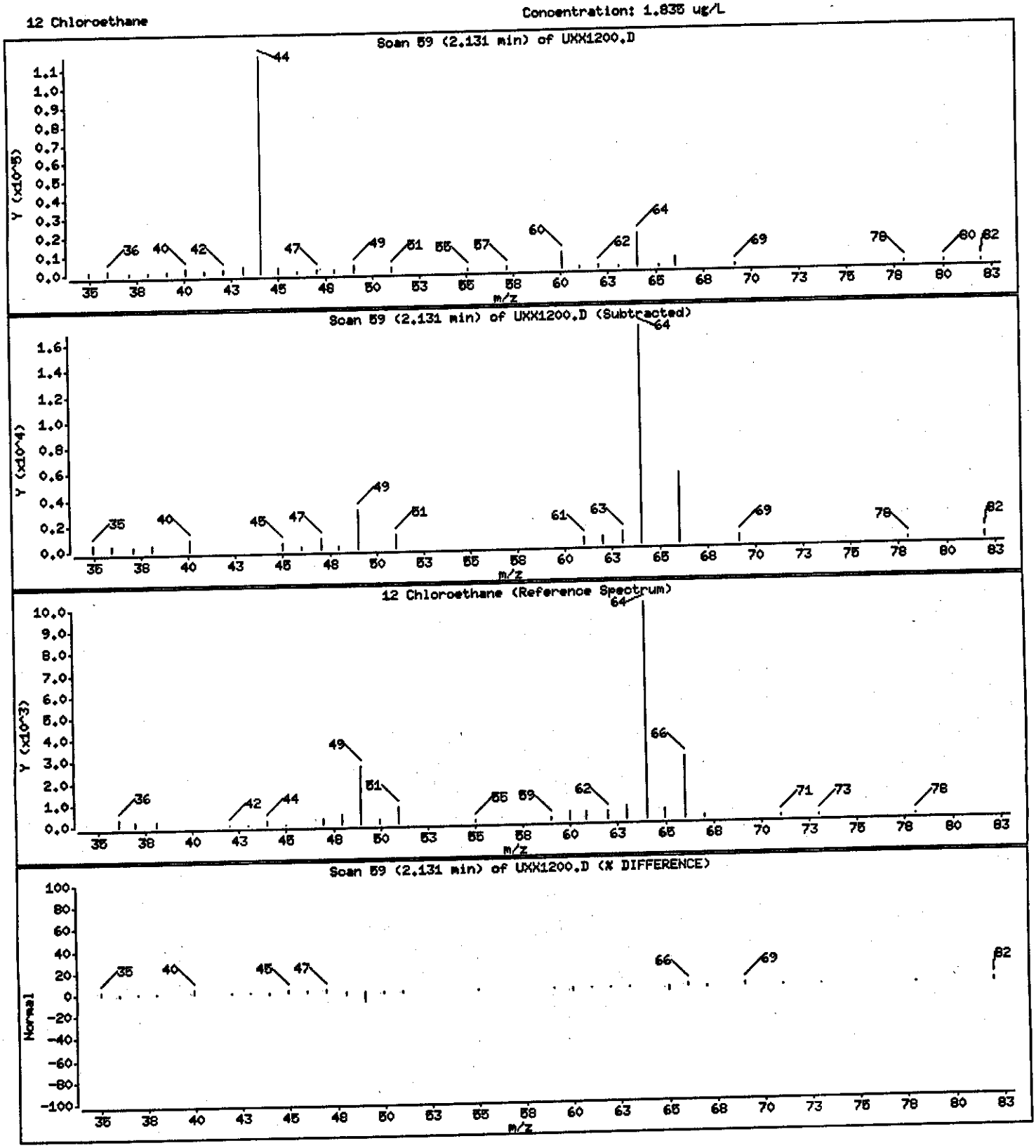
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 1.835 ug/L

12 Chloroethane



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Operator: 1904

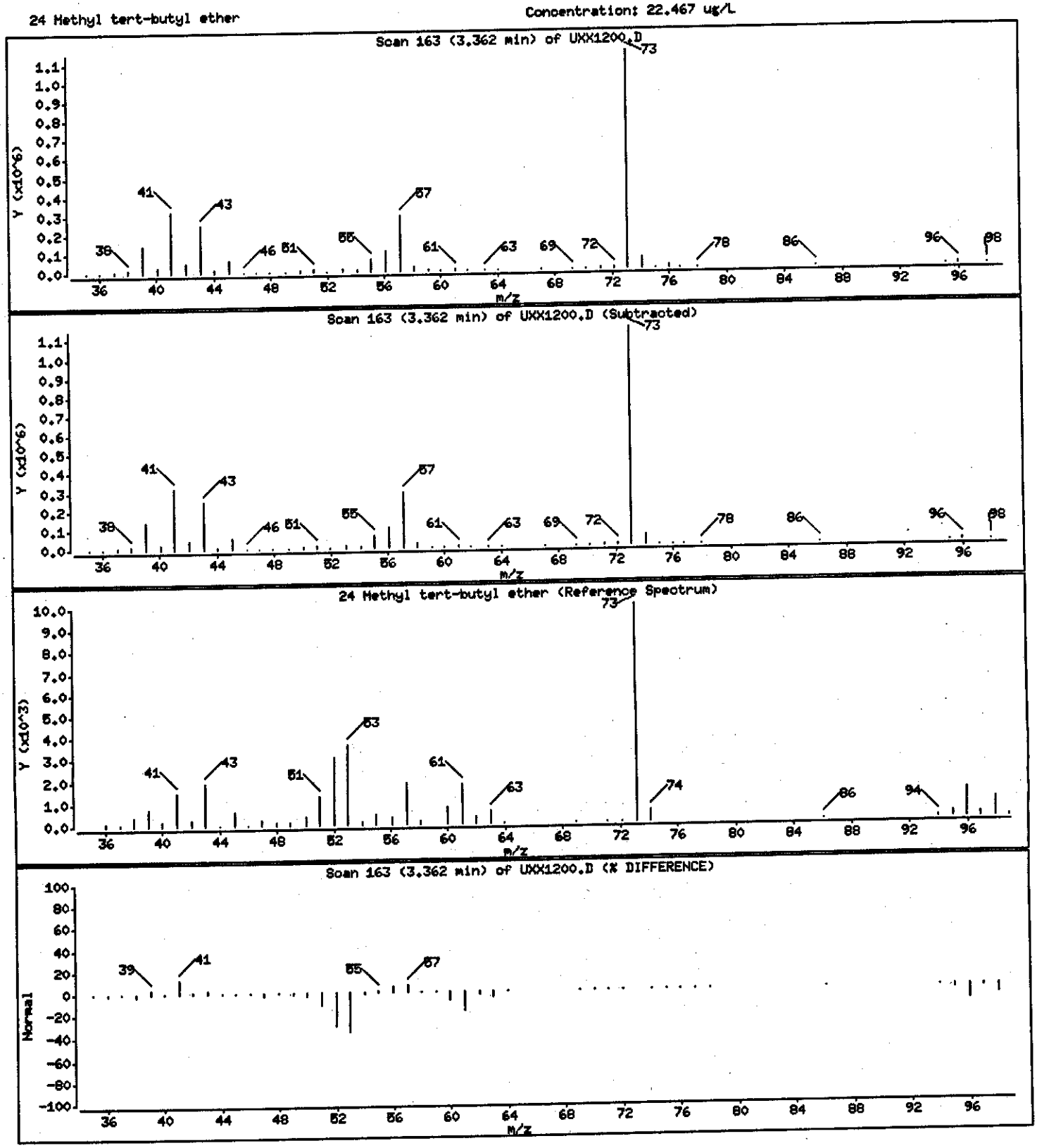
Purge Volume: 5.0

Column phase: DB624

Column diameter: 0.18

24 Methyl tert-butyl ether

Concentration: 22.467 ug/L



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

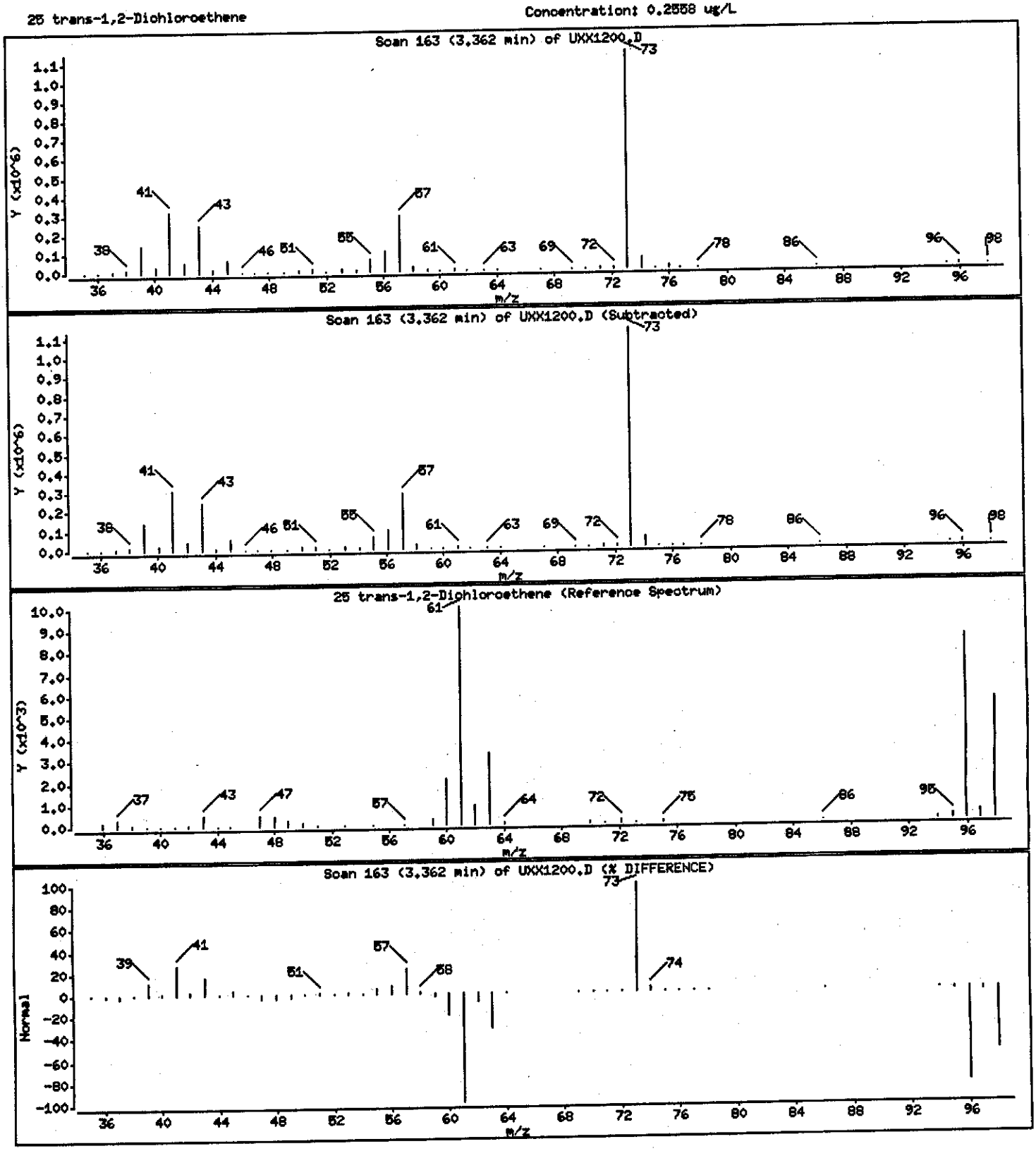
Operator: 1904

Column phase: DB624

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 0.2558 ug/L



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Operator: 1904

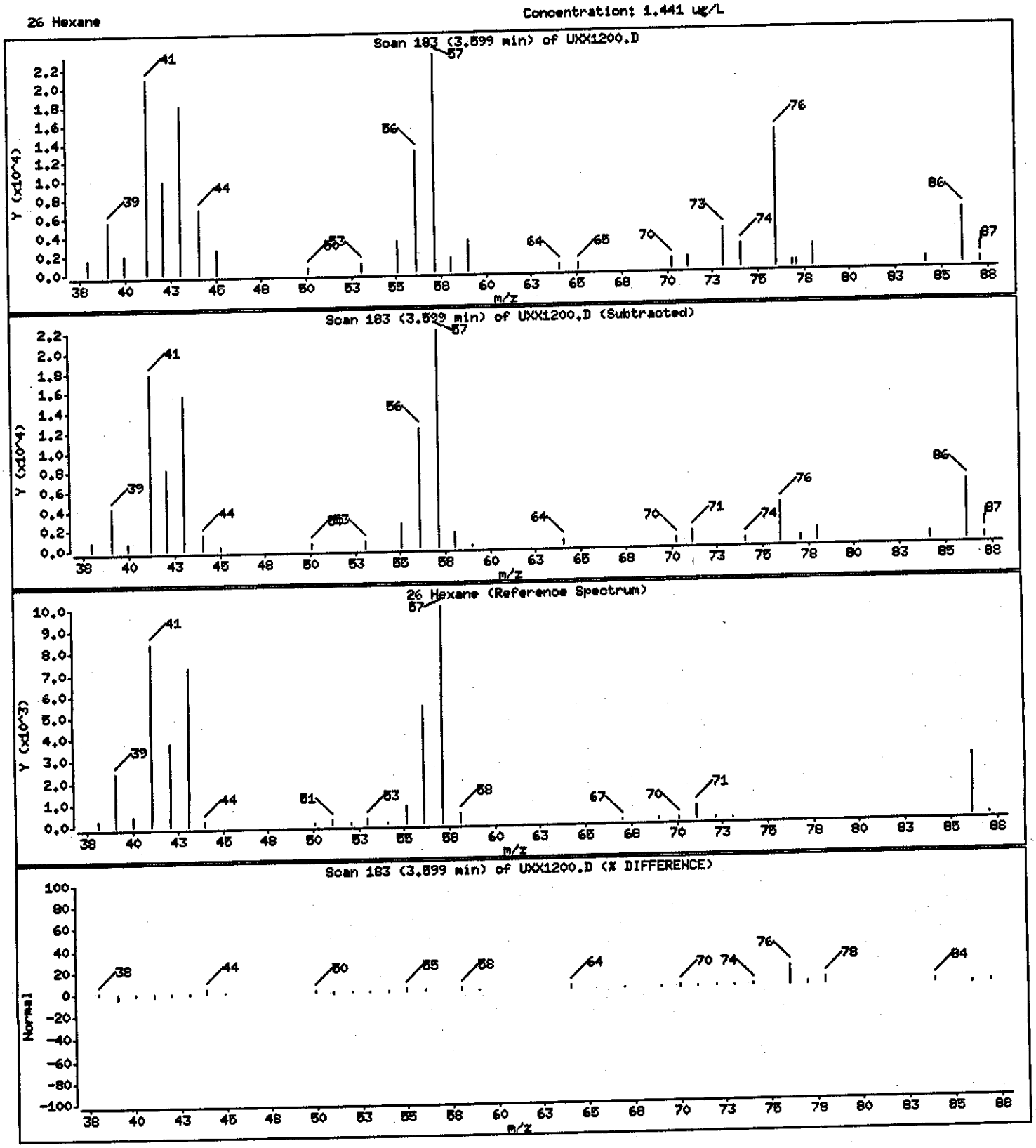
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 1.441 ug/L

26 Hexane



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Purge Volume: 5.0

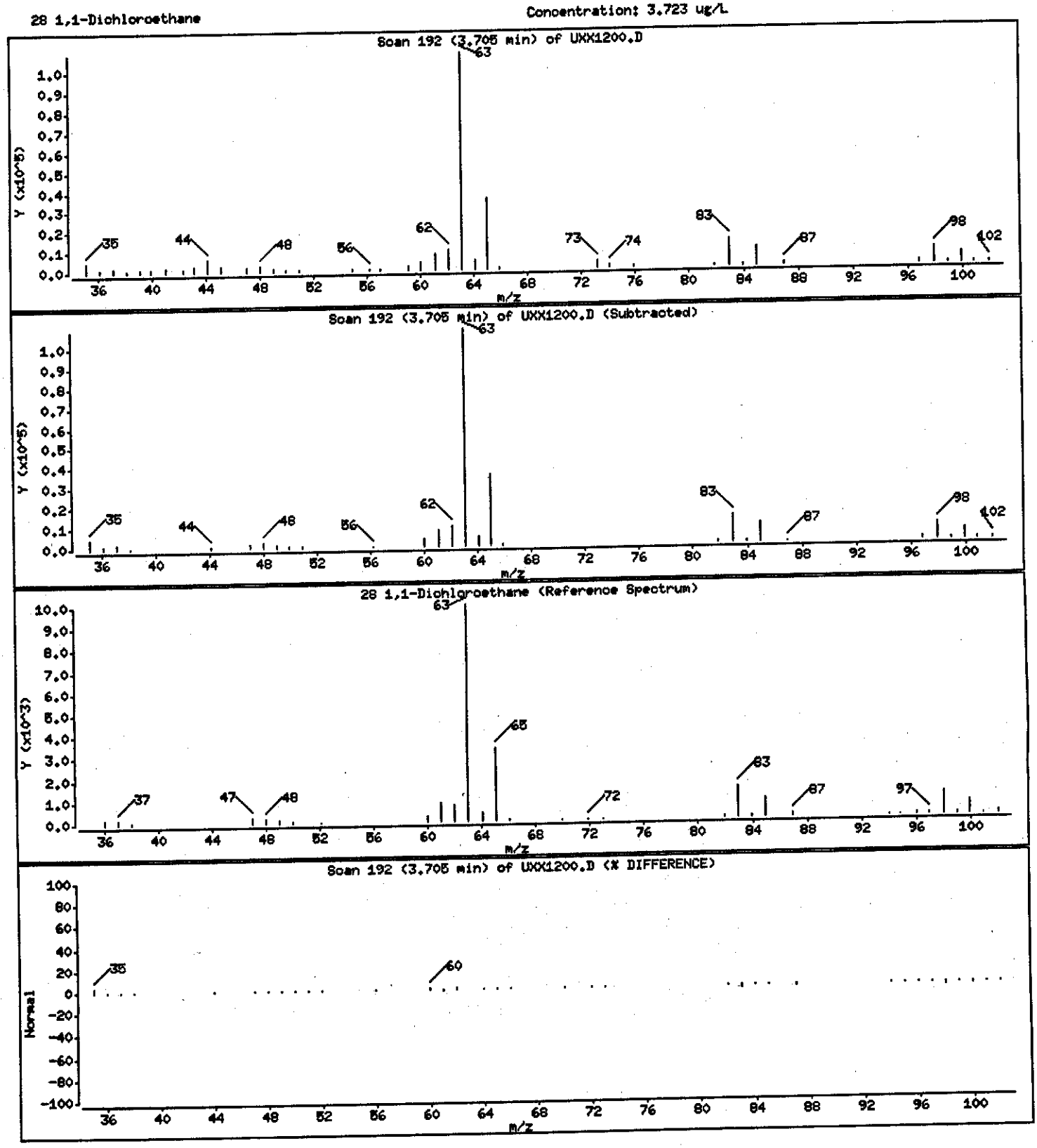
Operator: 1904

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 3.723 ug/L



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Operator: 1904

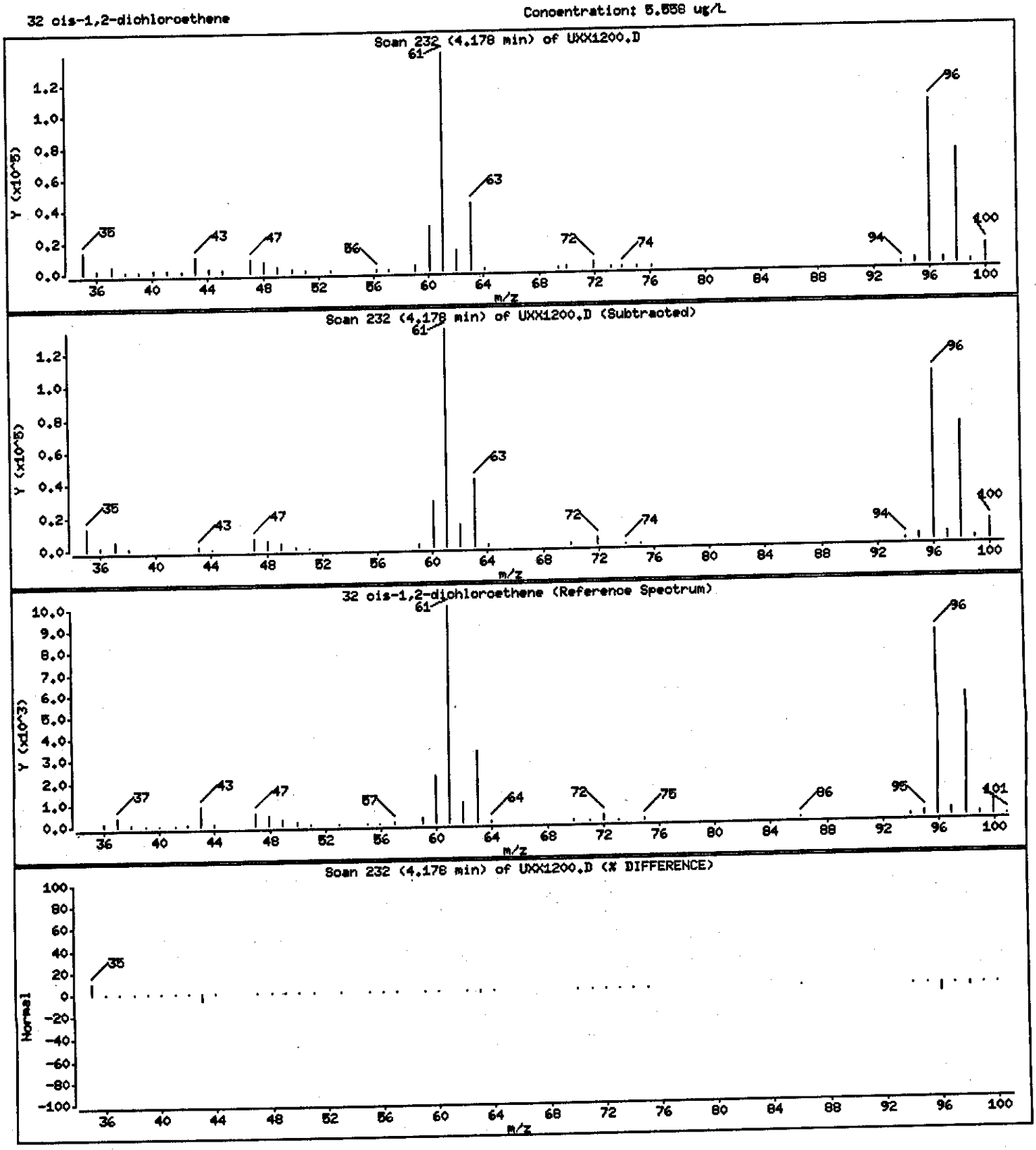
Purge Volume: 5.0

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 5.558 ug/L



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: CPCDV2AA,5ML/5ML

Operator: 1904

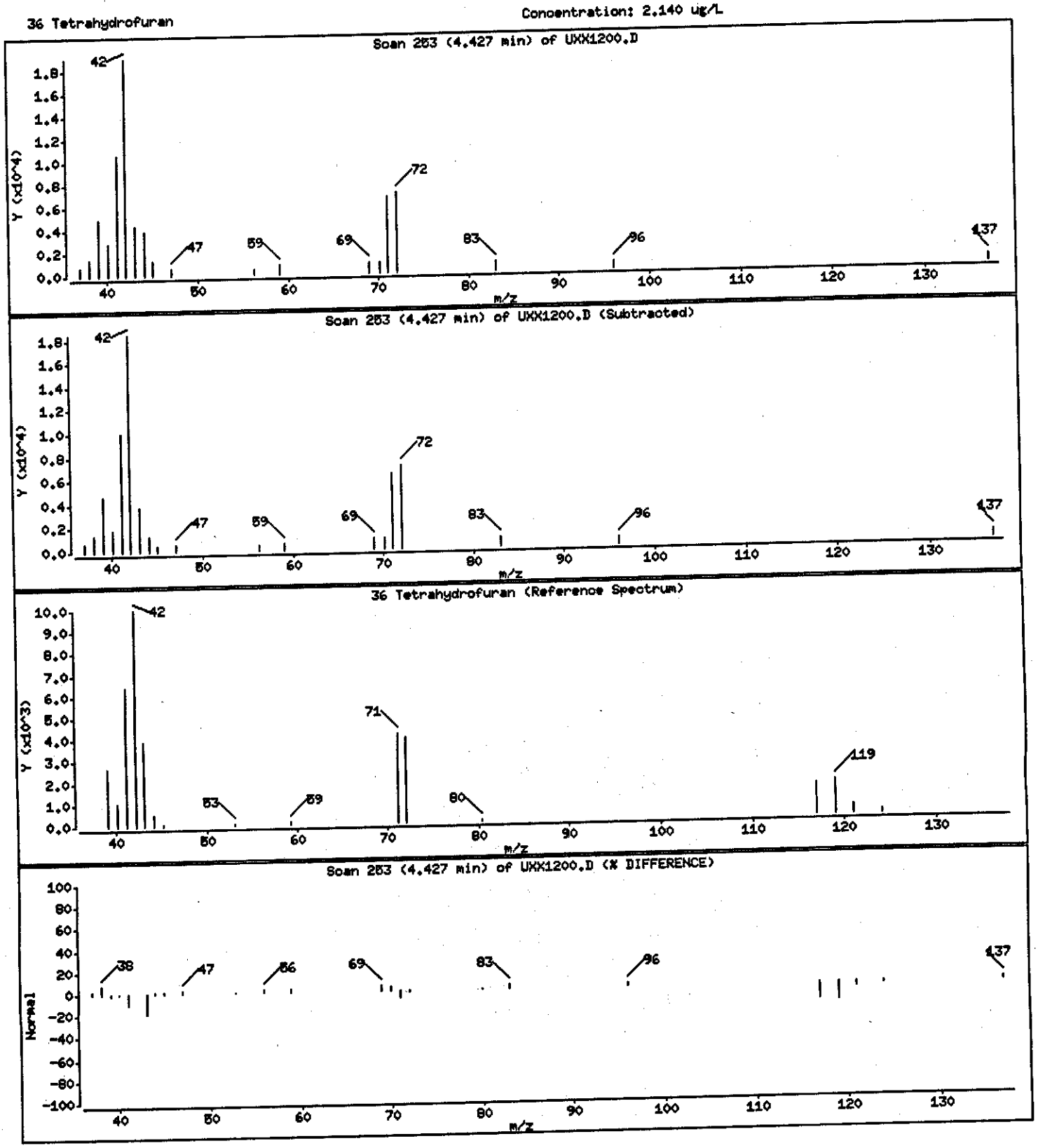
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 2.140 ug/L

36 Tetrahydrofuran



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: CPGDV2AA,5ML/5ML

Purge Volume: 5.0

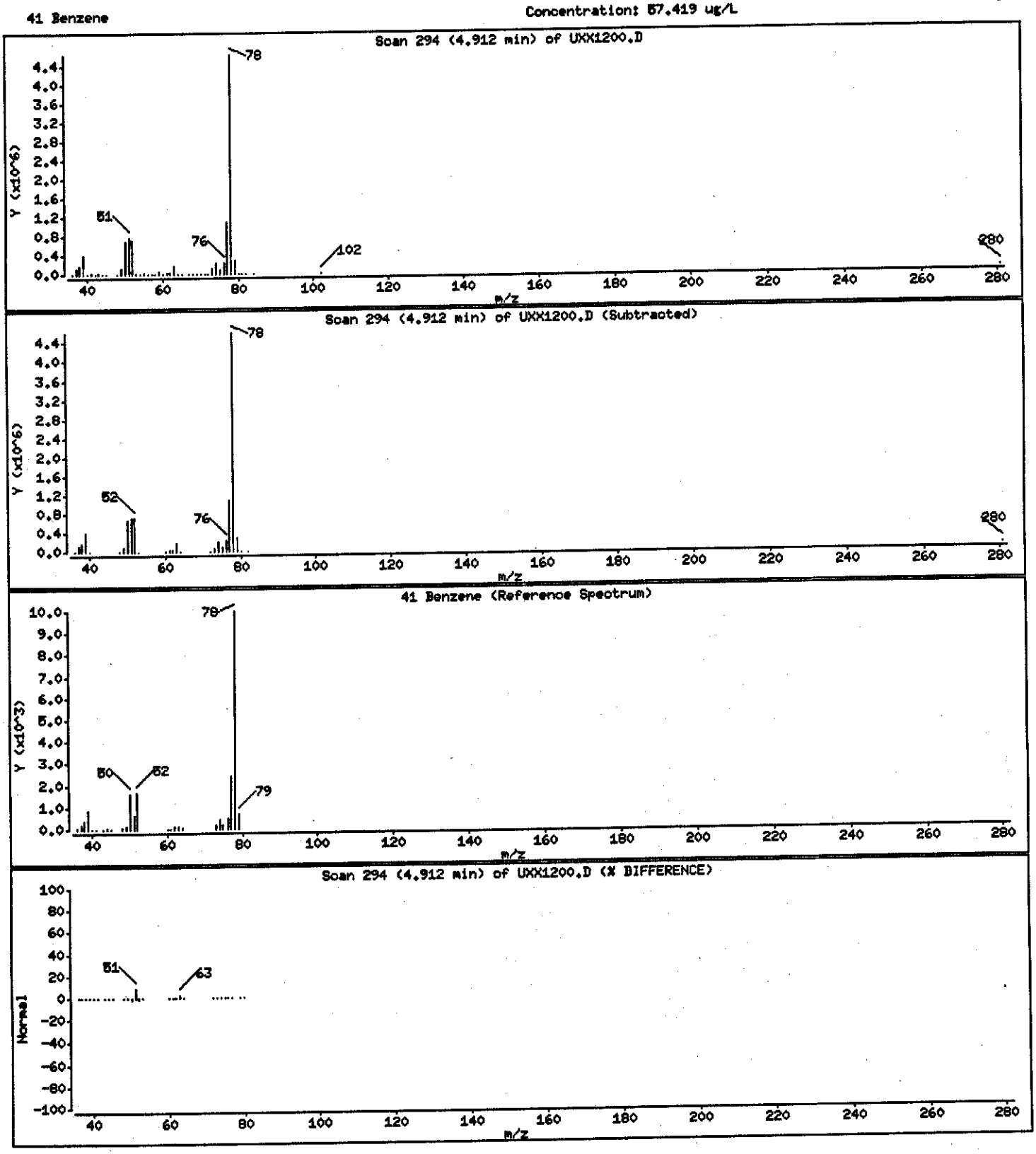
Operator: 1904

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 57.419 ug/L



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: CPGDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

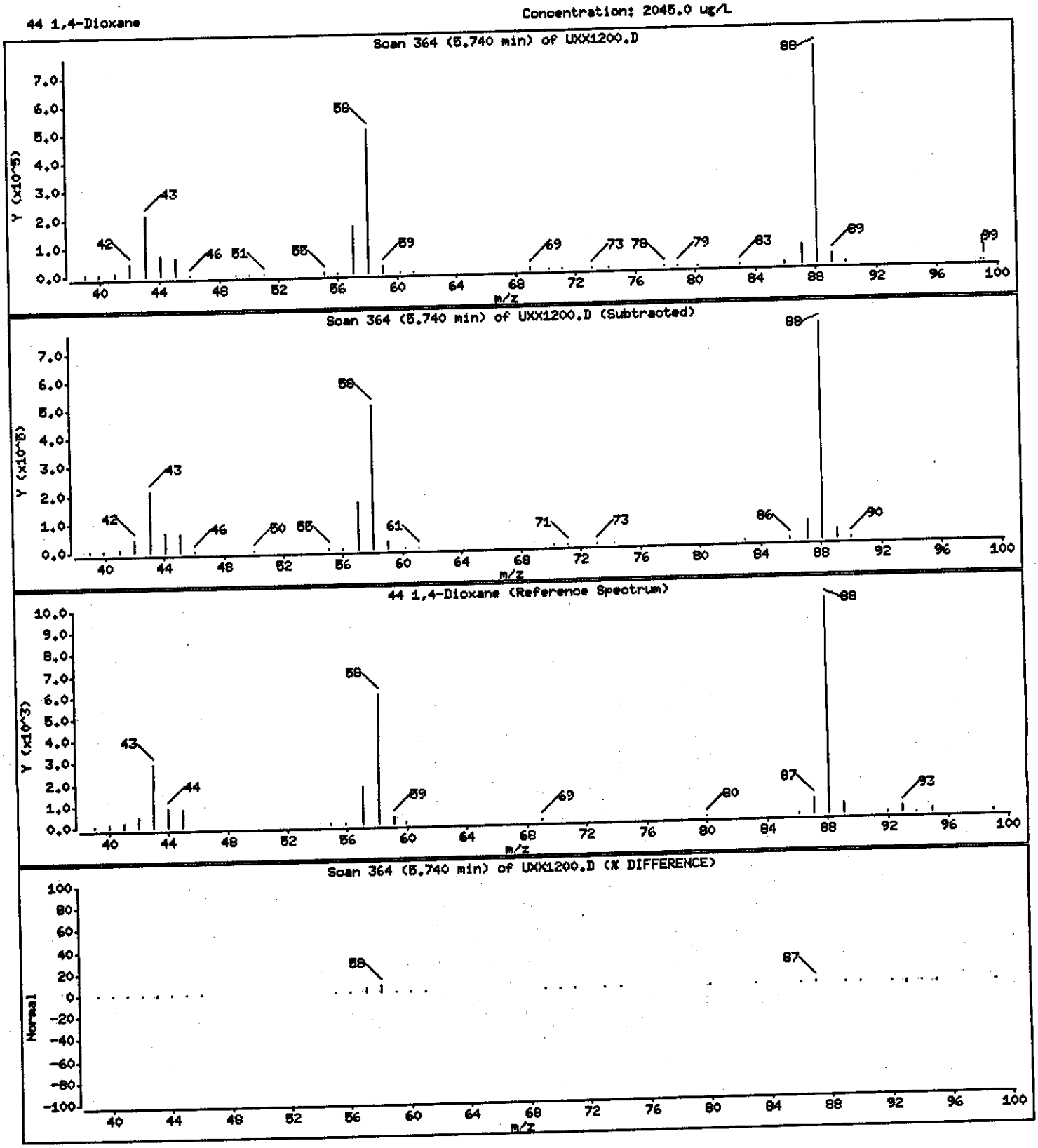
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 2045.0 ug/L

44 1,4-Dioxane



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: CPCDV2AA,5ML/5ML

Operator: 1904

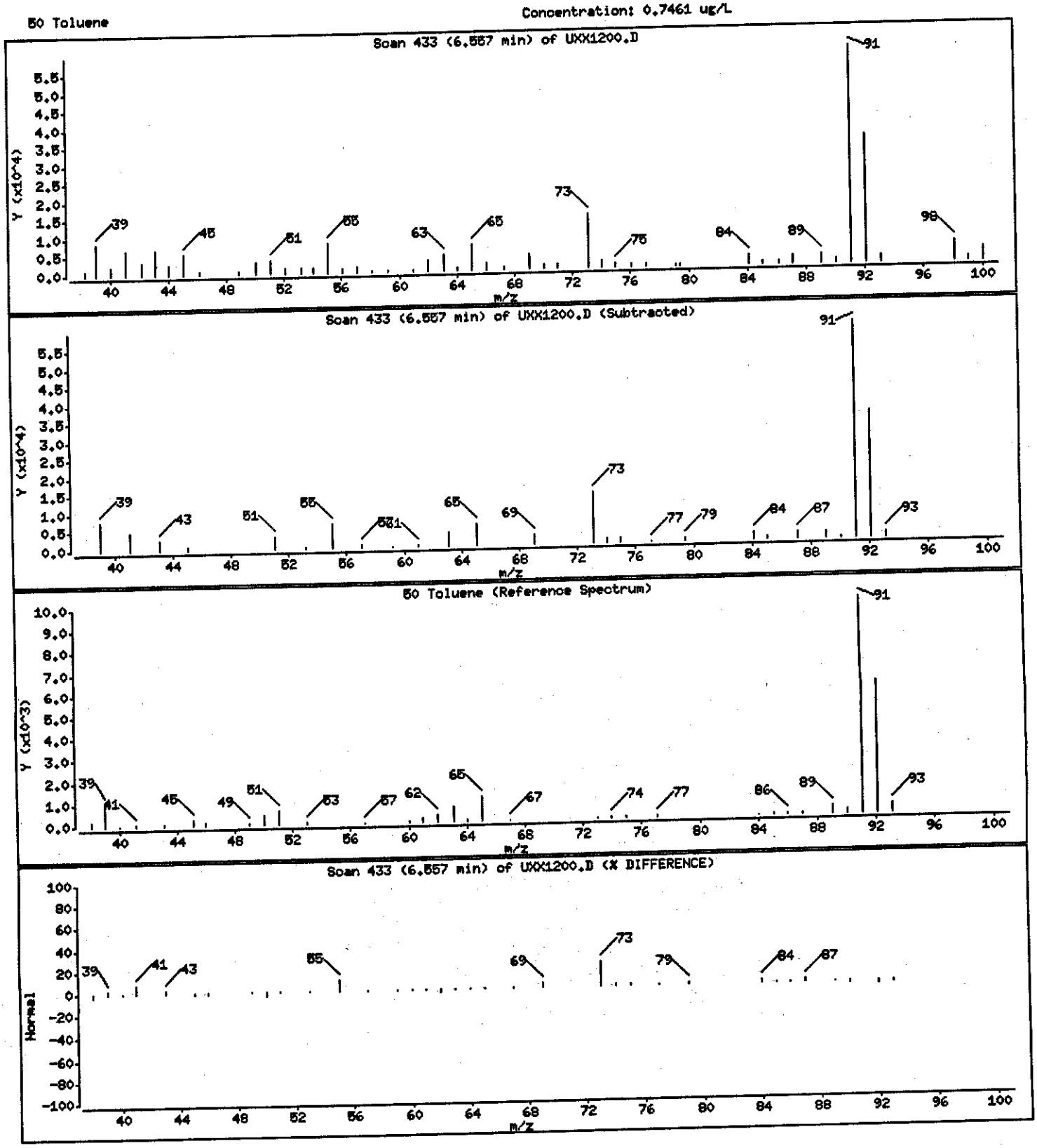
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 0.7461 ug/L

50 Toluene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

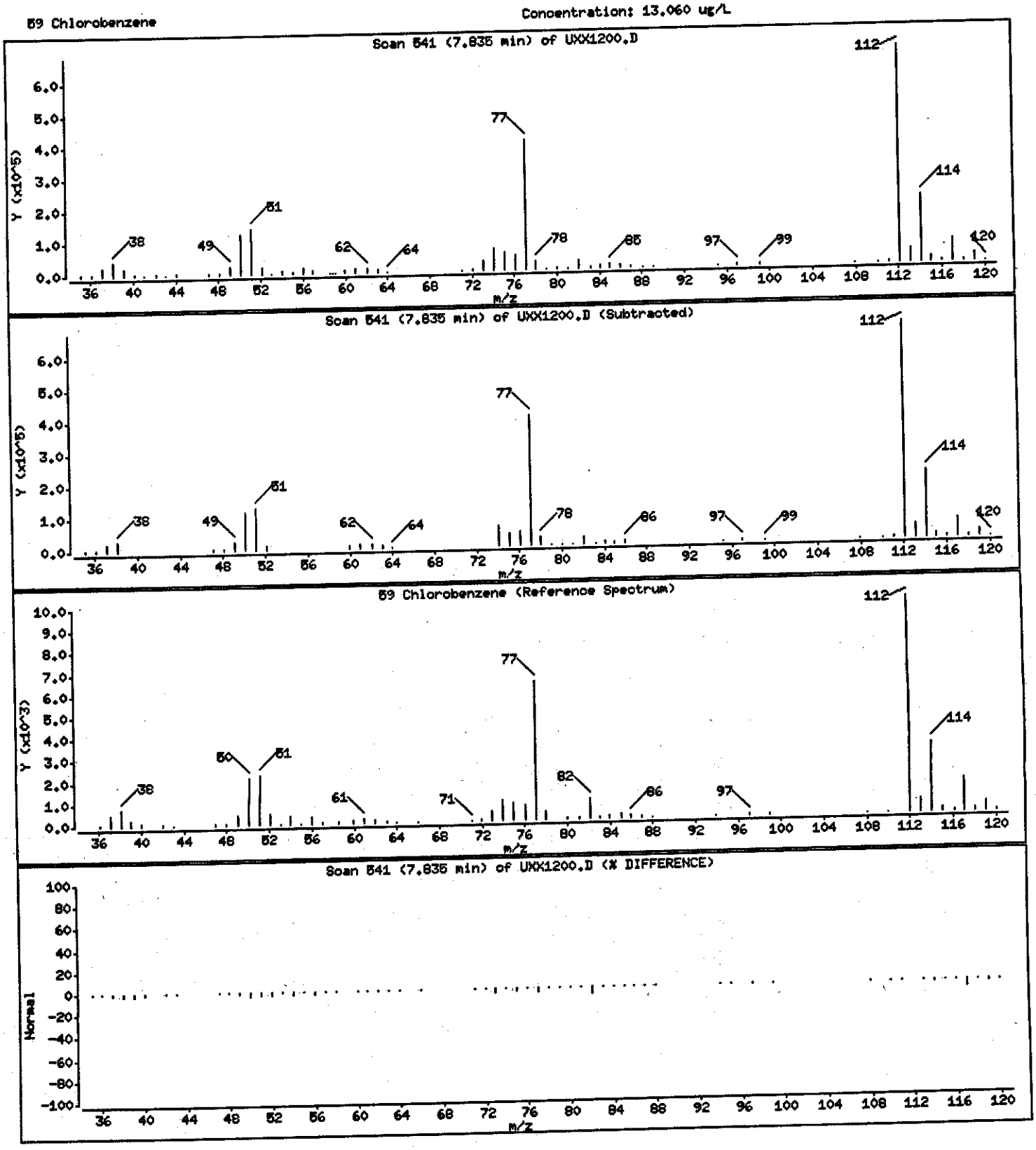
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 13.060 ug/L

59 Chlorobenzene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV2AA,5ML/5ML

Operator: 1904

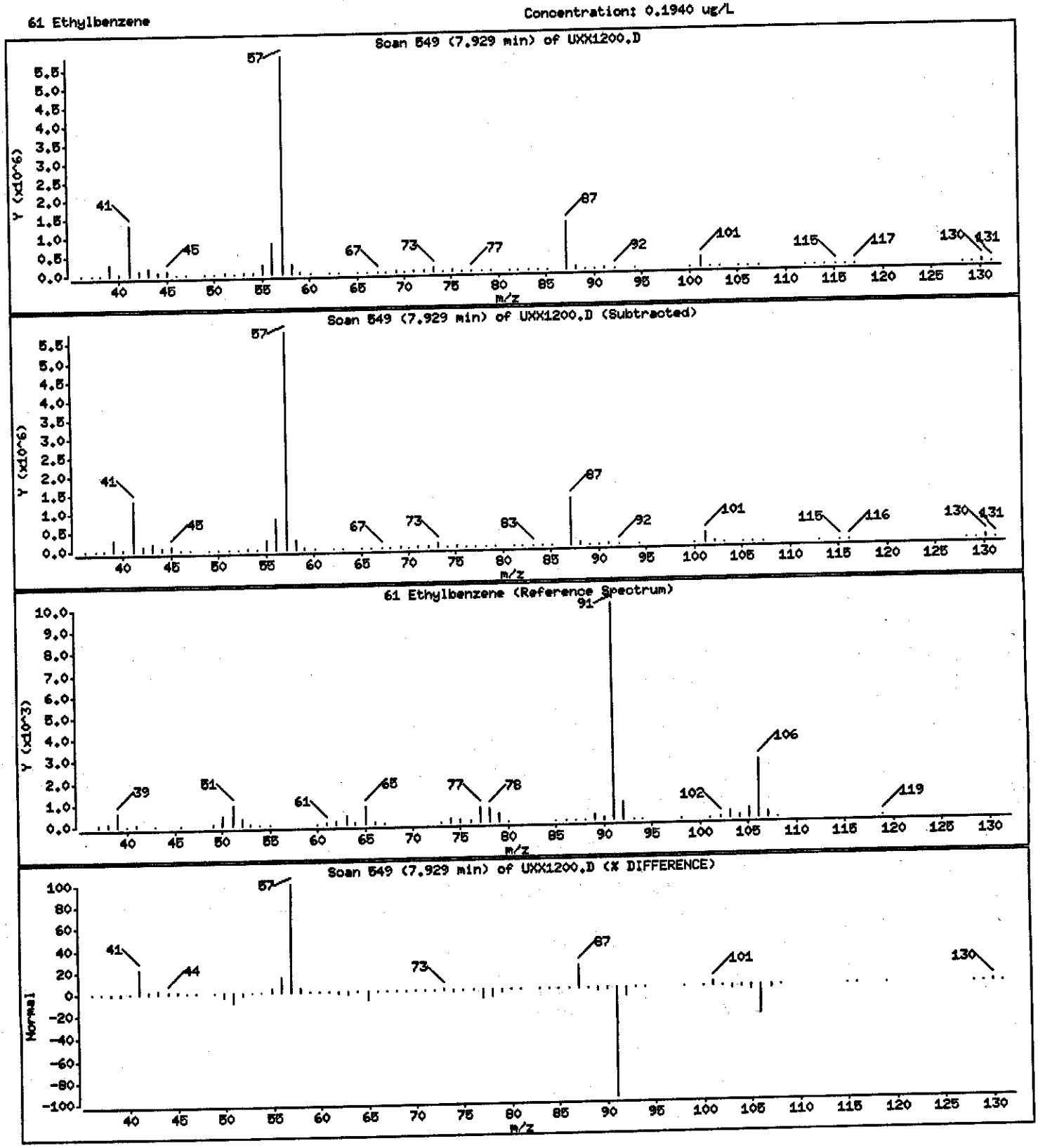
Purge Volume: 5.0

Column phase: DB624

Column diameter: 0.18

Concentration: 0.1940 ug/L

61 Ethylbenzene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Operator: 1904

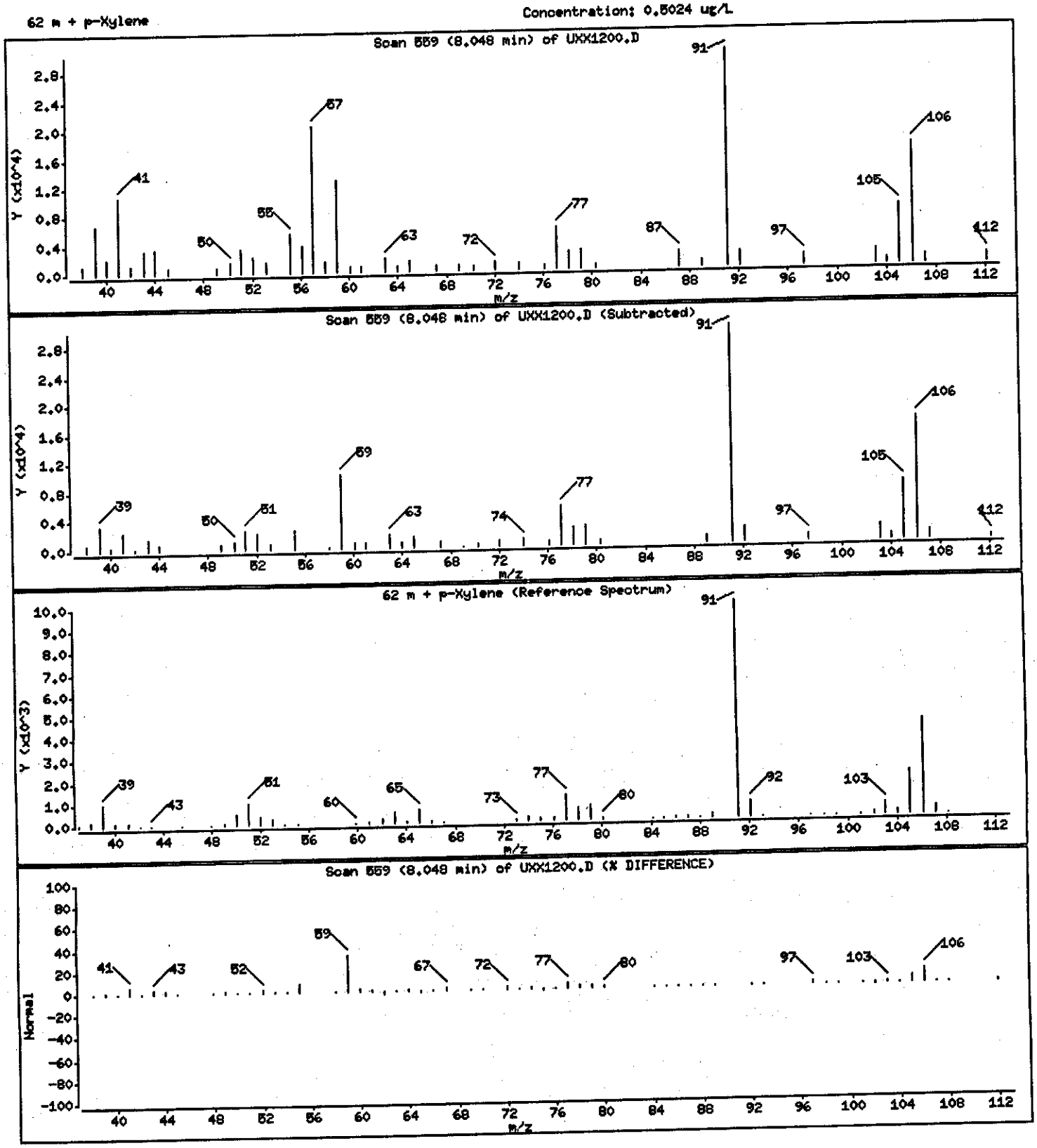
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 0.5024 ug/L

62 m + p-Xylene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPCDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

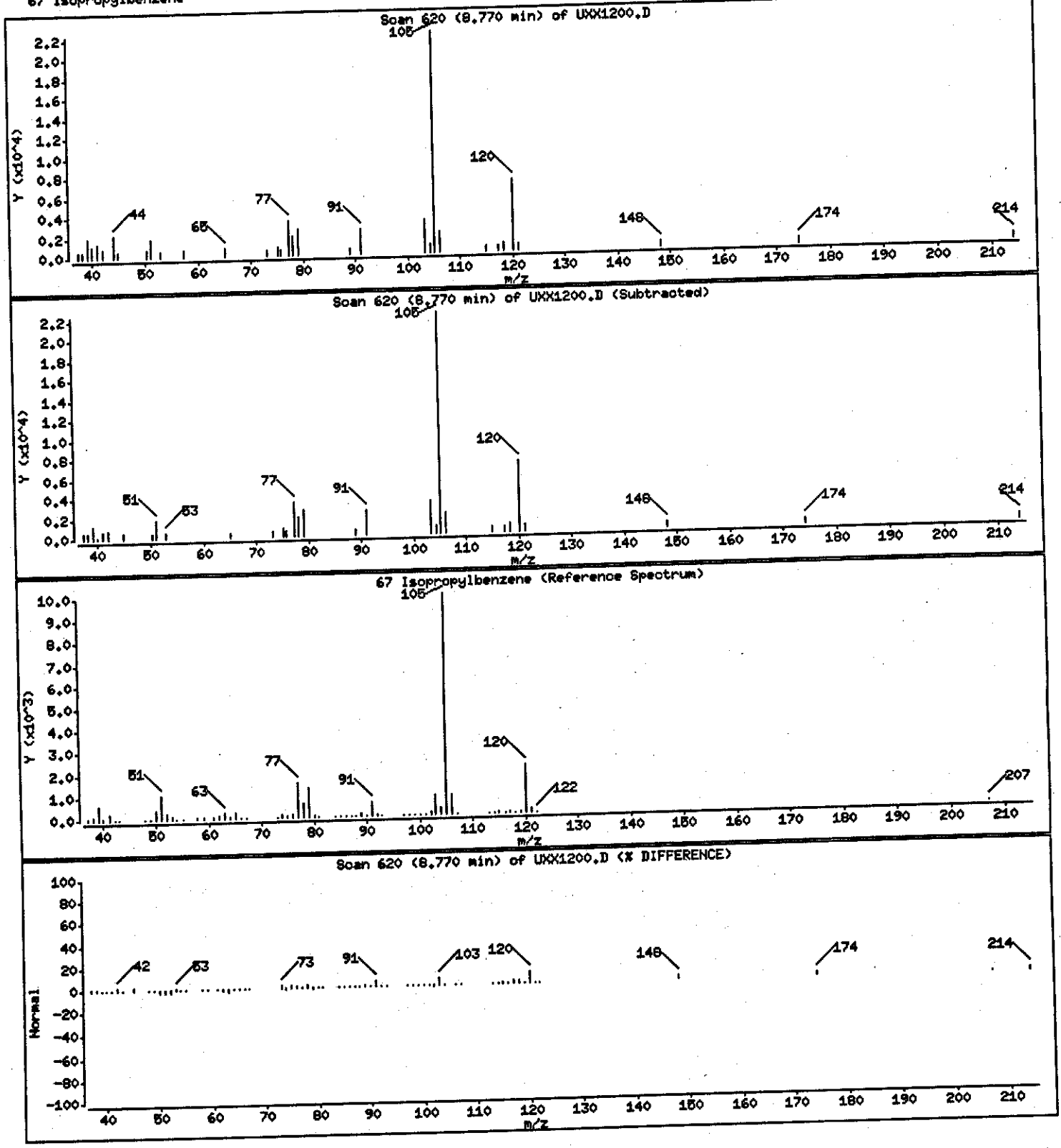
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.2870 ug/L

67 Isopropylbenzene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPCDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

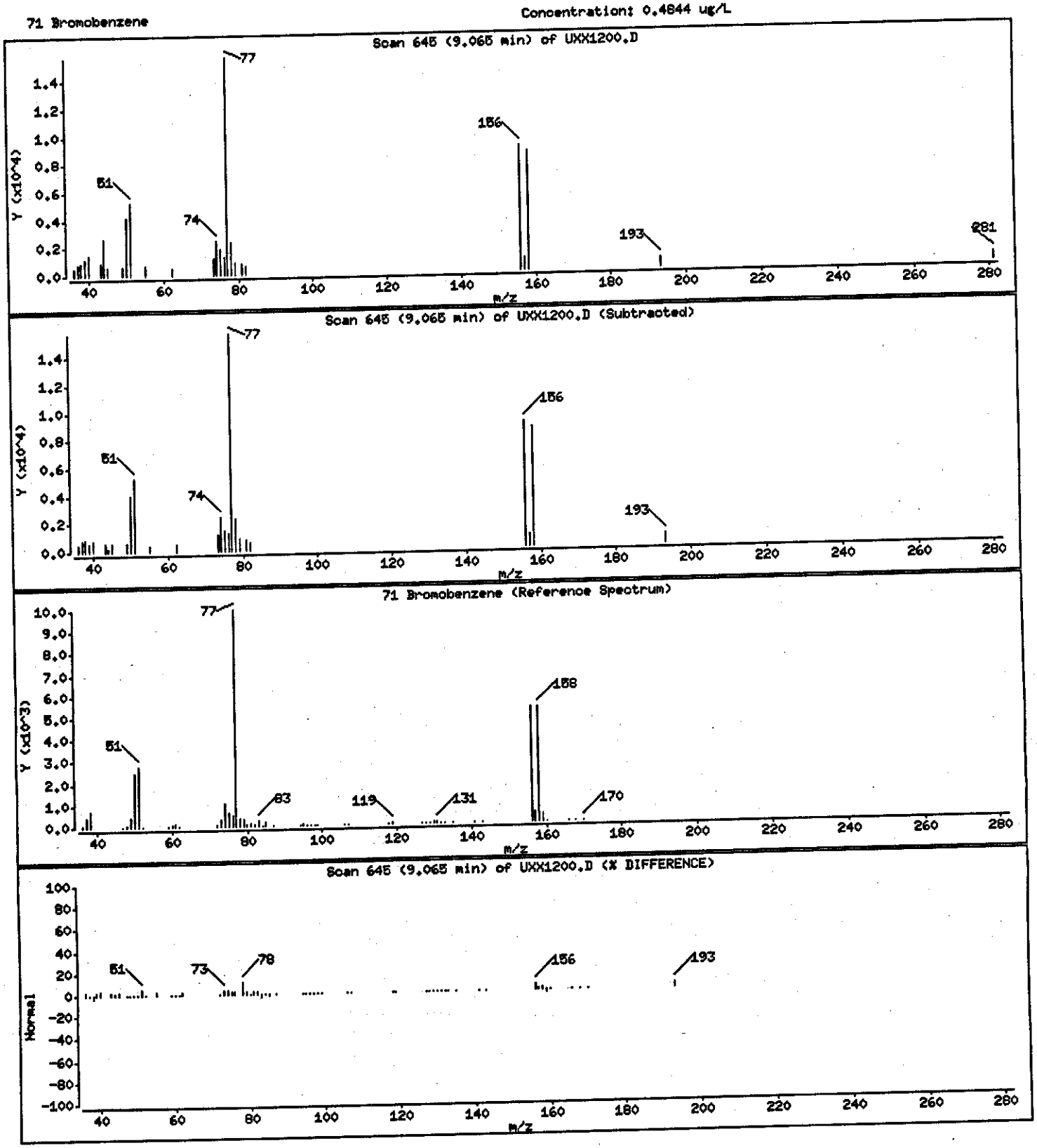
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.4844 ug/L

71 Bromobenzene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

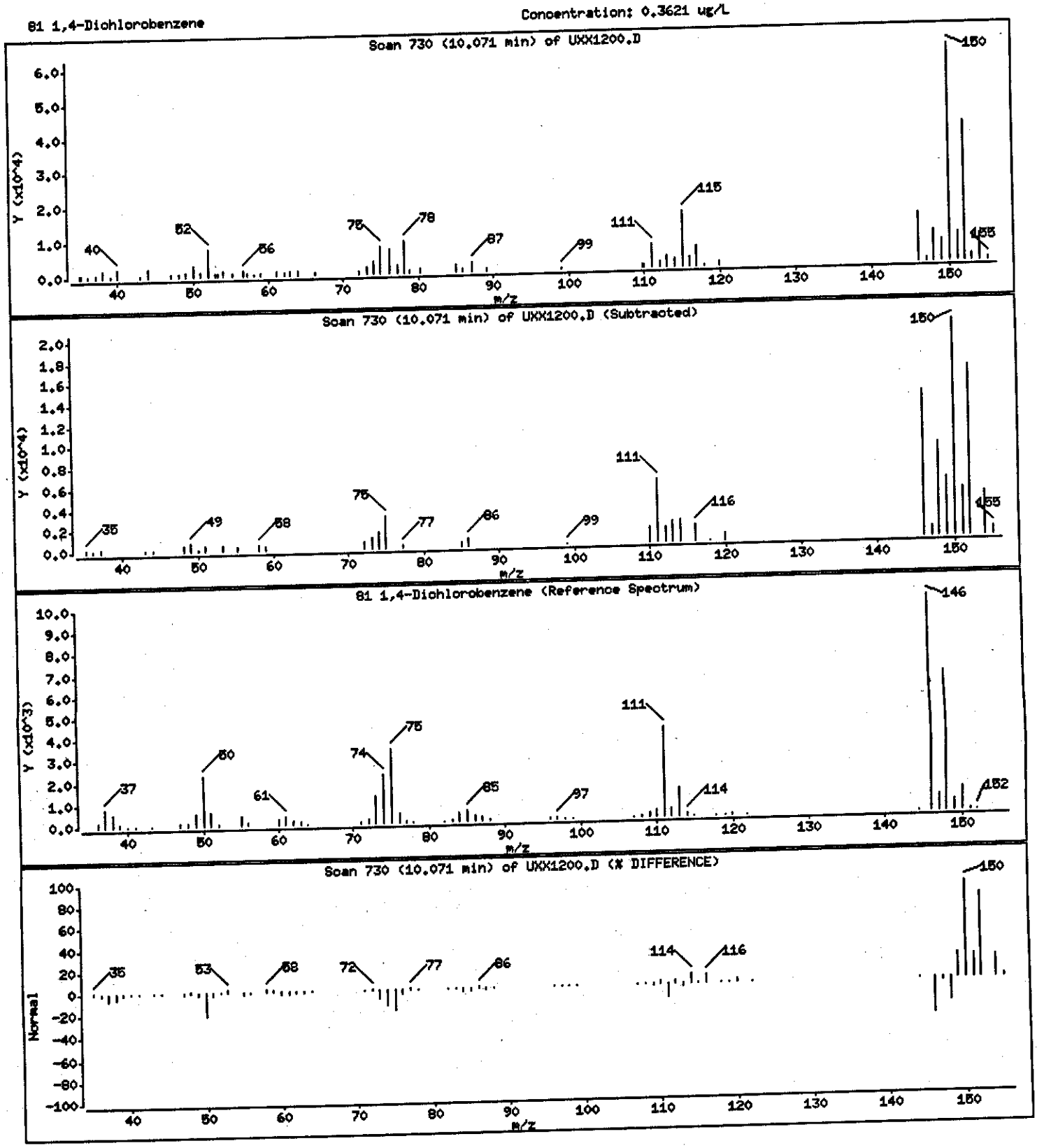
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.3621 ug/L

81 1,4-Dichlorobenzene



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

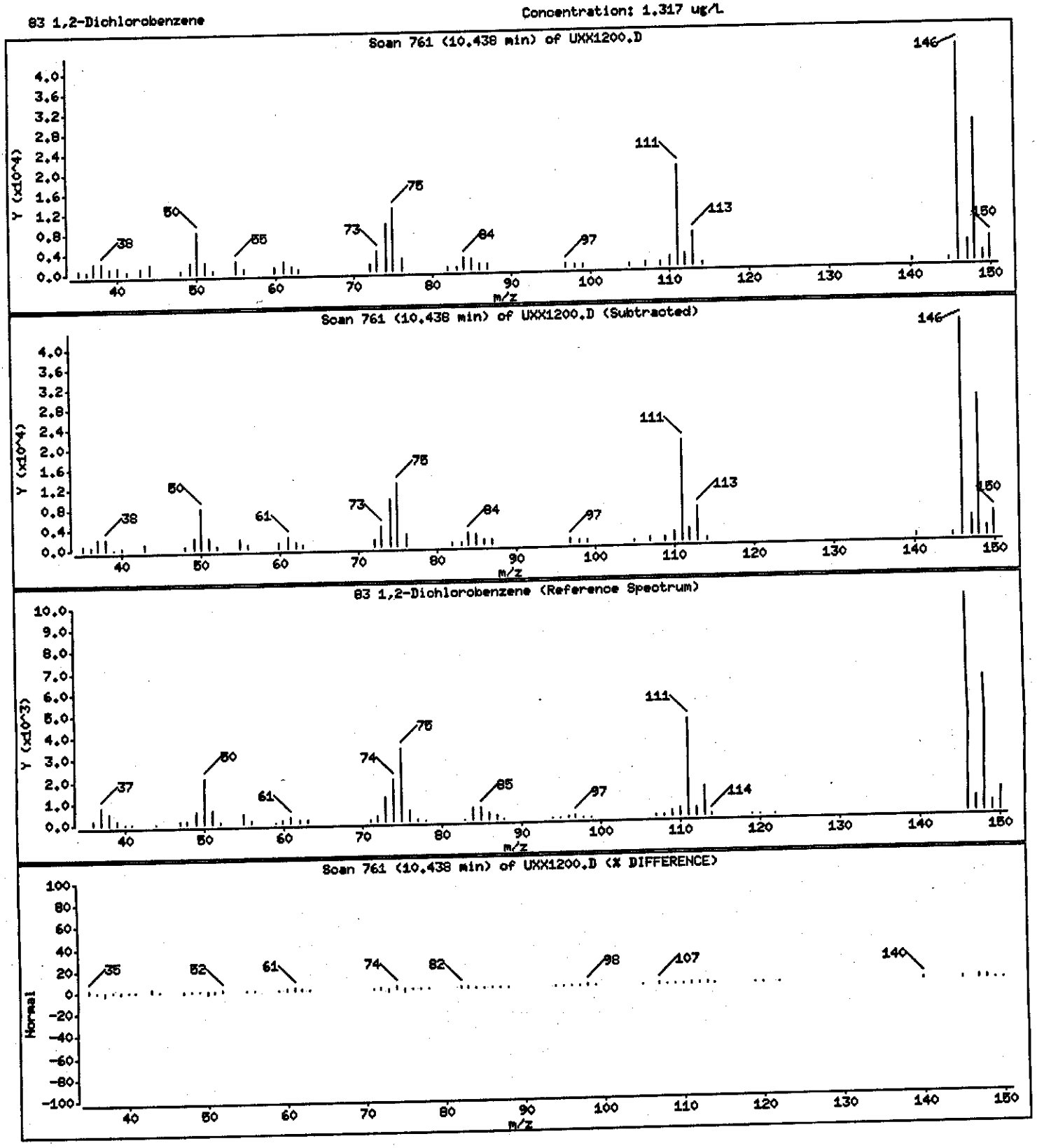
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 1.317 ug/L

83 1,2-Dichlorobenzene



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D

Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPCDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

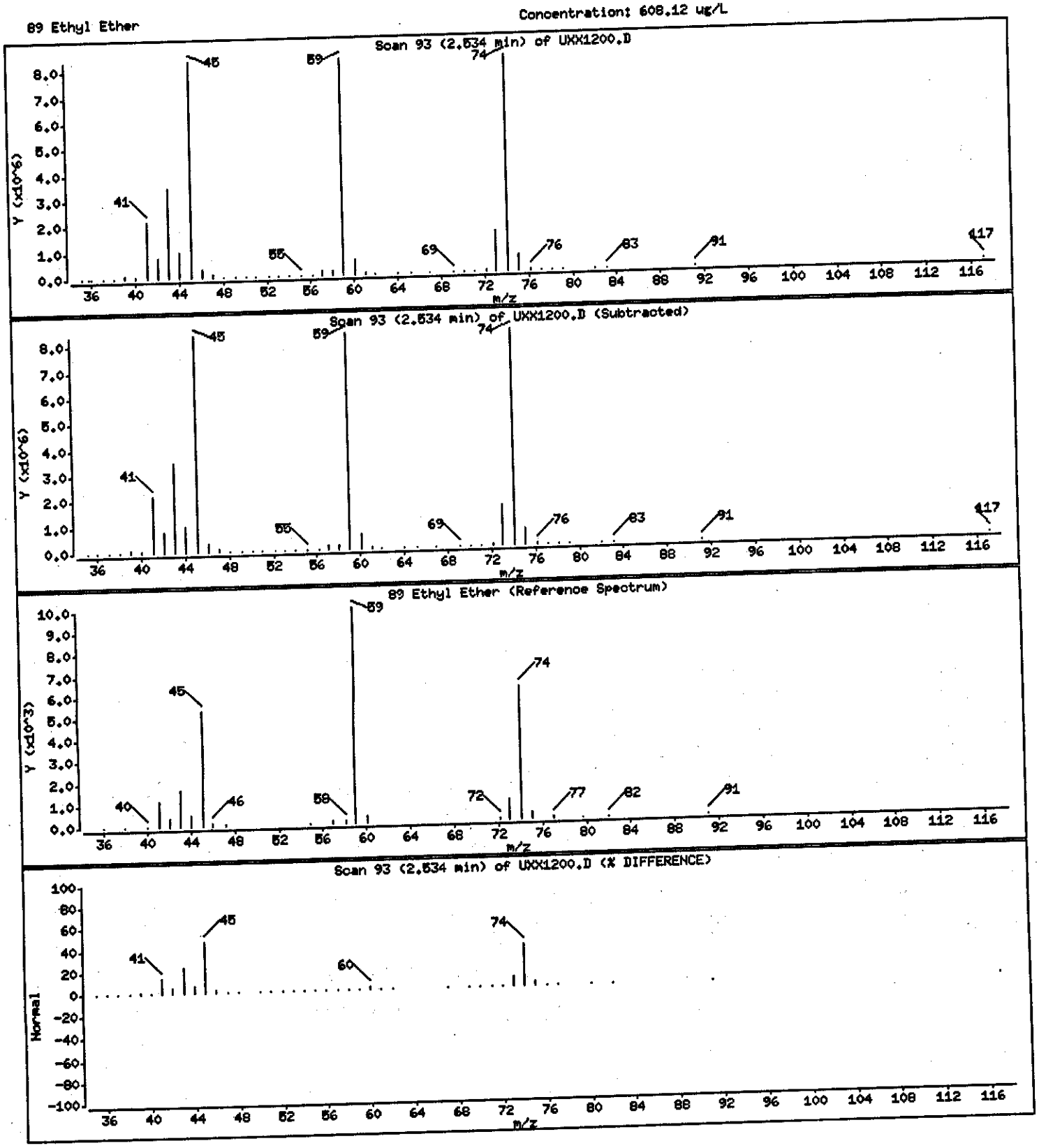
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 608.12 ug/L

89 Ethyl Ether



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D

Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPCDV2AA,5ML/5ML

Operator: 1904

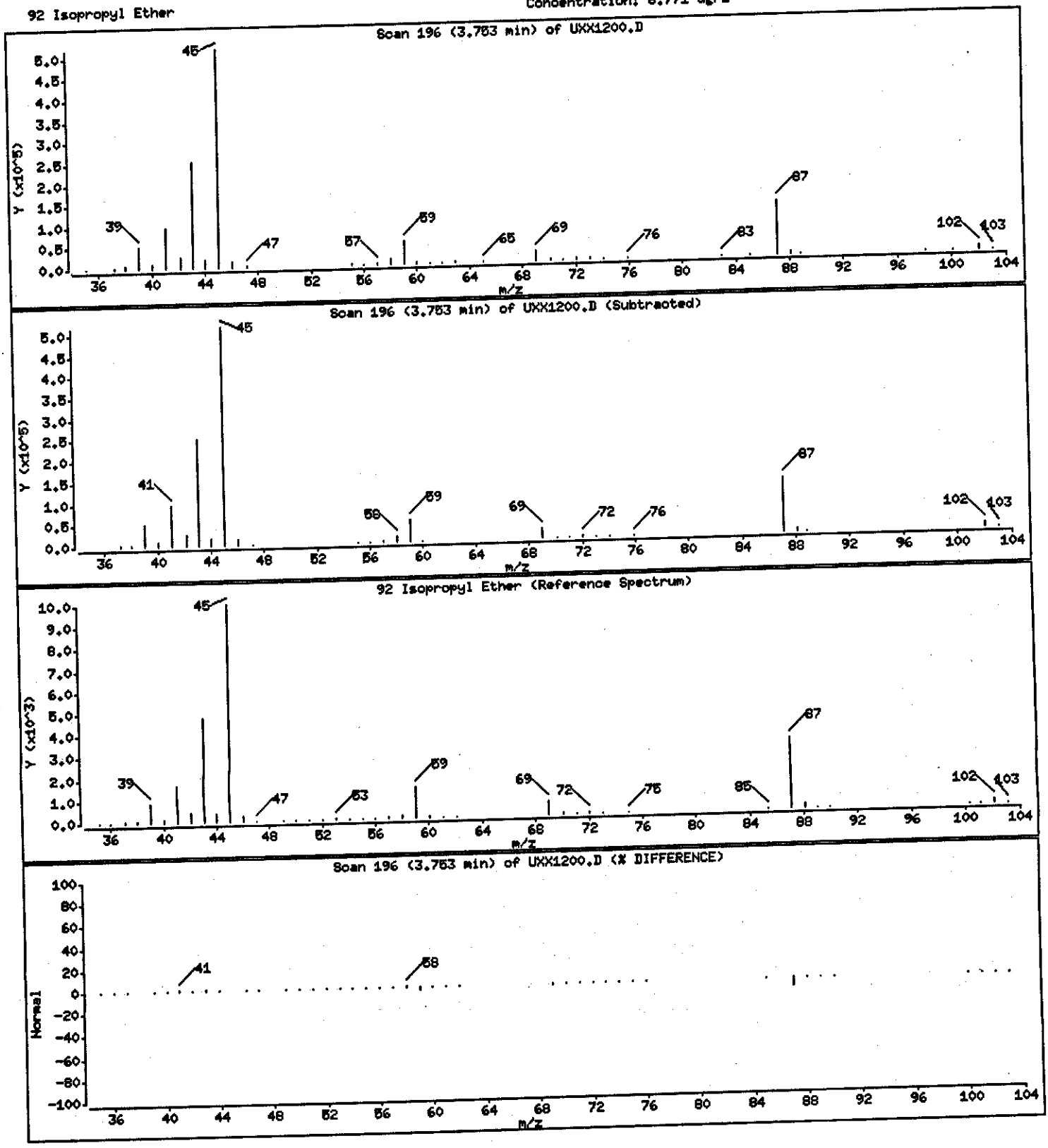
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624

Concentration: 8.771 ug/L

92 Isopropyl Ether



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1200.D

Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

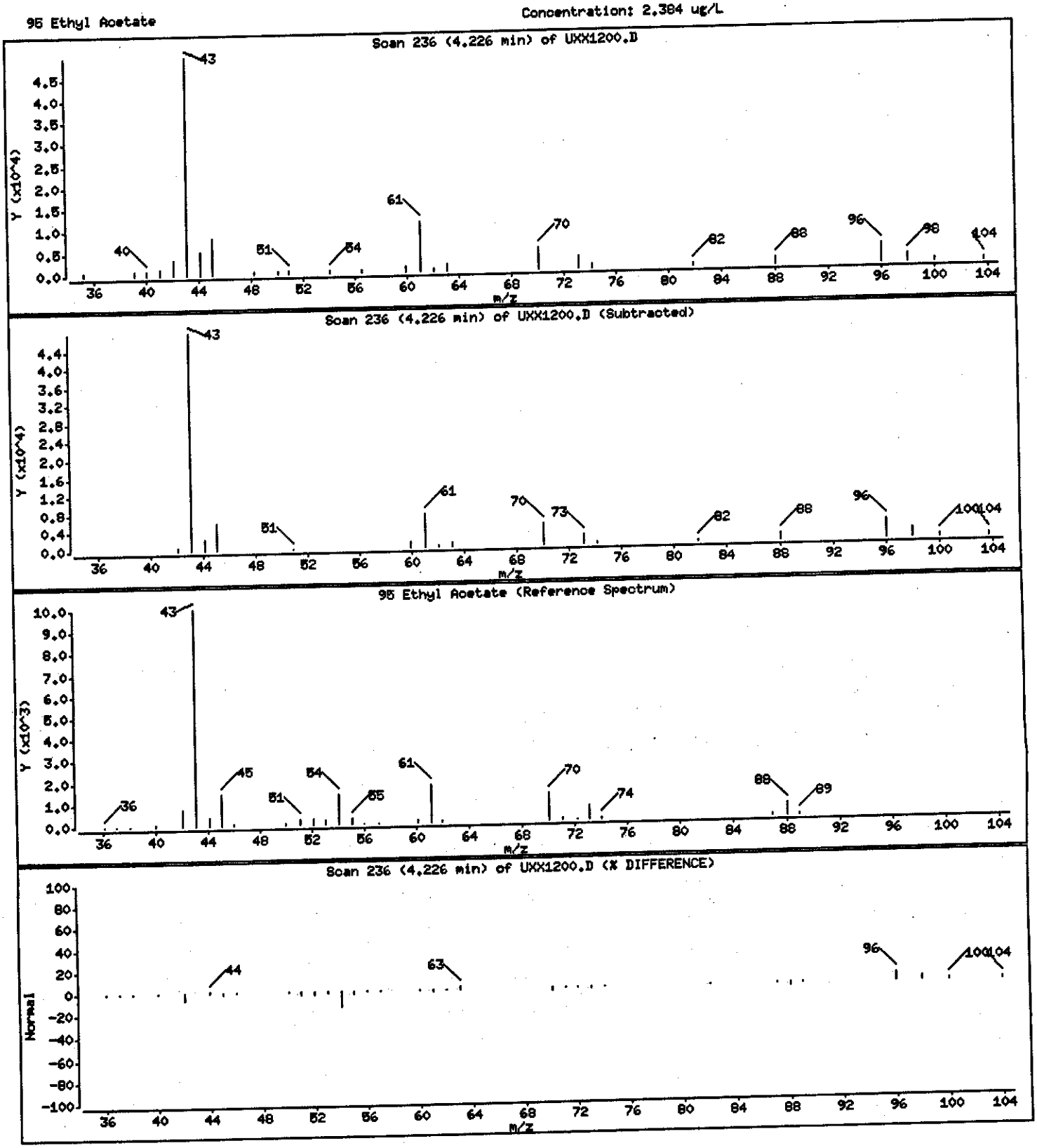
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 2.384 ug/L

95 Ethyl Acetate



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV2AA,5ML/5ML

Operator: 1904

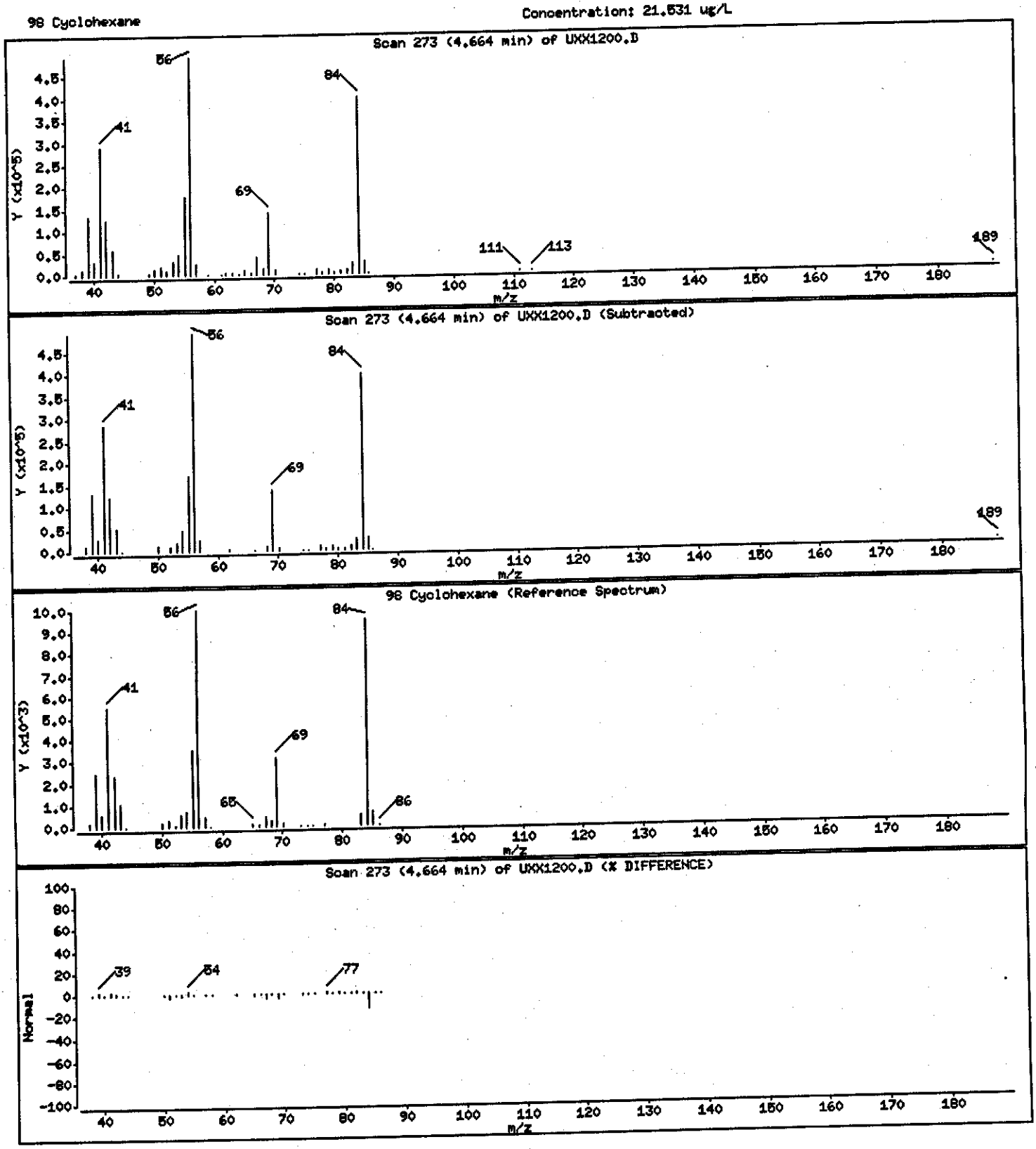
Purge Volume: 5.0

Column phase: DB624

Column diameter: 0.18

Concentration: 21.531 ug/L

98 Cyclohexane



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Date : 03-SEP-2004 04:45

Client ID: DUP01/090104

Instrument: a3ux10.i

Sample Info: GPGDV2AA,5ML/5ML

Purge Volume: 5.0

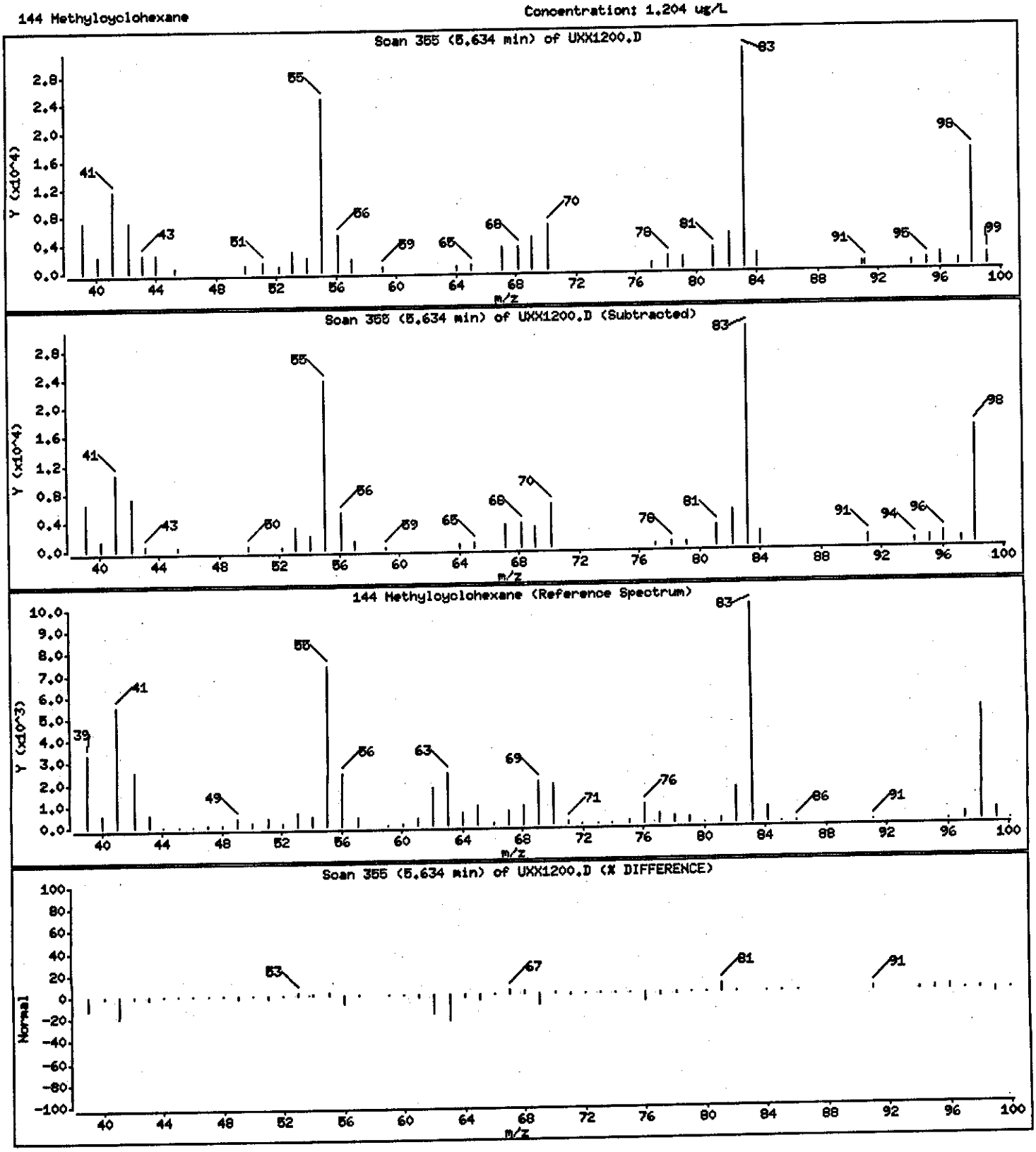
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 1.204 ug/L

144 Methylcyclohexane



PAYNE FIRM INC.

Client Sample ID: TB01/090104

GC/MS Volatiles

Lot-Sample #...: A4I020164-011 **Work Order #...:** GPGD01AA **Matrix.....:** WQ
Date Sampled...: 09/01/04 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**8.9 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.96 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TB01/090104

GC/MS Volatiles

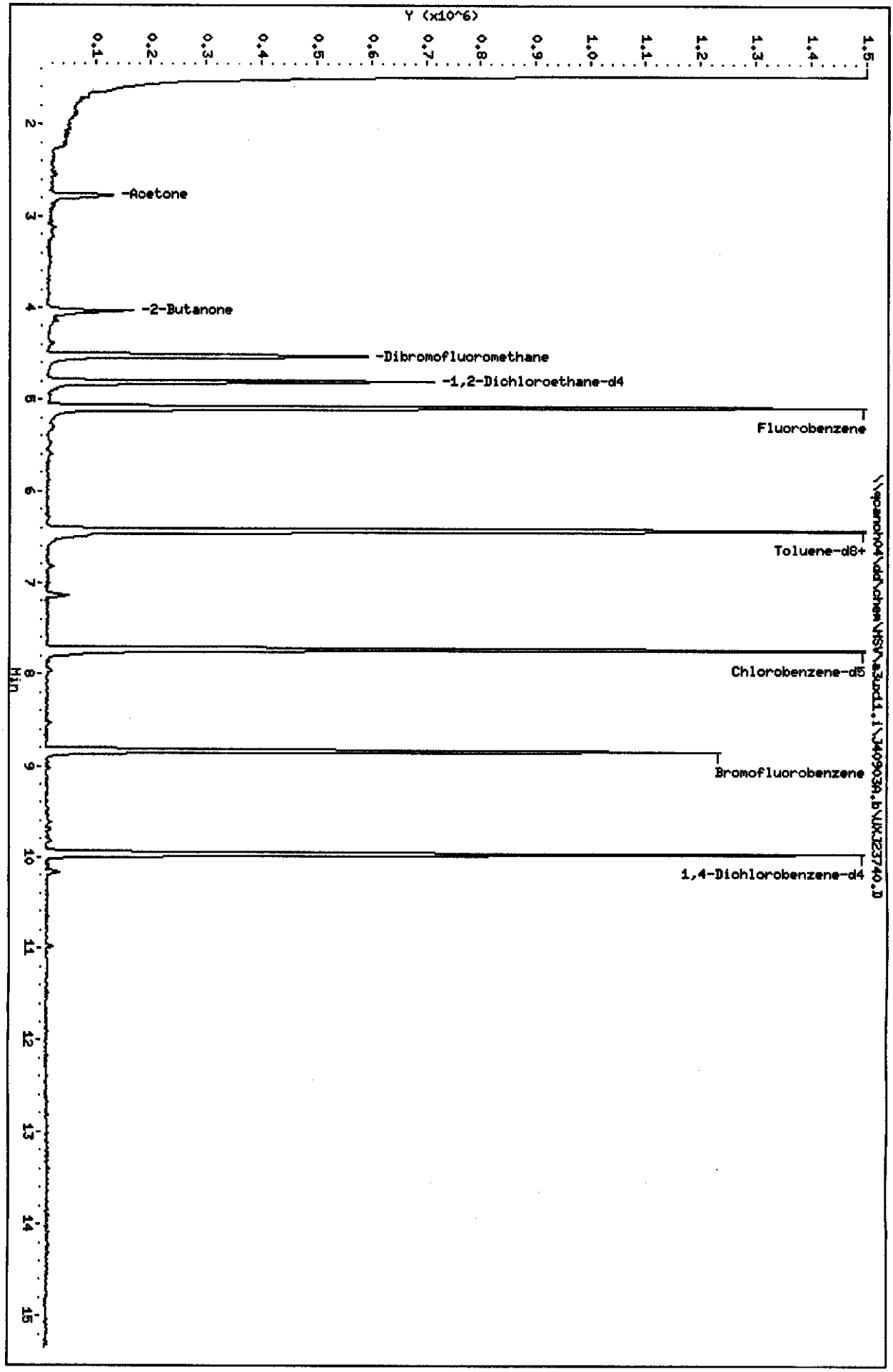
Lot-Sample #...: A4I020164-011 **Work Order #...:** GPGD01AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.18 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J409039A.b\UK123740.D
Date : 03-SEP-2004 12:53
Client ID: TB01/090104
Sample Info: CPCD0100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8+
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanch04\dd\chem\MSV\a3ux11.i\J409039A.b\UK123740.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D
Report Date: 07-Sep-2004 09:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D
Lab Smp Id: GPGD01AA Client Smp ID: TB01/090104
Inj Date : 03-SEP-2004 12:53
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGD01AA,5ML/5ML
Misc Info : J40903A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1611825	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1244086	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	567370	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	431762	56.9197	11.384
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	574094	57.1476	11.430
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1426656	47.8643	9.573
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	505468	40.0150	8.003
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.769	2.769	(0.544)	221049	44.7394	8.948
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D
Report Date: 07-Sep-2004 09:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.142	4.130	(0.814)	23142	4.77979	0.9560
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.496	6.484	(0.839)	31771	0.90387	0.1808
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D
Report Date: 07-Sep-2004 09:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D

Date : 03-SEP-2004 12:53

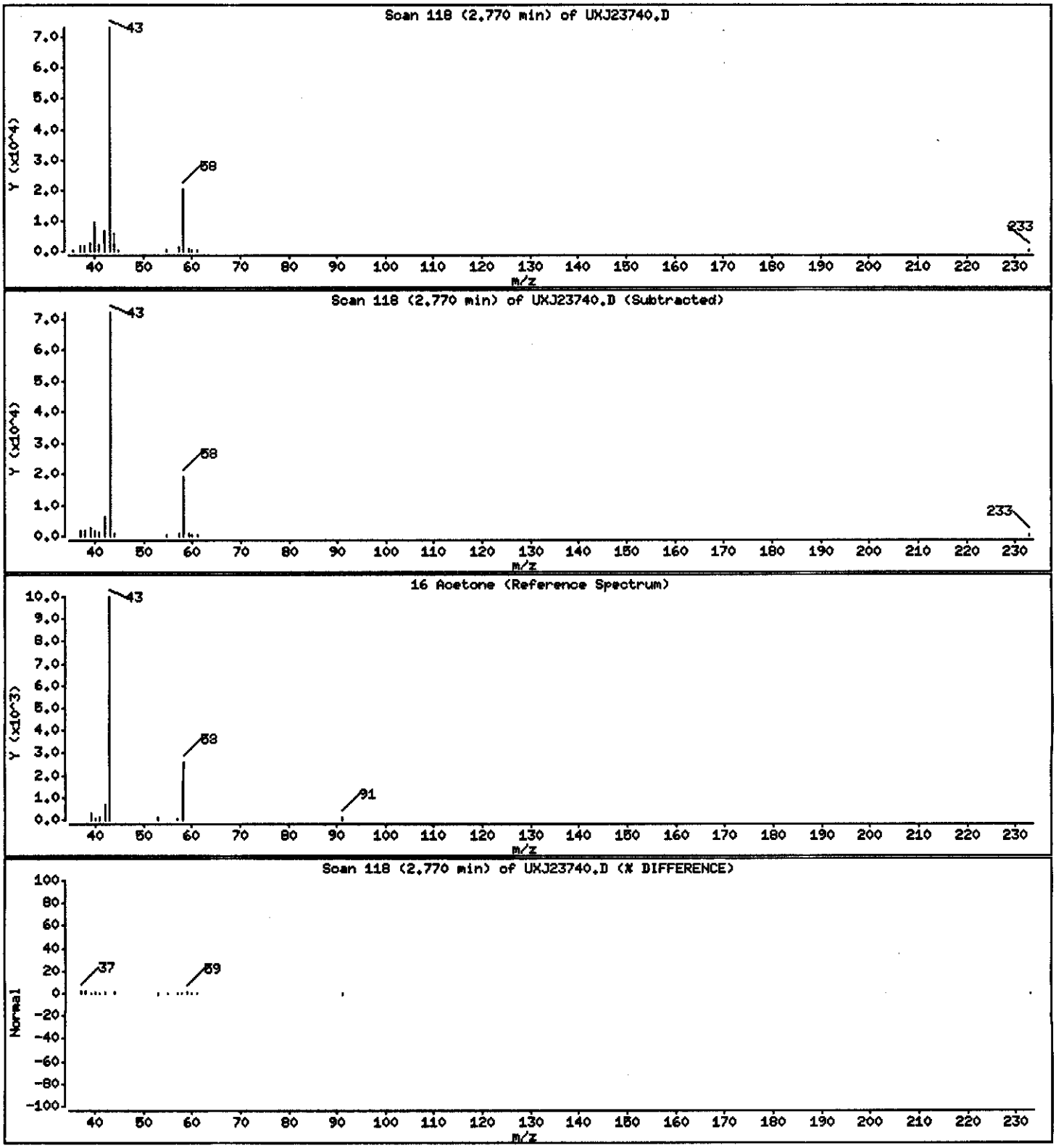
Client ID: TB01/090104 Instrument: a3ux11.i

Sample Info: GPGD01AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 8.948 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D

Date : 03-SEP-2004 12:53

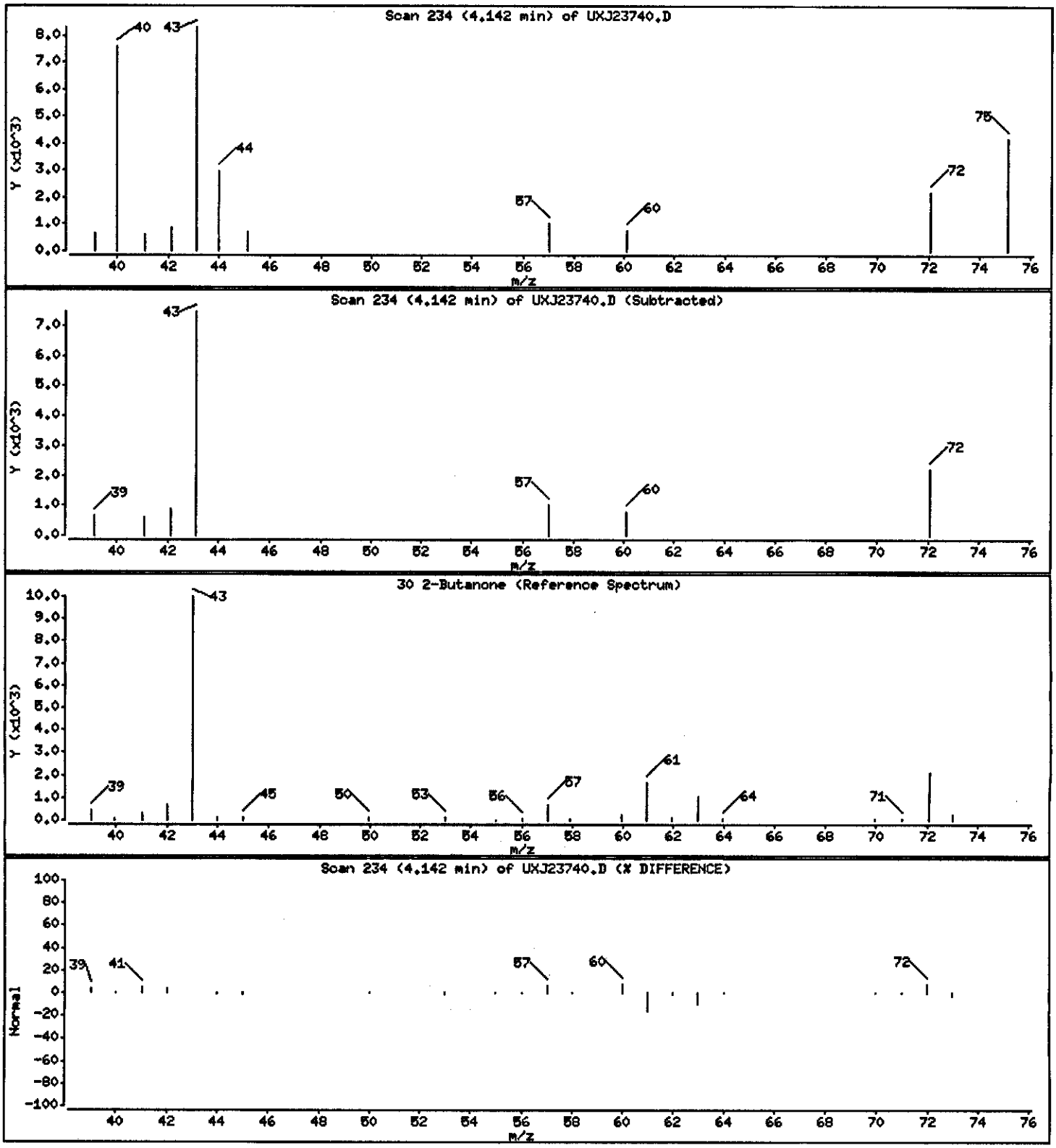
Client ID: TB01/090104 Instrument: a3ux11.i

Sample Info: GPCD01AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.9560 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23740.D

Date : 03-SEP-2004 12:53

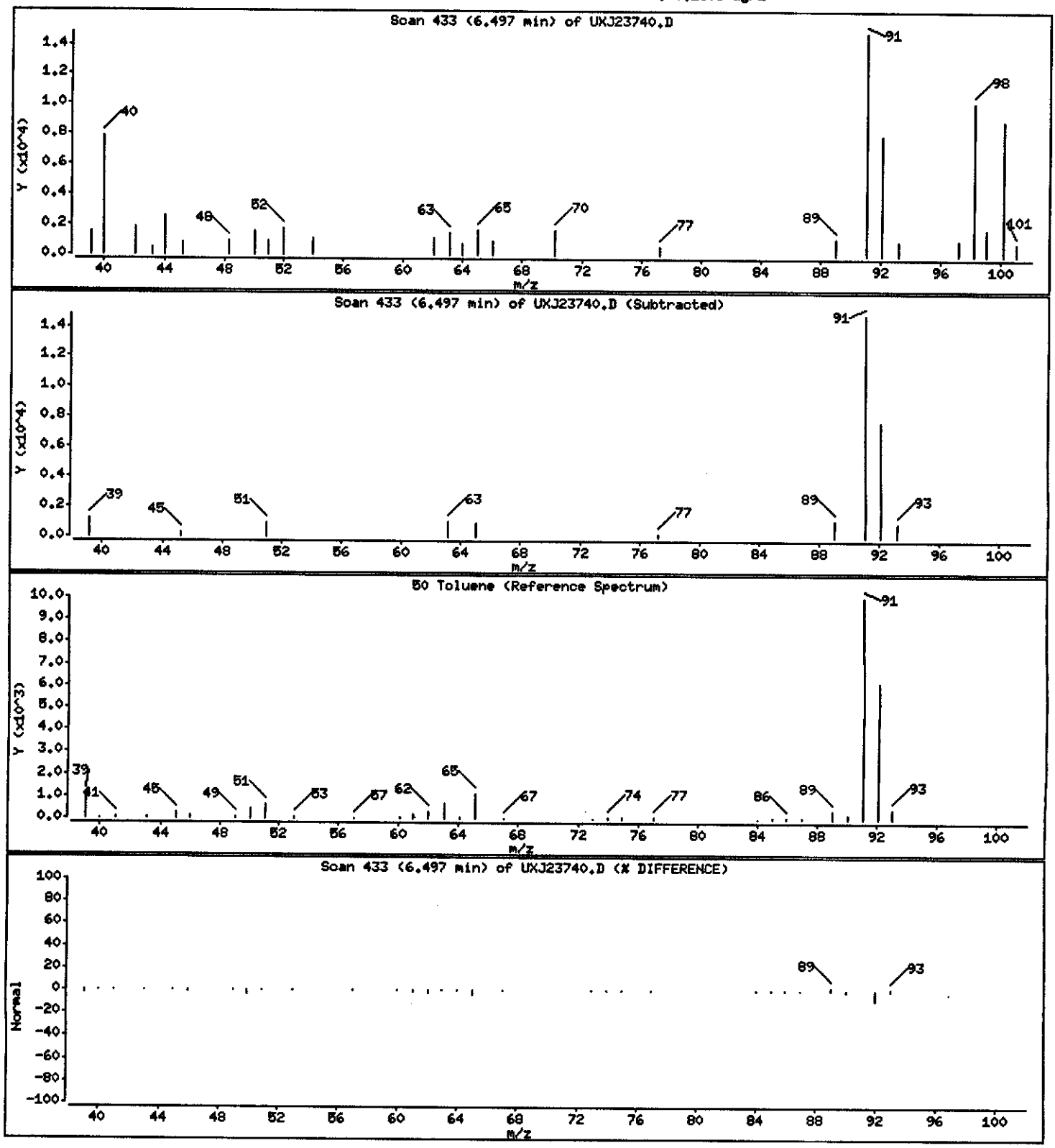
Client ID: TB01/090104 Instrument: a3ux11.i

Sample Info: GPCD01AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1808 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
24-AUG-2004 06:27	dimethox	UXX0877.D
12-AUG-2004 08:27	7-IX+	UXX0527.D
26-AUG-2004 01:41	2-8260	UXX0912.D
Cal Level: 2 , Cal Amount: 10.000		
24-AUG-2004 06:03	dimethox	UXX0876.D
12-AUG-2004 08:04	7-IX+	UXX0526.D
26-AUG-2004 01:18	2-8260	UXX0911.D
Cal Level: 3 , Cal Amount: 25.000		
24-AUG-2004 05:40	dimethox	UXX0875.D
12-AUG-2004 07:41	7-IX+	UXX0525.D
26-AUG-2004 00:55	2-8260	UXX0910.D
Cal Level: 4 , Cal Amount: 50.000		
24-AUG-2004 05:17	dimethox	UXX0874.D
12-AUG-2004 07:18	7-IX+	UXX0524.D
26-AUG-2004 00:32	2-8260	UXX0909.D
Cal Level: 5 , Cal Amount: 100.00		
24-AUG-2004 04:54	dimethox	UXX0873.D
12-AUG-2004 06:56	7-IX+	UXX0523.D
26-AUG-2004 00:09	2-8260	UXX0908.D
Cal Level: 6 , Cal Amount: 200.00		
24-AUG-2004 04:31	dimethox	UXX0872.D
12-AUG-2004 06:33	7-IX+	UXX0522.D
25-AUG-2004 23:46	2-8260	UXX0907.D

Continuing Calibration

26-AUG-2004 02:28	7-IX+	UXX0914.D

Report Date : 26-Aug-2004 15:23

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0877.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0876.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0875.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0874.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0873.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0872.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
8 Dichlorodifluoromethane	0.10221	0.07946	0.11281	0.12752	0.12965	0.11553	0.11120	16.661
9 Chloromethane	0.27402	0.25464	0.25231	0.25231	0.27708	0.23270	0.25718	6.349
10 Vinyl Chloride	0.24224	0.19749	0.23960	0.23134	0.23749	0.20160	0.22496	8.914
11 Bromomethane	0.11581	0.09477	0.10085	0.09056	0.11481	0.13988	0.10945	16.556
12 Chloroethane	0.19293	0.14614	0.18376	0.16895	0.20060	0.19898	0.18189	11.566
13 Trichlorofluoromethane	0.24966	0.19269	0.25490	0.27101	0.33210	0.30758	0.26799	18.177
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	0.37922	10.479
15 Acrolein	0.04926	0.05765	0.05348	0.04820	0.05901	0.05965	0.05454	9.164
16 Acetone	0.19924	0.18128	0.16046	0.15716	0.18043	0.19275	0.17855	9.456
17 1,1-Dichloroethene	0.19046	0.18888	0.18924	0.18146	0.21161	0.21518	0.19614	7.028
18 Freon-113	0.14257	0.12891	0.13553	0.12874	0.15700	0.15869	0.14191	9.416
19 Iodomethane	0.26135	0.28408	0.25789	0.24537	0.26435	0.23198	0.25751	6.874
20 Carbon Disulfide	0.56947	0.55039	0.55609	0.53116	0.60818	0.59415	0.56824	5.045
21 Methylene Chloride	0.41792	0.32333	0.25141	0.21600	0.21851	0.20778	0.27249	30.471
22 Acetonitrile	0.04854	0.04374	0.04182	0.03126	0.03358	0.04598	0.04082	16.961
23 Acrylonitrile	0.11576	0.12305	0.11983	0.11726	0.13094	0.13837	0.12420	7.075
24 Methyl tert-butyl ether	0.63297	0.69663	0.68665	0.68119	0.72816	0.71488	0.69008	4.789
25 trans-1,2-Dichloroethene	0.21699	0.20904	0.20776	0.21382	0.23037	0.23453	0.21875	5.117
26 Hexane	0.04152	0.03944	0.04476	0.04100	0.04784	0.04869	0.04388	8.725
27 Vinyl acetate	0.49320	0.48666	0.49552	0.49690	0.56319	0.60474	0.52337	9.337
28 1,1-Dichloroethane	0.36606	0.36826	0.37609	0.37548	0.39452	0.40419	0.38077	4.001
29 tert-Butyl Alcohol	0.04380	0.04432	0.04210	0.03482	0.03675	0.04614	0.04132	10.935
30 2-Butanone	0.21240	0.20392	0.19434	0.18966	0.22360	0.23069	0.20910	7.741
M 31 1,2-Dichloroethene (total)	0.22608	0.22565	0.21493	0.22186	0.23539	0.24027	0.22736	4.034
32 cis-1,2-dichloroethene	0.23517	0.24226	0.22210	0.22989	0.24041	0.24601	0.23597	3.743

Report Date : 26-Aug-2004 15:23

STL North Canton

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.23046	0.23904	0.22171	0.22385	0.25238	0.24366	0.23518	5.083	
	34 Bromochloromethane	0.10834	0.11232	0.10976	0.10770	0.11506	0.11639	0.11160	3.222	
	35 Chloroform	0.38306	0.39986	0.38591	0.37156	0.39529	0.40201	0.38962	2.979	
	36 Tetrahydrofuran	0.14005	0.12418	0.11963	0.10509	0.11640	0.11956	0.12082	9.444	
	37 1,1,1-Trichloroethane	0.31102	0.29744	0.30324	0.28622	0.30340	0.29935	0.30011	2.749	
	38 1,1-Dichloropropene	0.33638	0.28512	0.27799	0.26758	0.29839	0.31188	0.29622	8.458	
	39 Carbon Tetrachloride	0.24783	0.22846	0.24585	0.22774	0.26531	0.26195	0.24619	6.477	
	40 1,2-Dichloroethane	0.32003	0.33221	0.31324	0.31429	0.33310	0.34035	0.32554	3.446	
	41 Benzene	1.07988	0.99185	0.89946	0.86474	0.90735	0.91921	0.94375	8.340	
	42 Trichloroethene	0.24576	0.25605	0.24849	0.23785	0.24829	0.24702	0.24724	2.364	
	43 1,2-Dichloropropane	0.19398	0.19315	0.19160	0.19574	0.21237	0.21234	0.19986	4.887	
	44 1,4-Dioxane	0.00357	0.00349	0.00344	0.00211	0.00286	0.00383	0.00322	19.548	<-
	45 Dibromomethane	0.12431	0.12481	0.13199	0.13014	0.13961	0.14287	0.13229	5.757	
	46 Bromodichloromethane	0.26698	0.26323	0.25727	0.26372	0.28413	0.28684	0.27036	4.497	
	47 2-Chloroethyl vinyl ether	0.12516	0.13142	0.13342	0.13213	0.14242	0.15131	0.13598	6.865	
	48 cis-1,3-Dichloropropene	0.28134	0.28275	0.27612	0.31182	0.32645	0.34253	0.30350	9.072	
	49 4-Methyl-2-pentanone	0.32568	0.33203	0.32626	0.32685	0.35318	0.36494	0.33816	4.959	
	50 Toluene	1.21933	1.20082	1.24727	1.23579	1.31928	1.33536	1.25964	4.362	
	51 trans-1,3-Dichloropropene	0.36856	0.39535	0.40433	0.39931	0.43734	0.44484	0.40829	6.946	
	52 Ethyl Methacrylate	0.37003	0.37910	0.41694	0.41287	0.44740	0.45543	0.41363	8.369	
	53 1,1,2-Trichloroethane	0.25571	0.25184	0.25857	0.25570	0.26768	0.27283	0.26039	3.112	
	54 1,3-Dichloropropane	0.42167	0.46112	0.47165	0.46612	0.50387	0.51678	0.47353	7.126	
	55 Tetrachloroethene	0.26044	0.22972	0.23435	0.23063	0.24887	0.25051	0.24242	5.209	
	56 2-Hexanone	0.30316	0.35038	0.33583	0.34180	0.37147	0.37776	0.34673	7.771	
	57 Dibromochloromethane	0.20315	0.25035	0.25038	0.26277	0.28342	0.29109	0.25686	12.164	
	58 1,2-Dibromoethane	0.25141	0.25218	0.26655	0.27412	0.29082	0.28375	0.26981	6.009	
	59 Chlorobenzene	0.84036	0.79850	0.79799	0.79069	0.82421	0.83534	0.81451	2.629	
	60 1,1,1,2-Tetrachloroethane	0.25831	0.26744	0.26759	0.27674	0.29529	0.31172	0.27952	7.210	
	61 Ethylbenzene	0.38803	0.42258	0.44114	0.42164	0.45790	0.46726	0.43309	6.628	
	62 m + p-Xylene	0.52985	0.52869	0.55404	0.54076	0.57899	0.60884	0.55686	5.669	
M	63 Xylenes (total)	0.52805	0.53143	0.55345	0.54783	0.57643	0.60778	0.55750	5.407	
	64 Xylene-o	0.52443	0.53693	0.55225	0.56198	0.57130	0.60566	0.55876	5.103	
	65 Styrene	0.76427	0.82306	0.88126	0.89399	0.96461	1.01960	0.89113	10.374	

Report Date : 26-Aug-2004 15:23

STL North Canton

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Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
66 Bromoform	0.14094	0.16931	0.18527	0.19373	0.20839	0.22687	0.18742	16.057
67 Isopropylbenzene	1.24226	1.22054	1.28541	1.25895	1.38308	1.44270	1.30549	6.733
68 1,1,2,2-Tetrachloroethane	0.61221	0.60292	0.64060	0.62574	0.67828	0.73213	0.64865	7.507
69 1,4-Dichloro-2-butene	0.16485	0.20056	0.19043	0.21554	0.23655	0.24242	0.20839	14.043
70 1,2,3-Trichloropropane	0.21978	0.26104	0.28165	0.28934	0.28796	0.29082	0.27177	10.210
71 Bromobenzene	0.57697	0.62288	0.61795	0.63308	0.65708	0.65624	0.62737	4.728
72 n-Propylbenzene	0.58827	0.65589	0.66047	0.65972	0.69173	0.69455	0.65844	5.822
73 2-Chlorotoluene	0.61132	0.59558	0.62170	0.61017	0.61755	0.62515	0.61358	1.720
74 1,3,5-Trimethylbenzene	1.88582	1.92360	1.97968	2.00491	2.16391	2.22872	2.03111	6.703
75 4-Chlorotoluene	0.60823	0.64009	0.60741	0.61701	0.64394	0.65080	0.62791	3.068
76 tert-Butylbenzene	1.69519	1.53288	1.70547	1.70270	1.84947	1.91606	1.73363	7.749
77 1,2,4-Trimethylbenzene	2.01951	2.03970	2.07449	2.13178	2.21944	2.30031	2.13087	5.160
78 sec-Butylbenzene	2.15260	2.27384	2.37413	2.28584	2.54199	2.66473	2.38219	7.946
79 4-Isopropyltoluene	1.78058	1.82016	1.99996	1.94175	2.12909	2.20932	1.98014	8.510
80 1,3-Dichlorobenzene	1.22429	1.20496	1.20366	1.19012	1.23632	1.27223	1.22193	2.421
81 1,4-Dichlorobenzene	1.36311	1.33091	1.24622	1.30204	1.27968	1.27861	1.30010	3.209
82 n-Butylbenzene	1.57441	1.61205	1.76926	1.67181	1.83821	1.97958	1.74089	8.762
83 1,2-Dichlorobenzene	1.19779	1.15492	1.24381	1.15870	1.19002	1.23796	1.19720	3.160
84 1,2-Dibromo-3-chloropropane	0.14945	0.16391	0.18693	0.17578	0.19739	0.20812	0.18026	12.029
85 1,2,4-Trichlorobenzene	0.70320	0.70702	0.75725	0.63008	0.66579	0.74042	0.70063	6.703
86 Hexachlorobutadiene	0.26450	0.24156	0.26267	0.20930	0.22383	0.26259	0.24407	9.576
87 Naphthalene	2.45719	2.35372	2.55500	2.18018	2.30004	2.58961	2.40596	6.532
88 1,2,3-Trichlorobenzene	0.77599	0.65337	0.71480	0.56124	0.58914	0.68986	0.66407	12.060
89 Ethyl Ether	0.22999	0.25334	0.25454	0.26672	0.27045	0.27285	0.25798	6.177
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
91 3-Chloropropene	0.08472	0.09562	0.10282	0.10431	0.10290	0.10842	0.09980	8.483
92 Isopropyl Ether	0.16785	0.16725	0.18468	0.19645	0.20428	0.22224	0.19046	11.309
93 2-Chloro-1,3-butadiene	0.25118	0.27168	0.30138	0.32290	0.33195	0.35380	0.30548	12.633
94 Propionitrile	0.03525	0.03405	0.03586	0.03540	0.04078	0.04071	0.03701	7.982
95 Ethyl Acetate	0.28915	0.28399	0.29551	0.30614	0.32275	0.33026	0.30464	6.116
96 Methacrylonitrile	0.18891	0.17537	0.19137	0.18863	0.19809	0.19561	0.18966	4.186
97 Isobutanol	0.01325	0.01548	0.01400	0.01699	0.01712	0.01667	0.01559	10.535
98 Cyclohexane	0.32153	0.32944	0.35154	0.31303	0.36754	0.37537	0.34307	7.449

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STL North Canton

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Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.00840	0.01209	0.01185	0.01176	0.01170	0.01225	0.01134	12.843	<-
100 Methyl Methacrylate	0.23714	0.22358	0.22564	0.24181	0.25179	0.25774	0.23962	5.722	
101 2-Nitropropane	0.03952	0.04901	0.04465	0.05026	0.05799	0.06219	0.05060	16.530	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.02589	0.03146	0.03124	0.03222	0.03211	0.02954	0.03041	7.931	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.80085	0.73740	0.80014	0.69234	0.72343	0.80951	0.76061	6.482	
143 Methyl Acetate	0.27340	0.26175	0.24655	0.23709	0.25753	0.26906	0.25756	5.326	
144 Methylcyclohexane	0.30394	0.29107	0.31854	0.29247	0.35276	0.36674	0.32092	9.959	
145 Dimethoxymethane	0.27224	0.28890	0.29434	0.31320	0.32972	0.33997	0.30640	8.429	
146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	0.90386	7.526	
$ 4 Dibromofluoromethane	0.17448	0.18352	0.18416	0.18952	0.19451	0.19903	0.18754	4.665	
$ 5 1,2-Dichloroethane-d4	0.26133	0.25021	0.25284	0.26496	0.26296	0.25911	0.25857	2.259	
$ 6 Toluene-d8	0.97347	0.97492	1.03300	1.04533	1.06809	1.08695	1.03029	4.587	
$ 7 Bromofluorobenzene	0.39446	0.38718	0.40222	0.39532	0.40563	0.41675	0.40026	2.581	

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tart Cal Date : 11-AUG-2004 16:41
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ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
al Date : 26-Aug-2004 15:22 quayler

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evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0876.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0875.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0874.D
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evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0872.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	19422	30244	114024	260529	519758	934166	WLINR	0.03034	0.12284		0.99394
9 Chloromethane	0.27402	0.25464	0.25231	0.25231	0.27708	0.23270	AVRG		0.25718		6.34880
10 Vinyl Chloride	0.24224	0.19749	0.23960	0.23134	0.23749	0.20160	AVRG		0.22496		8.91427
11 Bromomethane	22005	36069	101940	185025	460262	1131120	QUAD	0.02228	10.05209	-5.27917	0.99849
12 Chloroethane	0.19293	0.14614	0.18376	0.16895	0.20060	0.19898	AVRG		0.18189		11.56551
13 Trichlorofluoromethane	47440	73339	257651	553680	1331386	2487139	WLINR	0.04799	0.31527		0.99362
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	AVRG		0.37922		10.47914
15 Acrolein	0.04926	0.05765	0.05348	0.04820	0.05901	0.05965	AVRG		0.05454		9.16382
16 Acetone	0.19924	0.18128	0.16046	0.15716	0.18043	0.19275	AVRG		0.17855		9.45607

eport Date : 26-Aug-2004 15:27

STL North Canton

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tart Cal Date : 11-AUG-2004 16:41
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ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
al Date : 26-Aug-2004 15:22 quayler

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	17 1,1-Dichloroethene	0.19046	0.18888	0.18924	0.18146	0.21161	0.21518	AVRG		0.19614		7.02751
	18 Freon-113	0.14257	0.12891	0.13553	0.12874	0.15700	0.15869	AVRG		0.14191		9.41649
	19 Iodomethane	0.26135	0.28408	0.25789	0.24537	0.26435	0.23198	AVRG		0.25751		6.87404
	20 Carbon Disulfide	0.56947	0.55039	0.55609	0.53116	0.60818	0.59415	AVRG		0.56824		5.04508
	21 Methylene Chloride	79412	123063	254120	441305	876002	1680145	WLINR	-0.10945	0.20304		0.99936
	22 Acetonitrile	92238	166472	422683	638582	1346308	3718309	QUAD	-1.19984	36.58038	-7.70538	0.99846
	23 Acrylonitrile	0.11576	0.12305	0.11983	0.11726	0.13094	0.13837	AVRG		0.12420		7.07509
	24 Methyl tert-butyl ether	0.63297	0.69663	0.68665	0.68119	0.72816	0.71488	AVRG		0.69008		4.78852
	25 trans-1,2-Dichloroethene	0.21699	0.20904	0.20776	0.21382	0.23037	0.23453	AVRG		0.21875		5.11716
	26 Hexane	0.04152	0.03944	0.04476	0.04100	0.04784	0.04869	AVRG		0.04388		8.72511
	27 Vinyl acetate	0.49320	0.48666	0.49552	0.49690	0.56319	0.60474	AVRG		0.52337		9.33734
	28 1,1-Dichloroethane	0.36606	0.36826	0.37609	0.37548	0.39452	0.40419	AVRG		0.38077		4.00110
	29 tert-Butyl Alcohol	0.04380	0.04432	0.04210	0.03482	0.03675	0.04614	AVRG		0.04132		10.93499
	30 2-Butanone	0.21240	0.20392	0.19434	0.18966	0.22360	0.23069	AVRG		0.20910		7.74143
M	31 1,2-Dichloroethene (total)	0.22608	0.22565	0.21493	0.22186	0.23539	0.24027	AVRG		0.22736		4.03393
	32 cis-1,2-dichloroethene	0.23517	0.24226	0.22210	0.22989	0.24041	0.24601	AVRG		0.23597		3.74325
	33 2,2-Dichloropropane	0.23046	0.23904	0.22171	0.22385	0.25238	0.24366	AVRG		0.23518		5.08348

eport Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 11-AUG-2004 16:41
nd Cal Date : 26-AUG-2004 01:41
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
al Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.10834	0.11232	0.10976	0.10770	0.11506	0.11639	AVRG		0.11160		3.22228	
35 Chloroform	0.38306	0.39986	0.38591	0.37156	0.39529	0.40201	AVRG		0.38962		2.97909	
36 Tetrahydrofuran	0.14005	0.12418	0.11963	0.10509	0.11640	0.11956	AVRG		0.12082		9.44390	
37 1,1,1-Trichloroethane	0.31102	0.29744	0.30324	0.28622	0.30340	0.29935	AVRG		0.30011		2.74928	
38 1,1-Dichloropropene	0.33638	0.28512	0.27799	0.26758	0.29839	0.31188	AVRG		0.29622		8.45778	
39 Carbon Tetrachloride	0.24783	0.22846	0.24585	0.22774	0.26531	0.26195	AVRG		0.24619		6.47746	
40 1,2-Dichloroethane	0.32003	0.33221	0.31324	0.31429	0.33310	0.34035	AVRG		0.32554		3.44609	
41 Benzene	1.07988	0.99185	0.89946	0.86474	0.90735	0.91921	AVRG		0.94375		8.34002	
42 Trichloroethene	0.24576	0.25605	0.24849	0.23785	0.24829	0.24702	AVRG		0.24724		2.36355	
43 1,2-Dichloropropane	0.19398	0.19315	0.19160	0.19574	0.21237	0.21234	AVRG		0.19986		4.88683	
44 1,4-Dioxane	33891	66387	173670	215467	573263	1548590	QUAD	-2.91266	427	-212	0.99414	<-
45 Dibromomethane	0.12431	0.12481	0.13199	0.13014	0.13961	0.14287	AVRG		0.13229		5.75683	
46 Bromodichloromethane	0.26698	0.26323	0.25727	0.26372	0.28413	0.28684	AVRG		0.27036		4.49699	
47 2-Chloroethyl vinyl ether	0.12516	0.13142	0.13342	0.13213	0.14242	0.15131	AVRG		0.13598		6.86535	
48 cis-1,3-Dichloropropene	0.28134	0.28275	0.27612	0.31182	0.32645	0.34253	AVRG		0.30350		9.07156	
49 4-Methyl-2-pentanone	0.32568	0.33203	0.32626	0.32685	0.35318	0.36494	AVRG		0.33816		4.95854	
50 Toluene	1.21933	1.20082	1.24727	1.23579	1.31928	1.33536	AVRG		1.25964		4.36226	

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al Date : 26-Aug-2004 15:22 quayler

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	51 trans-1,3-Dichloropropene	0.36856	0.39535	0.40433	0.39931	0.43734	0.44484	AVRG		0.40829		6.94618
	52 Ethyl Methacrylate	0.37003	0.37910	0.41694	0.41287	0.44740	0.45543	AVRG		0.41363		8.36910
	53 1,1,2-Trichloroethane	0.25571	0.25184	0.25857	0.25570	0.26768	0.27283	AVRG		0.26039		3.11155
	54 1,3-Dichloropropane	0.42167	0.46112	0.47165	0.46612	0.50387	0.51678	AVRG		0.47353		7.12554
	55 Tetrachloroethene	0.26044	0.22972	0.23435	0.23063	0.24887	0.25051	AVRG		0.24242		5.20886
	56 2-Hexanone	0.30316	0.35038	0.33583	0.34180	0.37147	0.37776	AVRG		0.34673		7.77099
	57 Dibromochloromethane	0.20315	0.25035	0.25038	0.26277	0.28342	0.29109	AVRG		0.25686		12.16401
	58 1,2-Dibromoethane	0.25141	0.25218	0.26655	0.27412	0.29082	0.28375	AVRG		0.26981		6.00909
	59 Chlorobenzene	0.84036	0.79850	0.79799	0.79069	0.82421	0.83534	AVRG		0.81451		2.62918
	60 1,1,1,2-Tetrachloroethane	0.25831	0.26744	0.26759	0.27674	0.29529	0.31172	AVRG		0.27952		7.21042
	61 Ethylbenzene	0.38803	0.42258	0.44114	0.42164	0.45790	0.46726	AVRG		0.43309		6.62764
	62 m + p-Xylene	0.52985	0.52869	0.55404	0.54076	0.57899	0.60884	AVRG		0.55686		5.66864
M	63 Xylenes (total)	0.52805	0.53143	0.55345	0.54783	0.57643	0.60778	AVRG		0.55750		5.40716
	64 Xylene-o	0.52443	0.53693	0.55225	0.56198	0.57130	0.60566	AVRG		0.55876		5.10291
	65 Styrene	0.76427	0.82306	0.88126	0.89399	0.96461	1.01960	AVRG		0.89113		10.37441
	66 Bromoform	18879	45168	129411	275512	594379	1311977	QUAD	0.03401	5.05877	-0.76041	0.99997
	67 Isopropylbenzene	1.24226	1.22054	1.28541	1.25895	1.38308	1.44270	AVRG		1.30549		6.73297

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ıl Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.61221	0.60292	0.64060	0.62574	0.67828	0.73213	AVRG		0.64865		7.50718
69 1,4-Dichloro-2-butene	0.16485	0.20056	0.19043	0.21554	0.23655	0.24242	AVRG		0.20839		14.04275
70 1,2,3-Trichloropropane	0.21978	0.26104	0.28165	0.28934	0.28796	0.29082	AVRG		0.27177		10.21003
71 Bromobenzene	0.57697	0.62288	0.61795	0.63308	0.65708	0.65624	AVRG		0.62737		4.72756
72 n-Propylbenzene	0.58827	0.65589	0.66047	0.65972	0.69173	0.69455	AVRG		0.65844		5.82215
73 2-Chlorotoluene	0.61132	0.59558	0.62170	0.61017	0.61755	0.62515	AVRG		0.61358		1.71958
74 1,3,5-Trimethylbenzene	1.88582	1.92360	1.97968	2.00491	2.16391	2.22872	AVRG		2.03111		6.70339
75 4-Chlorotoluene	0.60823	0.64009	0.60741	0.61701	0.64394	0.65080	AVRG		0.62791		3.06807
76 tert-Butylbenzene	1.69519	1.53288	1.70547	1.70270	1.84947	1.91606	AVRG		1.73363		7.74860
77 1,2,4-Trimethylbenzene	2.01951	2.03970	2.07449	2.13178	2.21944	2.30031	AVRG		2.13087		5.16011
78 sec-Butylbenzene	2.15260	2.27384	2.37413	2.28584	2.54199	2.66473	AVRG		2.38219		7.94632
79 4-Isopropyltoluene	1.78058	1.82016	1.99996	1.94175	2.12909	2.20932	AVRG		1.98014		8.51039
80 1,3-Dichlorobenzene	1.22429	1.20496	1.20366	1.19012	1.23632	1.27223	AVRG		1.22193		2.42120
81 1,4-Dichlorobenzene	1.36311	1.33091	1.24622	1.30204	1.27968	1.27861	AVRG		1.30010		3.20948
82 n-Butylbenzene	1.57441	1.61205	1.76926	1.67181	1.83821	1.97958	AVRG		1.74089		8.76188
83 1,2-Dichlorobenzene	1.19779	1.15492	1.24381	1.15870	1.19002	1.23796	AVRG		1.19720		3.15984
84 1,2-Dibromo-3-chloropropane	0.14945	0.16391	0.18693	0.17578	0.19739	0.20812	AVRG		0.18026		12.02912

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STL North Canton

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al Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.70320	0.70702	0.75725	0.63008	0.66579	0.74042	AVRG		0.70063		6.70316	
86 Hexachlorobutadiene	0.26450	0.24156	0.26267	0.20930	0.22383	0.26259	AVRG		0.24407		9.57639	
87 Naphthalene	2.45719	2.35372	2.55500	2.18018	2.30004	2.58961	AVRG		2.40596		6.53190	
88 1,2,3-Trichlorobenzene	0.77599	0.65337	0.71480	0.56124	0.58914	0.68986	AVRG		0.66407		12.05991	
89 Ethyl Ether	0.22999	0.25334	0.25454	0.26672	0.27045	0.27285	AVRG		0.25798		6.17685	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.08472	0.09562	0.10282	0.10431	0.10290	0.10842	AVRG		0.09980		8.48330	
92 Isopropyl Ether	0.16785	0.16725	0.18468	0.19645	0.20428	0.22224	AVRG		0.19046		11.30901	
93 2-Chloro-1,3-butadiene	0.25118	0.27168	0.30138	0.32290	0.33195	0.35380	AVRG		0.30548		12.63269	
94 Propionitrile	0.03525	0.03405	0.03586	0.03540	0.04078	0.04071	AVRG		0.03701		7.98196	
95 Ethyl Acetate	0.28915	0.28399	0.29551	0.30614	0.32275	0.33026	AVRG		0.30464		6.11650	
96 Methacrylonitrile	0.18891	0.17537	0.19137	0.18863	0.19809	0.19561	AVRG		0.18966		4.18624	
97 Isobutanol	0.01325	0.01548	0.01400	0.01699	0.01712	0.01667	AVRG		0.01559		10.53530	
98 Cyclohexane	0.32153	0.32944	0.35154	0.31303	0.36754	0.37537	AVRG		0.34307		7.44935	
99 n-Butanol	0.00840	0.01209	0.01185	0.01176	0.01170	0.01225	AVRG		0.01134		12.84255	<-
100 Methyl Methacrylate	0.23714	0.22358	0.22564	0.24181	0.25179	0.25774	AVRG		0.23962		5.72217	
101 2-Nitropropane	10945	27756	64478	149072	351283	753058	QUAD	0.11007	18.25243	-4.86604	0.99928	

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STL North Canton

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ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
al Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.02589	0.03146	0.03124	0.03222	0.03211	0.02954	AVRG		0.03041		7.93090	
104 Pentachloroethane	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	*****	*****	*****	*****	*****	*****	AVRG		0.76061		6.48231	
141 1,3,5-Trichlorobenzene	0.80085	0.73740	0.80014	0.69234	0.72343	0.80951	AVRG		0.25756		5.32578	
143 Methyl Acetate	0.27340	0.26175	0.24655	0.23709	0.25753	0.26906	AVRG		0.32092		9.95941	
144 Methylcyclohexane	0.30394	0.29107	0.31854	0.29247	0.35276	0.36674	AVRG		0.30640		8.42901	
145 Dimethoxymethane	0.27224	0.28890	0.29434	0.31320	0.32972	0.33997	AVRG		0.90386		7.52629	
146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	AVRG					

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STL North Canton

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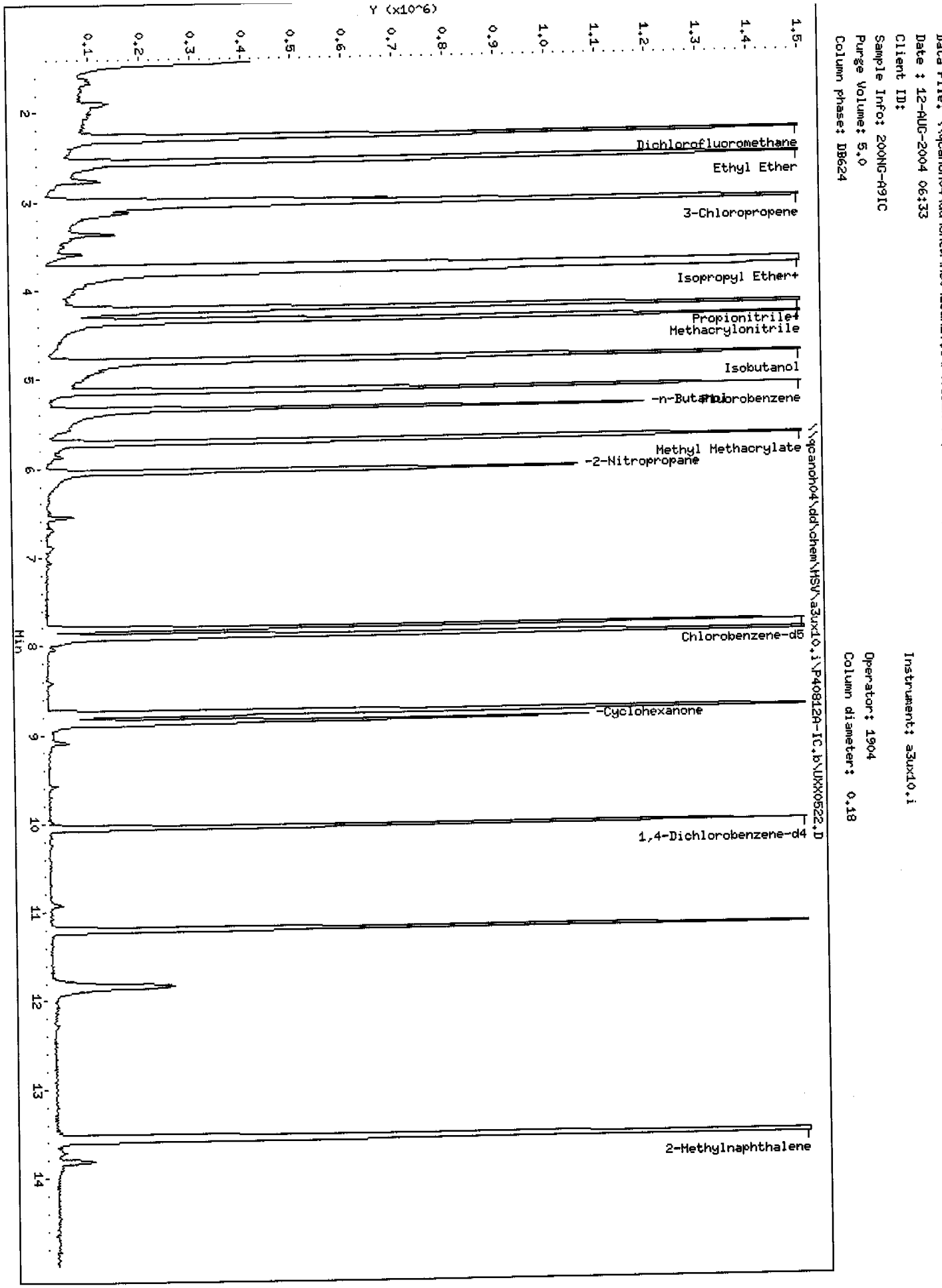
al Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	0.17448	0.18352	0.18416	0.18952	0.19451	0.19903	AVRG		0.18754		4.66512
5 1,2-Dichloroethane-d4	0.26133	0.25021	0.25284	0.26496	0.26296	0.25911	AVRG		0.25857		2.25937
6 Toluene-d8	0.97347	0.97492	1.03300	1.04533	1.06809	1.08695	AVRG		1.03029		4.58700
7 Bromofluorobenzene	0.39446	0.38718	0.40222	0.39532	0.40563	0.41675	AVRG		0.40026		2.58105

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response


Data File: \\qcanon04\dd\chem\HSV\a3ux10.i\P40812A-IC.b\UXX0522.D
Date : 12-AUG-2004 06:33
Client ID:
Sample Info: 200NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Dichlorofluoromethane
Ethyl Ether
3-Chloropropene
Isopropyl Ether+
Propionitrile+
Methacrylonitrile
Isobutanol
-n-Butanol
Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min
2
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\\qcanon04\dd\chem\HSV\a3ux10.i\P40812A-IC.b\UXX0522.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.D
Report Date: 12-Aug-2004 14:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.D
Lab Smp Id: 200NG-A9IC
Inj Date : 12-AUG-2004 06:33
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:46 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 37 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

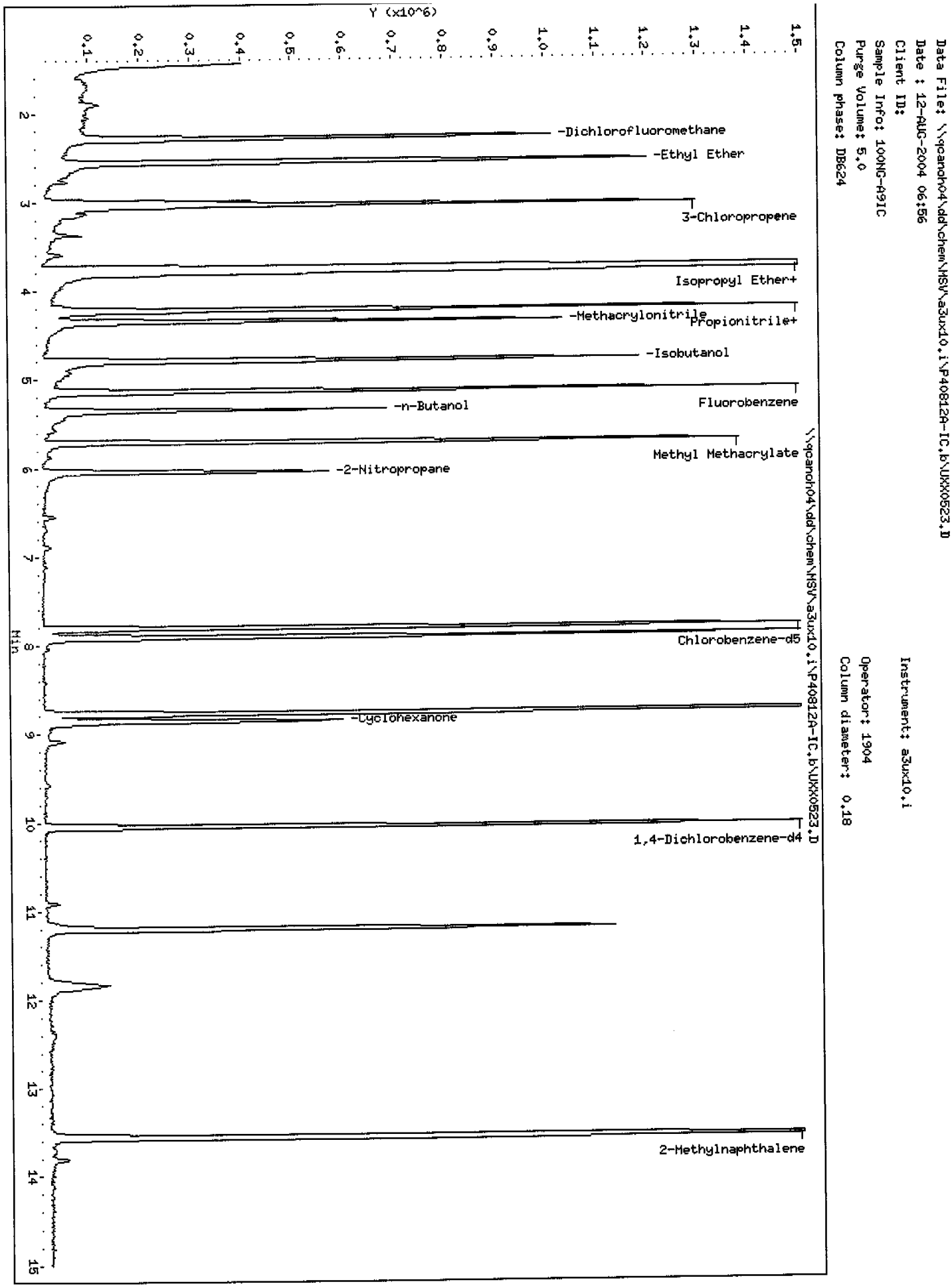
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1513521	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1021715	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	516910	50.0000	
14 Dichlorofluoromethane	67	2.274	2.274	(0.443)	2616784	200.000	227.96(A)
89 Ethyl Ether	59	2.546	2.546	(0.496)	1651873	200.000	211.53(A)
91 3-Chloropropene	76	3.043	3.043	(0.592)	656383	200.000	217.28(A)
92 Isopropyl Ether	87	3.764	3.764	(0.733)	6727168	1000.00	1166.8(A)
93 2-Chloro-1,3-butadiene	53	3.788	3.788	(0.737)	2141919	200.000	231.63(A)
94 Propionitrile	54	4.214	4.214	(0.820)	492888	400.000	439.98(A)
95 Ethyl Acetate	43	4.226	4.226	(0.823)	3998859	400.000	433.65(A)
96 Methacrylonitrile	41	4.344	4.344	(0.846)	1184225	200.000	206.27(A)
97 Isobutanol	41	4.794	4.794	(0.614)	1362809	4000.00	4279.1(A)
99 n-Butanol	56	5.350	5.350	(0.685)	1001493	4000.00	4321.0(A)
100 Methyl Methacrylate	41	5.705	5.705	(1.111)	1560371	200.000	215.12(A)
101 2-Nitropropane	41	6.048	6.048	(1.177)	753058	400.000	399.35(A)
103 Cyclohexanone	55	8.853	8.853	(0.881)	610855	2000.00	1943.0(A)
146 2-Methylnaphthalene	142	13.562	13.562	(1.350)	4084476	400.000	437.11(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40812A-1C.D\[illegible]
Report Date: 12-Aug-2004 14:46

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Date : 12-AUG-2004 06:56
Client ID:
Sample Info: 100NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Methacrylonitrile
Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Lab Smp Id: 100NG-A9IC
Inj Date : 12-AUG-2004 06:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:47 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 38 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

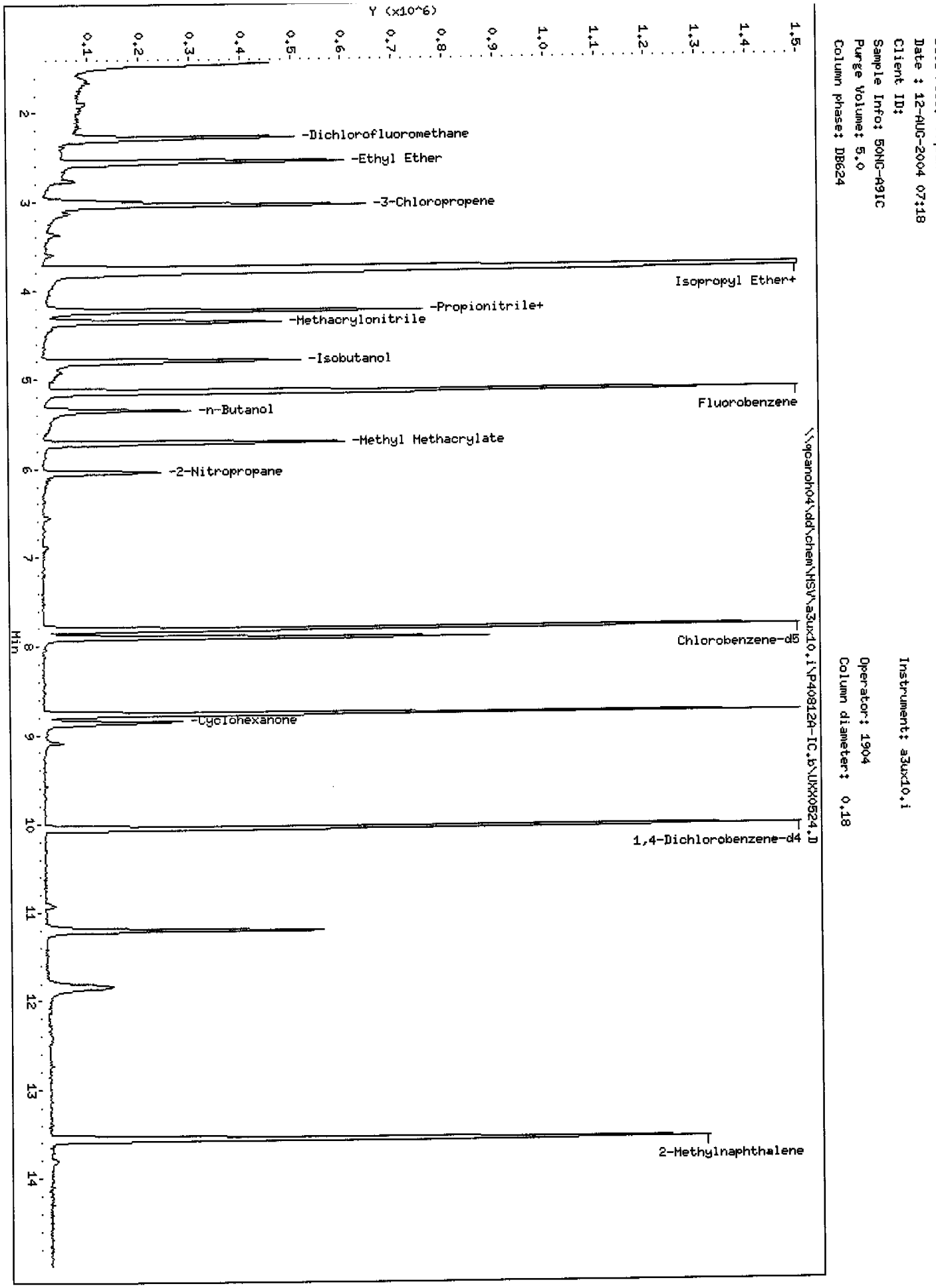
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1514440	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1038871	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	523415	50.0000	
14 Dichlorofluoromethane	67	2.283	2.283	(0.445)	1221607	100.000	106.36
89 Ethyl Ether	59	2.555	2.555	(0.498)	819165	100.000	104.83
91 3-Chloropropene	76	3.040	3.040	(0.592)	311677	100.000	103.11
92 Isopropyl Ether	87	3.762	3.762	(0.733)	3093708	500.000	536.28(A)
93 2-Chloro-1,3-butadiene	53	3.786	3.786	(0.737)	1005432	100.000	108.66
94 Propionitrile	54	4.224	4.224	(0.823)	247023	200.000	220.38(A)
95 Ethyl Acetate	43	4.224	4.224	(0.823)	1955115	200.000	211.89(A)
96 Methacrylonitrile	41	4.354	4.354	(0.848)	599988	100.000	104.44
97 Isobutanol	41	4.792	4.792	(0.614)	711498	2000.00	2197.1(A)
99 n-Butanol	56	5.348	5.348	(0.685)	486067	2000.00	2062.5(A)
100 Methyl Methacrylate	41	5.715	5.715	(1.113)	762638	100.000	105.08
101 2-Nitropropane	41	6.046	6.046	(1.177)	351283	200.000	204.10(A)
103 Cyclohexanone	55	8.850	8.850	(0.881)	336106	1000.00	1055.8(A)
146 2-Methylnaphthalene	142	13.560	13.560	(1.350)	2003942	200.000	211.79

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Report Date: 12-Aug-2004 14:47

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-AUG-2004 07:18
Client ID:
Sample Info: 50NG-49IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Report Date: 12-Aug-2004 14:49

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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Lab Smp Id: 50NG-A9IC
Inj Date : 12-AUG-2004 07:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:49 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1483125	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1012863	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	505607	50.0000	
14 Dichlorofluoromethane	67	2.285	2.285	(0.445)	584324	50.0000	51.947
89 Ethyl Ether	59	2.557	2.557	(0.498)	395575	50.0000	51.693
91 3-Chloropropene	76	3.043	3.043	(0.592)	154711	50.0000	52.262
92 Isopropyl Ether	87	3.764	3.764	(0.733)	1456804	250.000	257.86(A)
93 2-Chloro-1,3-butadiene	53	3.788	3.788	(0.737)	478908	50.0000	52.852
94 Propionitrile	54	4.226	4.226	(0.823)	104996	100.000	95.647
95 Ethyl Acetate	43	4.226	4.226	(0.823)	908101	100.000	100.50
96 Methacrylonitrile	41	4.356	4.356	(0.848)	279765	50.0000	49.728
97 Isobutanol	41	4.794	4.794	(0.614)	344086	1000.00	1089.8(A)
99 n-Butanol	56	5.350	5.350	(0.685)	238288	1000.00	1037.1(A)
100 Methyl Methacrylate	41	5.705	5.705	(1.111)	358639	50.0000	50.458
101 2-Nitropropane	41	6.048	6.048	(1.177)	149072	100.000	94.775
103 Cyclohexanone	55	8.853	8.853	(0.881)	162909	500.000	529.78(A)
146 2-Methylnaphthalene	142	13.562	13.562	(1.350)	933030	100.000	102.08

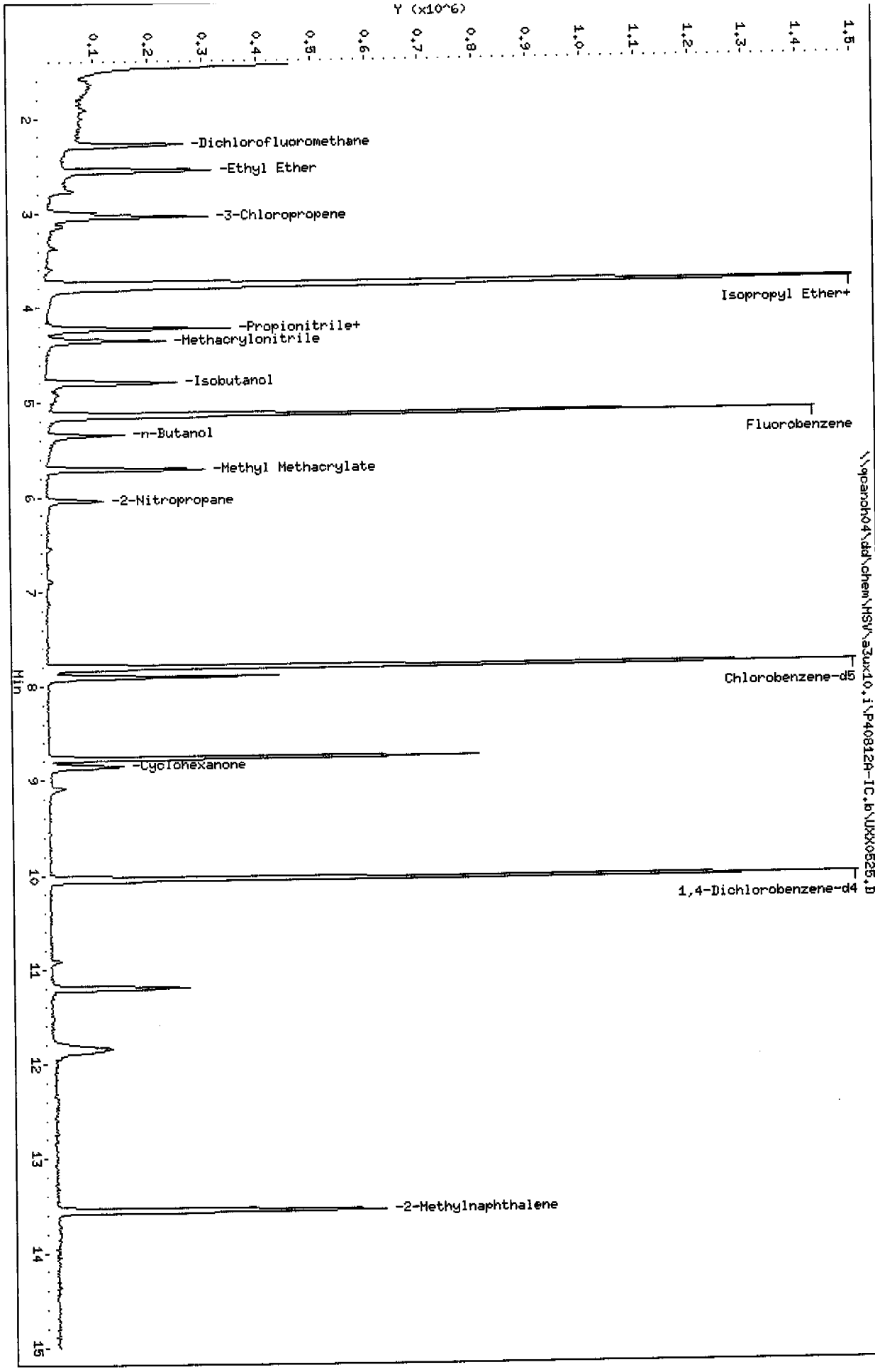
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-1C.D\UXX0524.D
Report Date: 12-Aug-2004 14:49

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Date : 12-AUG-2004 07:41
Client ID:
Sample Info: 25NG-A91C
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Lab Smp Id: 25NG-A9IC
Inj Date : 12-AUG-2004 07:41
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:47 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 40 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

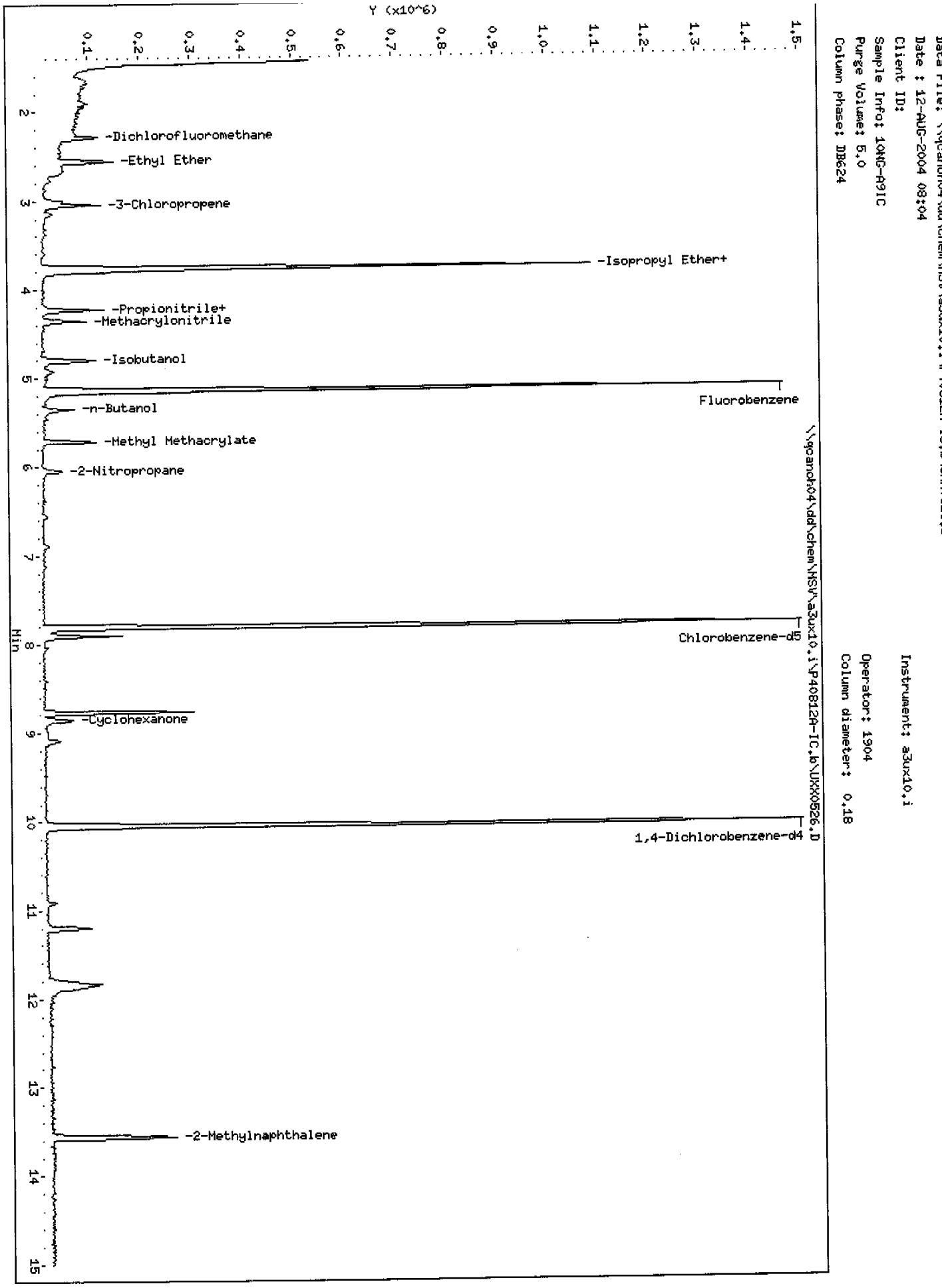
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1443937	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	991466	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	496761	50.0000	
14 Dichlorofluoromethane	67	2.282	2.282	(0.445)	274212	25.0000	25.039
89 Ethyl Ether	59	2.555	2.555	(0.498)	183772	25.0000	24.667
91 3-Chloropropene	76	3.040	3.040	(0.592)	74232	25.0000	25.756
92 Isopropyl Ether	87	3.762	3.762	(0.733)	666666	125.000	121.21
93 2-Chloro-1,3-butadiene	53	3.785	3.785	(0.737)	217588	25.0000	24.664
94 Propionitrile	54	4.223	4.223	(0.823)	51786	50.0000	48.455
95 Ethyl Acetate	43	4.223	4.223	(0.823)	426702	50.0000	48.503
96 Methacrylonitrile	41	4.353	4.353	(0.848)	138162	25.0000	25.225
97 Isobutanol	41	4.791	4.791	(0.614)	138820	500.000	449.18(A)
99 n-Butanol	56	5.347	5.347	(0.685)	117528	500.000	522.55(A)
100 Methyl Methacrylate	41	5.714	5.714	(1.113)	162906	25.0000	23.542
101 2-Nitropropane	41	6.045	6.045	(1.177)	64478	50.0000	45.771
103 Cyclohexanone	55	8.850	8.850	(0.881)	77583	250.000	256.79(A)
146 2-Methylnaphthalene	142	13.559	13.559	(1.350)	442617	50.0000	49.289

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-1C.D\UXX0525.D
Report Date: 12-Aug-2004 14:47

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-AUG-2004 08:04
Client ID:
Sample Info: 10NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
\\qcanch04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D

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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D
Lab Smp Id: 10NG-A9IC
Inj Date : 12-AUG-2004 08:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:48 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 41 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

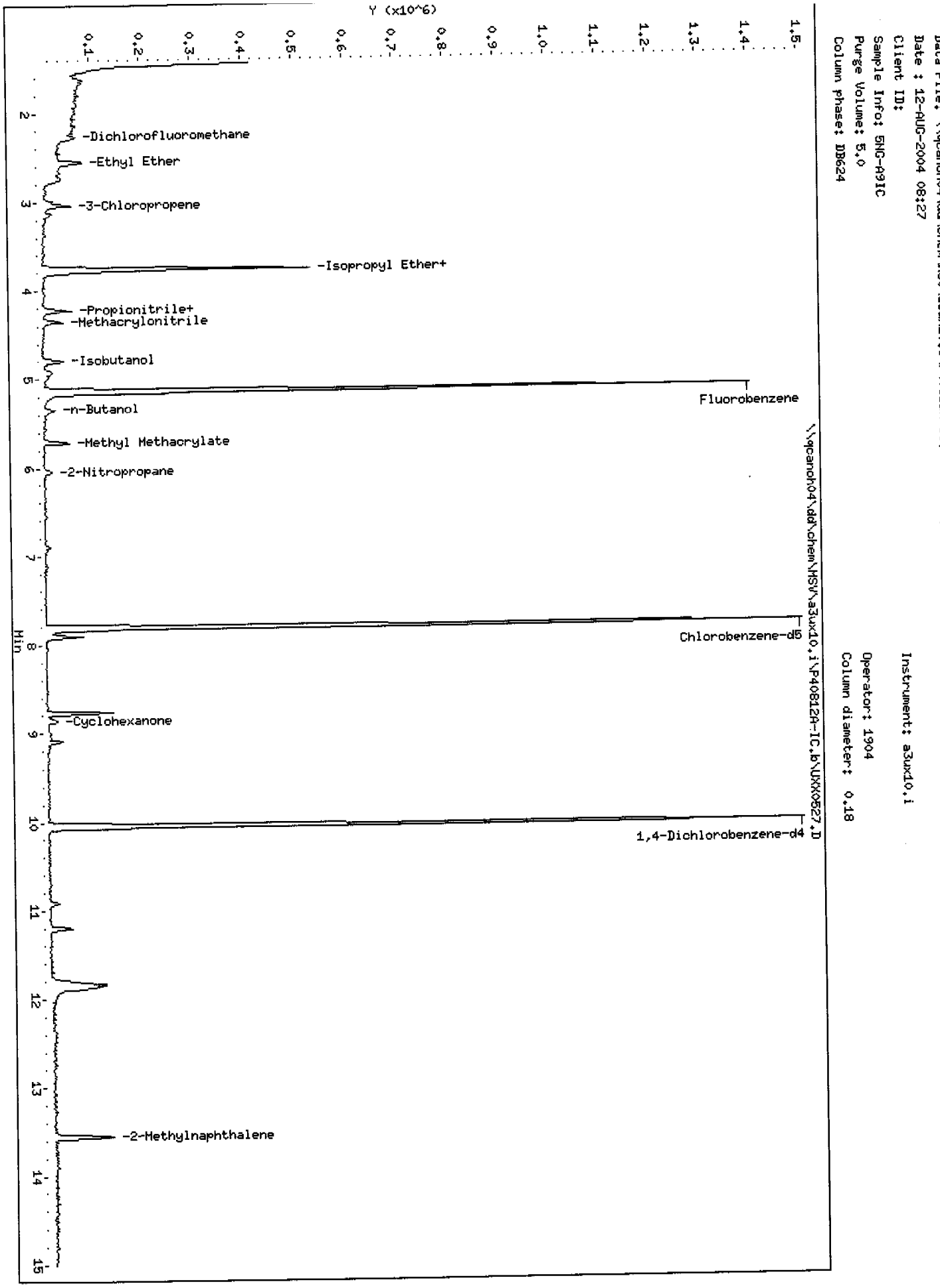
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1415818	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1002144	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	497553	50.0000	
14 Dichlorofluoromethane	67	2.284	2.284	(0.445)	93673	10.0000	8.723
89 Ethyl Ether	59	2.556	2.556	(0.498)	71736	10.0000	9.820
91 3-Chloropropene	76	3.041	3.041	(0.592)	27077	10.0000	9.582
92 Isopropyl Ether	87	3.763	3.763	(0.733)	236799	50.0000	43.908
93 2-Chloro-1,3-butadiene	53	3.786	3.786	(0.737)	76931	10.0000	8.894
94 Propionitrile	54	4.224	4.224	(0.823)	19286	20.0000	18.404
95 Ethyl Acetate	43	4.224	4.224	(0.823)	160834	20.0000	18.645
96 Methacrylonitrile	41	4.354	4.354	(0.848)	49658	10.0000	9.246
97 Isobutanol	41	4.792	4.792	(0.614)	62061	200.000	198.67
99 n-Butanol	56	5.348	5.348	(0.685)	48456	200.000	213.15(A)
100 Methyl Methacrylate	41	5.715	5.715	(1.113)	63310	10.0000	9.331
101 2-Nitropropane	41	6.046	6.046	(1.177)	27756	20.0000	23.301
103 Cyclohexanone	55	8.851	8.851	(0.881)	31303	100.000	103.44
146 2-Methylnaphthalene	142	13.560	13.560	(1.350)	172698	20.0000	19.201

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40812A-1C.D\UXX0526.D
Report Date: 12-Aug-2004 14:48

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-AUG-2004 08:27
Client ID:
Sample Info: 5NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Report Date: 12-Aug-2004 14:49

STL North Canton

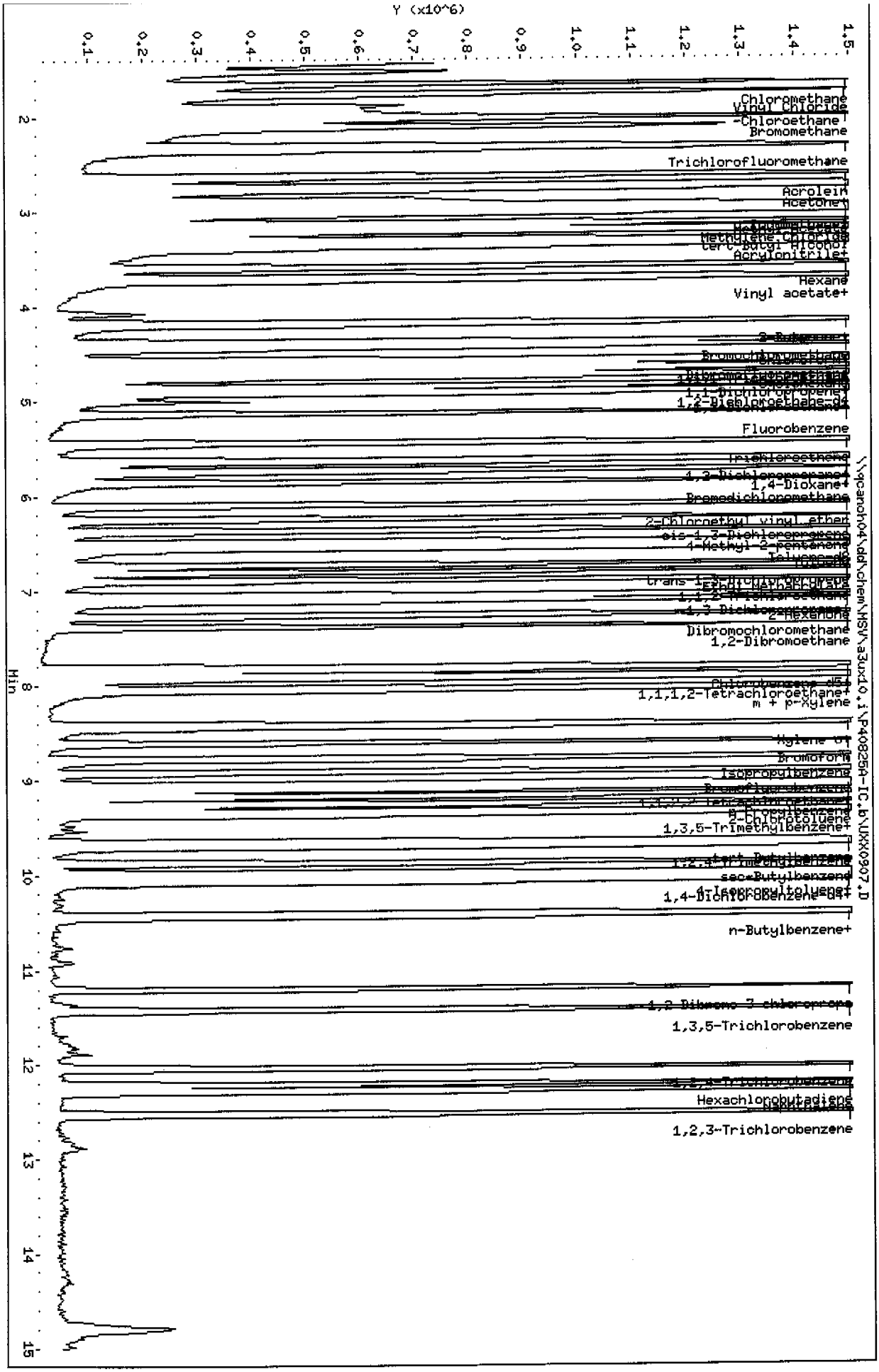
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Lab Smp Id: 5NG-A9IC
Inj Date : 12-AUG-2004 08:27
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:48 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 42 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1384862	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	948977	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	485407	50.0000	
14 Dichlorofluoromethane	67	2.271	2.271	(0.442)	46413	5.00000	4.419
89 Ethyl Ether	59	2.555	2.555	(0.498)	31851	5.00000	4.458
91 3-Chloropropene	76	3.040	3.040	(0.592)	11732	5.00000	4.244
92 Isopropyl Ether	87	3.762	3.762	(0.733)	116227	25.0000	22.033
93 2-Chloro-1,3-butadiene	53	3.785	3.785	(0.737)	34785	5.00000	4.111
94 Propionitrile	54	4.223	4.223	(0.823)	9762	10.0000	9.524
95 Ethyl Acetate	43	4.223	4.223	(0.823)	80087	10.0000	9.492
96 Methacrylonitrile	41	4.353	4.353	(0.848)	26162	5.00000	4.980
97 Isobutanol	41	4.791	4.791	(0.614)	25147	100.000	85.011
99 n-Butanol	56	5.347	5.347	(0.685)	15942	100.000	74.055
100 Methyl Methacrylate	41	5.714	5.714	(1.113)	32840	5.00000	4.948
101 2-Nitropropane	41	6.046	6.046	(1.177)	10945	10.0000	12.701
103 Cyclohexanone	55	8.850	8.850	(0.881)	12569	50.0000	42.575
146 2-Methylnaphthalene	142	13.559	13.559	(1.350)	77363	10.0000	8.816


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0907.D
Date : 25-AUG-2004 23:46
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
Chloromethane
Vinyl Chloride
Chloroethane
Bromomethane
Trichlorofluoromethane
Acrolein
Acetone
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile
Hexane
Vinyl acetate
Fluorobenzene
1,4-Dioxane
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane
1,1,1,2-Tetrachloroethane
m + p-Xylene
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene
n-Butylbenzene
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0907.D
Lab Smp Id: 200NG-IC
Inj Date : 25-AUG-2004 23:46
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:18 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	2021541	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	1445739	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	827049	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	1609416	200.000	233.00(A)
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	2095221	200.000	231.64(A)
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	6285804	200.000	212.42(A)
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	2410048	200.000	234.47(A)
8 Dichlorodifluoromethane	85	1.525	1.525	(0.297)	934166	200.000	184.99
9 Chloromethane	50	1.655	1.655	(0.322)	1881626	200.000	151.10
10 Vinyl Chloride	62	1.750	1.750	(0.341)	1630152	200.000	148.03
11 Bromomethane	94	2.010	2.010	(0.392)	1131120	200.000	209.61(A)
12 Chloroethane	64	2.105	2.105	(0.410)	1608971	200.000	201.64(A)
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	2487139	200.000	241.79(A)
15 Acrolein	56	2.638	2.638	(0.514)	4823240	2000.00	1881.2
16 Acetone	43	2.756	2.756	(0.537)	3117163	400.000	676.56(A)
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	1739970	200.000	227.77(A)
18 Freon-113	151	2.768	2.768	(0.539)	1283202	200.000	259.86(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40625A-1C.D\0XA0907.D
Report Date: 26-Aug-2004 15:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.898	2.898	(0.564)	1875854	200.000	178.29
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	4804431	200.000	209.16(A)
	21 Methylene Chloride	84	3.123	3.123	(0.608)	1680145	200.000	170.57
	22 Acetonitrile	41	2.981	2.981	(0.581)	3718309	2000.00	3115.4(A)
	23 Acrylonitrile	53	3.312	3.312	(0.645)	11189114	2000.00	2459.7(A)
	24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	5780616	200.000	221.14(A)
	25 trans-1,2-Dichloroethene	96	3.359	3.359	(0.654)	1896414	200.000	215.69(A)
	26 Hexane	86	3.584	3.584	(0.698)	393754	200.000	244.97(A)
	27 Vinyl acetate	43	3.726	3.726	(0.726)	4890048	200.000	222.48(A)
	28 1,1-Dichloroethane	63	3.702	3.702	(0.721)	3268370	200.000	216.88(A)
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	7461146	4000.00	6456.3(A)
	30 2-Butanone	43	4.176	4.176	(0.813)	3730872	400.000	549.04(A)
M	31 1,2-Dichloroethene (total)	96				3885729	400.000	433.49
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	1989315	200.000	217.79(A)
	33 2,2-Dichloropropane	77	4.176	4.176	(0.813)	1970237	200.000	226.09(A)
	34 Bromochloromethane	128	4.377	4.377	(0.853)	941164	200.000	222.13(A)
	35 Chloroform	83	4.424	4.424	(0.862)	3250725	200.000	227.54(A)
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	966792	200.000	212.09(A)
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	2420626	200.000	231.50(A)
	38 1,1-Dichloropropene	75	4.732	4.732	(0.922)	2521915	200.000	237.36(A)
	39 Carbon Tetrachloride	117	4.744	4.744	(0.924)	2118168	200.000	251.16(A)
	40 1,2-Dichloroethane	62	4.909	4.909	(0.956)	2752121	200.000	233.05(A)
	41 Benzene	78	4.909	4.909	(0.956)	7432861	200.000	196.39
	42 Trichloroethene	130	5.442	5.442	(1.060)	1997475	200.000	210.63(A)
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	1717024	200.000	205.06(A)
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	1548590	10000.0	17189(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	1155262	200.000	226.34(A)
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	2319464	200.000	235.01(A)
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	2447009	400.000	424.38(A)
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	2769746	200.000	215.91(A)
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	5901906	400.000	430.58(A)
	50 Toluene	91	6.554	6.554	(0.839)	7722316	200.000	210.47(A)
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	2572467	200.000	221.45(A)
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	2633726	200.000	211.44(A)
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	1577757	200.000	210.15(A)
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	2988509	200.000	218.66(A)
	55 Tetrachloroethene	164	7.051	7.051	(0.903)	1448695	200.000	217.37(A)
	56 2-Hexanone	43	7.110	7.110	(0.911)	4369138	400.000	443.88(A)
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	1683386	200.000	242.95(A)
	58 1,2-Dibromoethane	107	7.382	7.382	(0.945)	1640935	200.000	214.26(A)
	59 Chlorobenzene	112	7.832	7.832	(1.003)	4830742	200.000	209.46(A)
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	1802661	200.000	244.31(A)
	61 Ethylbenzene	106	7.927	7.927	(1.015)	2702137	200.000	212.50(A)
	62 m + p-Xylene	106	8.033	8.033	(1.029)	7041822	400.000	444.99(A)
M	63 Xylenes (total)	106				10544337	600.000	668.50
	64 Xylene-o	106	8.412	8.412	(1.077)	3502515	200.000	223.51(A)
	65 Styrene	104	8.424	8.424	(1.079)	5896274	200.000	230.08(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.D\UXX0907.D
Report Date: 26-Aug-2004 15:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	1311977	200.000	267.31(A)
67 Isopropylbenzene	105	8.767	8.767	(1.123)	8343088	200.000	239.87(A)
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	2422034	200.000	225.80(A)
69 1,4-Dichloro-2-butene	53	9.086	9.086	(0.905)	801962	200.000	201.65(A)
70 1,2,3-Trichloropropane	110	9.086	9.086	(0.905)	962095	200.000	214.66(A)
71 Bromobenzene	156	9.075	9.075	(0.903)	2170976	200.000	203.12(A)
72 n-Propylbenzene	120	9.169	9.169	(0.913)	2297711	200.000	204.60(A)
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	2068127	200.000	207.83(A)
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	7373058	200.000	227.26(A)
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	2152985	200.000	207.27(A)
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	6338704	200.000	225.80(A)
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	7609888	200.000	227.01(A)
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	8815441	200.000	239.94(A)
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	7308870	200.000	238.02(A)
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	4208797	200.000	211.75(A)
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	4229903	200.000	205.61(A)
82 n-Butylbenzene	91	10.412	10.412	(1.037)	6548841	200.000	248.34(A)
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	4095411	200.000	216.06(A)
84 1,2-Dibromo-3-chloropropane	157	11.204	11.204	(1.115)	688500	200.000	253.07(A)
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	2449462	200.000	236.45(A)
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	868688	200.000	257.41(A)
87 Naphthalene	128	12.281	12.281	(1.223)	8566927	200.000	241.82(A)
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	2282204	200.000	244.45(A)
98 Cyclohexane	56	4.661	4.661	(0.908)	3035285	200.000	236.27(A)
143 Methyl Acetate	43	3.040	3.040	(0.592)	4351273	400.000	441.51
144 Methylcyclohexane	83	5.631	5.631	(1.097)	2965526	200.000	251.85
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	2678010	200.000	240.07

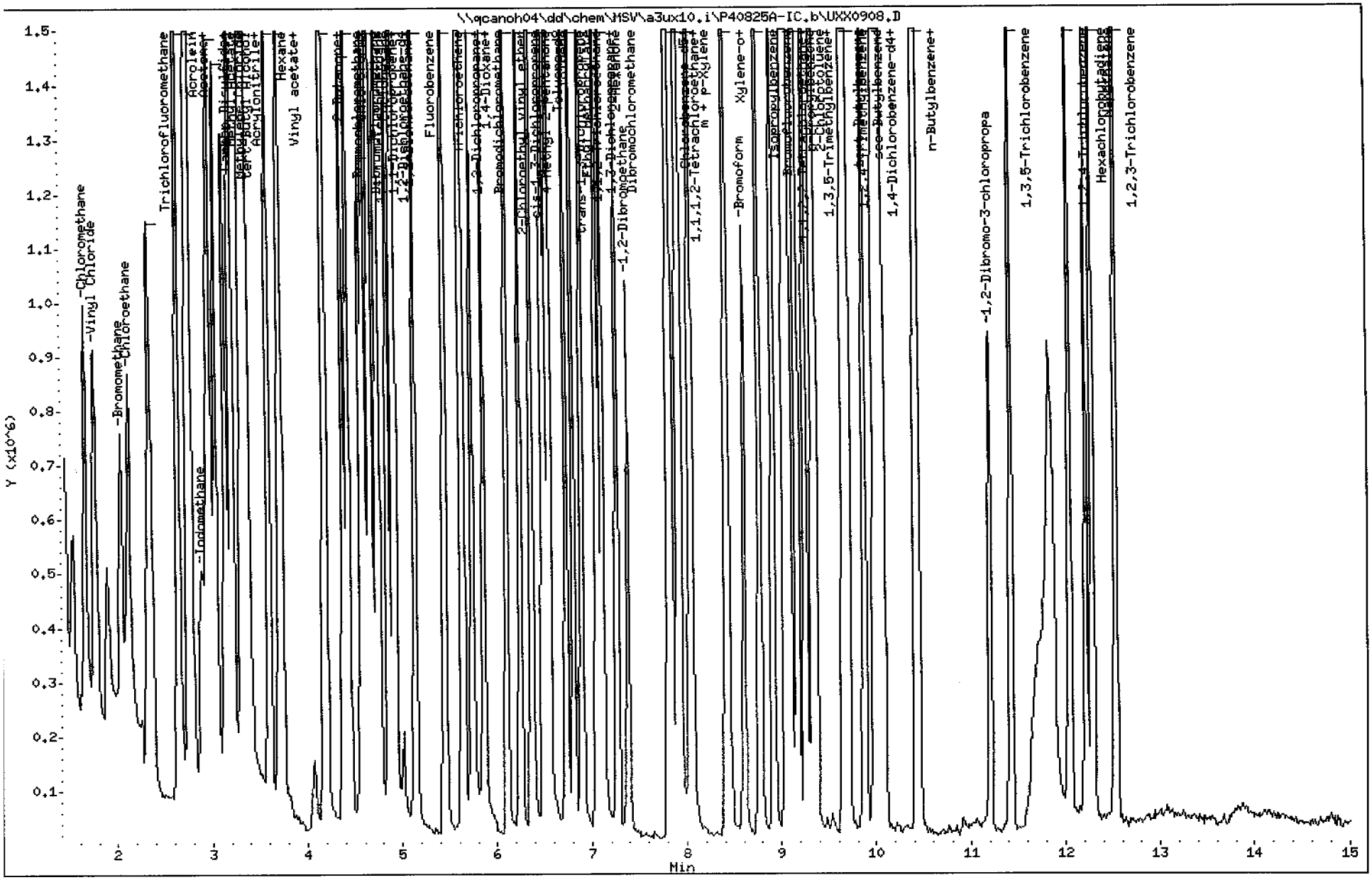
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Date : 26-AUG-2004 00:09
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Lab Smp Id: 100NG-IC
Inj Date : 26-AUG-2004 00:09
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:19 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:54 Cal File: UXX0873.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	2004506	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1426142	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	792341	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	779789	100.000	111.71
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	1054214	100.000	114.74
$ 6 Toluene-d8	98	6.496	6.496	(0.832)	3046504	100.000	104.88
$ 7 Bromofluorobenzene	95	8.910	8.910	(1.141)	1156964	100.000	112.66
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	519758	100.000	107.34
9 Chloromethane	50	1.657	1.657	(0.323)	1110802	100.000	92.207
10 Vinyl Chloride	62	1.751	1.751	(0.341)	952091	100.000	90.366
11 Bromomethane	94	2.035	2.035	(0.396)	460262	100.000	89.579
12 Chloroethane	64	2.118	2.118	(0.412)	804218	100.000	103.27
13 Trichlorofluoromethane	101	2.331	2.331	(0.454)	1331386	100.000	129.89
15 Acrolein	56	2.639	2.639	(0.514)	2365635	1000.00	946.38
16 Acetone	43	2.757	2.757	(0.537)	1446702	200.000	281.97(A)
17 1,1-Dichloroethene	96	2.745	2.745	(0.535)	848361	100.000	111.85
18 Freon-113	151	2.769	2.769	(0.539)	629395	100.000	127.44

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0XA0906.D
Report Date: 26-Aug-2004 15:19

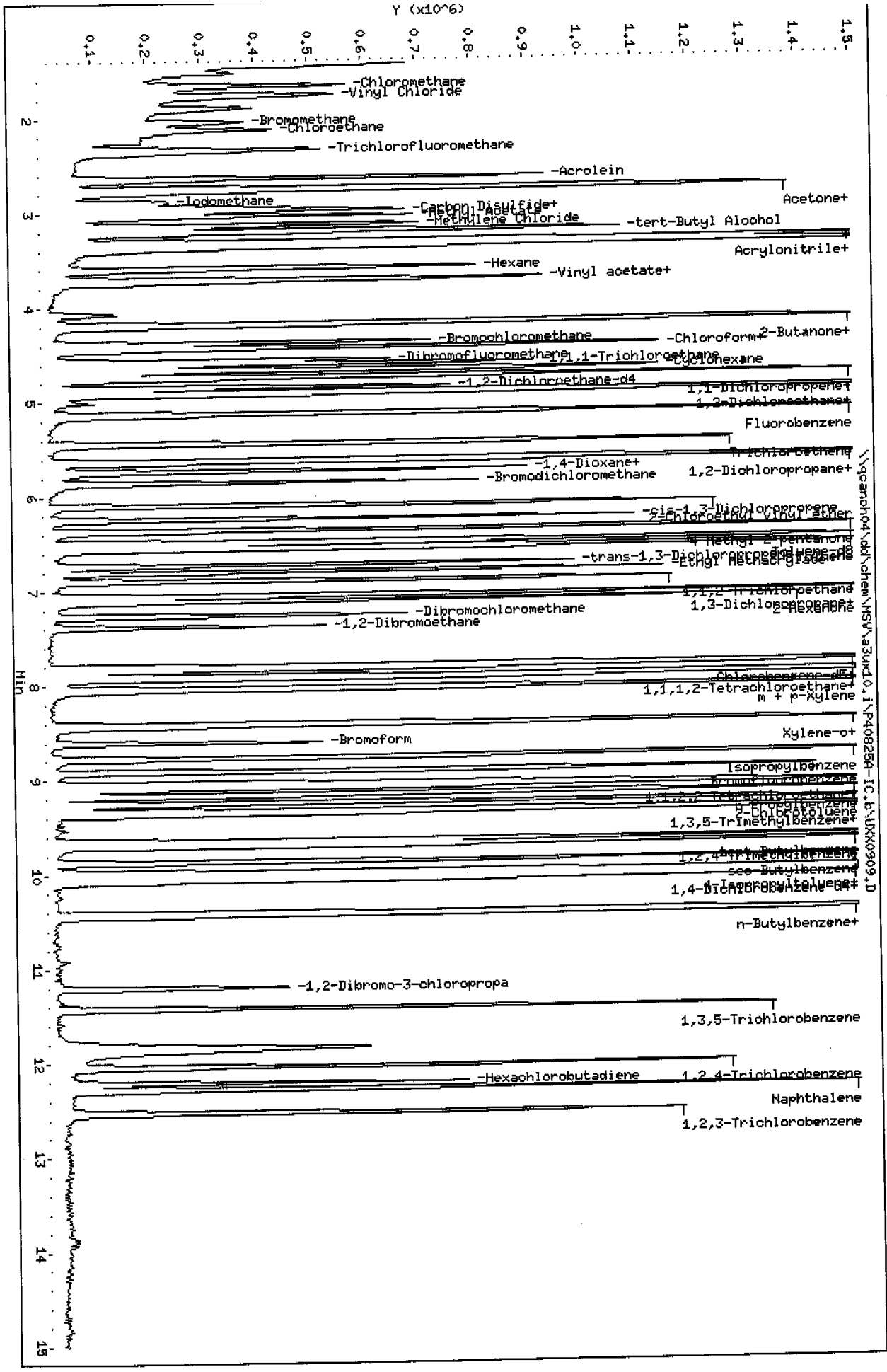
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.899	2.899	(0.565)	1059797	100.000	101.88
	20 Carbon Disulfide	76	2.958	2.958	(0.576)	2438198	100.000	107.32
	21 Methylene Chloride	84	3.136	3.136	(0.611)	876002	100.000	89.185
	22 Acetonitrile	41	2.982	2.982	(0.581)	1346308	1000.00	1079.9
	23 Acrylonitrile	53	3.313	3.313	(0.645)	5249456	1000.00	1137.4
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	2919200	100.000	111.55
	25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	923563	100.000	105.93
	26 Hexane	86	3.597	3.597	(0.700)	191806	100.000	120.16
	27 Vinyl acetate	43	3.727	3.727	(0.726)	2257821	100.000	103.39
	28 1,1-Dichloroethane	63	3.704	3.704	(0.721)	1581645	100.000	105.46
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.624)	2946529	2000.00	2412.7(A)
	30 2-Butanone	43	4.177	4.177	(0.813)	1792824	200.000	249.58(A)
M	31 1,2-Dichloroethene (total)	96				1887373	200.000	211.80
	32 cis-1,2-dichloroethene	96	4.177	4.177	(0.813)	963810	100.000	105.87
	33 2,2-Dichloropropane	77	4.189	4.189	(0.816)	1011786	100.000	115.92
	34 Bromochloromethane	128	4.378	4.378	(0.853)	461293	100.000	108.47
	35 Chloroform	83	4.437	4.437	(0.864)	1584742	100.000	109.91
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	466662	100.000	102.33
	37 1,1,1-Trichloroethane	97	4.603	4.603	(0.896)	1216340	100.000	115.67
	38 1,1-Dichloropropene	75	4.733	4.733	(0.922)	1196238	100.000	112.85
	39 Carbon Tetrachloride	117	4.745	4.745	(0.924)	1063631	100.000	125.11
	40 1,2-Dichloroethane	62	4.911	4.911	(0.956)	1335389	100.000	112.00
	41 Benzene	78	4.911	4.911	(0.956)	3637585	100.000	97.284
	42 Trichloroethene	130	5.443	5.443	(1.060)	995399	100.000	105.13
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	851378	100.000	102.71
	44 1,4-Dioxane	88	5.739	5.739	(1.118)	573263	5000.00	6085.0(A)
	45 Dibromomethane	93	5.739	5.739	(1.118)	559700	100.000	109.04
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	1139100	100.000	113.90
	47 2-Chloroethyl vinyl ether	63	6.106	6.106	(1.189)	1141952	200.000	202.45(A)
	48 cis-1,3-Dichloropropene	75	6.248	6.248	(1.217)	1308744	100.000	103.23
	49 4-Methyl-2-pentanone	43	6.366	6.366	(1.240)	2831830	200.000	207.72(A)
	50 Toluene	91	6.555	6.555	(0.839)	3762970	100.000	104.48
	51 trans-1,3-Dichloropropene	75	6.733	6.733	(0.862)	1247428	100.000	108.75
	52 Ethyl Methacrylate	69	6.804	6.804	(0.871)	1276099	100.000	105.06
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	763513	100.000	103.30
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	1437174	100.000	106.68
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	709856	100.000	108.41
	56 2-Hexanone	43	7.111	7.111	(0.911)	2119099	200.000	215.53(A)
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	808406	100.000	116.80
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	829509	100.000	109.05
	59 Chlorobenzene	112	7.833	7.833	(1.003)	2350880	100.000	103.24
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	842238	100.000	114.32
	61 Ethylbenzene	106	7.928	7.928	(1.015)	1306060	100.000	104.52
	62 m + p-Xylene	106	8.034	8.034	(1.029)	3302911	200.000	212.62(A)
M	63 Xylenes (total)	106				4932426	300.000	318.30
	64 Xylene-o	106	8.413	8.413	(1.077)	1629515	100.000	105.69
	65 Styrene	104	8.425	8.425	(1.079)	2751342	100.000	108.93

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\UXX0908.D
Report Date: 26-Aug-2004 15:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	594379	100.000	121.84
67 Isopropylbenzene	105	8.768	8.768	(1.123)	3944925	100.000	114.04
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	1074856	100.000	104.25
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	374859	100.000	100.66
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	456322	100.000	104.95
71 Bromobenzene	156	9.076	9.076	(0.903)	1041262	100.000	102.31
72 n-Propylbenzene	120	9.170	9.170	(0.913)	1096172	100.000	102.56
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	978627	100.000	102.84
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	3429111	100.000	110.17
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	1020443	100.000	103.23
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	2930818	100.000	108.93
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	3517114	100.000	109.14
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	4028253	100.000	114.18
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	3373929	100.000	113.78
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1959175	100.000	102.65
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	2027881	100.000	102.82
82 n-Butylbenzene	91	10.413	10.413	(1.037)	2912973	100.000	114.19
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	1885808	100.000	103.78
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	312795	100.000	116.78
85 1,2,4-Trichlorobenzene	180	12.034	12.034	(1.198)	1055058	100.000	104.52
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	354696	100.000	107.76
87 Naphthalene	128	12.282	12.282	(1.223)	3644826	100.000	105.34
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	933596	100.000	102.52
98 Cyclohexane	56	4.662	4.662	(0.908)	1473471	100.000	117.00
143 Methyl Acetate	43	3.041	3.041	(0.592)	2064908	200.000	207.99
144 Methylcyclohexane	83	5.632	5.632	(1.097)	1414217	100.000	121.26
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	1146407	100.000	105.51

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 26-AUG-2004 00:32
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
2-Chloroethyl vinyl ether
4-Methyl 2-Pentanone
-trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0909.D
Report Date: 26-Aug-2004 15:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0909.D
Lab Smp Id: 50NG-IC
Inj Date : 26-AUG-2004 00:32
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:22 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	2043056	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1422166	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	778405	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	387197	50.0000	50.528
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	541325	50.0000	51.236
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1486626	50.0000	50.729
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	562208	50.0000	49.383
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	260529	50.0000	57.340
9 Chloromethane	50	1.656	1.656	(0.323)	515478	50.0000	49.054
10 Vinyl Chloride	62	1.762	1.762	(0.343)	472649	50.0000	51.419
11 Bromomethane	94	2.034	2.034	(0.396)	185025	50.0000	41.373
12 Chloroethane	64	2.117	2.117	(0.412)	345183	50.0000	46.443
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	553680	50.0000	50.563
15 Acrolein	56	2.638	2.638	(0.514)	984705	500.000	441.85
16 Acetone	43	2.768	2.768	(0.539)	642165	100.000	88.018
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	370727	50.0000	46.257
18 Freon-113	151	2.768	2.768	(0.539)	263028	50.0000	45.362

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\CAA0909.D
Report Date: 26-Aug-2004 15:22

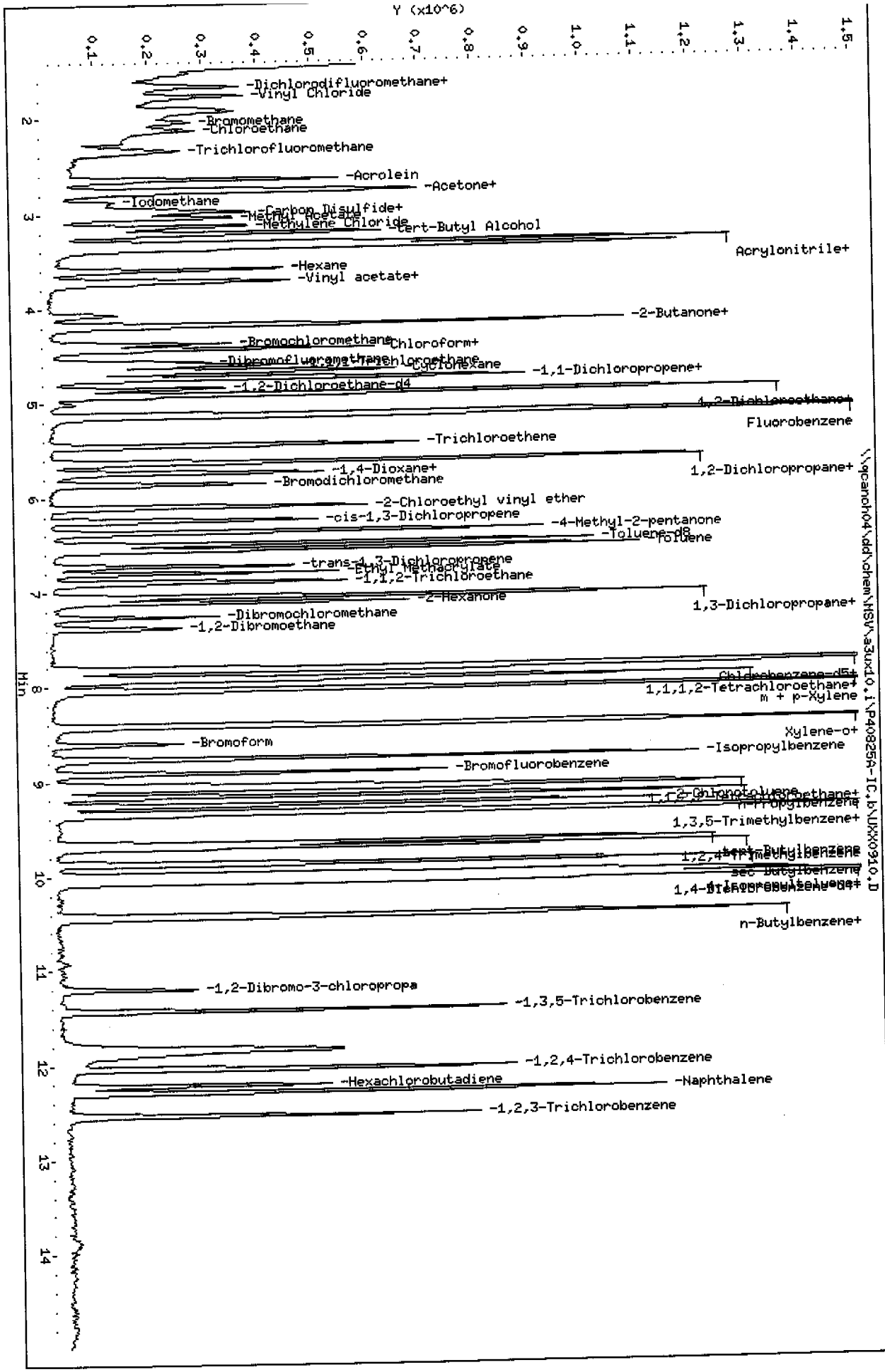
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.898	2.898	(0.564)	501310	50.0000	47.644
20 Carbon Disulfide	76	2.957	2.957	(0.576)	1085192	50.0000	46.737
21 Methylene Chloride	84	3.135	3.135	(0.611)	441305	50.0000	39.635
22 Acetonitrile	41	2.981	2.981	(0.581)	638582	500.000	382.86
23 Acrylonitrile	53	3.312	3.312	(0.645)	2395689	500.000	472.05
24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	1391719	50.0000	49.356
25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	436854	50.0000	48.874
26 Hexane	86	3.596	3.596	(0.700)	83772	50.0000	46.726
27 Vinyl acetate	43	3.726	3.726	(0.726)	1015196	50.0000	47.471
28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	767135	50.0000	49.306
29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	1422753	1000.00	842.67
30 2-Butanone	43	4.176	4.176	(0.813)	774963	100.000	90.701
M 31 1,2-Dichloroethene (total)	96				906537	100.000	97.585
32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	469683	50.0000	48.711
33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	457333	50.0000	47.590
34 Bromochloromethane	128	4.377	4.377	(0.853)	220045	50.0000	48.256
35 Chloroform	83	4.436	4.436	(0.864)	759113	50.0000	47.683
36 Tetrahydrofuran	42	4.425	4.425	(0.862)	214702	50.0000	43.490
37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	584758	50.0000	47.685
38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	546689	50.0000	45.166
39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	465282	50.0000	46.253
40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	642104	50.0000	48.272
41 Benzene	78	4.910	4.910	(0.956)	1766715	50.0000	45.814
42 Trichloroethene	130	5.454	5.454	(1.062)	485936	50.0000	48.100
43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	399913	50.0000	48.969
44 1,4-Dioxane	88	5.738	5.738	(1.118)	215467	2500.00	1640.1(A)
45 Dibromomethane	93	5.738	5.738	(1.118)	265885	50.0000	49.189
46 Bromodichloromethane	83	5.856	5.856	(1.141)	538802	50.0000	48.772
47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	539910	100.000	97.172
48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	637061	50.0000	51.370
49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	1335544	100.000	96.656
50 Toluene	91	6.554	6.554	(0.839)	1757500	50.0000	49.053
51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	567888	50.0000	48.901
52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	587175	50.0000	49.909
53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	363653	50.0000	49.100
54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	662894	50.0000	49.217
55 Tetrachloroethene	164	7.063	7.063	(0.905)	327988	50.0000	47.567
56 2-Hexanone	43	7.111	7.111	(0.911)	972193	100.000	98.577
57 Dibromochloromethane	129	7.264	7.264	(0.930)	373704	50.0000	51.150
58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	389838	50.0000	50.799
59 Chlorobenzene	112	7.832	7.832	(1.003)	1124495	50.0000	48.538
60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	393572	50.0000	49.504
61 Ethylbenzene	106	7.927	7.927	(1.015)	599640	50.0000	48.678
62 m + p-Xylene	106	8.034	8.034	(1.029)	1538108	100.000	97.108
M 63 Xylenes (total)	106				2337334	150.000	147.40
64 Xylene-o	106	8.412	8.412	(1.077)	799226	50.0000	50.288
65 Styrene	104	8.424	8.424	(1.079)	1271405	50.0000	50.160

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0XX0909.D
Report Date: 26-Aug-2004 15:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	275512	50.0000	51.683
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1790435	50.0000	48.218
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	487077	50.0000	48.234
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	167778	50.0000	51.716
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	225226	50.0000	53.234
71 Bromobenzene	156	9.075	9.075	(0.903)	492793	50.0000	50.455
72 n-Propylbenzene	120	9.170	9.170	(0.913)	513531	50.0000	50.097
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	474963	50.0000	49.722
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	1560631	50.0000	49.355
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	480285	50.0000	49.132
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	1325387	50.0000	49.108
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	1659387	50.0000	50.021
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	1779313	50.0000	47.978
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	1511465	50.0000	49.030
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	926397	50.0000	48.698
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	1013512	50.0000	50.075
82 n-Butylbenzene	91	10.412	10.412	(1.037)	1301347	50.0000	48.016
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	901940	50.0000	48.392
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	136830	50.0000	48.757
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	490459	50.0000	44.966
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	162919	50.0000	42.876
87 Naphthalene	128	12.282	12.282	(1.223)	1697064	50.0000	45.308
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	436873	50.0000	42.258
98 Cyclohexane	56	4.661	4.661	(0.908)	639536	50.0000	45.621
143 Methyl Acetate	43	3.040	3.040	(0.592)	968786	100.000	92.052
144 Methylcyclohexane	83	5.632	5.632	(1.097)	597535	50.0000	45.568
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	538924	50.0000	45.512

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 26-AUG-2004 00:55
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
4-Isopropyltoluene+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40825A-IC.b\UXX0910.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0910.D
Lab Smp Id: 25NG-IC
Inj Date : 26-AUG-2004 00:55
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:20 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 05:40 Cal File: UXX0875.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	2021574	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1396972	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.047	(1.000)	810926	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.569	(0.889)	186150	25.0000	26.099
$ 5 1,2-Dichloroethane-d4	65	4.853	4.853	(0.945)	255567	25.0000	27.042
$ 6 Toluene-d8	98	6.497	6.497	(0.832)	721539	25.0000	25.187
$ 7 Bromofluorobenzene	95	8.911	8.911	(1.141)	280944	25.0000	27.148
8 Dichlorodifluoromethane	85	1.528	1.528	(0.297)	114024	25.0000	23.922
9 Chloromethane	50	1.658	1.658	(0.323)	255027	25.0000	21.976
10 Vinyl Chloride	62	1.764	1.764	(0.344)	242184	25.0000	23.449
11 Bromomethane	94	2.036	2.036	(0.397)	101940	25.0000	20.359
12 Chloroethane	64	2.119	2.119	(0.413)	185738	25.0000	23.894
13 Trichlorofluoromethane	101	2.332	2.332	(0.454)	257651	25.0000	24.486
15 Acrolein	56	2.640	2.640	(0.514)	540571	250.000	220.23
16 Acetone	43	2.770	2.770	(0.539)	324385	50.0000	57.562
17 1,1-Dichloroethene	96	2.758	2.758	(0.537)	191283	25.0000	24.877
18 Freon-113	151	2.770	2.770	(0.539)	136990	25.0000	26.724

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-10.D\CAA0510.D
Report Date: 26-Aug-2004 15:20

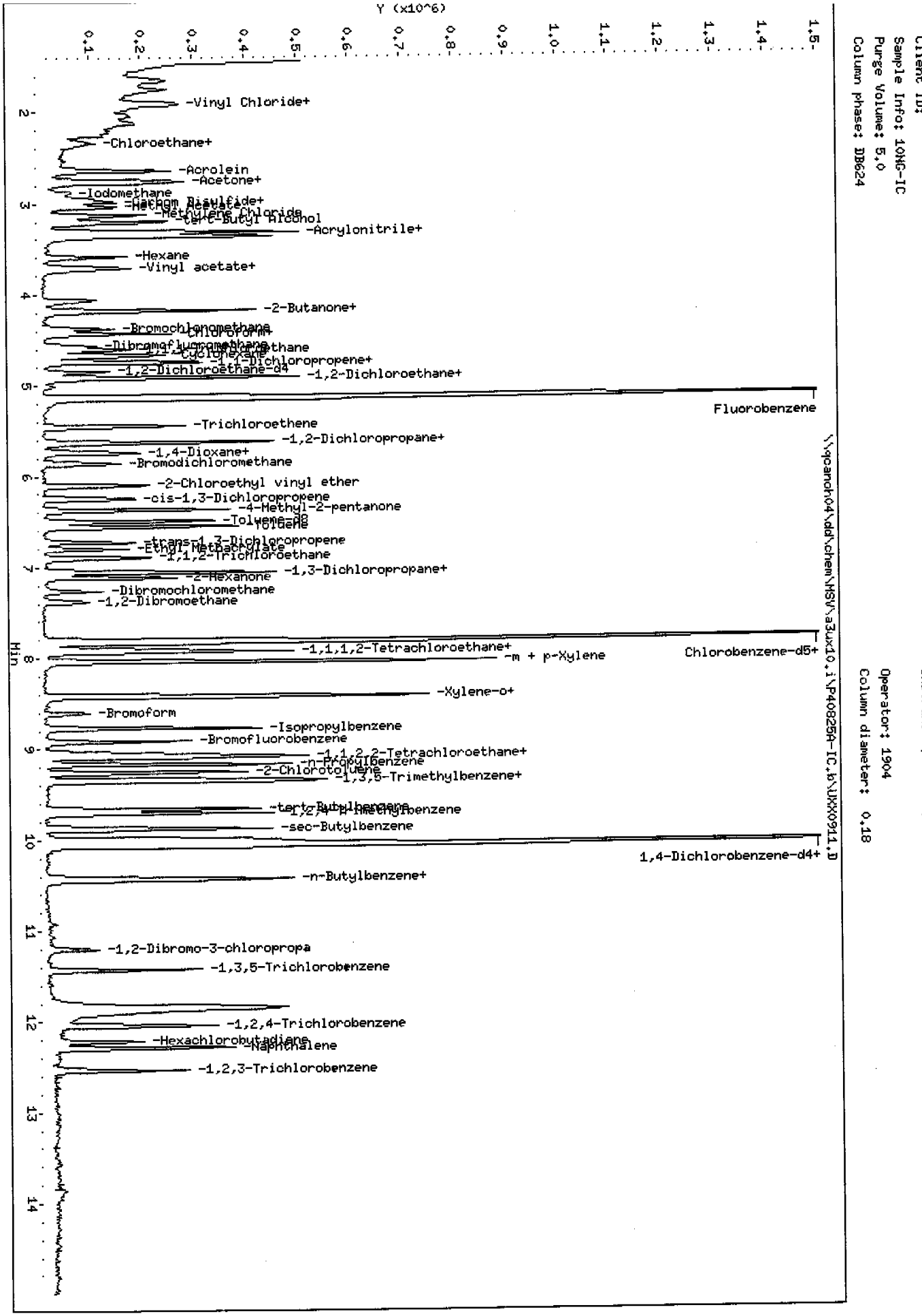
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.877	2.877	(0.560)	260673	25.0000	25.088
20 Carbon Disulfide	76	2.959	2.959	(0.576)	562090	25.0000	24.574
21 Methylene Chloride	84	3.137	3.137	(0.611)	254120	25.0000	25.230
22 Acetonitrile	41	2.995	2.995	(0.583)	422683	250.000	307.44
23 Acrylonitrile	53	3.314	3.314	(0.645)	1211229	250.000	254.28
24 Methyl tert-butyl ether	73	3.362	3.362	(0.654)	694059	25.0000	25.924
25 trans-1,2-Dichloroethene	96	3.362	3.362	(0.654)	209997	25.0000	23.868
26 Hexane	86	3.598	3.598	(0.701)	45247	25.0000	27.155
27 Vinyl acetate	43	3.728	3.728	(0.726)	500868	25.0000	22.856
28 1,1-Dichloroethane	63	3.705	3.705	(0.721)	380143	25.0000	24.963
29 tert-Butyl Alcohol	59	3.208	3.208	(0.625)	851119	500.000	633.71
30 2-Butanone	43	4.178	4.178	(0.813)	392874	50.0000	52.019
M 31 1,2-Dichloroethene (total)	96				434491	50.0000	48.228
32 cis-1,2-dichloroethene	96	4.178	4.178	(0.813)	224494	25.0000	24.360
33 2,2-Dichloropropane	77	4.178	4.178	(0.813)	224099	25.0000	25.274
34 Bromochloromethane	128	4.379	4.379	(0.853)	110943	25.0000	25.558
35 Chloroform	83	4.427	4.427	(0.862)	390077	25.0000	26.181
36 Tetrahydrofuran	42	4.427	4.427	(0.862)	120920	25.0000	25.650
37 1,1,1-Trichloroethane	97	4.604	4.604	(0.896)	306508	25.0000	27.937
38 1,1-Dichloropropene	75	4.734	4.734	(0.922)	280992	25.0000	25.817
39 Carbon Tetrachloride	117	4.746	4.746	(0.924)	248497	25.0000	27.838
40 1,2-Dichloroethane	62	4.912	4.912	(0.956)	316621	25.0000	25.718
41 Benzene	78	4.912	4.912	(0.956)	909164	25.0000	24.067
42 Trichloroethene	130	5.444	5.444	(1.060)	251168	25.0000	25.959
43 1,2-Dichloropropane	63	5.634	5.634	(1.097)	193671	25.0000	23.308
44 1,4-Dioxane	88	5.740	5.740	(1.117)	173670	1250.00	1692.5(A)
45 Dibromomethane	93	5.728	5.728	(1.115)	133411	25.0000	25.307
46 Bromodichloromethane	83	5.858	5.858	(1.141)	260046	25.0000	25.403
47 2-Chloroethyl vinyl ether	63	6.107	6.107	(1.189)	269728	50.0000	47.428
48 cis-1,3-Dichloropropene	75	6.249	6.249	(1.217)	279102	25.0000	22.178
49 4-Methyl-2-pentanone	43	6.367	6.367	(1.240)	659562	50.0000	47.726
50 Toluene	91	6.557	6.557	(0.839)	871203	25.0000	24.700
51 trans-1,3-Dichloropropene	75	6.734	6.734	(0.862)	282417	25.0000	24.980
52 Ethyl Methacrylate	69	6.805	6.805	(0.871)	291229	25.0000	24.622
53 1,1,2-Trichloroethane	97	6.900	6.900	(0.883)	180605	25.0000	24.768
54 1,3-Dichloropropane	76	7.054	7.054	(0.903)	329440	25.0000	24.794
55 Tetrachloroethene	164	7.054	7.054	(0.903)	163688	25.0000	25.111
56 2-Hexanone	43	7.113	7.113	(0.911)	469151	50.0000	48.620
57 Dibromochloromethane	129	7.266	7.266	(0.930)	174890	25.0000	25.413
58 1,2-Dibromoethane	107	7.373	7.373	(0.944)	186179	25.0000	24.843
59 Chlorobenzene	112	7.834	7.834	(1.003)	557383	25.0000	24.827
60 1,1,1,2-Tetrachloroethane	131	7.905	7.905	(1.012)	186911	25.0000	25.471
61 Ethylbenzene	106	7.929	7.929	(1.015)	308129	25.0000	25.024
62 m + p-Xylene	106	8.036	8.036	(1.029)	773985	50.0000	50.334
M 63 Xylenes (total)	106				1159727	75.0000	75.605
64 Xylene-o	106	8.414	8.414	(1.077)	385742	25.0000	25.270
65 Styrene	104	8.426	8.426	(1.079)	615551	25.0000	24.745

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0AA0910.D
Report Date: 26-Aug-2004 15:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.604	8.604	(1.101)	129411	25.0000	26.426
67 Isopropylbenzene	105	8.769	8.769	(1.123)	897839	25.0000	25.972
68 1,1,2,2-Tetrachloroethane	83	9.041	9.041	(0.900)	259738	25.0000	24.575
69 1,4-Dichloro-2-butene	53	9.089	9.089	(0.905)	77213	25.0000	20.892
70 1,2,3-Trichloropropane	110	9.089	9.089	(0.905)	114199	25.0000	25.393
71 Bromobenzene	156	9.065	9.065	(0.902)	250555	25.0000	24.107
72 n-Propylbenzene	120	9.160	9.160	(0.912)	267796	25.0000	24.539
73 2-Chlorotoluene	126	9.254	9.254	(0.921)	252078	25.0000	25.754
74 1,3,5-Trimethylbenzene	105	9.337	9.337	(0.929)	802688	25.0000	25.046
75 4-Chlorotoluene	126	9.361	9.361	(0.932)	246284	25.0000	24.450
76 tert-Butylbenzene	119	9.657	9.657	(0.961)	691505	25.0000	25.333
77 1,2,4-Trimethylbenzene	105	9.704	9.704	(0.966)	841127	25.0000	25.334
78 sec-Butylbenzene	105	9.870	9.870	(0.982)	962621	25.0000	26.186
79 4-Isopropyltoluene	119	10.012	10.012	(0.996)	810910	25.0000	26.224
80 1,3-Dichlorobenzene	146	9.988	9.988	(0.994)	488039	25.0000	25.000
81 1,4-Dichlorobenzene	146	10.071	10.071	(1.002)	505297	25.0000	24.918
82 n-Butylbenzene	91	10.414	10.414	(1.037)	717371	25.0000	26.772
83 1,2-Dichlorobenzene	146	10.438	10.438	(1.039)	504318	25.0000	26.640
84 1,2-Dibromo-3-chloropropane	157	11.207	11.207	(1.115)	75795	25.0000	26.842
85 1,2,4-Trichlorobenzene	180	12.035	12.035	(1.198)	307038	25.0000	28.597
86 Hexachlorobutadiene	225	12.213	12.213	(1.216)	106504	25.0000	29.956
87 Naphthalene	128	12.284	12.284	(1.223)	1035957	25.0000	28.058
88 1,2,3-Trichlorobenzene	180	12.532	12.532	(1.247)	289825	25.0000	29.623
98 Cyclohexane	56	4.663	4.663	(0.908)	355329	25.0000	27.154
143 Methyl Acetate	43	3.042	3.042	(0.592)	498409	50.0000	49.177
144 Methylcyclohexane	83	5.622	5.622	(1.094)	321978	25.0000	26.371
141 1,3,5-Trichlorobenzene	180	11.432	11.432	(1.138)	324429	25.0000	28.261

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UX0911.D
Date : 26-AUG-2004 01:18
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride+
-Chloroethane+
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-1,1-Dichloroethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UX0911.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0911.D
Lab Smp Id: 10NG-IC
Inj Date : 26-AUG-2004 01:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:20 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:03 Cal File: UXX0876.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.138	5.138	(1.000)	1903074	50.0000	
* 2 Chlorobenzene-d5	117	7.812	7.812	(1.000)	1333906	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.049	10.049	(1.000)	747773	50.0000	
$ 4 Dibromofluoromethane	113	4.558	4.558	(0.887)	69850	10.0000	10.160
$ 5 1,2-Dichloroethane-d4	65	4.842	4.842	(0.942)	95235	10.0000	10.357
$ 6 Toluene-d8	98	6.499	6.499	(0.832)	260090	10.0000	9.505
$ 7 Bromofluorobenzene	95	8.913	8.913	(1.141)	103293	10.0000	10.208
8 Dichlorodifluoromethane	85	1.517	1.517	(0.295)	30244	10.0000	6.896
9 Chloromethane	50	1.659	1.659	(0.323)	96921	10.0000	9.210
10 Vinyl Chloride	62	1.754	1.754	(0.341)	75169	10.0000	8.147
11 Bromomethane	94	2.038	2.038	(0.397)	36069	10.0000	7.947
12 Chloroethane	64	2.121	2.121	(0.413)	55624	10.0000	7.870
13 Trichlorofluoromethane	101	2.334	2.334	(0.454)	73339	10.0000	7.311
15 Acrolein	56	2.641	2.641	(0.514)	219421	100.000	96.834
16 Acetone	43	2.760	2.760	(0.537)	137995	20.0000	23.484
17 1,1-Dichloroethene	96	2.736	2.736	(0.533)	71892	10.0000	9.898
18 Freon-113	151	2.772	2.772	(0.539)	49064	10.0000	9.920

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\CAA0511.D
Report Date: 26-Aug-2004 15:21

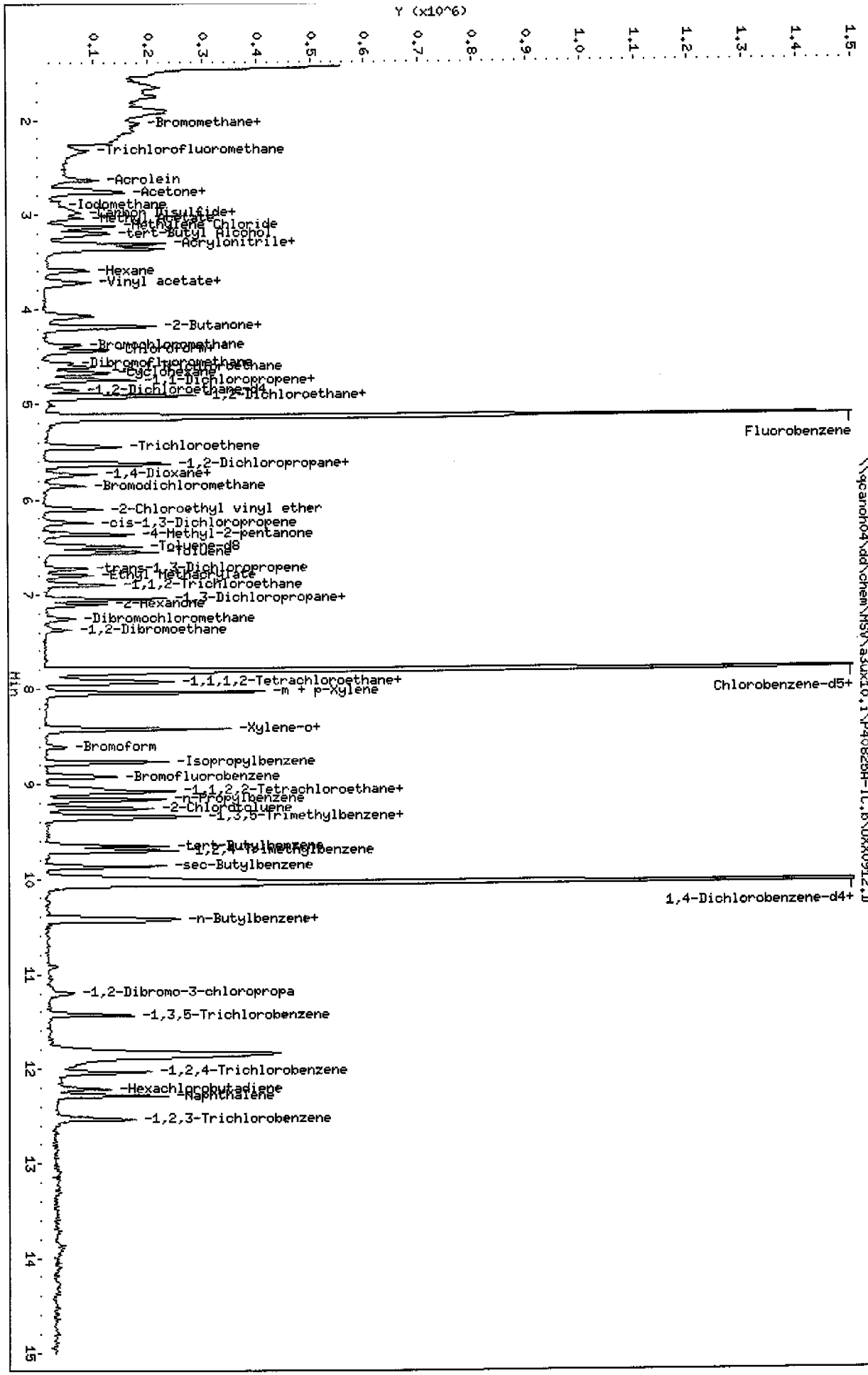
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.878	2.878	(0.560)	108125	10.0000	10.962
	20 Carbon Disulfide	76	2.949	2.949	(0.574)	209486	10.0000	9.725
	21 Methylene Chloride	84	3.126	3.126	(0.609)	123063	10.0000	12.652
	22 Acetonitrile	41	2.984	2.984	(0.581)	166472	100.000	119.35
	23 Acrylonitrile	53	3.316	3.316	(0.645)	468360	100.000	102.27
	24 Methyl tert-butyl ether	73	3.363	3.363	(0.655)	265147	10.0000	10.311
	25 trans-1,2-Dichloroethene	96	3.363	3.363	(0.655)	79563	10.0000	9.607
	26 Hexane	86	3.588	3.588	(0.698)	15010	10.0000	9.370
	27 Vinyl acetate	43	3.730	3.730	(0.726)	185230	10.0000	9.100
	28 1,1-Dichloroethane	63	3.706	3.706	(0.721)	140166	10.0000	9.759
	29 tert-Butyl Alcohol	59	3.209	3.209	(0.625)	337372	200.000	242.60
	30 2-Butanone	43	4.168	4.168	(0.811)	155227	20.0000	20.929
M	31 1,2-Dichloroethene (total)	96				171769	20.0000	20.066
	32 cis-1,2-dichloroethene	96	4.180	4.180	(0.813)	92206	10.0000	10.459
	33 2,2-Dichloropropane	77	4.180	4.180	(0.813)	90982	10.0000	10.551
	34 Bromochloromethane	128	4.369	4.369	(0.850)	42751	10.0000	10.206
	35 Chloroform	83	4.428	4.428	(0.862)	152192	10.0000	10.558
	36 Tetrahydrofuran	42	4.428	4.428	(0.862)	47266	10.0000	10.385
	37 1,1,1-Trichloroethane	97	4.606	4.606	(0.896)	113209	10.0000	10.652
	38 1,1-Dichloropropene	75	4.736	4.736	(0.922)	108519	10.0000	10.310
	39 Carbon Tetrachloride	117	4.748	4.748	(0.924)	86956	10.0000	10.082
	40 1,2-Dichloroethane	62	4.913	4.913	(0.956)	126445	10.0000	10.517
	41 Benzene	78	4.913	4.913	(0.956)	377513	10.0000	10.578
	42 Trichloroethene	130	5.446	5.446	(1.060)	97457	10.0000	10.536
	43 1,2-Dichloropropane	63	5.635	5.635	(1.097)	73514	10.0000	9.499
	44 1,4-Dioxane	88	5.742	5.742	(1.117)	66387	500.000	601.18(A)
	45 Dibromomethane	93	5.730	5.730	(1.115)	47503	10.0000	9.608
	46 Bromodichloromethane	83	5.860	5.860	(1.140)	100188	10.0000	10.130
	47 2-Chloroethyl vinyl ether	63	6.108	6.108	(1.189)	100043	20.0000	18.831
	48 cis-1,3-Dichloropropene	75	6.250	6.250	(1.216)	107618	10.0000	9.226
	49 4-Methyl-2-pentanone	43	6.369	6.369	(1.239)	252749	20.0000	19.646
	50 Toluene	91	6.558	6.558	(0.839)	320356	10.0000	9.477
	51 trans-1,3-Dichloropropene	75	6.724	6.724	(0.861)	105473	10.0000	9.681
	52 Ethyl Methacrylate	69	6.806	6.806	(0.871)	101137	10.0000	8.991
	53 1,1,2-Trichloroethane	97	6.901	6.901	(0.883)	67187	10.0000	9.614
	54 1,3-Dichloropropane	76	7.055	7.055	(0.903)	123017	10.0000	9.706
	55 Tetrachloroethene	164	7.055	7.055	(0.903)	61286	10.0000	9.866
	56 2-Hexanone	43	7.114	7.114	(0.911)	186947	20.0000	20.245
	57 Dibromochloromethane	129	7.268	7.268	(0.930)	66788	10.0000	9.901
	58 1,2-Dibromoethane	107	7.374	7.374	(0.944)	67278	10.0000	9.420
	59 Chlorobenzene	112	7.836	7.836	(1.003)	213024	10.0000	9.947
	60 1,1,1,2-Tetrachloroethane	131	7.907	7.907	(1.012)	71349	10.0000	9.958
	61 Ethylbenzene	106	7.931	7.931	(1.015)	112736	10.0000	9.605
	62 m + p-Xylene	106	8.037	8.037	(1.029)	282087	20.0000	19.141
M	63 Xylenes (total)	106				425329	30.0000	28.843
	64 Xylene-o	106	8.416	8.416	(1.077)	143242	10.0000	9.702
	65 Styrene	104	8.428	8.428	(1.079)	219577	10.0000	9.228

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0AA0911.D
Report Date: 26-Aug-2004 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.605	8.605	(1.101)	45168	10.0000	9.433
67 Isopropylbenzene	105	8.771	8.771	(1.123)	325618	10.0000	9.676
68 1,1,2,2-Tetrachloroethane	83	9.031	9.031	(0.899)	90170	10.0000	9.298
69 1,4-Dichloro-2-butene	53	9.090	9.090	(0.905)	29994	10.0000	8.994
70 1,2,3-Trichloropropane	110	9.090	9.090	(0.905)	39040	10.0000	9.424
71 Bromobenzene	156	9.067	9.067	(0.902)	93154	10.0000	9.777
72 n-Propylbenzene	120	9.161	9.161	(0.912)	98092	10.0000	9.760
73 2-Chlorotoluene	126	9.256	9.256	(0.921)	89071	10.0000	9.825
74 1,3,5-Trimethylbenzene	105	9.327	9.327	(0.928)	287683	10.0000	9.595
75 4-Chlorotoluene	126	9.362	9.362	(0.932)	95728	10.0000	10.190
76 tert-Butylbenzene	119	9.658	9.658	(0.961)	229250	10.0000	9.086
77 1,2,4-Trimethylbenzene	105	9.706	9.706	(0.966)	305046	10.0000	9.804
78 sec-Butylbenzene	105	9.871	9.871	(0.982)	340063	10.0000	9.829
79 4-Isopropyltoluene	119	10.013	10.013	(0.996)	272214	10.0000	9.416
80 1,3-Dichlorobenzene	146	9.990	9.990	(0.994)	180208	10.0000	9.936
81 1,4-Dichlorobenzene	146	10.072	10.072	(1.002)	199044	10.0000	10.487
82 n-Butylbenzene	91	10.415	10.415	(1.037)	241090	10.0000	9.579
83 1,2-Dichlorobenzene	146	10.439	10.439	(1.039)	172723	10.0000	9.870
84 1,2-Dibromo-3-chloropropane	157	11.208	11.208	(1.115)	24513	10.0000	9.313
85 1,2,4-Trichlorobenzene	180	12.037	12.037	(1.198)	105738	10.0000	10.522
86 Hexachlorobutadiene	225	12.214	12.214	(1.215)	36126	10.0000	10.669
87 Naphthalene	128	12.285	12.285	(1.223)	352010	10.0000	10.198
88 1,2,3-Trichlorobenzene	180	12.534	12.534	(1.247)	97714	10.0000	10.583
98 Cyclohexane	56	4.665	4.665	(0.908)	125390	10.0000	10.020
143 Methyl Acetate	43	3.032	3.032	(0.590)	199250	20.0000	20.778
144 Methylcyclohexane	83	5.623	5.623	(1.094)	110784	10.0000	9.575
141 1,3,5-Trichlorobenzene	180	11.421	11.421	(1.137)	110281	10.0000	10.259

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 26-AUG-2004 01:41
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0912.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0912.D
Lab Smp Id: 5NG-IC
Inj Date : 26-AUG-2004 01:41
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:21 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1900160	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	1339472	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	764221	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	33154	5.00000	4.752
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	49656	5.00000	5.217
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	130394	5.00000	4.748
$ 7 Bromofluorobenzene	95	8.921	8.921	(1.142)	52837	5.00000	5.026
8 Dichlorodifluoromethane	85	1.525	1.525	(0.297)	19422	5.00000	4.467
9 Chloromethane	50	1.655	1.655	(0.322)	52069	5.00000	5.093
10 Vinyl Chloride	62	1.750	1.750	(0.341)	46029	5.00000	5.121
11 Bromomethane	94	2.034	2.034	(0.396)	22005	5.00000	5.012
12 Chloroethane	64	2.129	2.129	(0.415)	36660	5.00000	5.154
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	47440	5.00000	4.607
15 Acrolein	56	2.638	2.638	(0.514)	93610	50.0000	43.117
16 Acetone	43	2.768	2.768	(0.539)	75717	10.0000	11.898
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	36191	5.00000	4.810
18 Freon-113	151	2.768	2.768	(0.539)	27090	5.00000	4.942

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-1C.D\UXX0912.D
Report Date: 26-Aug-2004 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.874	2.874	(0.560)	49661	5.00000	5.001
20 Carbon Disulfide	76	2.957	2.957	(0.576)	108208	5.00000	4.921
21 Methylene Chloride	84	3.135	3.135	(0.611)	79412	5.00000	7.703
22 Acetonitrile	41	2.993	2.993	(0.583)	92238	50.0000	61.315
23 Acrylonitrile	53	3.312	3.312	(0.645)	219967	50.0000	46.993
24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	120275	5.00000	4.609
25 trans-1,2-Dichloroethene	96	3.359	3.359	(0.654)	41231	5.00000	4.930
26 Hexane	86	3.596	3.596	(0.700)	7889	5.00000	4.613
27 Vinyl acetate	43	3.726	3.726	(0.726)	93716	5.00000	4.697
28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	69557	5.00000	4.817
29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	166436	100.000	110.28
30 2-Butanone	43	4.176	4.176	(0.813)	80719	10.0000	10.447
M 31 1,2-Dichloroethene (total)	96				85918	10.0000	9.922
32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	44687	5.00000	4.993
33 2,2-Dichloropropane	77	4.176	4.176	(0.813)	43792	5.00000	4.886
34 Bromochloromethane	128	4.377	4.377	(0.853)	20587	5.00000	4.872
35 Chloroform	83	4.436	4.436	(0.864)	72787	5.00000	4.978
36 Tetrahydrofuran	42	4.424	4.424	(0.862)	26611	5.00000	5.750
37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	59099	5.00000	5.235
38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	63918	5.00000	5.659
39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	47092	5.00000	5.062
40 1,2-Dichloroethane	62	4.909	4.909	(0.956)	60810	5.00000	4.986
41 Benzene	78	4.909	4.909	(0.956)	205194	5.00000	5.700
42 Trichloroethene	130	5.442	5.442	(1.060)	46699	5.00000	4.983
43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	36859	5.00000	4.786
44 1,4-Dioxane	88	5.750	5.750	(1.120)	33891	250.000	276.04(A)
45 Dibromomethane	93	5.726	5.726	(1.115)	23620	5.00000	4.748
46 Bromodichloromethane	83	5.856	5.856	(1.141)	50731	5.00000	5.000
47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	47563	10.0000	9.066
48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	53460	5.00000	4.627
49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	123767	10.0000	9.566
50 Toluene	91	6.554	6.554	(0.839)	163326	5.00000	4.801
51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	49368	5.00000	4.495
52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	49565	5.00000	4.433
53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	34251	5.00000	4.900
54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	56482	5.00000	4.461
55 Tetrachloroethene	164	7.063	7.063	(0.905)	34885	5.00000	5.329
56 2-Hexanone	43	7.110	7.110	(0.911)	81214	10.0000	8.777
57 Dibromochloromethane	129	7.264	7.264	(0.930)	27212	5.00000	4.031
58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	33676	5.00000	4.674
59 Chlorobenzene	112	7.832	7.832	(1.003)	112564	5.00000	5.154
60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	34600	5.00000	4.664
61 Ethylbenzene	106	7.927	7.927	(1.015)	51976	5.00000	4.444
62 m + p-Xylene	106	8.033	8.033	(1.029)	141945	10.0000	9.468
M 63 Xylenes (total)	106				212191	15.0000	14.171
64 Xylene-o	106	8.412	8.412	(1.077)	70246	5.00000	4.702
65 Styrene	104	8.424	8.424	(1.079)	102372	5.00000	4.277

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0XX0912.D
Report Date: 26-Aug-2004 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	18879	5.00000	3.808
67 Isopropylbenzene	105	8.767	8.767	(1.123)	166397	5.00000	4.768
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	46786	5.00000	4.693
69 1,4-Dichloro-2-butene	53	9.086	9.086	(0.905)	12598	5.00000	3.840
70 1,2,3-Trichloropropane	110	9.086	9.086	(0.905)	16796	5.00000	4.086
71 Bromobenzene	156	9.075	9.075	(0.903)	44093	5.00000	4.577
72 n-Propylbenzene	120	9.169	9.169	(0.913)	44957	5.00000	4.418
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	46718	5.00000	4.991
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	144118	5.00000	4.636
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	46482	5.00000	4.819
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	129550	5.00000	4.867
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	154335	5.00000	4.743
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	164506	5.00000	4.497
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	136076	5.00000	4.479
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	93563	5.00000	5.011
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	104172	5.00000	5.273
82 n-Butylbenzene	91	10.412	10.412	(1.037)	120320	5.00000	4.526
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	91538	5.00000	5.016
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	11421	5.00000	4.204
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	53740	5.00000	5.076
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	20214	5.00000	5.455
87 Naphthalene	128	12.281	12.281	(1.223)	187784	5.00000	5.168
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	59303	5.00000	5.898
98 Cyclohexane	56	4.661	4.661	(0.908)	61096	5.00000	4.559
143 Methyl Acetate	43	3.040	3.040	(0.592)	103900	10.0000	10.663
144 Methylcyclohexane	83	5.631	5.631	(1.097)	57754	5.00000	4.637
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	61203	5.00000	5.328

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\0AA0915.D
Report Date: 26-Aug-2004 15:30

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk

Client SDG: SDGa00733
Fraction: VOA

Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

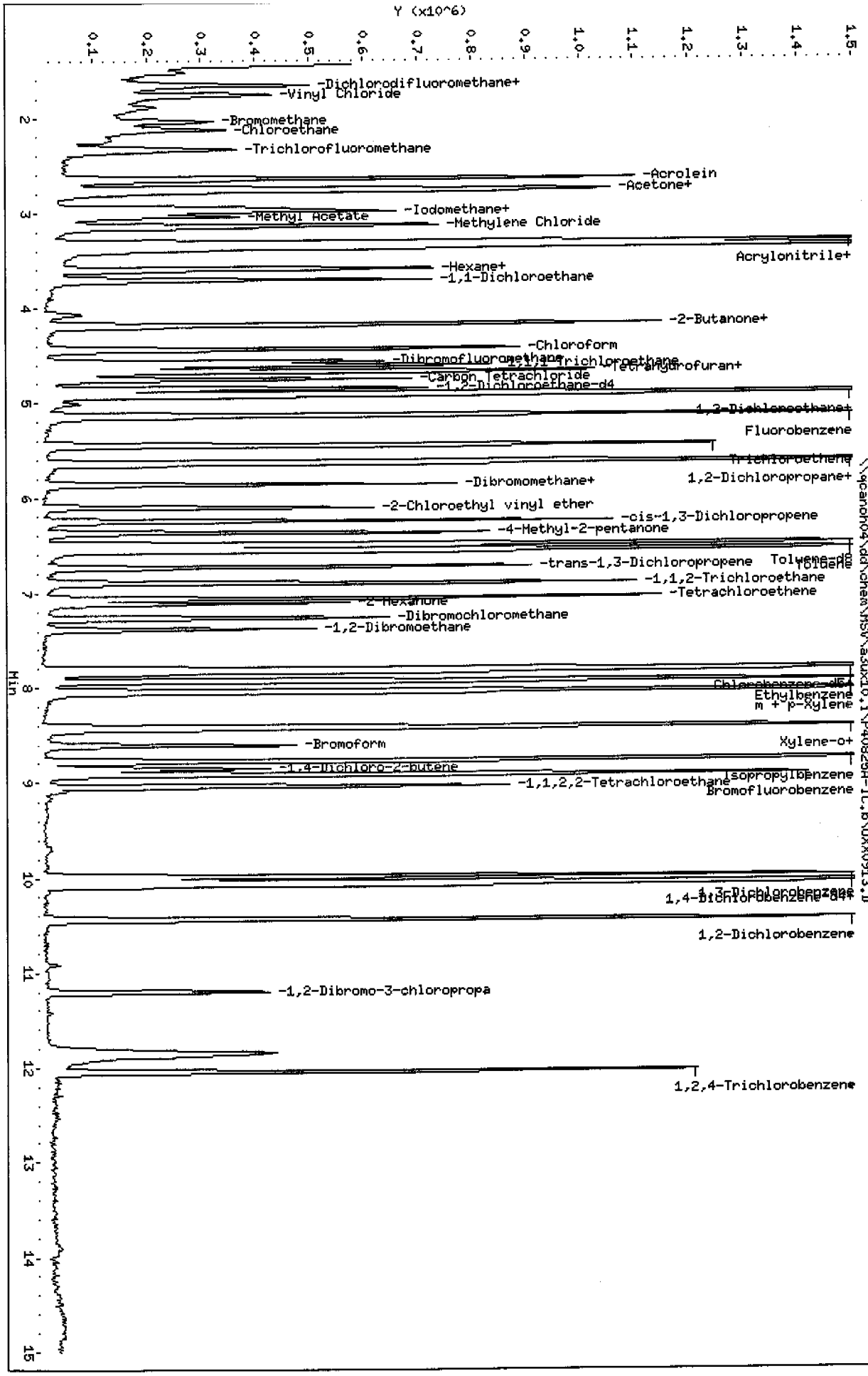
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Misc Info: P40825A-IC,8260LLUX10,2-8260.SUB,1904,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.212	92.12	45-155
	42 Trichloroethene	10.000	9.453	94.53	45-155
	59 Chlorobenzene	10.000	9.550	95.50	45-155
	50 Toluene	10.000	9.789	97.89	45-155
	41 Benzene	10.000	9.222	92.22	45-155
	16 Acetone	10.000	6.168	61.68	45-155
	20 Carbon Disulfide	10.000	9.742	97.42	45-155
	9 Chloromethane	10.000	9.440	94.40	45-155
	11 Bromomethane	10.000	8.739	87.39	45-155
	10 Vinyl Chloride	10.000	9.264	92.64	45-155
	12 Chloroethane	10.000	8.833	88.33	45-155
	21 Methylene Chloride	10.000	10.156	101.56	45-155
	28 1,1-Dichloroethane	10.000	9.983	99.83	45-155
M	31 1,2-Dichloroethene	20.000	19.569	97.84	45-155
	35 Chloroform	10.000	9.620	96.20	45-155
	40 1,2-Dichloroethane	10.000	9.917	99.17	45-155
	30 2-Butanone	10.000	7.314	73.14	45-155
	37 1,1,1-Trichloroeth	10.000	9.329	93.29	45-155
	39 Carbon Tetrachlori	10.000	8.976	89.76	45-155
	46 Bromodichlorometha	10.000	9.889	98.89	45-155
	43 1,2-Dichloropropan	10.000	9.897	98.97	45-155
	48 cis-1,3-Dichloropr	10.000	10.176	101.76	45-155
	57 Dibromochlorometha	10.000	9.915	99.15	45-155
	53 1,1,2-Trichloroeth	10.000	9.629	96.29	45-155
	51 trans-1,3-Dichloro	10.000	9.508	95.08	45-155
	66 Bromoform	10.000	9.608	96.08	45-155
	49 4-Methyl-2-pentano	10.000	9.101	91.01	45-155
	56 2-Hexanone	10.000	8.607	86.07	45-155
	55 Tetrachloroethene	10.000	9.013	90.13	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.384	93.84	45-155
	61 Ethylbenzene	10.000	9.733	97.33	45-155
	65 Styrene	10.000	9.889	98.89	45-155
	62 m + p-Xylene	20.000	19.376	96.88	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0XX0913.D
Report Date: 26-Aug-2004 15:30

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	29.087	96.96	45-155
64 Xylene-o	10.000	9.712	97.12	45-155
32 cis-1,2-dichloroet	10.000	9.610	96.10	45-155
25 trans-1,2-Dichloro	10.000	9.959	99.59	45-155
8 Dichlorodifluorome	10.000	7.134	71.34	45-155
13 Trichlorofluoromet	10.000	8.151	81.51	45-155
18 Freon-113	10.000	9.223	92.23	45-155
24 Methyl tert-butyl	10.000	10.080	100.80	45-155
58 1,2-Dibromoethane	10.000	10.446	104.46	45-155
67 Isopropylbenzene	10.000	9.915	99.15	45-155
80 1,3-Dichlorobenzen	10.000	9.877	98.77	45-155
81 1,4-Dichlorobenzen	10.000	9.696	96.96	45-155
83 1,2-Dichlorobenzen	10.000	9.488	94.88	45-155
84 1,2-Dibromo-3-chlo	10.000	9.758	97.58	45-155
85 1,2,4-Trichloroben	10.000	8.682	86.82	45-155
98 Cyclohexane	10.000	8.318	83.18	45-155
143 Methyl Acetate	10.000	9.463	94.63	45-155
144 Methylcyclohexane	10.000	8.185	81.85	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.392	103.92	73-122
$ 5 1,2-Dichloroethane	10.000	10.558	105.58	61-128
$ 6 Toluene-d8	10.000	10.298	102.98	76-110
$ 7 Bromofluorobenzene	10.000	10.371	103.71	74-116


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Date : 26-AUG-2004 02:05
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
1,1,1-Trichloroethane
Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
-Dibromomethane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Report Date: 26-Aug-2004 15:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Lab Smp Id: ICV
Inj Date : 26-AUG-2004 02:05
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:27 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1961138	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1387677	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	749787	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	382225	51.9629	10.392
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	535368	52.7885	10.558
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1472255	51.4877	10.298
$ 7 Bromofluorobenzene	95	8.921	8.910	(1.142)	576043	51.8555	10.371
8 Dichlorodifluoromethane	85	1.525	1.526	(0.297)	164554	35.6693	7.134
9 Chloromethane	50	1.655	1.656	(0.322)	476134	47.2021	9.440
10 Vinyl Chloride	62	1.762	1.762	(0.343)	408720	46.3215	9.264
11 Bromomethane	94	2.034	2.035	(0.396)	174289	43.6966	8.739
12 Chloroethane	64	2.129	2.118	(0.415)	315102	44.1666	8.833
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	474284	40.7545	8.151
15 Acrolein	56	2.638	2.638	(0.514)	1164693	544.438	108.89
16 Acetone	43	2.768	2.768	(0.539)	216001	30.8426	6.168
17 1,1-Dichloroethene	96	2.744	2.756	(0.534)	354339	46.0591	9.212
18 Freon-113	151	2.768	2.768	(0.539)	256665	46.1137	9.223

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0AA0915.D
Report Date: 26-Aug-2004 15:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.910	2.898	(0.567)	20049	1.98504	0.3970
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	1085705	48.7126	9.742
	21 Methylene Chloride	84	3.135	3.135	(0.611)	448010	50.7826	10.156
	22 Acetonitrile	41	2.981	2.981	(0.581)	646604	501.170	100.23
	23 Acrylonitrile	53	3.312	3.312	(0.645)	2347624	481.899	96.380
	24 Methyl tert-butyl ether	73	3.359	3.360	(0.654)	1364235	50.4024	10.080
	25 trans-1,2-Dichloroethene	96	3.359	3.360	(0.654)	427253	49.7964	9.959
	26 Hexane	86	3.596	3.596	(0.700)	78721	45.7424	9.148
	27 Vinyl acetate	43	3.596	3.726	(0.700)	266544	12.9844	2.597
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	745490	49.9164	9.983
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.176	(0.813)	299917	36.5684	7.314
M	31 1,2-Dichloroethene (total)	96				871978	97.8459	19.569
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	444725	48.0495	9.610
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.436	4.436	(0.864)	735063	48.1006	9.620
	36 Tetrahydrofuran	42	4.661	4.425	(0.908)	145924	30.7932	6.159
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	549055	46.6439	9.329
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.744	4.756	(0.924)	433379	44.8808	8.976
	40 1,2-Dichloroethane	62	4.909	4.910	(0.956)	633134	49.5860	9.917
	41 Benzene	78	4.909	4.910	(0.956)	1706756	46.1081	9.222
	42 Trichloroethene	130	5.454	5.454	(1.062)	458358	47.2651	9.453
	43 1,2-Dichloropropane	63	5.631	5.632	(1.097)	387917	49.4844	9.897
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.856	5.738	(1.141)	17159	3.30703	0.6614
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	524316	49.4432	9.889
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	262880	49.2891	9.858
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	605691	50.8805	10.176
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	603529	45.5033	9.101
	50 Toluene	91	6.554	6.554	(0.839)	1711119	48.9457	9.789
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	538684	47.5387	9.508
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.897	6.898	(0.883)	347923	48.1441	9.629
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.051	7.063	(0.903)	303190	45.0639	9.013
	56 2-Hexanone	43	7.110	7.111	(0.911)	414149	43.0371	8.607
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	353418	49.5757	9.915
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	391092	52.2287	10.446
	59 Chlorobenzene	112	7.832	7.832	(1.003)	1079440	47.7509	9.550
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.927	7.927	(1.015)	584924	48.6633	9.733
	62 m + p-Xylene	106	8.033	8.034	(1.029)	1497250	96.8784	19.376
M	63 Xylenes (total)	106				2250278	145.437	29.087
	64 Xylene-o	106	8.412	8.412	(1.077)	753028	48.5588	9.712
	65 Styrene	104	8.424	8.424	(1.079)	1222875	49.4449	9.889

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40825A-1C.D\0XA0519.D
Report Date: 26-Aug-2004 15:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.601	8.602	(1.102)	261639	48.0390	9.608
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1796139	49.5733	9.915
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	456394	46.9207	9.384
69 1,4-Dichloro-2-butene	53	8.862	9.087	(0.882)	9102	2.91267	0.5825
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	904935	49.3858	9.877
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	945209	48.4825	9.696
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.435	10.436	(1.039)	851662	47.4387	9.488
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	131887	48.7897	9.758
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	456065	43.4082	8.682
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.661	4.661	(0.908)	559663	41.5911	8.318
143 Methyl Acetate	43	3.040	3.040	(0.592)	478005	47.3165	9.463
144 Methylcyclohexane	83	5.631	5.632	(1.097)	515142	40.9253	8.185
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
24-AUG-2004 06:27	dimethox	UXX0877.D
12-AUG-2004 08:27	7-IX+	UXX0527.D
26-AUG-2004 01:41	2-8260	UXX0912.D
Cal Level: 2 , Cal Amount: 10.000		
24-AUG-2004 06:03	dimethox	UXX0876.D
12-AUG-2004 08:04	7-IX+	UXX0526.D
26-AUG-2004 01:18	2-8260	UXX0911.D
Cal Level: 3 , Cal Amount: 25.000		
24-AUG-2004 05:40	dimethox	UXX0875.D
12-AUG-2004 07:41	7-IX+	UXX0525.D
26-AUG-2004 00:55	2-8260	UXX0910.D
Cal Level: 4 , Cal Amount: 50.000		
24-AUG-2004 05:17	dimethox	UXX0874.D
12-AUG-2004 07:18	7-IX+	UXX0524.D
26-AUG-2004 00:32	2-8260	UXX0909.D
Cal Level: 5 , Cal Amount: 100.00		
24-AUG-2004 04:54	dimethox	UXX0873.D
12-AUG-2004 06:56	7-IX+	UXX0523.D
26-AUG-2004 00:09	2-8260	UXX0908.D
Cal Level: 6 , Cal Amount: 200.00		
24-AUG-2004 04:31	dimethox	UXX0872.D
12-AUG-2004 06:33	7-IX+	UXX0522.D
25-AUG-2004 23:46	2-8260	UXX0907.D

Continuing Calibration

02-SEP-2004 18:06	7-IX+	UXX1172.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\[illegible]
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1171.D
Analysis Type: WATER

Injection Date: 02-SEP-2004 17:42
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	47.0622	5.9	50.0
0 Bromodichloromethane	50.0000	46.9820	6.0	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	59.5750	19.2	50.0
0 Bromoform	50.0000	44.3002	11.4	50.0
0 Styrene	50.0000	48.8551	2.3	50.0
0 Xylene-o	50.0000	44.9426	10.1	50.0
0 Xylenes (total)	150.0000	140.1543	6.6	50.0
0 2-Hexanone	100.0000	103.3358	3.3	50.0
0 Chloromethane	50.0000	38.4035	23.2	50.0
0 Vinyl Chloride	50.0000	43.4661	13.1	20.0
0 Bromomethane	50.0000	55.9259	11.9	50.0
0 Chloroethane	50.0000	45.8510	8.3	50.0
0 1,1-Dichloroethane	50.0000	46.0950	7.8	50.0
0 Tetrachloroethene	50.0000	43.9039	12.2	50.0
0 Acetone	100.0000	69.1558	30.8	50.0
0 1,1-Dichloroethene	50.0000	41.9203	16.2	20.0
0 m + p-Xylene	100.0000	95.2117	4.8	50.0
0 Ethylbenzene	50.0000	48.1890	3.6	20.0
0 Carbon Disulfide	50.0000	38.2505	23.5	50.0
0 Methylene Chloride	50.0000	41.8454	16.3	50.0
0 1,2-Dichloropropane	50.0000	49.1442	1.7	20.0
0 1,1,2-Trichloroethane	50.0000	51.6368	3.3	50.0
0 Dibromochloromethane	50.0000	49.5500	0.9	50.0
0 trans-1,2-Dichloroethene	50.0000	46.5789	6.8	50.0
0 trans-1,3-Dichloropropene	50.0000	47.6541	4.7	50.0
0 cis-1,3-Dichloropropene	50.0000	48.3434	3.3	50.0
0 Chloroform	50.0000	45.2565	9.5	20.0
0 Toluene	50.0000	50.6971	1.4	20.0
0 2-Butanone	100.0000	83.7004	16.3	50.0
0 1,2-Dichloroethene (total)	100.0000	91.2048	8.8	50.0
0 cis-1,2-dichloroethene	50.0000	44.6259	10.7	50.0
0 4-Methyl-2-pentanone	100.0000	103.4228	3.4	50.0
0 1,2-Dichloroethane	50.0000	47.2654	5.5	50.0
0 Trichloroethene	50.0000	41.0326	17.9	50.0
0 1,1,1-Trichloroethane	50.0000	42.4362	15.1	50.0
0 Carbon Tetrachloride	50.0000	40.0257	19.9	50.0
0 Benzene	50.0000	44.3059	11.4	50.0
38 Dichlorodifluoromethane	50.0000	36.1162	27.8	50.0
39 Trichlorofluoromethane	50.0000	34.7649	30.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.D/UXX1171.D
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1171.D
Analysis Type: WATER

Injection Date: 02-SEP-2004 17:42
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
40 Acrolein	500.0000	205.6231	58.9	50.0	<-
41 Acrylonitrile	500.0000	516.6138	3.3	50.0	
42 Vinyl acetate	50.0000	49.4059	1.2	50.0	
43 2-Chloroethyl vinyl ether	100.0000	114.4820	14.5	50.0	
47 Freon-113	50.0000	35.2279	29.5	50.0	
48 1,3-Dichlorobenzene	50.0000	47.0841	5.8	50.0	
49 1,4-Dichlorobenzene	50.0000	46.1427	7.7	50.0	
50 1,2-Dichlorobenzene	50.0000	45.2358	9.5	50.0	
51 Acetonitrile	500.0000	520.6958	4.1	50.0	
52 Iodomethane	50.0000	40.5656	18.9	50.0	
59 1,4-Dioxane	2500.0000	2444.6970	2.2	50.0	
60 Dibromomethane	50.0000	49.7749	0.5	50.0	
62 Ethyl Methacrylate	50.0000	53.1720	6.3	50.0	
63 1,2-Dibromoethane	50.0000	51.1441	2.3	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	46.3878	7.2	50.0	
65 1,2,3-Trichloropropane	50.0000	53.1706	6.3	50.0	
66 1,4-Dichloro-2-butene	50.0000	37.3026	25.4	50.0	
69 1,2-Dibromo-3-chloropropane	50.0000	46.9223	6.2	50.0	
82 Methyl tert-butyl ether	50.0000	46.4123	7.2	50.0	
84 Tetrahydrofuran	50.0000	44.0191	12.0	50.0	
98 2,2-Dichloropropane	50.0000	41.3147	17.4	50.0	
99 1,1-Dichloropropene	50.0000	41.7701	16.5	50.0	
100 1,3-Dichloropropane	50.0000	52.5280	5.1	50.0	
102 Bromobenzene	50.0000	50.5202	1.0	50.0	
103 2-Chlorotoluene	50.0000	49.2276	1.5	50.0	
104 n-Propylbenzene	50.0000	49.3765	1.2	50.0	
105 4-Chlorotoluene	50.0000	48.3027	3.4	50.0	
106 1,3,5-Trimethylbenzene	50.0000	49.3236	1.4	50.0	
107 tert-Butylbenzene	50.0000	46.7847	6.4	50.0	
108 1,2,4-Trimethylbenzene	50.0000	48.2868	3.4	50.0	
109 sec-Butylbenzene	50.0000	45.9371	8.1	50.0	
110 4-Isopropyltoluene	50.0000	45.9755	8.0	50.0	
111 n-Butylbenzene	50.0000	42.4290	15.1	50.0	
112 1,2,4-Trichlorobenzene	50.0000	38.2731	23.5	50.0	
113 Naphthalene	50.0000	39.4677	21.1	50.0	
114 Hexachlorobutadiene	50.0000	34.6828	30.6	50.0	
115 1,2,3-Trichlorobenzene	50.0000	35.8032	28.4	50.0	
124 tert-Butyl Alcohol	1000.0000	824.1945	17.6	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.D/UXX1171.D
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1171.D
Analysis Type: WATER

Injection Date: 02-SEP-2004 17:42
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
125 Hexane	50.0000	39.8352	20.3	20.0	<-
127 Cyclohexane	50.0000	36.3378	27.3	50.0	
128 Isopropylbenzene	50.0000	43.5732	12.9	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
133 Bromochloromethane	50.0000	45.2223	9.6	50.0	
141 1,3,5-Trichlorobenzene	50.0000	39.1333	21.7	50.0	
143 Methyl Acetate	100.0000	93.0968	6.9	50.0	
144 Methylcyclohexane	50.0000	36.7429	26.5	50.0	
22 Toluene-d8	50.0000	54.0683	8.1	50.0	
32 Bromofluorobenzene	50.0000	50.6974	1.4	50.0	
47 1,2-Dichloroethane-d4	50.0000	50.3543	0.7	50.0	
131 Dibromofluoromethane	50.0000	51.5845	3.2	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1171.D
Report Date: 03-Sep-2004 16:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 02-SEP-2004 17:42
Lab File ID: UXX1171.D Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:41 01:41
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.18754	0.19348	0.010	3.2	50.0	
$	5 1,2-Dichloroethane-d4	0.25857	0.26040	0.010	0.7	50.0	
$	6 Toluene-d8	1.03029	1.11413	0.010	8.1	50.0	
$	7 Bromofluorobenzene	0.40026	0.40584	0.010	1.4	50.0	
	8 Dichlorodifluoromethane	50.00000	36.11623	0.010	27.8	50.0	
	9 Chloromethane	0.25718	0.19753	0.100	-23.2	50.0	
	10 Vinyl Chloride	0.22496	0.19556	0.010	-13.1	20.0	
	11 Bromomethane	50.00000	55.92588	0.010	-11.9	50.0	
	12 Chloroethane	0.18189	0.16680	0.010	-8.3	50.0	
	13 Trichlorofluoromethane	50.00000	34.76485	0.010	30.5	50.0	
	15 Acrolein	0.05454	0.02243	0.010	-58.9	50.0	<-
	16 Acetone	0.17855	0.12348	0.010	-30.8	50.0	
	17 1,1-Dichloroethene	0.19614	0.16444	0.010	-16.2	20.0	
	18 Freon-113	0.14191	0.09998	0.010	-29.5	50.0	
	19 Iodomethane	0.25751	0.20892	0.010	-18.9	50.0	
	20 Carbon Disulfide	0.56824	0.43471	0.010	-23.5	50.0	
	21 Methylene Chloride	50.00000	41.84535	0.010	16.3	50.0	
	22 Acetonitrile	500	521	0.010	-4.1	50.0	
	23 Acrylonitrile	0.12420	0.12833	0.010	3.3	50.0	
	24 Methyl tert-butyl ether	0.69008	0.64057	0.010	-7.2	50.0	
	25 trans-1,2-Dichloroethene	0.21875	0.20378	0.010	-6.8	50.0	
	26 Hexane	0.04388	0.03496	0.010	-20.3	20.0	<-
	27 Vinyl acetate	0.52337	0.51715	0.010	-1.2	50.0	
	28 1,1-Dichloroethane	0.38077	0.35103	0.100	-7.8	50.0	
	29 tert-Butyl Alcohol	0.04132	0.03406	0.010	-17.6	50.0	
	30 2-Butanone	0.20910	0.17502	0.010	-16.3	50.0	
M	31 1,2-Dichloroethene (total)	0.22736	0.20720	0.010	-8.9	50.0	
	32 cis-1,2-dichloroethene	0.23597	0.21061	0.010	-10.7	50.0	
	33 2,2-Dichloropropane	0.23518	0.19433	0.010	-17.4	50.0	
	34 Bromochloromethane	0.11160	0.10093	0.010	-9.6	50.0	
	35 Chloroform	0.38962	0.35265	0.010	-9.5	20.0	
	36 Tetrahydrofuran	0.12082	0.10637	0.010	-12.0	50.0	
	37 1,1,1-Trichloroethane	0.30011	0.25471	0.010	-15.1	50.0	
	38 1,1-Dichloropropene	0.29622	0.24747	0.010	-16.5	50.0	
	39 Carbon Tetrachloride	0.24619	0.19708	0.010	-19.9	50.0	
	40 1,2-Dichloroethane	0.32554	0.30773	0.010	-5.5	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1171.D
Report Date: 03-Sep-2004 16:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 02-SEP-2004 17:42
Lab File ID: UXX1171.D Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:41 01:41
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	0.94375	0.83627	0.010	-11.4	50.0	
	42 Trichloroethene	0.24724	0.20290	0.010	-17.9	50.0	
	43 1,2-Dichloropropane	0.19986	0.19644	0.010	-1.7	20.0	
	44 1,4-Dioxane	2500	2445	0.010	2.2	50.0	
	45 Dibromomethane	0.13229	0.13169	0.010	-0.5	50.0	
	46 Bromodichloromethane	0.27036	0.25404	0.010	-6.0	50.0	
	47 2-Chloroethyl vinyl ether	0.13598	0.15567	0.010	14.5	50.0	
	48 cis-1,3-Dichloropropene	0.30350	0.29345	0.010	-3.3	50.0	
	49 4-Methyl-2-pentanone	0.33816	0.34973	0.010	3.4	50.0	
	50 Toluene	1.25964	1.27720	0.010	1.4	20.0	
	51 trans-1,3-Dichloropropene	0.40829	0.38913	0.010	-4.7	50.0	
	52 Ethyl Methacrylate	0.41363	0.43987	0.010	6.3	50.0	
	53 1,1,2-Trichloroethane	0.26039	0.26891	0.010	3.3	50.0	
	54 1,3-Dichloropropane	0.47353	0.49748	0.010	5.1	50.0	
	55 Tetrachloroethene	0.24242	0.21286	0.010	-12.2	50.0	
	56 2-Hexanone	0.34673	0.35830	0.010	3.3	50.0	
	57 Dibromochloromethane	0.25686	0.25455	0.010	-0.9	50.0	
	58 1,2-Dibromoethane	0.26981	0.27598	0.010	2.3	50.0	
	59 Chlorobenzene	0.81451	0.76666	0.300	-5.9	50.0	
	60 1,1,1,2-Tetrachloroethane	0.27952	0.25932	0.010	-7.2	50.0	
	61 Ethylbenzene	0.43309	0.41740	0.010	-3.6	20.0	
	62 m + p-Xylene	0.55686	0.53020	0.010	-4.8	50.0	
M	63 Xylenes (total)	0.55750	0.52088	0.010	-6.6	50.0	
	64 Xylene-o	0.55876	0.50224	0.010	-10.1	50.0	
	65 Styrene	0.89113	0.87073	0.010	-2.3	50.0	
	66 Bromoform	50.00000	44.30024	0.100	11.4	50.0	- RF = 0.173 ✓
	67 Isopropylbenzene	1.30549	1.13769	0.010	-12.9	50.0	
	68 1,1,2,2-Tetrachloroethane	0.64865	0.77286	0.300	19.2	50.0	
	69 1,4-Dichloro-2-butene	0.20839	0.15547	0.010	-25.4	50.0	
	70 1,2,3-Trichloropropane	0.27177	0.28900	0.010	6.3	50.0	
	71 Bromobenzene	0.62737	0.63389	0.010	1.0	50.0	
	72 n-Propylbenzene	0.65844	0.65023	0.010	-1.2	50.0	
	73 2-Chlorotoluene	0.61358	0.60410	0.010	-1.5	50.0	
	74 1,3,5-Trimethylbenzene	2.03111	2.00363	0.010	-1.4	50.0	
	75 4-Chlorotoluene	0.62791	0.60660	0.010	-3.4	50.0	
	76 tert-Butylbenzene	1.73363	1.62214	0.010	-6.4	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1171.D
Report Date: 03-Sep-2004 16:53

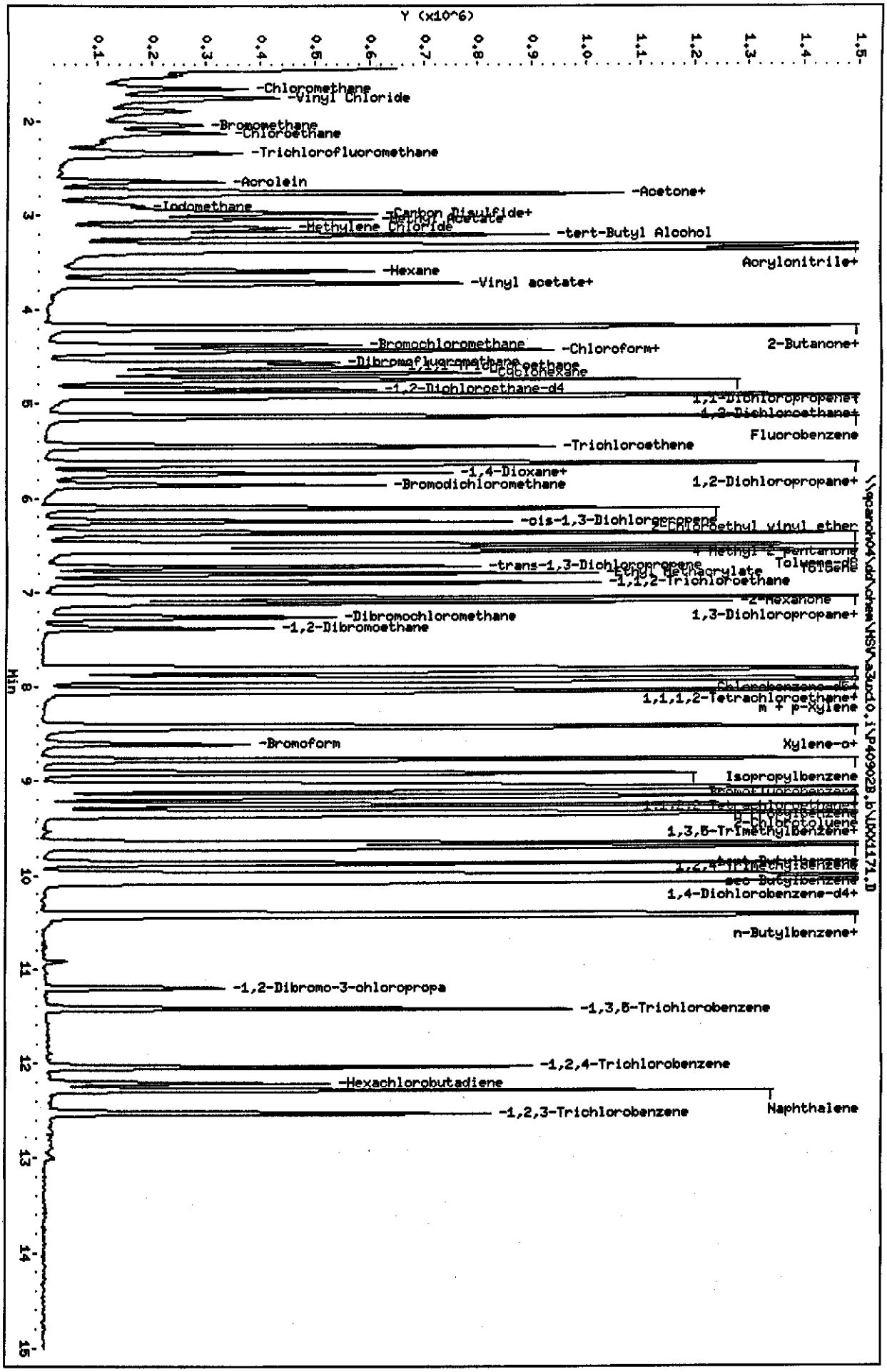
STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX1171.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m

Injection Date: 02-SEP-2004 17:42
Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Init. Cal. Times: 16:41 01:41
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.13087	2.05786	0.010	-3.4	50.0
78 sec-Butylbenzene	2.38219	2.18862	0.010	-8.1	50.0
79 4-Isopropyltoluene	1.98014	1.82076	0.010	-8.0	50.0
80 1,3-Dichlorobenzene	1.22193	1.15067	0.010	-5.8	50.0
81 1,4-Dichlorobenzene	1.30010	1.19980	0.010	-7.7	50.0
82 n-Butylbenzene	1.74089	1.47728	0.010	-15.1	50.0
83 1,2-Dichlorobenzene	1.19720	1.08313	0.010	-9.5	50.0
84 1,2-Dibromo-3-chloropropane	0.18026	0.16917	0.010	-6.2	50.0
85 1,2,4-Trichlorobenzene	0.70063	0.53630	0.010	-23.5	50.0
86 Hexachlorobutadiene	0.24407	0.16930	0.010	-30.6	50.0
87 Naphthalene	2.40596	1.89915	0.010	-21.1	50.0
88 1,2,3-Trichlorobenzene	0.66407	0.47552	0.010	-28.4	50.0
98 Cyclohexane	0.34307	0.24933	0.010	-27.3	50.0
143 Methyl Acetate	0.25756	0.23978	0.010	-6.9	50.0
144 Methylcyclohexane	0.32092	0.23583	0.010	-26.5	50.0
141 1,3,5-Trichlorobenzene	0.76061	0.59531	0.010	-21.7	50.0


Data File: \\qcanon04\dd\chem\HSV\a3xd10.i\P409028.b\UXX1171.D
Date : 02-SEP-2004 17:42
Client ID:
Sample Info: 50NC-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3xd10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
Naphthalene
-1,2,3-Trichlorobenzene
\\qcanon04\dd\chem\HSV\a3xd10.i\P409028.b\UXX1171.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1171.D
Lab Smp Id: 50NG-CC
Inj Date : 02-SEP-2004 17:42
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P40902B,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 16:53 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1700505	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1221779	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	636289	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	329014	50.0000	51.584
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	442812	50.0000	50.354
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1361216	50.0000	54.068
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	495850	50.0000	50.697
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	144552	50.0000	36.116
9 Chloromethane	50	1.656	1.656	(0.323)	335899	50.0000	38.404
10 Vinyl Chloride	62	1.750	1.750	(0.341)	332555	50.0000	43.466
11 Bromomethane	94	2.046	2.046	(0.399)	197495	50.0000	55.926
12 Chloroethane	64	2.129	2.129	(0.415)	283645	50.0000	45.851
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	347030	50.0000	34.765
15 Acrolein	56	2.650	2.650	(0.516)	381421	500.000	205.62
16 Acetone	43	2.768	2.768	(0.539)	419955	100.000	69.156
17 1,1-Dichloroethene	96	2.768	2.768	(0.539)	279639	50.0000	41.920
18 Freon-113	151	2.780	2.780	(0.541)	170017	50.0000	35.228

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1171.D
Report Date: 03-Sep-2004 16:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.910	2.910	(0.567)	355265	50.0000	40.566
	20 Carbon Disulfide	76	2.969	2.969	(0.578)	739226	50.0000	38.250
	21 Methylene Chloride	84	3.135	3.135	(0.611)	326754	50.0000	41.845
	22 Acetonitrile	41	2.993	2.993	(0.583)	581818	500.000	520.70
	23 Acrylonitrile	53	3.312	3.312	(0.645)	2182267	500.000	516.61
	24 Methyl tert-butyl ether	73	3.372	3.372	(0.657)	1089284	50.0000	46.412
	25 trans-1,2-Dichloroethene	96	3.372	3.372	(0.657)	346534	50.0000	46.579
	26 Hexane	86	3.596	3.596	(0.700)	59444	50.0000	39.835
	27 Vinyl acetate	43	3.726	3.726	(0.726)	879416	50.0000	49.406
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	596928	50.0000	46.095
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	1158237	1000.00	824.19
	30 2-Butanone	43	4.176	4.176	(0.813)	595241	100.000	83.700
M	31 1,2-Dichloroethene (total)	96				704680	100.000	91.205
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	358146	50.0000	44.626
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	330458	50.0000	41.315
	34 Bromochloromethane	128	4.377	4.377	(0.853)	171638	50.0000	45.222
	35 Chloroform	83	4.436	4.436	(0.864)	599687	50.0000	45.256
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	180877	50.0000	44.019
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	433139	50.0000	42.436
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	420817	50.0000	41.770
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	335132	50.0000	40.026
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	523298	50.0000	47.265
	41 Benzene	78	4.910	4.910	(0.956)	1422087	50.0000	44.306
	42 Trichloroethene	130	5.454	5.454	(1.062)	345035	50.0000	41.033
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	334051	50.0000	49.144
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	220563	2500.00	2444.7(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	223941	50.0000	49.775
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	432004	50.0000	46.982
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	529436	100.000	114.48
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	499007	50.0000	48.343
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	1189436	100.000	103.42
	50 Toluene	91	6.555	6.555	(0.839)	1560461	50.0000	50.697
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	475435	50.0000	47.654
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	537424	50.0000	53.172
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	328552	50.0000	51.637
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	607805	50.0000	52.528
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	260072	50.0000	43.904
	56 2-Hexanone	43	7.111	7.111	(0.911)	875526	100.000	103.34
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	311005	50.0000	49.550
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	337186	50.0000	51.144
	59 Chlorobenzene	112	7.832	7.832	(1.003)	936686	50.0000	47.062
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	316835	50.0000	46.388
	61 Ethylbenzene	106	7.927	7.927	(1.015)	509976	50.0000	48.189
	62 m + p-Xylene	106	8.034	8.034	(1.029)	1295574	100.000	95.212
M	63 Xylenes (total)	106				1909202	150.000	140.15
	64 Xylene-o	106	8.412	8.412	(1.077)	613628	50.0000	44.942
	65 Styrene	104	8.424	8.424	(1.079)	1063835	50.0000	48.855

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1171.D
Report Date: 03-Sep-2004 16:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	211263	50.0000	44.300
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1390001	50.0000	43.573
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	491763	50.0000	59.575
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	98924	50.0000	37.302
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	183887	50.0000	53.171
71 Bromobenzene	156	9.075	9.075	(0.903)	403339	50.0000	50.520
72 n-Propylbenzene	120	9.170	9.170	(0.913)	413734	50.0000	49.376
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	384383	50.0000	49.228
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	1274889	50.0000	49.324
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	385972	50.0000	48.303
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	1032153	50.0000	46.785
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	1309394	50.0000	48.287
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	1392594	50.0000	45.937
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	1158531	50.0000	45.975
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	732159	50.0000	47.084
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	763418	50.0000	46.143
82 n-Butylbenzene	91	10.412	10.412	(1.037)	939978	50.0000	42.429
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	689182	50.0000	45.236
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	107639	50.0000	46.922
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	341244	50.0000	38.273
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	107726	50.0000	34.683
87 Naphthalene	128	12.282	12.282	(1.223)	1208410	50.0000	39.468
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	302565	50.0000	35.803
98 Cyclohexane	56	4.673	4.673	(0.910)	423989	50.0000	36.338
143 Methyl Acetate	43	3.040	3.040	(0.592)	815501	100.000	93.097
144 Methylcyclohexane	83	5.632	5.632	(1.097)	401032	50.0000	36.743
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	378787	50.0000	39.133

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\[illegible]
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1172.D
Analysis Type: WATER

Injection Date: 02-SEP-2004 18:06
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
53 3-Chloropropene	50.0000	44.2948	11.4	50.0
54 2-Chloro-1,3-butadiene	50.0000	48.4744	3.1	50.0
55 Propionitrile	100.0000	121.4833	21.5	50.0
56 Methacrylonitrile	50.0000	47.7957	4.4	50.0
57 Isobutanol	1000.0000	1201.4665	20.1	50.0
58 Methyl Methacrylate	50.0000	45.3054	9.4	50.0
73 n-Butanol	1000.0000	1116.1059	11.6	50.0
74 Ethyl Acetate	100.0000	101.8391	1.8	50.0
75 Cyclohexanone	500.0000	460.6234	7.9	50.0
76 Ethyl Ether	50.0000	44.7258	10.5	50.0
85 Dichlorofluoromethane	50.0000	40.0182	20.0	50.0
86 2-Nitropropane	100.0000	105.0552	5.1	50.0
126 Isopropyl Ether	250.0000	242.6134	3.0	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
146 2-Methylnaphthalene	100.0000	80.1716	19.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1172.D
Report Date: 03-Sep-2004 16:52

STL North Canton

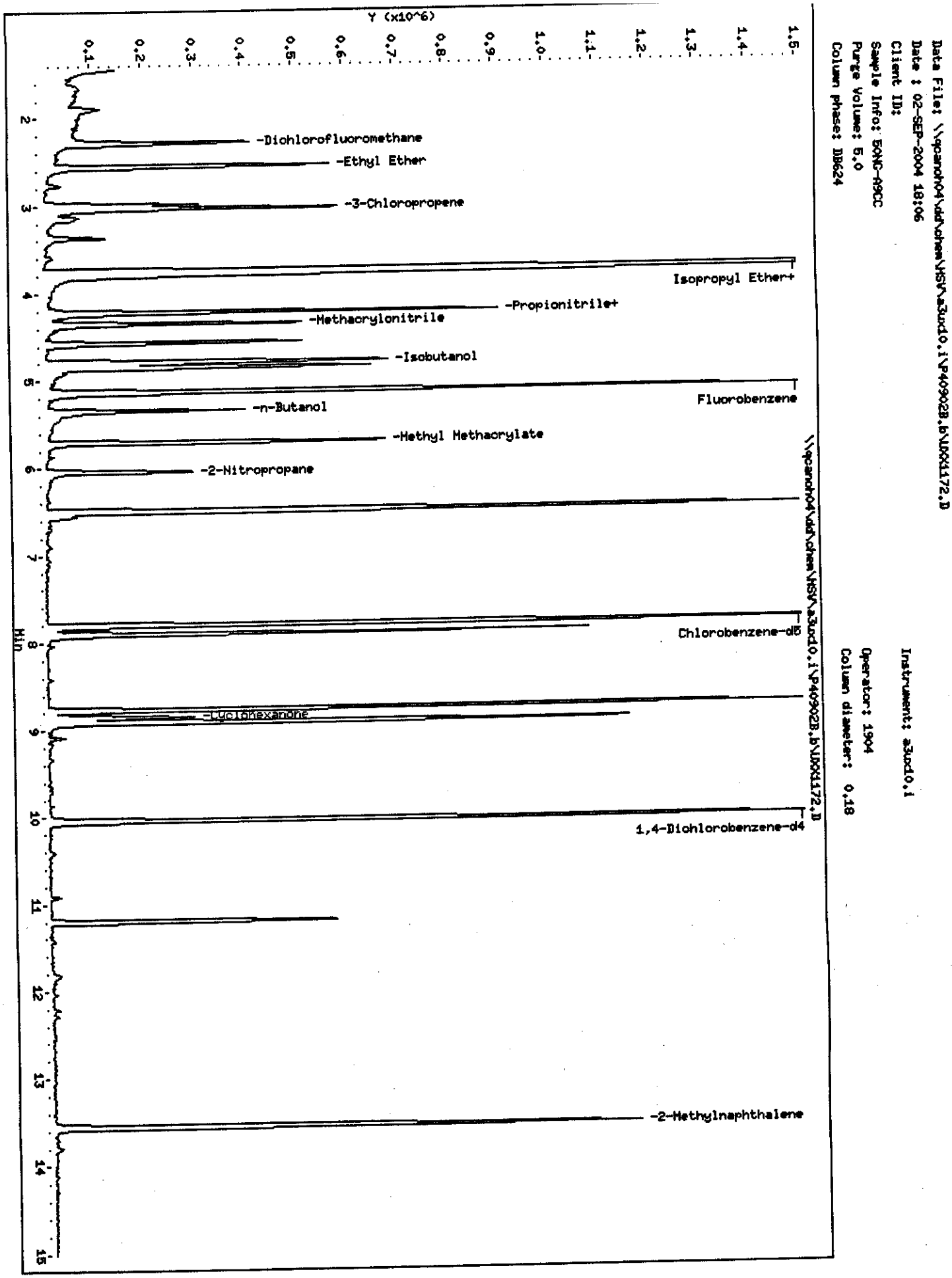
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX1172.D
Analysis Type: WATER
Lab Sample ID: 50NG-A9CC

Injection Date: 02-SEP-2004 18:06
Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Init. Cal. Times: 16:41 01:41
Quant Type: ISTD

Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
14 Dichlorofluoromethane	0.37922	0.30351	0.010	-20.0	50.0
89 Ethyl Ether	0.25798	0.23077	0.010	-10.5	50.0
91 3-Chloropropene	0.09980	0.08841	0.010	-11.4	50.0
92 Isopropyl Ether	0.19046	0.18483	0.010	-3.0	50.0
93 2-Chloro-1,3-butadiene	0.30548	0.29616	0.010	-3.1	50.0
94 Propionitrile	0.03701	0.04496	0.010	21.5	50.0
95 Ethyl Acetate	0.30464	0.31024	0.010	1.8	50.0
96 Methacrylonitrile	0.18966	0.18130	0.010	-4.4	50.0
97 Isobutanol	0.01559	0.01873	0.010	20.1	50.0
99 n-Butanol	0.01134	0.01266	0.010	11.6	50.0
100 Methyl Methacrylate	0.23962	0.21712	0.010	-9.4	50.0
101 2-Nitropropane	100	105	0.010	-5.1	50.0
103 Cyclohexanone	0.03041	0.02801	0.010	-7.9	50.0
146 2-Methylnaphthalene	0.90386	0.72464	0.010	-19.8	50.0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Date : 02-SEP-2004 18:06
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1172.D
Report Date: 03-Sep-2004 16:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1172.D
Lab Smp Id: 50NG-A9CC
Inj Date : 02-SEP-2004 18:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-A9CC
Misc Info : P40902B,8260LLUX10,7-IX+.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 16:52 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.136	5.136	(1.000)	1681918	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1179520	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	542151	50.0000	
14 Dichlorofluoromethane	67	2.284	2.284	(0.445)	510481	50.0000	40.018
89 Ethyl Ether	59	2.544	2.544	(0.495)	388136	50.0000	44.726
91 3-Chloropropene	76	3.041	3.041	(0.592)	148701	50.0000	44.295
92 Isopropyl Ether	87	3.763	3.763	(0.733)	1554357	250.000	242.61(A)
93 2-Chloro-1,3-butadiene	53	3.787	3.787	(0.737)	498120	50.0000	48.474
94 Propionitrile	54	4.213	4.213	(0.820)	151232	100.000	121.48
95 Ethyl Acetate	43	4.224	4.224	(0.823)	1043589	100.000	101.84
96 Methacrylonitrile	41	4.343	4.343	(0.846)	304935	50.0000	47.796
97 Isobutanol	41	4.792	4.792	(0.614)	441745	1000.00	1201.5(A)
99 n-Butanol	56	5.337	5.337	(0.683)	298638	1000.00	1116.1(A)
100 Methyl Methacrylate	41	5.703	5.703	(1.111)	365175	50.0000	45.305
101 2-Nitropropane	41	6.035	6.035	(1.175)	189139	100.000	105.06
103 Cyclohexanone	55	8.851	8.851	(0.881)	151882	500.000	460.62(A)
146 2-Methylnaphthalene	142	13.560	13.560	(1.350)	785730	100.000	80.172

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1172.D
Report Date: 03-Sep-2004 16:52

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
23-AUG-2004 18:10	2-8260	UXJ23279.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
23-AUG-2004 17:47	2-8260	UXJ23278.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
23-AUG-2004 17:24	2-8260	UXJ23277.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
23-AUG-2004 17:02	2-8260	UXJ23276.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
23-AUG-2004 16:39	2-8260	UXJ23275.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
23-AUG-2004 16:17	2-8260	UXJ23274.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

~~16-AUG-2004 17:03~~	~~3-IX~~	~~UXJ23211.D~~ 8/24/04
23-AUG-2004 17:02	2-8260	UXJ23276.D

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23279.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23278.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23277.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23276.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23275.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23274.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
8 Dichlorodifluoromethane	0.18505	0.18963	0.14655	0.15511	0.21772	0.21491	0.18483	15.974
9 Chloromethane	0.62598	0.47355	0.39781	0.35872	0.36170	0.31569	0.42224	26.751
10 Vinyl Chloride	0.21696	0.21365	0.19184	0.19628	0.21692	0.22745	0.21052	6.481
11 Bromomethane	0.13529	0.11866	0.10671	0.09812	0.08715	0.08332	0.10487	18.797
12 Chloroethane	0.13998	0.19259	0.17902	0.16796	0.17447	0.13862	0.16544	13.179
13 Trichlorofluoromethane	0.21182	0.22569	0.17064	0.19852	0.26227	0.25402	0.22049	15.632
14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	0.48495	2.915
15 Acrolein	0.04515	0.04457	0.04541	0.04573	0.04458	0.04453	0.04499	1.138
16 Acetone	0.30874	0.16461	0.14067	0.12284	0.12379	0.13198	0.16544	43.435
17 1,1-Dichloroethene	0.24140	0.24913	0.21643	0.20025	0.24536	0.25076	0.23389	8.847
18 Freon-113	0.14086	0.14662	0.13644	0.12531	0.17064	0.16368	0.14726	11.590
19 Iodomethane	0.22704	0.23262	0.23227	0.22237	0.23041	0.26873	0.23557	7.085
20 Carbon Disulfide	0.82437	0.72282	0.70004	0.67278	0.82747	0.86295	0.76841	10.322
21 Methylene Chloride	0.47020	0.56732	0.41117	0.34674	0.32154	0.30764	0.40410	24.863
22 Acetonitrile	0.04050	0.03720	0.03559	0.03807	0.03411	0.04089	0.03773	7.092
23 Acrylonitrile	0.11345	0.11242	0.11326	0.11211	0.11137	0.11492	0.11292	1.098
24 Methyl tert-butyl ether	0.56846	0.53623	0.55810	0.57335	0.60473	0.63488	0.57929	6.075
25 trans-1,2-Dichloroethene	0.28059	0.23718	0.24786	0.23861	0.26807	0.26634	0.25644	6.930
26 Hexane	0.04680	0.04123	0.03965	0.03560	0.04989	0.04680	0.04333	12.422
27 Vinyl acetate	0.39411	0.42562	0.47316	0.48545	0.51425	0.54024	0.47214	11.540
28 1,1-Dichloroethane	0.47580	0.46421	0.44543	0.43070	0.46348	0.46316	0.45713	3.542
29 tert-Butyl Alcohol	0.02764	0.02346	0.02177	0.02142	0.01994	0.02481	0.02317	11.926
30 2-Butanone	0.16725	0.13894	0.14429	0.14226	0.14970	0.15870	0.15019	7.219
M 31 1,2-Dichloroethene (total)	0.28042	0.24502	0.25627	0.24929	0.27195	0.27150	0.26241	5.417
32 cis-1,2-dichloroethene	0.28025	0.25285	0.26467	0.25996	0.27583	0.27665	0.26837	4.049

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.16931	0.15641	0.15873	0.15129	0.18297	0.18862	0.16789	9.036	
	34 Bromochloromethane	0.15063	0.13124	0.14055	0.13199	0.13317	0.13096	0.13642	5.733	
	35 Chloroform	0.46830	0.45067	0.45027	0.44277	0.47086	0.46339	0.45771	2.483	
	36 Tetrahydrofuran	0.09261	0.08073	0.07947	0.07905	0.07766	0.08194	0.08191	6.642	
	37 1,1,1-Trichloroethane	0.28406	0.24479	0.25125	0.23318	0.28758	0.28540	0.26438	9.105	
	38 1,1-Dichloropropene	0.31296	0.28905	0.28047	0.26877	0.34143	0.33488	0.30459	9.796	
	39 Carbon Tetrachloride	0.19319	0.18766	0.17316	0.16474	0.21859	0.22311	0.19341	12.195	
	40 1,2-Dichloroethane	0.39524	0.34549	0.36827	0.35980	0.35849	0.36197	0.36488	4.560	
	41 Benzene	1.21004	1.08441	1.09143	1.06214	1.16529	1.13934	1.12544	4.992	
	42 Trichloroethene	0.26507	0.23773	0.23771	0.23433	0.26165	0.26169	0.24970	5.793	
	43 1,2-Dichloropropane	0.28937	0.25927	0.26871	0.26881	0.28058	0.27756	0.27405	3.875	
	44 1,4-Dioxane	0.00331	0.00331	0.00289	0.00329	0.00327	0.00310	0.00320	5.316	<-
	45 Dibromomethane	0.18087	0.16695	0.16491	0.15735	0.16520	0.16078	0.16601	4.864	
	46 Bromodichloromethane	0.29371	0.28019	0.30745	0.30387	0.32460	0.33573	0.30759	6.565	
	47 2-Chloroethyl vinyl ether	0.12404	0.12314	0.14882	0.15854	0.16673	0.17411	0.14923	14.458	
	48 cis-1,3-Dichloropropene	0.35762	0.34448	0.39219	0.40247	0.42852	0.44005	0.39422	9.601	
	49 4-Methyl-2-pentanone	0.24553	0.23042	0.25147	0.25799	0.27538	0.28827	0.25818	8.082	
	50 Toluene	1.32332	1.29146	1.42971	1.39132	1.50849	1.53179	1.41268	6.848	
	51 trans-1,3-Dichloropropene	0.40217	0.40062	0.44636	0.46516	0.48687	0.51601	0.45286	10.185	
	52 Ethyl Methacrylate	0.34197	0.37106	0.42736	0.46229	0.49194	0.51473	0.43489	15.645	
	53 1,1,2-Trichloroethane	0.34398	0.30335	0.32447	0.32514	0.31819	0.32332	0.32308	4.051	
	54 1,3-Dichloropropane	0.60959	0.55201	0.58529	0.57402	0.57500	0.59455	0.58174	3.387	
	55 Tetrachloroethene	0.26384	0.24680	0.22729	0.21918	0.24718	0.25422	0.24309	6.899	
	56 2-Hexanone	0.22267	0.22877	0.26084	0.26419	0.28476	0.31096	0.26203	12.740	
	57 Dibromochloromethane	0.23138	0.23161	0.25570	0.26033	0.28545	0.31443	0.26315	12.248	
	58 1,2-Dibromoethane	0.30415	0.29550	0.31478	0.32057	0.31702	0.32794	0.31333	3.732	
	59 Chlorobenzene	1.03748	0.94753	0.97720	0.94391	0.97916	0.98780	0.97885	3.456	
	60 1,1,1,2-Tetrachloroethane	0.30433	0.28521	0.29373	0.29413	0.30245	0.31974	0.29993	3.965	
	61 Ethylbenzene	0.40821	0.39709	0.43692	0.45294	0.50084	0.52555	0.45359	11.216	
	62 m + p-Xylene	0.52768	0.51908	0.59303	0.58856	0.65325	0.67617	0.59296	10.745	
M	63 Xylenes (total)	0.51249	0.50227	0.58727	0.59059	0.64688	0.67182	0.58522	11.716	
	64 Xylene-o	0.48212	0.46864	0.57576	0.59465	0.63415	0.66310	0.56974	13.914	
	65 Styrene	0.81989	0.87861	1.06933	1.11836	1.18367	1.22131	1.04853	15.647	

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
66 Bromoform	0.13815	0.14678	0.15812	0.16760	0.18976	0.22243	0.17047	18.248
67 Isopropylbenzene	1.01747	1.01063	1.11708	1.15438	1.39739	1.44801	1.19083	15.849
68 1,1,2,2-Tetrachloroethane	0.90122	0.85087	0.82757	0.85702	0.81583	0.81337	0.84431	3.926
69 1,4-Dichloro-2-butene	0.24103	0.20409	0.22146	0.25035	0.23941	0.25447	0.23514	8.090
70 1,2,3-Trichloropropane	0.29750	0.24993	0.26319	0.26754	0.25308	0.26002	0.26521	6.442
71 Bromobenzene	0.71285	0.69516	0.72688	0.73457	0.73807	0.75343	0.72683	2.814
72 n-Propylbenzene	0.49191	0.52130	0.57092	0.60480	0.68877	0.71353	0.59854	14.850
73 2-Chlorotoluene	0.55049	0.55754	0.62678	0.63219	0.67647	0.68670	0.62169	9.254
74 1,3,5-Trimethylbenzene	1.58644	1.64845	1.87513	2.00599	2.25675	2.28819	1.94349	15.265
75 4-Chlorotoluene	0.62749	0.62723	0.70565	0.71152	0.72328	0.74727	0.69041	7.369
76 tert-Butylbenzene	1.41749	1.27445	1.37453	1.45023	1.74537	1.82487	1.51449	14.478
77 1,2,4-Trimethylbenzene	1.62558	1.77258	2.07517	2.23294	2.40918	2.45866	2.09569	16.177
78 sec-Butylbenzene	1.95352	1.83718	1.92601	2.00758	2.47440	2.48764	2.11439	13.684
79 4-Isopropyltoluene	1.52438	1.51912	1.67024	1.77894	2.08010	2.13945	1.78537	15.124
80 1,3-Dichlorobenzene	1.42250	1.32021	1.36183	1.33538	1.35320	1.36156	1.35912	2.579
81 1,4-Dichlorobenzene	1.57216	1.48043	1.40391	1.42797	1.42082	1.41549	1.45347	4.398
82 n-Butylbenzene	1.46033	1.33296	1.39225	1.48126	1.83513	1.89172	1.56561	15.152
83 1,2-Dichlorobenzene	1.34744	1.27492	1.32208	1.34267	1.32036	1.31772	1.32086	1.946
84 1,2-Dibromo-3-chloropropane	0.11131	0.11512	0.12002	0.12903	0.12582	0.12813	0.12157	6.001
85 1,2,4-Trichlorobenzene	0.47138	0.47197	0.48194	0.52464	0.53505	0.48329	0.49471	5.629
86 Hexachlorobutadiene	0.29756	0.24501	0.22480	0.22750	0.24599	0.21022	0.24185	12.578
87 Naphthalene	0.92337	0.93027	1.04113	1.29024	1.36006	1.19078	1.12264	16.543
88 1,2,3-Trichlorobenzene	0.31211	0.31319	0.33250	0.38135	0.35874	0.27918	0.32951	11.070
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	0.24654	5.241
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	0.10305	10.335
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	0.22353	6.886
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	0.37276	6.882
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	0.04231	4.404
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	0.24508	2.253
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	0.15890	2.134
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	0.01142	4.362
98 Cyclohexane	0.32819	0.27038	0.27323	0.27590	0.40016	0.39302	0.32348	18.726

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	0.00822	9.712	<-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	0.19531	9.504	
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	0.06079	6.151	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	0.02717	14.734	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.76239	0.65341	0.67115	0.67565	0.70016	0.69285	0.69260	5.483	
143 Methyl Acetate	0.23159	0.22622	0.21149	0.20921	0.21058	0.21178	0.21681	4.411	
144 Methylcyclohexane	0.25760	0.23744	0.22685	0.23172	0.32453	0.31742	0.26592	16.532	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.24833	0.24050	0.23464	0.22788	0.23100	0.22948	0.23531	3.317	
$ 5 1,2-Dichloroethane-d4	0.33210	0.32559	0.32333	0.28901	0.29145	0.30829	0.31163	5.883	
$ 6 Toluene-d8	1.12687	1.15349	1.22337	1.23159	1.21944	1.23275	1.19792	3.822	
$ 7 Bromofluorobenzene	0.48179	0.48817	0.51654	0.51297	0.51592	0.53069	0.50768	3.690	

:port Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

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arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
al Date : 24-Aug-2004 08:57 evansl

alibration File Names:
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evel 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23278.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23277.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23276.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23275.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23274.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	36234	76444	152547	331907	932093	1836332	QUAD	0.09459	4.72036	-0.23468	0.99468
9 Chloromethane	122572	190904	414081	767618	1548500	2697411	QUAD	-0.02932	2.48111	0.55425	0.99920
10 Vinyl Chloride	0.21696	0.21365	0.19184	0.19628	0.21692	0.22745	AVRG		0.21052		6.48069
11 Bromomethane	26490	47836	111071	209960	373084	711906	QUAD	-0.07214	10.98975	3.75510	0.99956
12 Chloroethane	0.13998	0.19259	0.17902	0.16796	0.17447	0.13862	AVRG		0.16544		13.17899
13 Trichlorofluoromethane	41476	90983	177616	424813	1122799	2170505	QUAD	0.09694	3.80871	0.01250	0.99567
14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	AVRG		0.48495		2.91496
15 Acrolein	0.04515	0.04457	0.04541	0.04573	0.04458	0.04453	AVRG		0.04499		1.13819
16 Acetone	120906	132720	292849	525718	1059897	2255436	WLINR	-0.22294	0.12270		0.99081

eport Date : 24-Aug-2004 08:58

STL North Canton

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	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	17 1,1-Dichloroethene	0.24140	0.24913	0.21643	0.20025	0.24536	0.25076	AVRG		0.23389		8.84748
	18 Freon-113	0.14086	0.14662	0.13644	0.12531	0.17064	0.16368	AVRG		0.14726		11.58956
	19 Iodomethane	0.22704	0.23262	0.23227	0.22237	0.23041	0.26873	AVRG		0.23557		7.08487
	20 Carbon Disulfide	0.82437	0.72282	0.70004	0.67278	0.82747	0.86295	AVRG		0.76841		10.32195
	21 Methylene Chloride	92069	228705	427982	741969	1376557	2628675	QUAD	-0.11076	3.13072	0.17435	0.99924
	22 Acetonitrile	0.04050	0.03720	0.03559	0.03807	0.03411	0.04089	AVRG		0.03773		7.09184
	23 Acrylonitrile	0.11345	0.11242	0.11326	0.11211	0.11137	0.11492	AVRG		0.11292		1.09808
	24 Methyl tert-butyl ether	0.56846	0.53623	0.55810	0.57335	0.60473	0.63488	AVRG		0.57929		6.07527
	25 trans-1,2-Dichloroethene	0.28059	0.23718	0.24786	0.23861	0.26807	0.26634	AVRG		0.25644		6.92994
	26 Hexane	0.04680	0.04123	0.03965	0.03560	0.04989	0.04680	AVRG		0.04333		12.42188
	27 Vinyl acetate	0.39411	0.42562	0.47316	0.48545	0.51425	0.54024	AVRG		0.47214		11.53961
	28 1,1-Dichloroethane	0.47580	0.46421	0.44543	0.43070	0.46348	0.46316	AVRG		0.45713		3.54244
	29 tert-Butyl Alcohol	0.02764	0.02346	0.02177	0.02142	0.01994	0.02481	AVRG		0.02317		11.92596
	30 2-Butanone	0.16725	0.13894	0.14429	0.14226	0.14970	0.15870	AVRG		0.15019		7.21949
M	31 1,2-Dichloroethene (total)	0.28042	0.24502	0.25627	0.24929	0.27195	0.27150	AVRG		0.26241		5.41731
	32 cis-1,2-dichloroethene	0.28025	0.25285	0.26467	0.25996	0.27583	0.27665	AVRG		0.26837		4.04860
	33 2,2-Dichloropropane	0.16931	0.15641	0.15873	0.15129	0.18297	0.18862	AVRG		0.16789		9.03560

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STL North Canton

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.15063	0.13124	0.14055	0.13199	0.13317	0.13096	AVRG		0.13642		5.73256	
35 Chloroform	0.46830	0.45067	0.45027	0.44277	0.47086	0.46339	AVRG		0.45771		2.48264	
36 Tetrahydrofuran	0.09261	0.08073	0.07947	0.07905	0.07766	0.08194	AVRG		0.08191		6.64215	
37 1,1,1-Trichloroethane	0.28406	0.24479	0.25125	0.23318	0.28758	0.28540	AVRG		0.26438		9.10473	
38 1,1-Dichloropropene	0.31296	0.28905	0.28047	0.26877	0.34143	0.33488	AVRG		0.30459		9.79579	
39 Carbon Tetrachloride	0.19319	0.18766	0.17316	0.16474	0.21859	0.22311	AVRG		0.19341		12.19483	
40 1,2-Dichloroethane	0.39524	0.34549	0.36827	0.35980	0.35849	0.36197	AVRG		0.36488		4.55994	
41 Benzene	1.21004	1.08441	1.09143	1.06214	1.16529	1.13934	AVRG		1.12544		4.99242	
42 Trichloroethene	0.26507	0.23773	0.23771	0.23433	0.26165	0.26169	AVRG		0.24970		5.79289	
43 1,2-Dichloropropane	0.28937	0.25927	0.26871	0.26881	0.28058	0.27756	AVRG		0.27405		3.87513	
44 1,4-Dioxane	0.00331	0.00331	0.00289	0.00329	0.00327	0.00310	AVRG		0.00320		5.31606	<-
45 Dibromomethane	0.18087	0.16695	0.16491	0.15735	0.16520	0.16078	AVRG		0.16601		4.86381	
46 Bromodichloromethane	0.29371	0.28019	0.30745	0.30387	0.32460	0.33573	AVRG		0.30759		6.56517	
47 2-Chloroethyl vinyl ether	0.12404	0.12314	0.14882	0.15854	0.16673	0.17411	AVRG		0.14923		14.45807	
48 cis-1,3-Dichloropropene	0.35762	0.34448	0.39219	0.40247	0.42852	0.44005	AVRG		0.39422		9.60053	
49 4-Methyl-2-pentanone	0.24553	0.23042	0.25147	0.25799	0.27538	0.28827	AVRG		0.25818		8.08199	
50 Toluene	1.32332	1.29146	1.42971	1.39132	1.50849	1.53179	AVRG		1.41268		6.84788	

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STL North Canton

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	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	51 trans-1,3-Dichloropropene	0.40217	0.40062	0.44636	0.46516	0.48687	0.51601	AVRG		0.45286		10.18463
	52 Ethyl Methacrylate	52469	117083	343719	773247	1674778	3435426	QUAD	0.04593	2.07215	-0.07419	0.99993
	53 1,1,2-Trichloroethane	0.34398	0.30335	0.32447	0.32514	0.31819	0.32332	AVRG		0.32308		4.05102
	54 1,3-Dichloropropane	0.60959	0.55201	0.58529	0.57402	0.57500	0.59455	AVRG		0.58174		3.38684
	55 Tetrachloroethene	0.26384	0.24680	0.22729	0.21918	0.24718	0.25422	AVRG		0.24309		6.89900
	56 2-Hexanone	0.22267	0.22877	0.26084	0.26419	0.28476	0.31096	AVRG		0.26203		12.74019
	57 Dibromochloromethane	0.23138	0.23161	0.25570	0.26033	0.28545	0.31443	AVRG		0.26315		12.24804
	58 1,2-Dibromoethane	0.30415	0.29550	0.31478	0.32057	0.31702	0.32794	AVRG		0.31333		3.73246
	59 Chlorobenzene	1.03748	0.94753	0.97720	0.94391	0.97916	0.98780	AVRG		0.97885		3.45599
	60 1,1,1,2-Tetrachloroethane	0.30433	0.28521	0.29373	0.29413	0.30245	0.31974	AVRG		0.29993		3.96461
	61 Ethylbenzene	0.40821	0.39709	0.43692	0.45294	0.50084	0.52555	AVRG		0.45359		11.21601
	62 m + p-Xylene	0.52768	0.51908	0.59303	0.58856	0.65325	0.67617	AVRG		0.59296		10.74532
M	63 Xylenes (total)	0.51249	0.50227	0.58727	0.59059	0.64688	0.67182	AVRG		0.58522		11.71582
	64 Xylene-o	0.48212	0.46864	0.57576	0.59465	0.63415	0.66310	AVRG		0.56974		13.91385
	65 Styrene	125797	277235	860042	1870598	4029766	8151269	QUAD	0.04448	0.85102	-0.00854	0.99995
	66 Bromoform	21197	46315	127171	280334	646046	1484556	QUAD	0.03804	5.80552	-1.52366	0.99982
	67 Isopropylbenzene	156112	318892	898447	1930853	4757371	9664299	WLINR	0.05218	1.42283		0.99414

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.90122	0.85087	0.82757	0.85702	0.81583	0.81337	AVRG		0.84431		3.92554
69 1,4-Dichloro-2-butene	0.24103	0.20409	0.22146	0.25035	0.23941	0.25447	AVRG		0.23514		8.08979
70 1,2,3-Trichloropropane	0.29750	0.24993	0.26319	0.26754	0.25308	0.26002	AVRG		0.26521		6.44228
71 Bromobenzene	0.71285	0.69516	0.72688	0.73457	0.73807	0.75343	AVRG		0.72683		2.81440
72 n-Propylbenzene	0.49191	0.52130	0.57092	0.60480	0.68877	0.71353	AVRG		0.59854		14.85011
73 2-Chlorotoluene	0.55049	0.55754	0.62678	0.63219	0.67647	0.68670	AVRG		0.62169		9.25375
74 1,3,5-Trimethylbenzene	135032	294386	884301	1937493	4494308	9041298	WLINR	0.04703	2.27837		0.99775
75 4-Chlorotoluene	0.62749	0.62723	0.70565	0.71152	0.72328	0.74727	AVRG		0.69041		7.36881
76 tert-Butylbenzene	1.41749	1.27445	1.37453	1.45023	1.74537	1.82487	AVRG		1.51449		14.47787
77 1,2,4-Trimethylbenzene	138364	316554	978641	2156696	4797861	9714842	WLINR	0.04679	2.45460		0.99888
78 sec-Butylbenzene	1.95352	1.83718	1.92601	2.00758	2.47440	2.48764	AVRG		2.11439		13.68362
79 4-Isopropyltoluene	129750	271290	787676	1718200	4142498	8453569	WLINR	0.04939	2.11125		0.99567
80 1,3-Dichlorobenzene	1.42250	1.32021	1.36183	1.33538	1.35320	1.36156	AVRG		1.35912		2.57890
81 1,4-Dichlorobenzene	1.57216	1.48043	1.40391	1.42797	1.42082	1.41549	AVRG		1.45347		4.39781
82 n-Butylbenzene	124298	238045	656579	1430683	3654646	7474710	WLINR	0.04995	1.85521		0.99198
83 1,2-Dichlorobenzene	1.34744	1.27492	1.32208	1.34267	1.32036	1.31772	AVRG		1.32086		1.94603
84 1,2-Dibromo-3-chloropropane	0.11131	0.11512	0.12002	0.12903	0.12582	0.12813	AVRG		0.12157		6.00094

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.47138	0.47197	0.48194	0.52464	0.53505	0.48329	AVRG		0.49471		5.62942	
86 Hexachlorobutadiene	0.29756	0.24501	0.22480	0.22750	0.24599	0.21022	AVRG		0.24185		12.57847	
87 Naphthalene	78594	166132	490992	1246179	2708547	4705098	WLINR	0.03704	1.26960		0.99353	
88 1,2,3-Trichlorobenzene	0.31211	0.31319	0.33250	0.38135	0.35874	0.27918	AVRG		0.32951		11.06968	
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	AVRG		0.24654		5.24098	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	AVRG		0.10305		10.33497	
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	AVRG		0.22353		6.88556	
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	AVRG		0.37276		6.88150	
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	AVRG		0.04231		4.40359	
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	AVRG		0.24508		2.25277	
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	AVRG		0.15890		2.13440	
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	AVRG		0.01142		4.36240	
98 Cyclohexane	64262	109000	284402	590383	1713126	3358182	QUAD	0.11308	2.53286	-0.04744	0.99437	
99 n-Butanol	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	AVRG		0.00822		9.71167	<-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	AVRG		0.19531		9.50417	
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	AVRG		0.06079		6.15064	

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Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	AVRG		0.02717		14.73408	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.76239	0.65341	0.67115	0.67565	0.70016	0.69285	AVRG		0.69260		5.48310	
143 Methyl Acetate	0.23159	0.22622	0.21149	0.20921	0.21058	0.21178	AVRG		0.21681		4.41089	
144 Methylcyclohexane	50439	95718	236124	495840	1389342	2712201	QUAD	0.10386	3.11720	-0.05155	0.99513	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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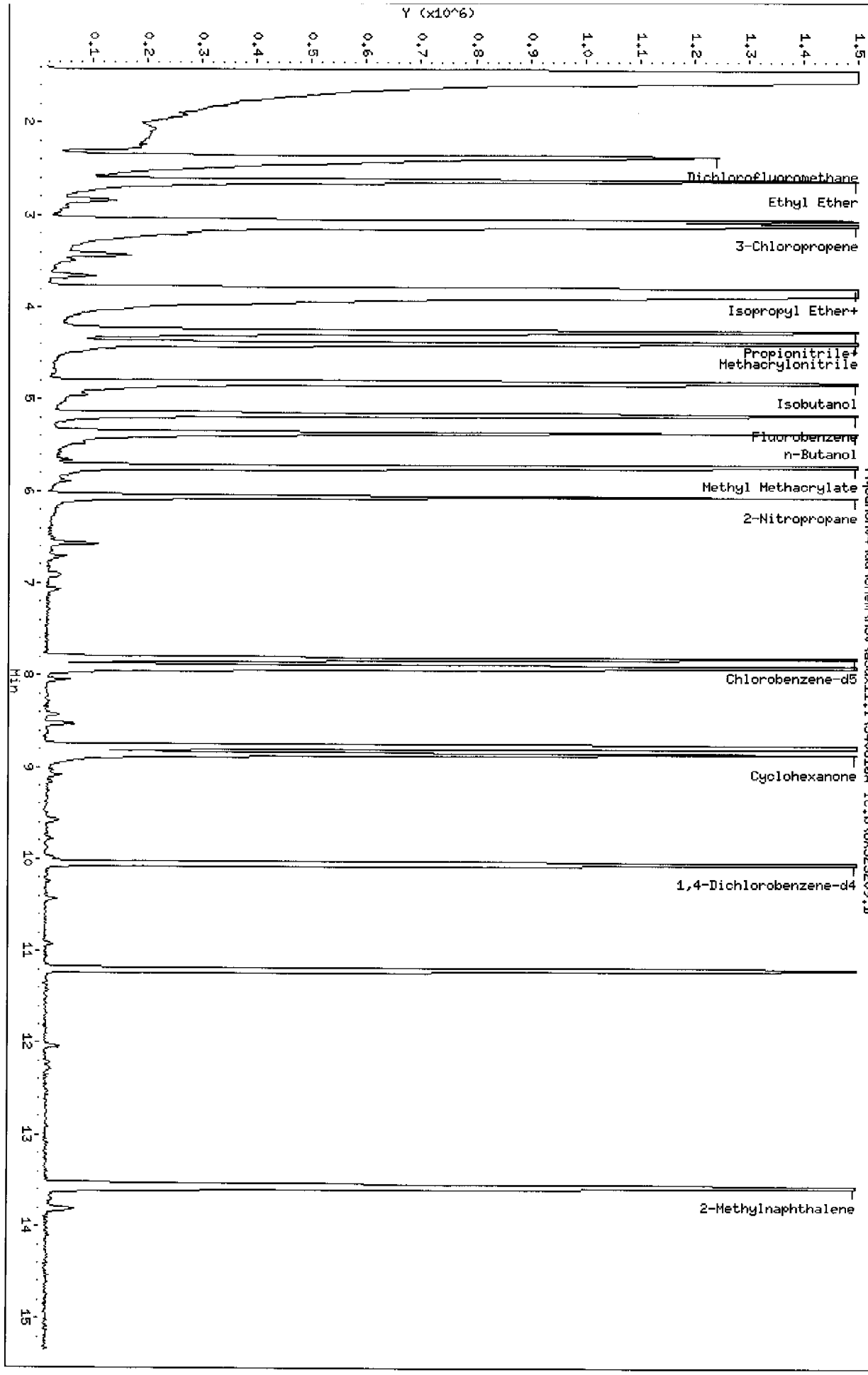
Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	0.24833	0.24050	0.23464	0.22788	0.23100	0.22948	AVRG		0.23531		3.31726
5 1,2-Dichloroethane-d4	0.33210	0.32559	0.32333	0.28901	0.29145	0.30829	AVRG		0.31163		5.88341
6 Toluene-d8	1.12687	1.15349	1.22337	1.23159	1.21944	1.23275	AVRG		1.19792		3.82174
7 Bromofluorobenzene	0.48179	0.48817	0.51654	0.51297	0.51592	0.53069	AVRG		0.50768		3.68972

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408160-IC,b\UXJ23209.D
Date : 16-AUG-2004 16:18
Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Report Date: 17-Aug-2004 14:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Lab Smp Id: 200NG-A9IC
Inj Date : 16-AUG-2004 16:18
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	2040512	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1444382	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	767740	50.0000	
14 Dichlorofluoromethane	67	2.367	2.367	(0.458)	4007314	200.000	202.48(A)
89 Ethyl Ether	59	2.627	2.627	(0.508)	1930594	200.000	191.88
91 3-Chloropropene	76	3.112	3.112	(0.602)	944322	200.000	224.54(A)
92 Isopropyl Ether	87	3.810	3.810	(0.737)	9615196	1000.00	1054.0(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	3214209	200.000	211.29(A)
94 Propionitrile	54	4.260	4.260	(0.824)	651311	400.000	377.22(A)
95 Ethyl Acetate	43	4.260	4.260	(0.824)	4084685	400.000	408.39(A)
96 Methacrylonitrile	41	4.390	4.390	(0.849)	1321846	200.000	203.84(A)
97 Isobutanol	41	4.816	4.816	(0.616)	1331366	4000.00	4036.3(A)
99 n-Butanol	56	5.361	5.361	(0.685)	1074873	4000.00	4527.6(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	1819805	200.000	228.32(A)
101 2-Nitropropane	41	6.059	6.059	(1.172)	1031981	400.000	415.94(A)
103 Cyclohexanone	55	8.851	8.851	(0.881)	959642	2000.00	2300.0(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	4079814	400.000	1085.6(A)

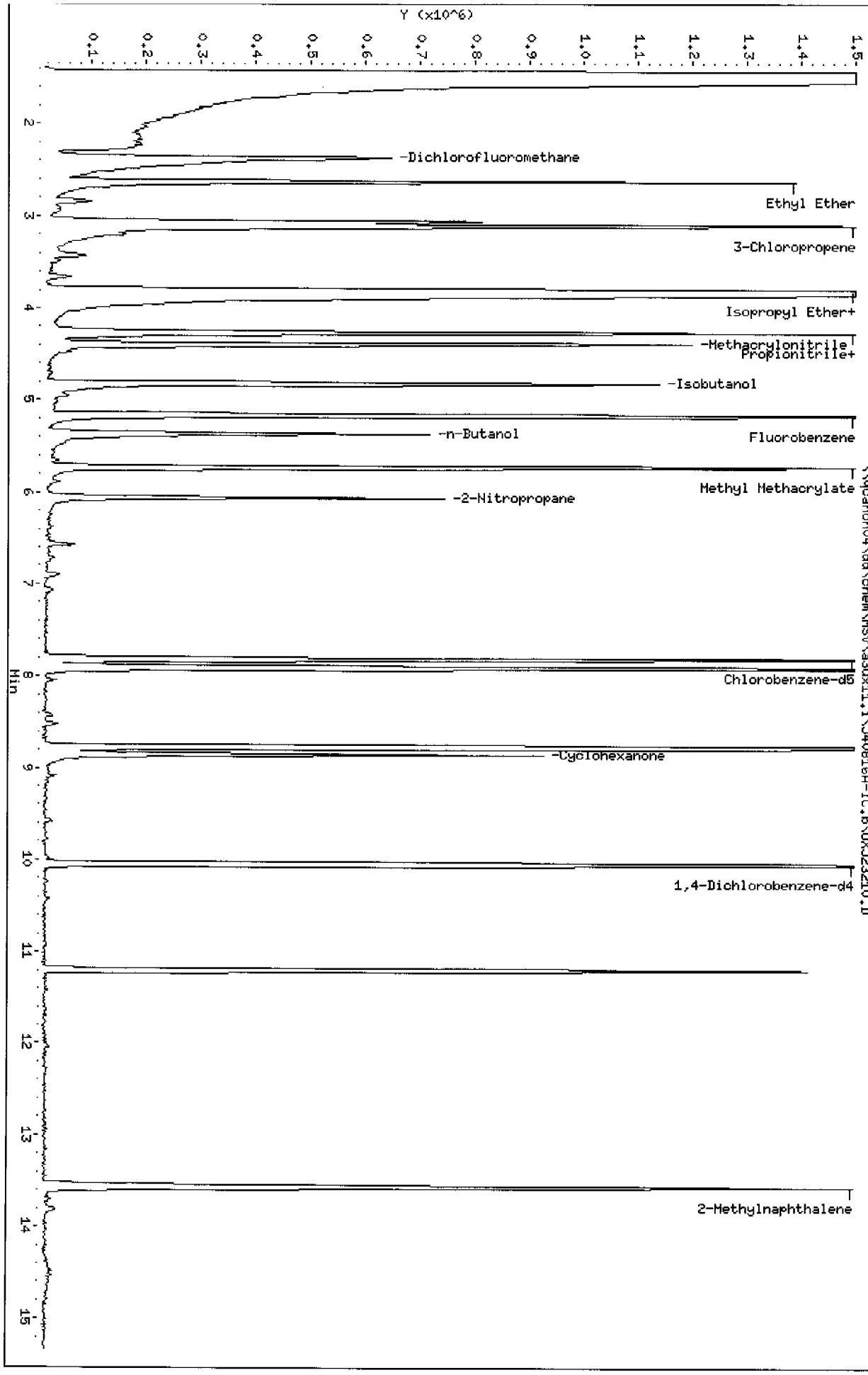
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Report Date: 17-Aug-2004 14:56

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408168A-IC.b\UXJ23210.D
Date : 16-AUG-2004 16:40
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Report Date: 17-Aug-2004 14:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Lab Smp Id: 100NG-A9IC
Inj Date : 16-AUG-2004 16:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1987706	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1429041	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	734335	50.0000	
14 Dichlorofluoromethane	67	2.367	2.367	(0.458)	1919583	100.000	99.570
89 Ethyl Ether	59	2.627	2.627	(0.508)	952411	100.000	97.174
91 3-Chloropropene	76	3.112	3.112	(0.602)	432982	100.000	105.69
92 Isopropyl Ether	87	3.810	3.810	(0.737)	4697492	500.000	528.62(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	1537316	100.000	103.74
94 Propionitrile	54	4.260	4.260	(0.824)	325535	200.000	193.55
95 Ethyl Acetate	43	4.260	4.260	(0.824)	1943985	200.000	199.52
96 Methacrylonitrile	41	4.390	4.390	(0.849)	647907	100.000	102.57
97 Isobutanol	41	4.816	4.816	(0.616)	662388	2000.00	2029.7(A)
99 n-Butanol	56	5.361	5.361	(0.685)	498130	2000.00	2120.8(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	831362	100.000	107.08
101 2-Nitropropane	41	6.059	6.059	(1.172)	493098	200.000	204.02(A)
103 Cyclohexanone	55	8.851	8.851	(0.881)	453132	1000.00	1135.4(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1299383	200.000	361.47(A)

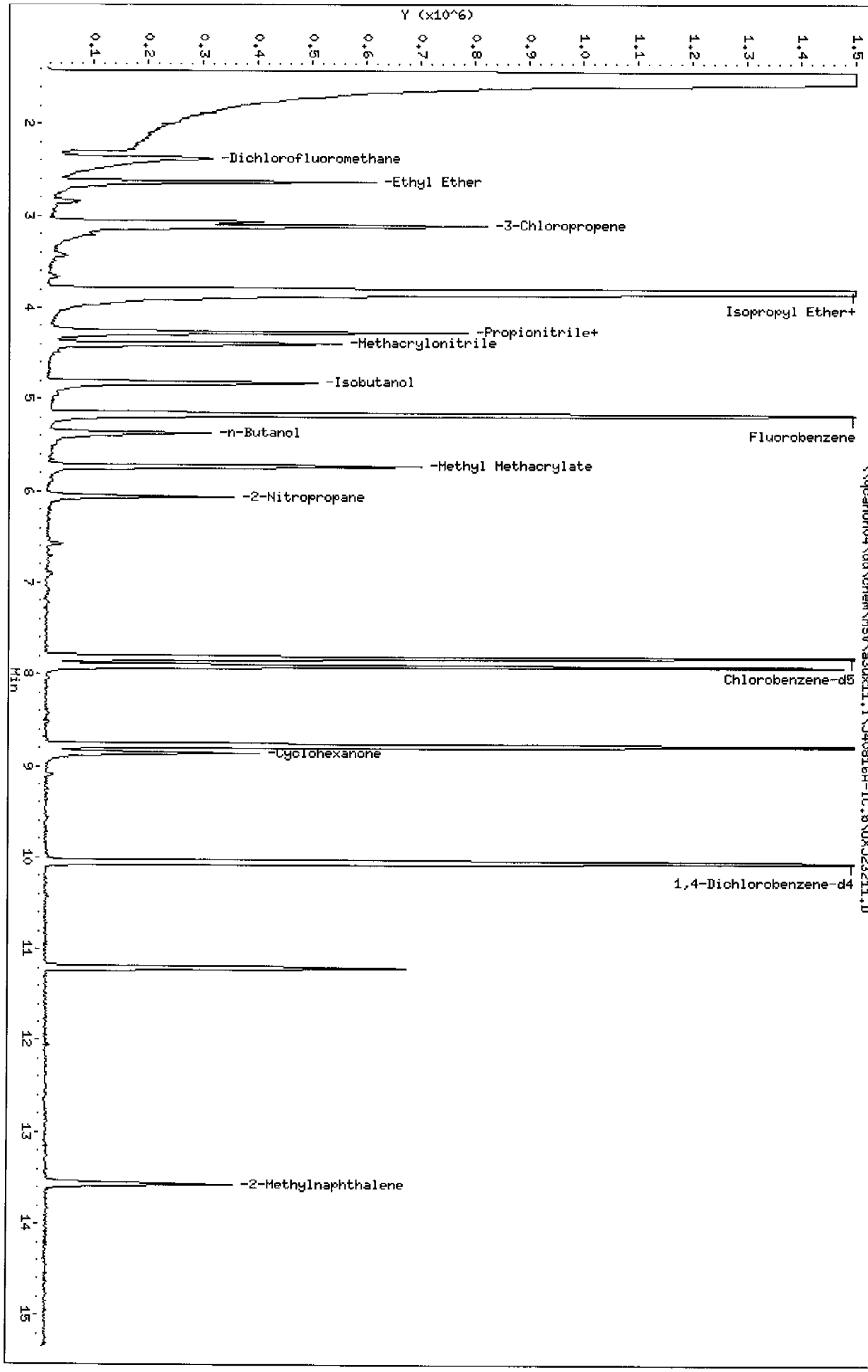
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Report Date: 17-Aug-2004 14:57

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408166-IC.b\UXJ23211.D
Date : 16-AUG-2004 17:03
Client ID:
Sample Info: 50NG-A91C
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Report Date: 17-Aug-2004 14:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Lab Smp Id: 50NG-A9IC
Inj Date : 16-AUG-2004 17:03
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1946935	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1394264	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	698314	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	957001	50.0000	50.680
89 Ethyl Ether	59	2.639	2.639	(0.510)	461257	50.0000	48.047
91 3-Chloropropene	76	3.112	3.112	(0.602)	208248	50.0000	51.898
92 Isopropyl Ether	87	3.810	3.810	(0.737)	2284128	250.000	262.42(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	760882	50.0000	52.422
94 Propionitrile	54	4.260	4.260	(0.824)	160094	100.000	97.178
95 Ethyl Acetate	43	4.272	4.272	(0.826)	927819	100.000	97.223
96 Methacrylonitrile	41	4.390	4.390	(0.849)	308829	50.0000	49.914
97 Isobutanol	41	4.816	4.816	(0.616)	309158	1000.00	970.97(A)
99 n-Butanol	56	5.361	5.361	(0.685)	234037	1000.00	1021.2(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	388455	50.0000	51.079
101 2-Nitropropane	41	6.059	6.059	(1.172)	242106	100.000	102.27
103 Cyclohexanone	55	8.851	8.851	(0.881)	204421	500.000	538.66(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	247408	100.000	72.376

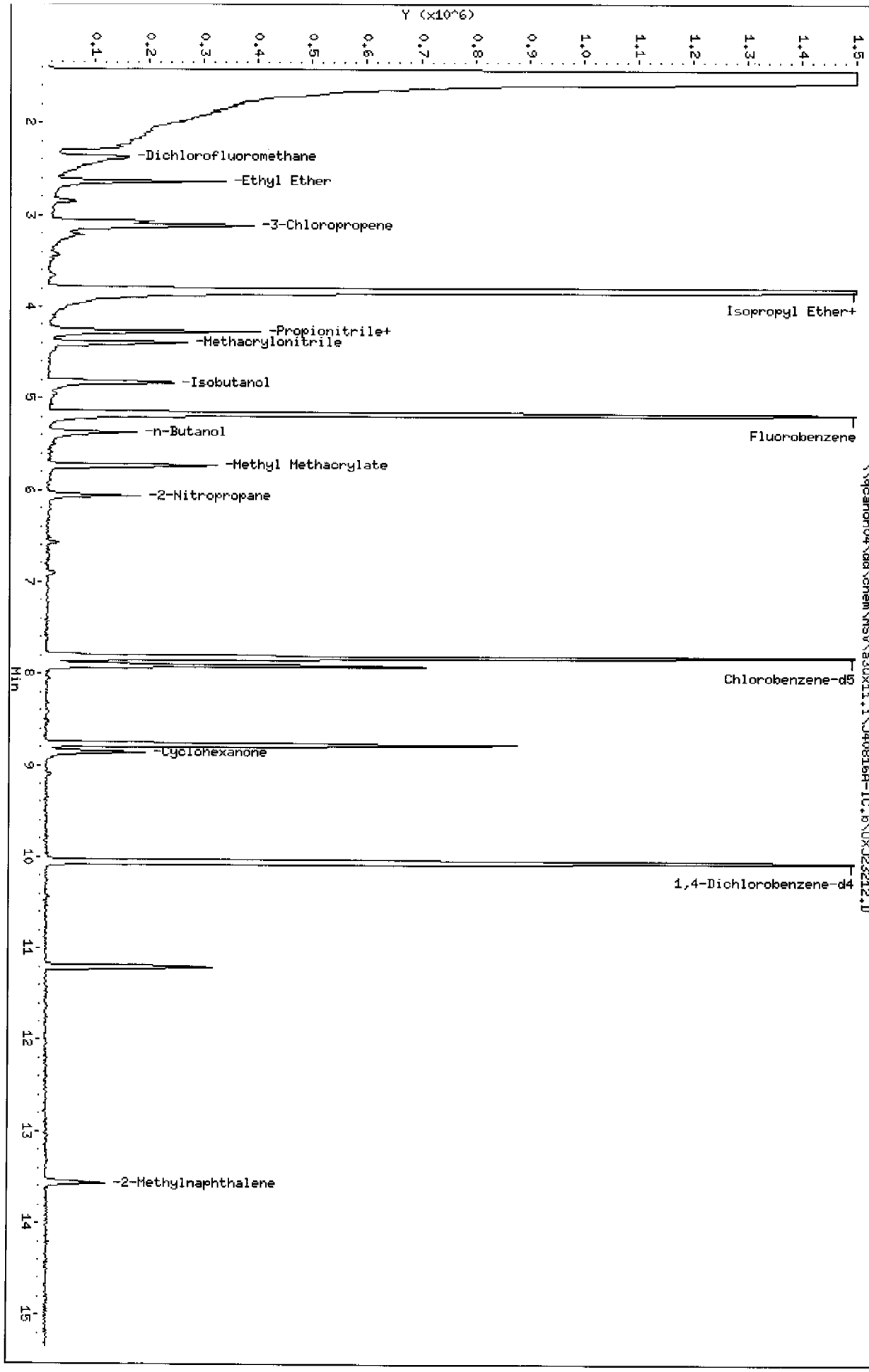
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Report Date: 17-Aug-2004 14:57

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408160-IC.b\UXJ23212.D
Date : 16-AUG-2004 17:26
Client ID:
Sample Info: 25NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23212.D
Report Date: 17-Aug-2004 14:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23212.D
Lab Smp Id: 25NG-A9IC
Inj Date : 16-AUG-2004 17:26
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

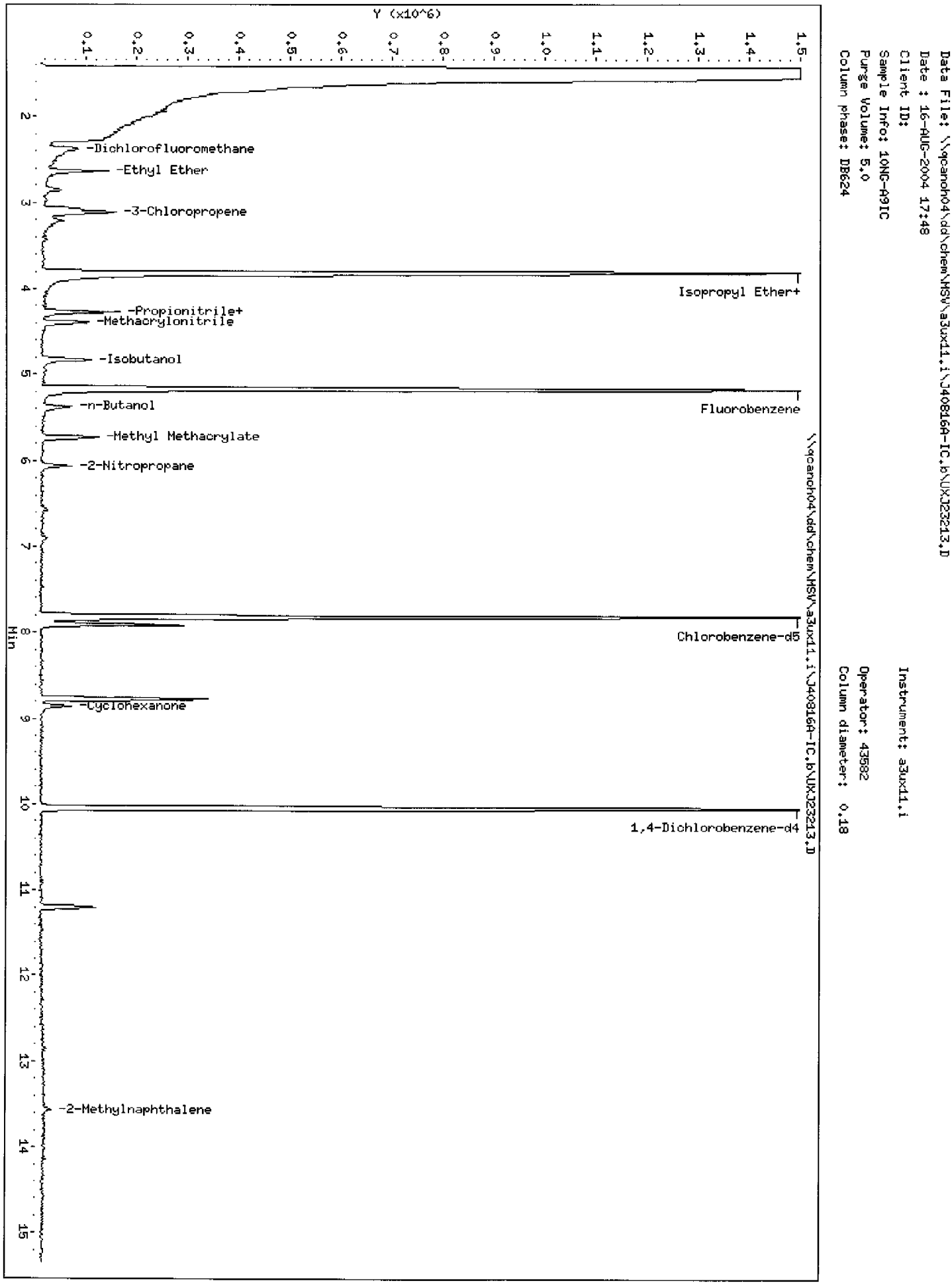
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1894679	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1362249	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	685784	50.0000	
14 Dichlorofluoromethane	67	2.378	2.378	(0.460)	460035	25.0000	25.034
89 Ethyl Ether	59	2.639	2.639	(0.510)	229157	25.0000	24.529
91 3-Chloropropene	76	3.112	3.112	(0.602)	98714	25.0000	25.279
92 Isopropyl Ether	87	3.810	3.810	(0.737)	1062158	125.000	125.40
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	362465	25.0000	25.661
94 Propionitrile	54	4.260	4.260	(0.824)	83549	50.0000	52.114
95 Ethyl Acetate	43	4.272	4.272	(0.826)	467574	50.0000	50.347
96 Methacrylonitrile	41	4.390	4.390	(0.849)	147119	25.0000	24.434
97 Isobutanol	41	4.816	4.816	(0.616)	156732	500.000	503.82(A)
99 n-Butanol	56	5.372	5.372	(0.687)	112573	500.000	502.78(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	175947	25.0000	23.774
101 2-Nitropropane	41	6.059	6.059	(1.172)	117850	50.0000	51.156
103 Cyclohexanone	55	8.851	8.851	(0.881)	91550	250.000	245.65(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	80002	50.0000	23.831

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23212.D
Report Date: 17-Aug-2004 14:58

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408160-IC.b\UXJ23213.D
Date : 16-AUG-2004 17:48
Client ID:
Sample Info: 10NC-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23213.D
Report Date: 17-Aug-2004 14:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23213.D
Lab Smp Id: 10NG-A9IC
Inj Date : 16-AUG-2004 17:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:58 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

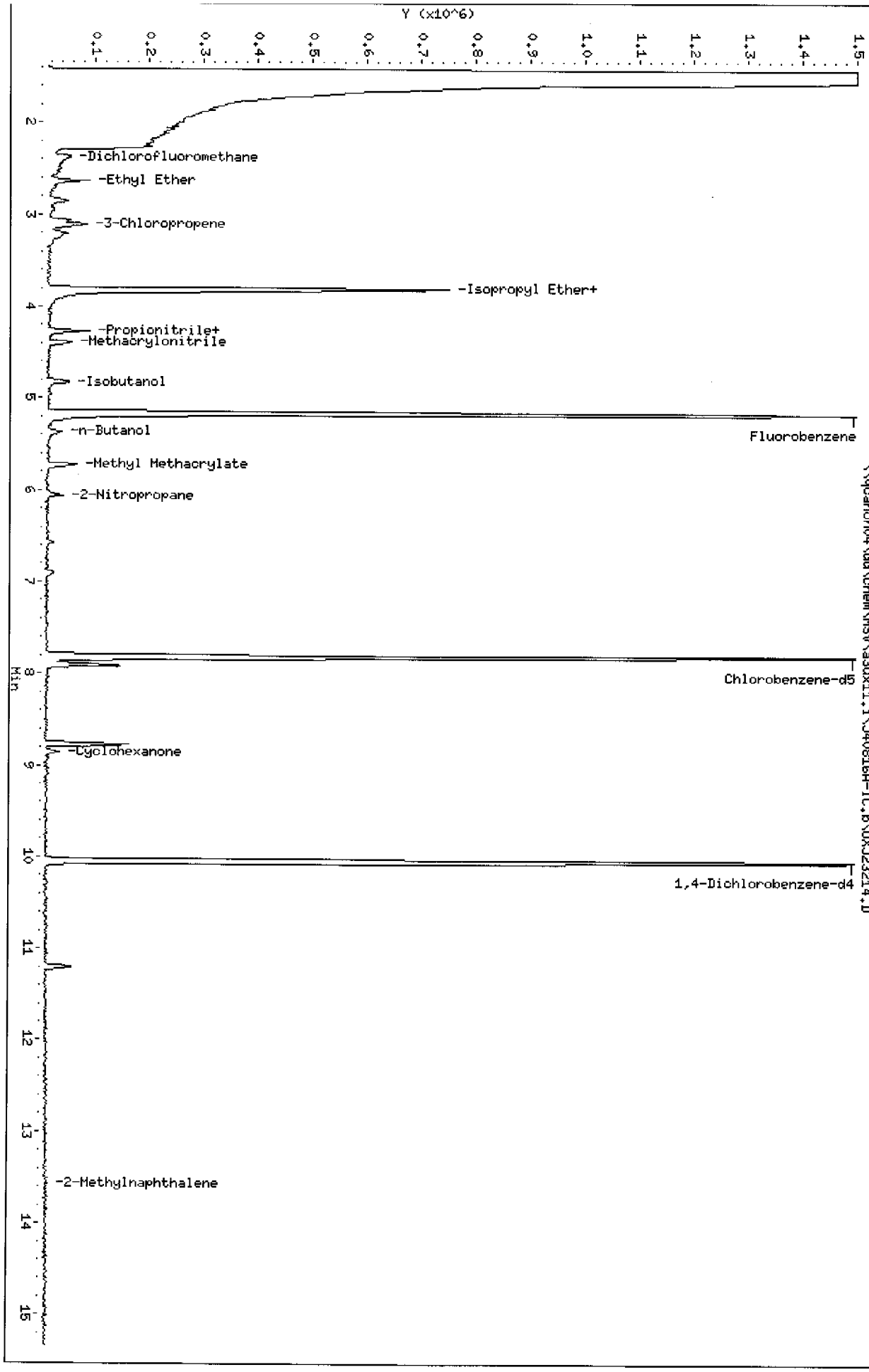
Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1783996	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1312732	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	643754	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	178398	10.0000	10.310
89 Ethyl Ether	59	2.639	2.639	(0.510)	91239	10.0000	10.372
91 3-Chloropropene	76	3.112	3.112	(0.602)	34795	10.0000	9.463
92 Isopropyl Ether	87	3.810	3.810	(0.737)	377202	50.0000	47.294
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	125775	10.0000	9.457
94 Propionitrile	54	4.260	4.260	(0.824)	31372	20.0000	20.782
95 Ethyl Acetate	43	4.272	4.272	(0.826)	170678	20.0000	19.518
96 Methacrylonitrile	41	4.390	4.390	(0.849)	57028	10.0000	10.059
97 Isobutanol	41	4.828	4.828	(0.617)	56016	200.000	186.86
99 n-Butanol	56	5.384	5.384	(0.688)	39656	200.000	183.79
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	62629	10.0000	8.987
101 2-Nitropropane	41	6.059	6.059	(1.172)	44196	20.0000	20.375
103 Cyclohexanone	55	8.851	8.851	(0.881)	29984	100.000	85.706
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	13721	20.0000	4.354

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408164-IC.b\UXJ23214.D
Date : 16-AUG-2004 18:11
Client ID:
Sample Info: 5NC-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23214.D
Report Date: 17-Aug-2004 14:59

STL North Canton

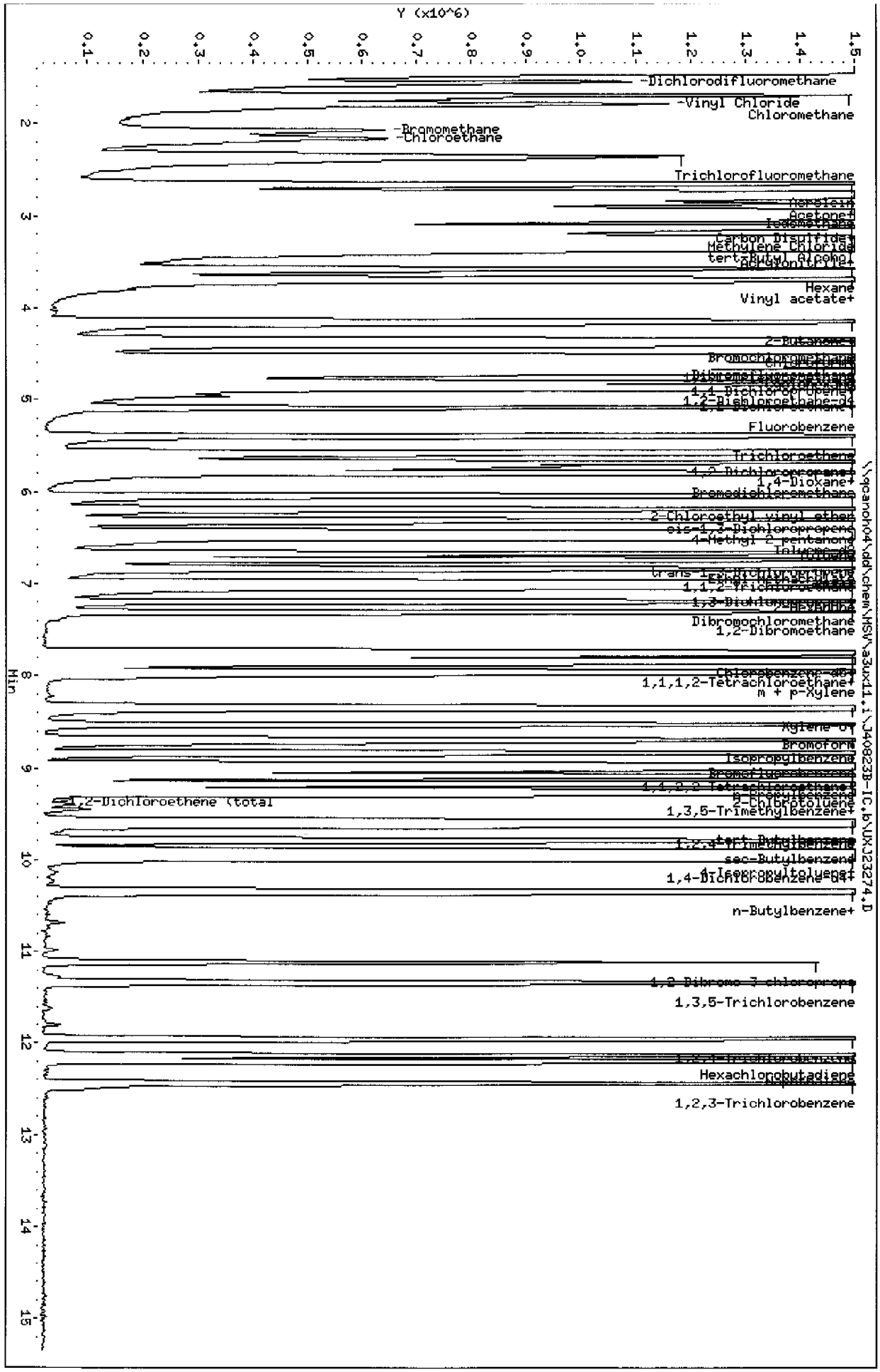
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23214.D
Lab Smp Id: 5NG-A9IC
Inj Date : 16-AUG-2004 18:11
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:59 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1729289	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1295054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	623017	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	79325	5.00000	4.730
89 Ethyl Ether	59	2.639	2.639	(0.510)	46453	5.00000	5.448
91 3-Chloropropene	76	3.112	3.112	(0.602)	14700	5.00000	4.124
92 Isopropyl Ether	87	3.822	3.822	(0.739)	172012	25.0000	22.250
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	57084	5.00000	4.428
94 Propionitrile	54	4.260	4.260	(0.824)	15160	10.0000	10.360
95 Ethyl Acetate	43	4.272	4.272	(0.826)	86994	10.0000	10.263
96 Methacrylonitrile	41	4.390	4.390	(0.849)	26752	5.00000	4.868
97 Isobutanol	41	4.816	4.816	(0.616)	31443	100.000	106.32
99 n-Butanol	56	5.372	5.372	(0.687)	18347	100.000	86.193
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	30951	5.00000	4.582
101 2-Nitropropane	41	6.059	6.059	(1.172)	18407	10.0000	8.754
103 Cyclohexanone	55	8.851	8.851	(0.881)	13502	50.0000	39.878
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1849	10.0000	0.6063


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40823B-IC.b\UX123274.D
Date : 23-AUG-2004 16:17
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane
Vinyl Chloride
Chloromethane
Bromomethane
Chloroethane
Trichlorofluoromethane
Acetone+
Carbon Disulfide+
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Fluorobenzene
Trichloroethene
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
4-Methyl 2-pentanone
Dibromochloromethane
1,2-Dibromoethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Bromoform
Isopropylbenzene
1,2-Dichloroethene (total
2-Chlorotoluene
1,3,5-Trimethylbenzene+
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Report Date: 24-Aug-2004 10:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Lab Smp Id: 200NG-IC
Inj Date : 23-AUG-2004 16:17
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:22 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	2136145	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1668548	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	987820	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	1960833	200.000	195.05
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	2634219	200.000	197.86
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	8227598	200.000	205.82(A)
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	3541913	200.000	209.06(A)
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	1836332	200.000	198.95
9 Chloromethane	50	1.692	1.692	(0.333)	2697411	200.000	199.37
10 Vinyl Chloride	62	1.787	1.787	(0.351)	1943473	200.000	216.09(A)
11 Bromomethane	94	2.071	2.071	(0.407)	711906	200.000	200.37(A)
12 Chloroethane	64	2.154	2.154	(0.423)	1184485	200.000	167.58
13 Trichlorofluoromethane	101	2.355	2.355	(0.463)	2170505	200.000	198.99
15 Acrolein	56	2.651	2.651	(0.521)	3804635	2000.00	1979.2
16 Acetone	43	2.781	2.781	(0.547)	2255436	400.000	419.12(A)
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	2142600	200.000	214.42(A)
18 Freon-113	151	2.781	2.781	(0.547)	1398546	200.000	222.30(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Report Date: 24-Aug-2004 10:22

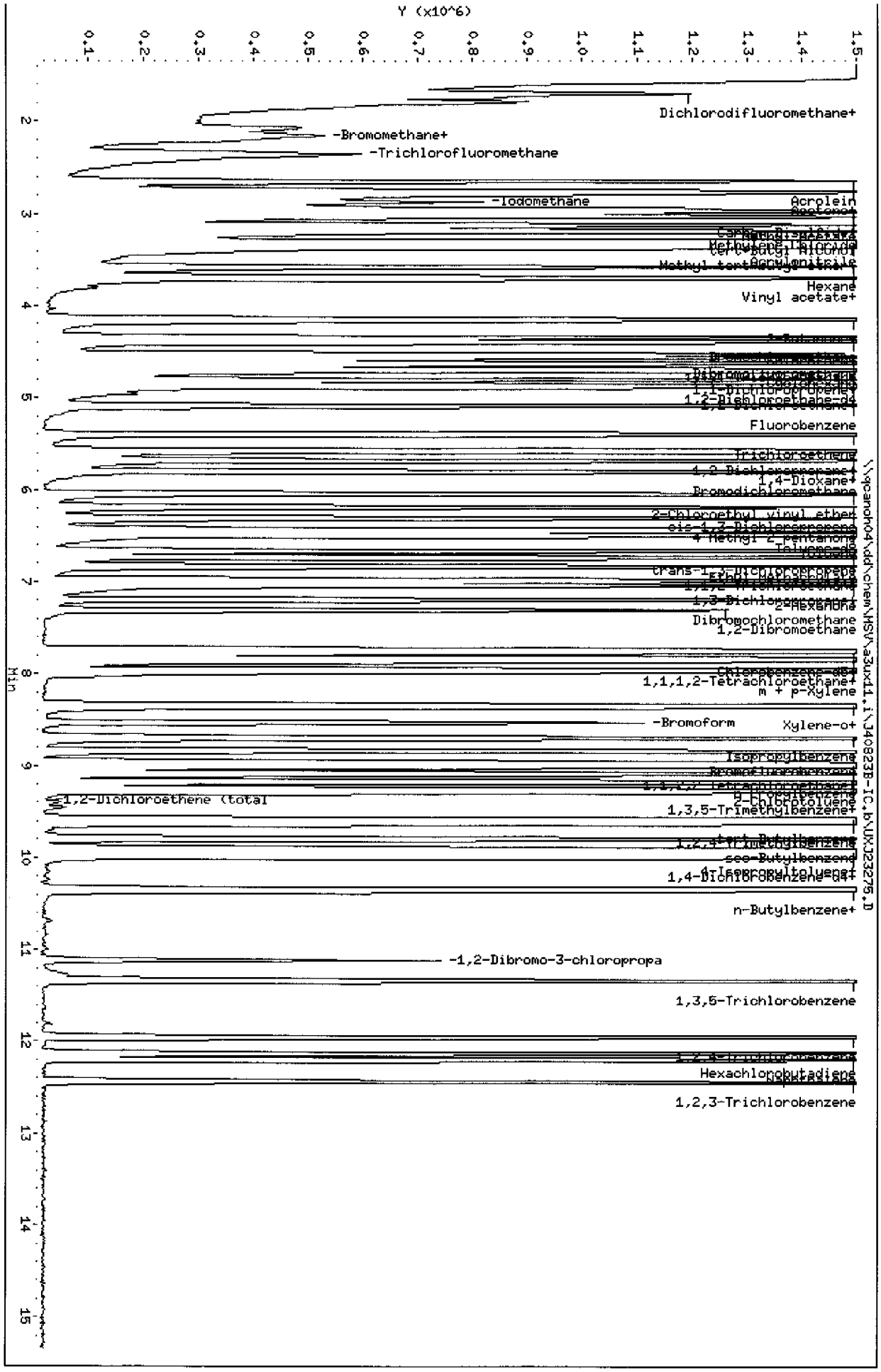
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	2296188	200.000	228.15(A)
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	7373546	200.000	224.61(A)
	21 Methylene Chloride	84	3.124	3.124	(0.614)	2628675	200.000	200.29(A)
	22 Acetonitrile	41	3.006	3.006	(0.591)	3494020	2000.00	2167.7(A)
	23 Acrylonitrile	53	3.302	3.302	(0.649)	9819145	2000.00	2035.3(A)
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	5424757	200.000	219.19(A)
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	2275779	200.000	207.72(A)
	26 Hexane	86	3.574	3.574	(0.702)	399918	200.000	216.04(A)
	27 Vinyl acetate	43	3.704	3.704	(0.728)	4616121	200.000	228.85(A)
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	3957529	200.000	202.64(A)
	29 tert-Butyl Alcohol	59	3.242	3.242	(0.637)	4239573	4000.00	4282.1(A)
	30 2-Butanone	43	4.142	4.142	(0.814)	2712030	400.000	422.66(A)
M	31 1,2-Dichloroethene (total)	96				4639633	400.000	413.89
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	2363854	200.000	206.17(A)
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	1611689	200.000	224.70(A)
	34 Bromochloromethane	128	4.343	4.343	(0.854)	1118964	200.000	191.99
	35 Chloroform	83	4.390	4.390	(0.863)	3959472	200.000	202.48(A)
	36 Tetrahydrofuran	42	4.390	4.390	(0.863)	700129	200.000	200.07(A)
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	2438659	200.000	215.91(A)
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	2861422	200.000	219.89(A)
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	1906416	200.000	230.72(A)
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	3092905	200.000	198.41
	41 Benzene	78	4.863	4.863	(0.956)	9735213	200.000	202.47(A)
	42 Trichloroethene	130	5.396	5.396	(1.060)	2236066	200.000	209.61(A)
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	2371635	200.000	202.56(A)
	44 1,4-Dioxane	88	5.727	5.727	(1.126)	1326429	10000.0	9711.4(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	1373820	200.000	193.70
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	2868708	200.000	218.30(A)
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	2975399	400.000	466.69(A)
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	3760079	200.000	223.25(A)
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	4926219	400.000	446.62(A)
	50 Toluene	91	6.485	6.485	(0.839)	10223439	200.000	216.86(A)
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	3443936	200.000	227.89(A)
	52 Ethyl Methacrylate	69	6.733	6.733	(0.871)	3435426	200.000	199.89
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	2157877	200.000	200.15(A)
	54 1,3-Dichloropropane	76	6.982	6.982	(0.904)	3968168	200.000	204.40(A)
	55 Tetrachloroethene	164	6.993	6.993	(0.905)	1696717	200.000	209.16(A)
	56 2-Hexanone	43	7.041	7.041	(0.911)	4150835	400.000	474.69(A)
	57 Dibromochloromethane	129	7.195	7.195	(0.931)	2098548	200.000	238.97(A)
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	2188738	200.000	209.33(A)
	59 Chlorobenzene	112	7.763	7.763	(1.005)	6592780	200.000	201.83(A)
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.014)	2134006	200.000	213.21(A)
	61 Ethylbenzene	106	7.857	7.857	(1.017)	3507649	200.000	231.73(A)
	62 m + p-Xylene	106	7.964	7.964	(1.031)	9025835	400.000	456.13(A)
M	63 Xylenes (total)	106				13451502	600.000	688.91
	64 Xylene-o	106	8.342	8.342	(1.080)	4425667	200.000	232.77(A)
	65 Styrene	104	8.354	8.354	(1.081)	8151269	200.000	199.91

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Report Date: 24-Aug-2004 10:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.104)	1484556	200.000	199.86
67 Isopropylbenzene	105	8.686	8.686	(1.124)	9664299	200.000	206.15(A)
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	3213845	200.000	192.67
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	1005472	200.000	216.44(A)
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	1027411	200.000	196.09
71 Bromobenzene	156	8.993	8.993	(0.903)	2977010	200.000	207.32(A)
72 n-Propylbenzene	120	9.088	9.088	(0.912)	2819370	200.000	238.42(A)
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	2713346	200.000	220.91(A)
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	9041298	200.000	203.21(A)
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	2952672	200.000	216.47(A)
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	7210591	200.000	240.99(A)
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	9714842	200.000	202.67(A)
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	9829352	200.000	235.30(A)
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	8453569	200.000	205.14(A)
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	5379922	200.000	200.36(A)
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	5593017	200.000	194.78
82 n-Butylbenzene	91	10.330	10.330	(1.037)	7474710	200.000	206.43(A)
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	5206687	200.000	199.52
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	506266	200.000	210.79(A)
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	1909613	200.000	195.38
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	830650	200.000	173.85
87 Naphthalene	128	12.200	12.200	(1.224)	4705098	200.000	189.44
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	1103134	200.000	169.45
98 Cyclohexane	56	4.627	4.627	(0.909)	3358182	200.000	198.88
143 Methyl Acetate	43	3.041	3.041	(0.598)	3619149	400.000	390.72
144 Methylcyclohexane	83	5.573	5.573	(1.095)	2712201	200.000	198.93
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	2737654	200.000	200.07

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40823B-IC.b\UX123275.D
Date : 23-AUG-2004 16:39
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Operator: 43582
Column diameter: 0.18
Instrument: a3ux11.i
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Iodomethane
Acrolein
Acetone
Carbon Disulfide
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile
Methyl tert-Butyl Ether
Hexane
Vinyl acetate+
1,1-Dichloroethane+
1,2-Dichloroethane-d4
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,2-Dichloropropene
4-Methyl-2-pentanone
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J40823B-IC.b\UX123275.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Report Date: 24-Aug-2004 10:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Lab Smp Id: 100NG-IC
Inj Date : 23-AUG-2004 16:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:23 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	2140565	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1702230	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	995746	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	988950	100.000	98.171
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	1247754	100.000	93.526
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	4151533	100.000	101.80
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	1756438	100.000	101.62
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	932093	100.000	105.28
9 Chloromethane	50	1.692	1.692	(0.333)	1548500	100.000	102.78
10 Vinyl Chloride	62	1.787	1.787	(0.351)	928662	100.000	103.04
11 Bromomethane	94	2.071	2.071	(0.407)	373084	100.000	97.868
12 Chloroethane	64	2.154	2.154	(0.423)	746921	100.000	105.46
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	1122799	100.000	104.91
15 Acrolein	56	2.651	2.651	(0.521)	1908569	1000.00	990.82
16 Acetone	43	2.769	2.769	(0.544)	1059897	200.000	190.63
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	1050400	100.000	104.90
18 Freon-113	151	2.769	2.769	(0.544)	730535	100.000	115.88

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Report Date: 24-Aug-2004 10:23

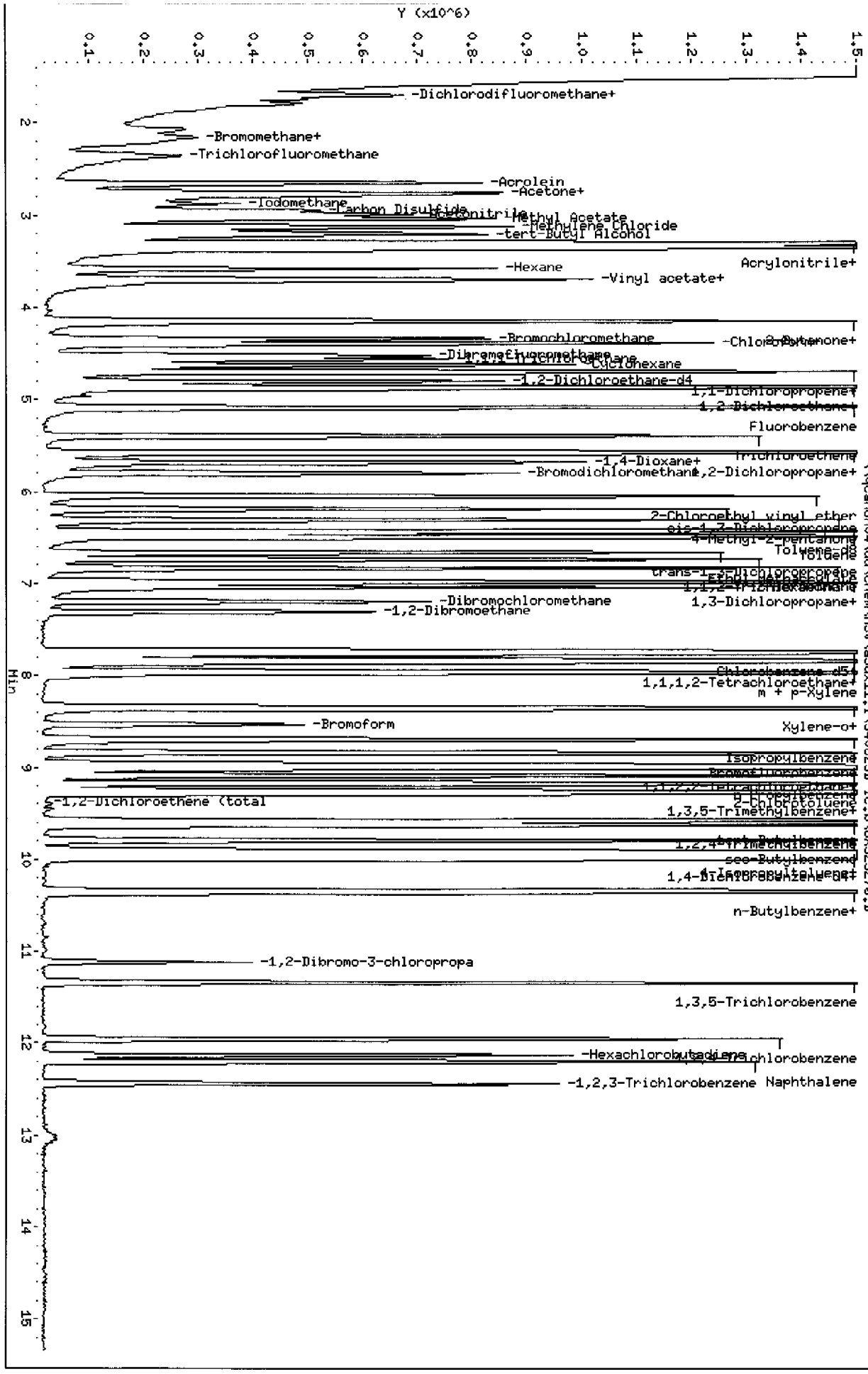
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	986425	100.000	97.809
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	3542489	100.000	107.69
	21 Methylene Chloride	84	3.124	3.124	(0.614)	1376557	100.000	98.733
	22 Acetonitrile	41	2.982	2.982	(0.586)	1460227	1000.00	904.07
	23 Acrylonitrile	53	3.302	3.302	(0.649)	4767826	1000.00	986.24
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	2588917	100.000	104.39
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	1147659	100.000	104.54
	26 Hexane	86	3.574	3.574	(0.702)	213576	100.000	115.14
	27 Vinyl acetate	43	3.704	3.704	(0.728)	2201557	100.000	108.92
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	1984225	100.000	101.39
	29 tert-Butyl Alcohol	59	3.195	3.195	(0.628)	1707659	2000.00	1721.2(A)
	30 2-Butanone	43	4.142	4.142	(0.814)	1281748	200.000	199.34
M	31 1,2-Dichloroethene (total)	96				2328507	200.000	207.31
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	1180848	100.000	102.78
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	783335	100.000	108.98
	34 Bromochloromethane	128	4.343	4.343	(0.854)	570105	100.000	97.614
	35 Chloroform	83	4.390	4.390	(0.863)	2015822	100.000	102.87
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	332478	100.000	94.814
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	1231171	100.000	108.78
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	1461723	100.000	112.09
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	935820	100.000	113.02
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	1534758	100.000	98.250
	41 Benzene	78	4.864	4.864	(0.956)	4988741	100.000	103.54
	42 Trichloroethene	130	5.396	5.396	(1.060)	1120154	100.000	104.79
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	1201219	100.000	102.38
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	700454	5000.00	5117.8(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	707251	100.000	99.513
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	1389671	100.000	105.53
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	1427623	200.000	223.46(A)
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	1834533	100.000	108.70
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	2357887	200.000	213.33(A)
	50 Toluene	91	6.485	6.485	(0.838)	5135603	100.000	106.78
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	1657526	100.000	107.51
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	1674778	100.000	100.64
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	1083268	100.000	98.488
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	1957548	100.000	98.840
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	841522	100.000	101.68
	56 2-Hexanone	43	7.041	7.041	(0.910)	1938925	200.000	217.35(A)
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	971807	100.000	108.47
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	1079293	100.000	101.18
	59 Chlorobenzene	112	7.763	7.763	(1.003)	3333514	100.000	100.03
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	1029680	100.000	100.84
	61 Ethylbenzene	106	7.857	7.857	(1.015)	1705077	100.000	110.42
	62 m + p-Xylene	106	7.964	7.964	(1.029)	4447921	200.000	220.33(A)
M	63 Xylenes (total)	106				6606871	300.000	331.64
	64 Xylene-o	106	8.342	8.342	(1.078)	2158950	100.000	111.31
	65 Styrene	104	8.354	8.354	(1.080)	4029766	100.000	100.56

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Report Date: 24-Aug-2004 10:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	646046	100.000	101.10
67 Isopropylbenzene	105	8.686	8.686	(1.122)	4757371	100.000	100.82
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	1624721	100.000	96.627
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	476777	100.000	101.82
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	504001	100.000	95.426
71 Bromobenzene	156	8.993	8.993	(0.903)	1469866	100.000	101.55
72 n-Propylbenzene	120	9.088	9.088	(0.912)	1371678	100.000	115.08
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	1347193	100.000	108.81
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	4494308	100.000	101.40
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	1440412	100.000	104.76
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	3475893	100.000	115.24
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	4797861	100.000	100.49
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	4927756	100.000	117.03
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	4142498	100.000	100.99
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	2694896	100.000	99.565
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	2829557	100.000	97.754
82 n-Butylbenzene	91	10.330	10.330	(1.037)	3654646	100.000	101.42
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	2629492	100.000	99.962
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	250576	100.000	103.50
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	1065538	100.000	108.15
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	489886	100.000	101.71
87 Naphthalene	128	12.200	12.200	(1.224)	2708547	100.000	108.98
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	714419	100.000	108.87
98 Cyclohexane	56	4.627	4.627	(0.909)	1713126	100.000	105.49
143 Methyl Acetate	43	3.029	3.029	(0.595)	1803026	200.000	194.25
144 Methylcyclohexane	83	5.573	5.573	(1.095)	1389342	100.000	105.27
141 1,3,5-Trichlorobenzene	180	11.348	11.348	(1.139)	1394364	100.000	101.09

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanon04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Date : 23-AUG-2004 17:02
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform
2-Butanone+
-Dibromofluoromethane
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene+
-1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene+
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
Naphthalene
\\qcanon04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Report Date: 24-Aug-2004 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Lab Smp Id: 50NG-IC
Inj Date : 23-AUG-2004 17:02
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:23 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	2139869	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1672632	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	965854	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	487638	50.0000	48.422
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	618436	50.0000	46.370
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	2059989	50.0000	51.405
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	858012	50.0000	50.521
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	331907	50.0000	41.055
9 Chloromethane	50	1.692	1.692	(0.333)	767618	50.0000	46.602
10 Vinyl Chloride	62	1.787	1.787	(0.351)	420014	50.0000	46.619
11 Bromomethane	94	2.071	2.071	(0.407)	209960	50.0000	52.115
12 Chloroethane	64	2.154	2.154	(0.423)	359411	50.0000	50.761
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	424813	50.0000	42.677
15 Acrolein	56	2.651	2.651	(0.521)	978544	500.000	508.17
16 Acetone	43	2.769	2.769	(0.544)	525718	100.000	88.968
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	428514	50.0000	42.809
18 Freon-113	151	2.769	2.769	(0.544)	268148	50.0000	42.548

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Report Date: 24-Aug-2004 10:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	475851	50.0000	47.198
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	1439667	50.0000	43.778
	21 Methylene Chloride	84	3.124	3.124	(0.614)	741969	50.0000	49.787
	22 Acetonitrile	41	2.994	2.994	(0.588)	814650	500.000	504.54
	23 Acrylonitrile	53	3.302	3.302	(0.649)	2399106	500.000	496.42
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1226889	50.0000	49.487
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	510599	50.0000	46.523
	26 Hexane	86	3.574	3.574	(0.702)	76174	50.0000	41.078
	27 Vinyl acetate	43	3.704	3.704	(0.728)	1038806	50.0000	51.410
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	921633	50.0000	47.109
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	916676	1000.00	924.26
	30 2-Butanone	43	4.142	4.142	(0.814)	608841	100.000	94.720
M	31 1,2-Dichloroethene (total)	96				1066888	100.000	94.957
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	556289	50.0000	48.434
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	323744	50.0000	45.057
	34 Bromochloromethane	128	4.343	4.343	(0.854)	282440	50.0000	48.376
	35 Chloroform	83	4.390	4.390	(0.863)	947460	50.0000	48.367
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	169158	50.0000	48.255
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	498978	50.0000	44.100
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	575137	50.0000	44.120
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	352532	50.0000	42.590
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	769933	50.0000	49.304
	41 Benzene	78	4.864	4.864	(0.956)	2272845	50.0000	47.188
	42 Trichloroethene	130	5.396	5.396	(1.060)	501436	50.0000	46.923
	43 1,2-Dichloropropane	63	5.574	5.574	(1.095)	575222	50.0000	49.044
	44 1,4-Dioxane	88	5.692	5.692	(1.119)	352166	2500.00	2573.9(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	336705	50.0000	47.391
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	650248	50.0000	49.395
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	678528	100.000	106.24
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	861239	50.0000	51.046
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	1104146	100.000	99.929
	50 Toluene	91	6.485	6.485	(0.838)	2327160	50.0000	49.244
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	778043	50.0000	51.358
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	773247	50.0000	49.401
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	543842	50.0000	50.320
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	960122	50.0000	49.336
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	366611	50.0000	45.083
	56 2-Hexanone	43	7.041	7.041	(0.910)	883778	100.000	100.82
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	435438	50.0000	49.464
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	536201	50.0000	51.156
	59 Chlorobenzene	112	7.763	7.763	(1.003)	1578811	50.0000	48.215
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	491963	50.0000	49.032
	61 Ethylbenzene	106	7.857	7.857	(1.015)	757598	50.0000	49.928
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1968899	100.000	99.258
M	63 Xylenes (total)	106				2963526	150.000	151.44
	64 Xylene-o	106	8.342	8.342	(1.078)	994627	50.0000	52.186
	65 Styrene	104	8.354	8.354	(1.080)	1870598	50.0000	49.277

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Report Date: 24-Aug-2004 10:24

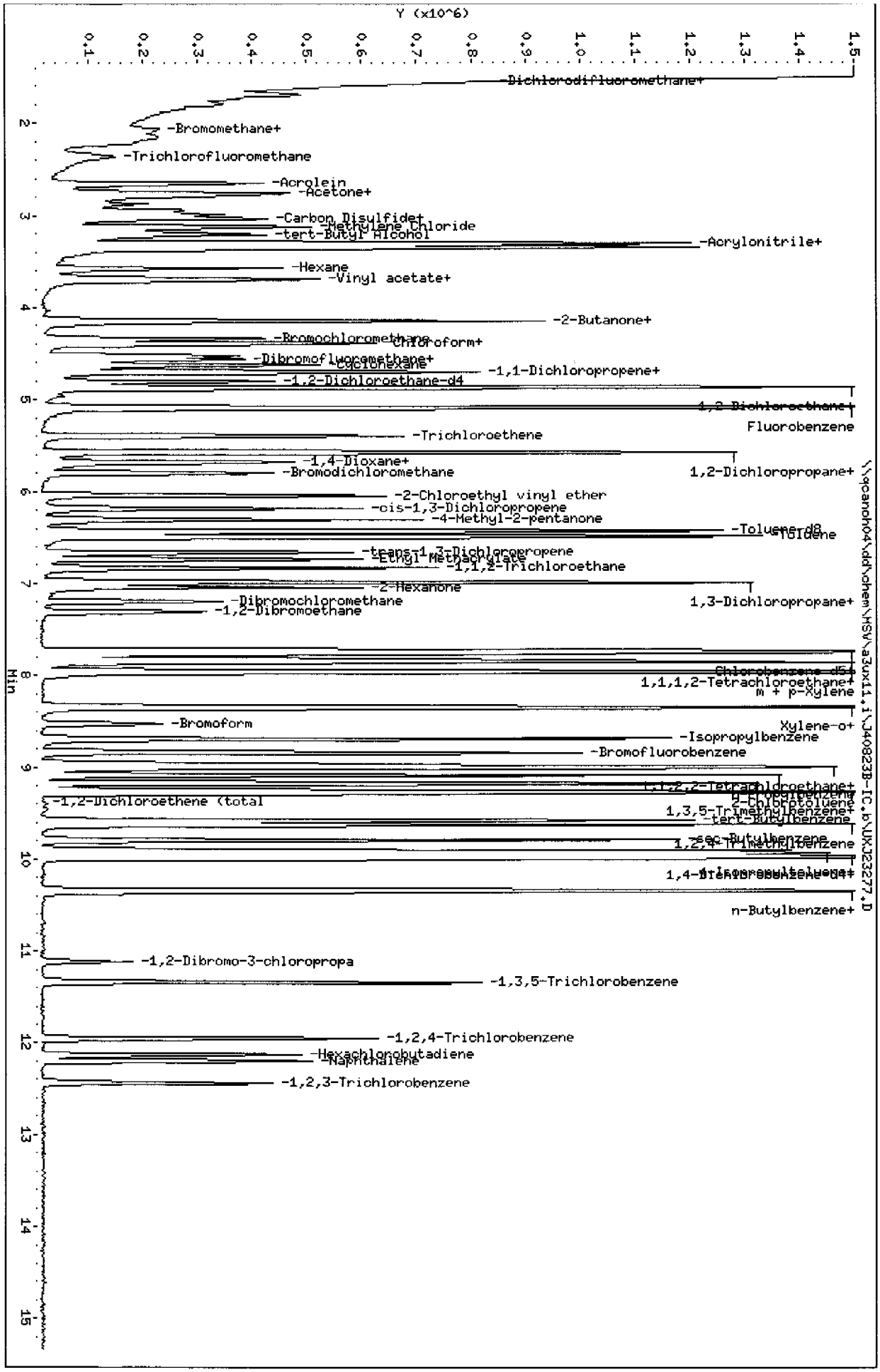
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	280334	50.0000	48.412
67 Isopropylbenzene	105	8.686	8.686	(1.122)	1930853	50.0000	43.175
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	827759	50.0000	50.753
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	241805	50.0000	53.236
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	258403	50.0000	50.439
71 Bromobenzene	156	8.993	8.993	(0.903)	709490	50.0000	50.533
72 n-Propylbenzene	120	9.088	9.088	(0.912)	584144	50.0000	50.523
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	610600	50.0000	50.844
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	1937493	50.0000	46.374
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	687227	50.0000	51.529
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	1400713	50.0000	47.878
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	2156696	50.0000	47.824
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	1939029	50.0000	47.474
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	1718200	50.0000	44.600
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	1289786	50.0000	49.127
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1379211	50.0000	49.123
82 n-Butylbenzene	91	10.330	10.330	(1.037)	1430683	50.0000	42.419
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1296822	50.0000	50.825
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	124622	50.0000	53.067
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	506727	50.0000	53.025
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	219734	50.0000	47.034
87 Naphthalene	128	12.200	12.200	(1.224)	1246179	50.0000	52.665
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	368330	50.0000	57.866
98 Cyclohexane	56	4.627	4.627	(0.909)	590383	50.0000	40.414
143 Methyl Acetate	43	3.029	3.029	(0.595)	895354	100.000	96.493
144 Methylcyclohexane	83	5.574	5.574	(1.095)	495840	50.0000	41.170
141 1,3,5-Trichlorobenzene	180	11.348	11.348	(1.139)	652581	50.0000	48.776

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Date : 23-AUG-2004 17:24
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



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Report Date: 24-Aug-2004 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Lab Smp Id: 25NG-IC
Inj Date : 23-AUG-2004 17:24
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:24 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	2081796	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1608563	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	943190	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	244235	25.0000	24.929
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	336557	25.0000	25.939
$ 6 Toluene-d8	98	6.426	6.426	(0.830)	983937	25.0000	25.531
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	415441	25.0000	25.436
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	152547	25.0000	21.961
9 Chloromethane	50	1.704	1.704	(0.335)	414081	25.0000	24.306
10 Vinyl Chloride	62	1.787	1.787	(0.351)	199684	25.0000	22.782
11 Bromomethane	94	2.071	2.071	(0.407)	111071	25.0000	26.244
12 Chloroethane	64	2.166	2.166	(0.426)	186345	25.0000	27.052
13 Trichlorofluoromethane	101	2.331	2.331	(0.458)	177616	25.0000	21.099
15 Acrolein	56	2.651	2.651	(0.521)	472718	250.000	252.34
16 Acetone	43	2.769	2.769	(0.544)	292849	50.0000	46.178
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	225281	25.0000	23.134
18 Freon-113	151	2.769	2.769	(0.544)	142024	25.0000	23.164

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Report Date: 24-Aug-2004 10:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	241773	25.0000	24.650
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	728674	25.0000	22.776
	21 Methylene Chloride	84	3.124	3.124	(0.614)	427982	25.0000	27.012
	22 Acetonitrile	41	2.994	2.994	(0.588)	370435	250.000	235.82
	23 Acrylonitrile	53	3.302	3.302	(0.649)	1178963	250.000	250.76
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	580929	25.0000	24.086
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	258001	25.0000	24.164
	26 Hexane	86	3.574	3.574	(0.702)	41273	25.0000	22.878
	27 Vinyl acetate	43	3.704	3.704	(0.728)	492512	25.0000	25.054
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	463644	25.0000	24.360
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	453246	500.000	469.75
	30 2-Butanone	43	4.142	4.142	(0.814)	300388	50.0000	48.036
M	31 1,2-Dichloroethene (total)	96				533497	50.0000	48.819
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	275496	25.0000	24.656
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	165222	25.0000	23.636
	34 Bromochloromethane	128	4.343	4.343	(0.854)	146295	25.0000	25.756
	35 Chloroform	83	4.390	4.390	(0.863)	468688	25.0000	24.594
	36 Tetrahydrofuran	42	4.390	4.390	(0.863)	82720	25.0000	24.255
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	261522	25.0000	23.758
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	291939	25.0000	23.020
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	180239	25.0000	22.382
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	383335	25.0000	25.232
	41 Benzene	78	4.864	4.864	(0.956)	1136064	25.0000	24.244
	42 Trichloroethene	130	5.396	5.396	(1.060)	247432	25.0000	23.800
	43 1,2-Dichloropropane	63	5.574	5.574	(1.095)	279701	25.0000	24.513
	44 1,4-Dioxane	88	5.704	5.704	(1.121)	150363	1250.00	1129.6(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	171653	25.0000	24.834
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	320027	25.0000	24.988
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	309805	50.0000	49.861
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	408227	25.0000	24.871
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.239)	523506	50.0000	48.701
	50 Toluene	91	6.485	6.485	(0.838)	1149891	25.0000	25.301
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	358998	25.0000	24.641
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	343719	25.0000	24.266
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	260966	25.0000	25.108
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	470740	25.0000	25.152
	55 Tetrachloroethene	164	6.994	6.994	(0.904)	182807	25.0000	23.376
	56 2-Hexanone	43	7.041	7.041	(0.910)	419570	50.0000	49.772
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	205652	25.0000	24.292
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	253171	25.0000	25.116
	59 Chlorobenzene	112	7.763	7.763	(1.003)	785941	25.0000	24.958
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	236239	25.0000	24.483
	61 Ethylbenzene	106	7.857	7.857	(1.015)	351407	25.0000	24.081
	62 m + p-Xylene	106	7.964	7.964	(1.029)	953925	50.0000	50.006
M	63 Xylenes (total)	106				1416996	75.0000	75.270
	64 Xylene-o	106	8.342	8.342	(1.078)	463071	25.0000	25.264
	65 Styrene	104	8.354	8.354	(1.080)	860042	25.0000	24.853

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Report Date: 24-Aug-2004 10:24

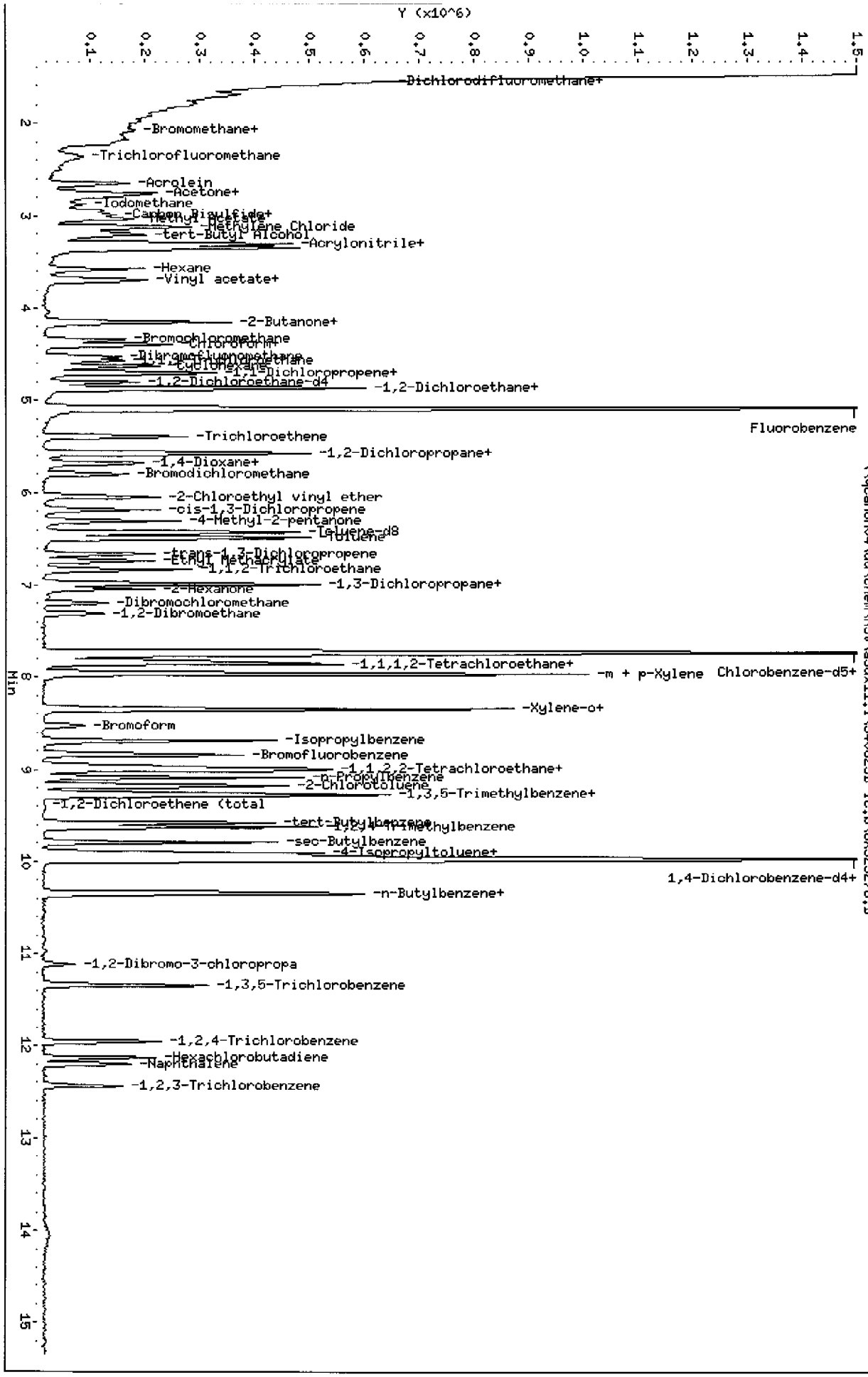
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	127171	25.0000	24.375
67 Isopropylbenzene	105	8.686	8.686	(1.122)	898447	25.0000	22.237
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	390276	25.0000	24.504
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	104441	25.0000	23.546
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	124118	25.0000	24.809
71 Bromobenzene	156	8.993	8.993	(0.903)	342793	25.0000	25.002
72 n-Propylbenzene	120	9.088	9.088	(0.912)	269244	25.0000	23.846
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	295585	25.0000	25.204
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	884301	25.0000	22.927
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	332779	25.0000	25.552
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	648222	25.0000	22.690
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	978641	25.0000	23.475
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	908295	25.0000	22.773
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	787676	25.0000	22.247
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	642234	25.0000	25.050
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	662078	25.0000	24.148
82 n-Butylbenzene	91	10.330	10.330	(1.037)	656579	25.0000	21.259
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	623485	25.0000	25.023
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	56599	25.0000	24.680
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	227280	25.0000	24.355
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	106016	25.0000	23.238
87 Naphthalene	128	12.200	12.200	(1.224)	490992	25.0000	22.353
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	156804	25.0000	25.226
98 Cyclohexane	56	4.627	4.627	(0.909)	284402	25.0000	22.911
143 Methyl Acetate	43	3.029	3.029	(0.595)	440271	50.0000	48.772
144 Methylcyclohexane	83	5.574	5.574	(1.095)	236124	25.0000	22.838
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	316511	25.0000	24.226

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Date : 23-AUG-2004 17:47
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



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Report Date: 24-Aug-2004 10:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Lab Smp Id: 10NG-IC
Inj Date : 23-AUG-2004 17:47
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Smp Info : 10NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,2
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Meth Date : 24-Aug-2004 10:25 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	2015648	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1577693	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	892920	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	96953	10.0000	10.221
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	131254	10.0000	10.448
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	363972	10.0000	9.629
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	154038	10.0000	9.616
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	76444	10.0000	13.664
9 Chloromethane	50	1.692	1.692	(0.333)	190904	10.0000	10.532
10 Vinyl Chloride	62	1.787	1.787	(0.351)	86128	10.0000	10.149
11 Bromomethane	94	2.071	2.071	(0.407)	47836	10.0000	9.539
12 Chloroethane	64	2.166	2.166	(0.426)	77640	10.0000	11.641
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	90983	10.0000	13.444
15 Acrolein	56	2.651	2.651	(0.521)	179662	100.000	99.051
16 Acetone	43	2.769	2.769	(0.544)	132720	20.0000	15.685
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	100433	10.0000	10.652
18 Freon-113	151	2.793	2.793	(0.549)	59105	10.0000	9.956

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Report Date: 24-Aug-2004 10:25

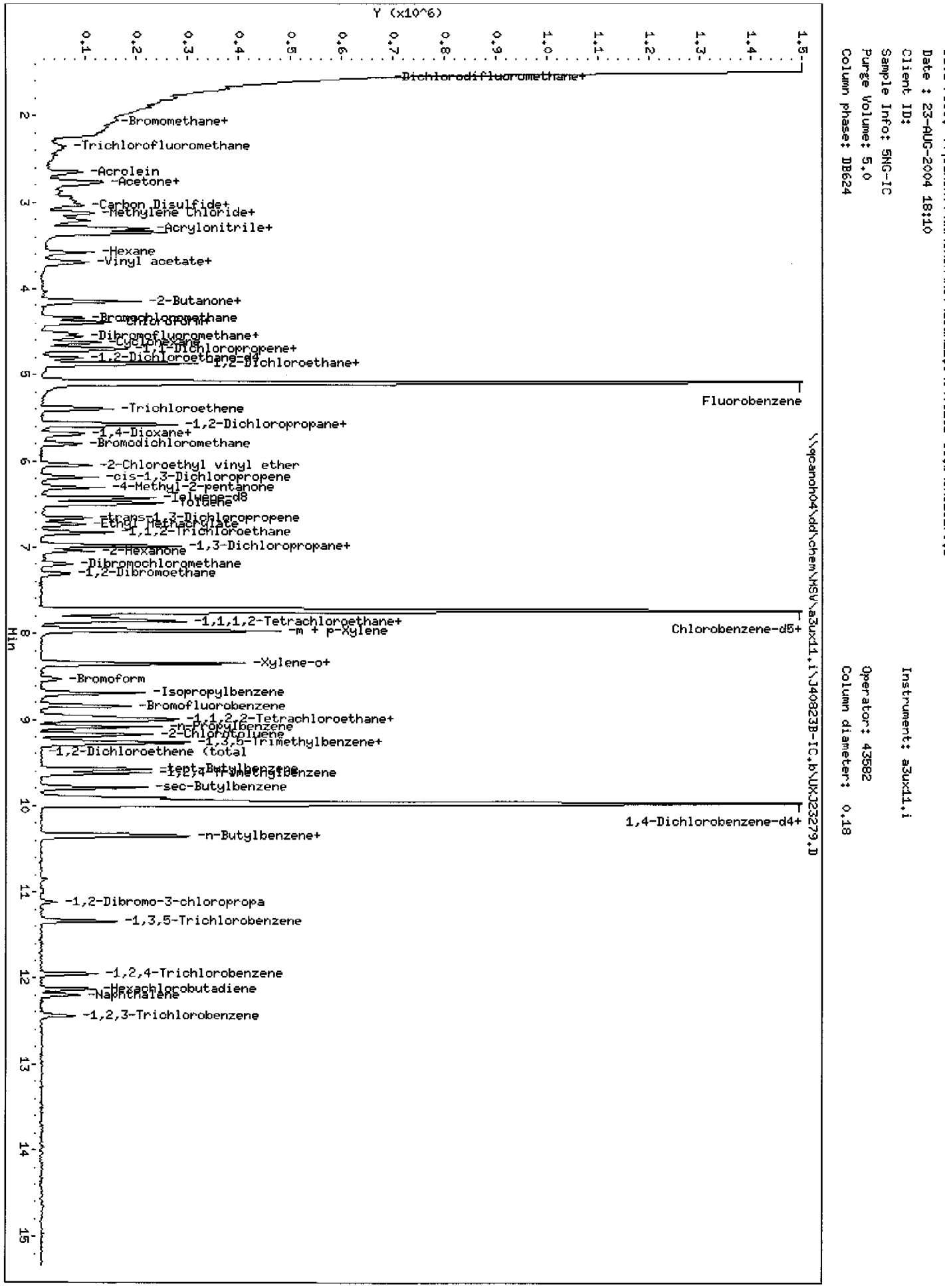
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	93774	10.0000	9.874
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	291390	10.0000	9.407
	21 Methylene Chloride	84	3.124	3.124	(0.614)	228705	10.0000	12.336
	22 Acetonitrile	41	2.994	2.994	(0.588)	149972	100.000	98.607
	23 Acrylonitrile	53	3.301	3.301	(0.649)	453201	100.000	99.556
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	216169	10.0000	9.257
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	95614	10.0000	9.249
	26 Hexane	86	3.574	3.574	(0.702)	16622	10.0000	9.516
	27 Vinyl acetate	43	3.704	3.704	(0.728)	171580	10.0000	9.015
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	187136	10.0000	10.155
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	189143	200.000	202.46
	30 2-Butanone	43	4.142	4.142	(0.814)	112025	20.0000	18.502
M	31 1,2-Dichloroethene (total)	96				197547	20.0000	18.671
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	101933	10.0000	9.422
	33 2,2-Dichloropropane	77	4.153	4.153	(0.816)	63052	10.0000	9.316
	34 Bromochloromethane	128	4.343	4.343	(0.854)	52907	10.0000	9.620
	35 Chloroform	83	4.390	4.390	(0.863)	181680	10.0000	9.846
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	32544	10.0000	9.856
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	98684	10.0000	9.259
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	116525	10.0000	9.490
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	75650	10.0000	9.702
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	139279	10.0000	9.469
	41 Benzene	78	4.863	4.863	(0.956)	437156	10.0000	9.635
	42 Trichloroethene	130	5.396	5.396	(1.060)	95835	10.0000	9.521
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	104521	10.0000	9.461
	44 1,4-Dioxane	88	5.692	5.692	(1.119)	66773	500.000	518.10(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	67302	10.0000	10.056
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	112952	10.0000	9.109
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	99284	20.0000	16.504
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	138872	10.0000	8.738
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	185776	20.0000	17.850
	50 Toluene	91	6.485	6.485	(0.839)	407505	10.0000	9.142
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	126410	10.0000	8.846
	52 Ethyl Methacrylate	69	6.733	6.733	(0.871)	117083	10.0000	9.965
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	95718	10.0000	9.389
	54 1,3-Dichloropropane	76	6.982	6.982	(0.904)	174182	10.0000	9.489
	55 Tetrachloroethene	164	6.993	6.993	(0.905)	77874	10.0000	10.153
	56 2-Hexanone	43	7.041	7.041	(0.911)	144373	20.0000	17.461
	57 Dibromochloromethane	129	7.195	7.195	(0.931)	73083	10.0000	8.802
	58 1,2-Dibromoethane	107	7.313	7.313	(0.946)	93242	10.0000	9.431
	59 Chlorobenzene	112	7.762	7.762	(1.005)	298983	10.0000	9.680
	60 1,1,1,2-Tetrachloroethane	131	7.833	7.833	(1.014)	89995	10.0000	9.509
	61 Ethylbenzene	106	7.857	7.857	(1.017)	125297	10.0000	8.754
	62 m + p-Xylene	106	7.964	7.964	(1.031)	327579	20.0000	17.508
M	63 Xylenes (total)	106				475454	30.0000	25.734
	64 Xylene-o	106	8.342	8.342	(1.080)	147875	10.0000	8.226
	65 Styrene	104	8.354	8.354	(1.081)	277235	10.0000	9.688

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Report Date: 24-Aug-2004 10:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.104)	46315	10.0000	10.358
67 Isopropylbenzene	105	8.685	8.685	(1.124)	318892	10.0000	9.712
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	151951	10.0000	10.078
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	36447	10.0000	8.680
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	44634	10.0000	9.424
71 Bromobenzene	156	8.993	8.993	(0.903)	124145	10.0000	9.564
72 n-Propylbenzene	120	9.088	9.088	(0.912)	93096	10.0000	8.710
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	99567	10.0000	8.968
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	294386	10.0000	9.587
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	112014	10.0000	9.085
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	227597	10.0000	8.415
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	316554	10.0000	9.561
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	328091	10.0000	8.689
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	271290	10.0000	9.665
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	235768	10.0000	9.714
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	264382	10.0000	10.186
82 n-Butylbenzene	91	10.330	10.330	(1.037)	238045	10.0000	9.682
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	227681	10.0000	9.652
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	20558	10.0000	9.469
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	84286	10.0000	9.540
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	43755	10.0000	10.131
87 Naphthalene	128	12.200	12.200	(1.224)	166132	10.0000	9.179
88 1,2,3-Trichlorobenzene	180	12.436	12.436	(1.248)	55930	10.0000	9.504
98 Cyclohexane	56	4.627	4.627	(0.909)	109000	10.0000	12.495
143 Methyl Acetate	43	3.029	3.029	(0.595)	182395	20.0000	20.868
144 Methylcyclohexane	83	5.573	5.573	(1.095)	95718	10.0000	12.588
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	116689	10.0000	9.434

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Date : 23-AUG-2004 18:10
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Report Date: 24-Aug-2004 10:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Lab Smp Id: 5NG-IC
Inj Date : 23-AUG-2004 18:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:26 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 18:10 Cal File: UXJ23279.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1958067	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1534317	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	851165	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	48625	5.00000	5.277
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	65027	5.00000	5.328
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	172897	5.00000	4.703
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	73922	5.00000	4.745
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	36234	5.00000	9.093
9 Chloromethane	50	1.680	1.680	(0.330)	122572	5.00000	6.408
10 Vinyl Chloride	62	1.787	1.787	(0.351)	42482	5.00000	5.153
11 Bromomethane	94	2.071	2.071	(0.407)	26490	5.00000	3.861
12 Chloroethane	64	2.166	2.166	(0.426)	27409	5.00000	4.230
13 Trichlorofluoromethane	101	2.331	2.331	(0.458)	41476	5.00000	8.881
15 Acrolein	56	2.651	2.651	(0.521)	88397	50.0000	50.168
16 Acetone	43	2.781	2.781	(0.547)	120906	10.0000	14.016
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	47268	5.00000	5.161
18 Freon-113	151	2.793	2.793	(0.549)	27581	5.00000	4.783

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Report Date: 24-Aug-2004 10:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	44455	5.00000	4.819
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	161417	5.00000	5.364
	21 Methylene Chloride	84	3.124	3.124	(0.614)	92069	5.00000	1.842
	22 Acetonitrile	41	3.006	3.006	(0.591)	79311	50.0000	53.681
	23 Acrylonitrile	53	3.302	3.302	(0.649)	222136	50.0000	50.232
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	111308	5.00000	4.906
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	54942	5.00000	5.471
	26 Hexane	86	3.574	3.574	(0.702)	9164	5.00000	5.401
	27 Vinyl acetate	43	3.704	3.704	(0.728)	77169	5.00000	4.174
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	93165	5.00000	5.204
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	108248	100.000	119.28
	30 2-Butanone	43	4.142	4.142	(0.814)	65498	10.0000	11.136
M	31 1,2-Dichloroethene (total)	96				109816	10.0000	10.692
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	54874	5.00000	5.221
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	33152	5.00000	5.042
	34 Bromochloromethane	128	4.343	4.343	(0.854)	29494	5.00000	5.521
	35 Chloroform	83	4.390	4.390	(0.863)	91697	5.00000	5.116
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	18133	5.00000	5.653
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	55621	5.00000	5.372
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	61280	5.00000	5.137
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	37828	5.00000	4.994
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	77391	5.00000	5.416
	41 Benzene	78	4.864	4.864	(0.956)	236933	5.00000	5.376
	42 Trichloroethene	130	5.396	5.396	(1.060)	51902	5.00000	5.308
	43 1,2-Dichloropropane	63	5.574	5.574	(1.095)	56660	5.00000	5.279
	44 1,4-Dioxane	88	5.704	5.704	(1.121)	32421	250.000	258.96(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	35416	5.00000	5.448
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	57510	5.00000	4.774
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	48575	10.0000	8.312
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	70025	5.00000	4.536
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	96153	10.0000	9.510
	50 Toluene	91	6.485	6.485	(0.838)	203040	5.00000	4.684
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	61706	5.00000	4.440
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	52469	5.00000	5.835
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	52778	5.00000	5.324
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	93530	5.00000	5.239
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	40482	5.00000	5.427
	56 2-Hexanone	43	7.041	7.041	(0.910)	68330	10.0000	8.498
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	35501	5.00000	4.396
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	46666	5.00000	4.854
	59 Chlorobenzene	112	7.763	7.763	(1.003)	159182	5.00000	5.299
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	46694	5.00000	5.073
	61 Ethylbenzene	106	7.857	7.857	(1.015)	62632	5.00000	4.500
	62 m + p-Xylene	106	7.964	7.964	(1.029)	161926	10.0000	8.899
M	63 Xylenes (total)	106				235898	15.0000	13.130
	64 Xylene-o	106	8.342	8.342	(1.078)	73972	5.00000	4.231
	65 Styrene	104	8.354	8.354	(1.080)	125797	5.00000	5.710

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Report Date: 24-Aug-2004 10:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	21197	5.00000	5.898
67 Isopropylbenzene	105	8.686	8.686	(1.122)	156112	5.00000	6.184
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	76709	5.00000	5.337
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	20516	5.00000	5.125
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	25322	5.00000	5.609
71 Bromobenzene	156	8.993	8.993	(0.903)	60675	5.00000	4.904
72 n-Propylbenzene	120	9.088	9.088	(0.912)	41870	5.00000	4.109
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	46856	5.00000	4.427
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	135032	5.00000	5.833
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	53410	5.00000	4.544
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	120652	5.00000	4.680
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	138364	5.00000	5.651
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	166277	5.00000	4.620
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	129750	5.00000	6.080
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	121078	5.00000	5.233
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	133817	5.00000	5.408
82 n-Butylbenzene	91	10.330	10.330	(1.037)	124298	5.00000	6.433
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	114689	5.00000	5.100
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	9474	5.00000	4.578
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	40122	5.00000	4.764
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	25327	5.00000	6.152
87 Naphthalene	128	12.200	12.200	(1.224)	78594	5.00000	5.488
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	26566	5.00000	4.736
98 Cyclohexane	56	4.627	4.627	(0.909)	64262	5.00000	9.808
143 Methyl Acetate	43	3.029	3.029	(0.595)	90693	10.0000	10.682
144 Methylcyclohexane	83	5.574	5.574	(1.095)	50439	5.00000	9.206
141 1,3,5-Trichlorobenzene	180	11.348	11.348	(1.139)	64892	5.00000	5.504

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Misc Info: J40823B,8260LLUX11,2-8260.SUB,43582,3

Client SDG: SDGa00780
Fraction: VOA

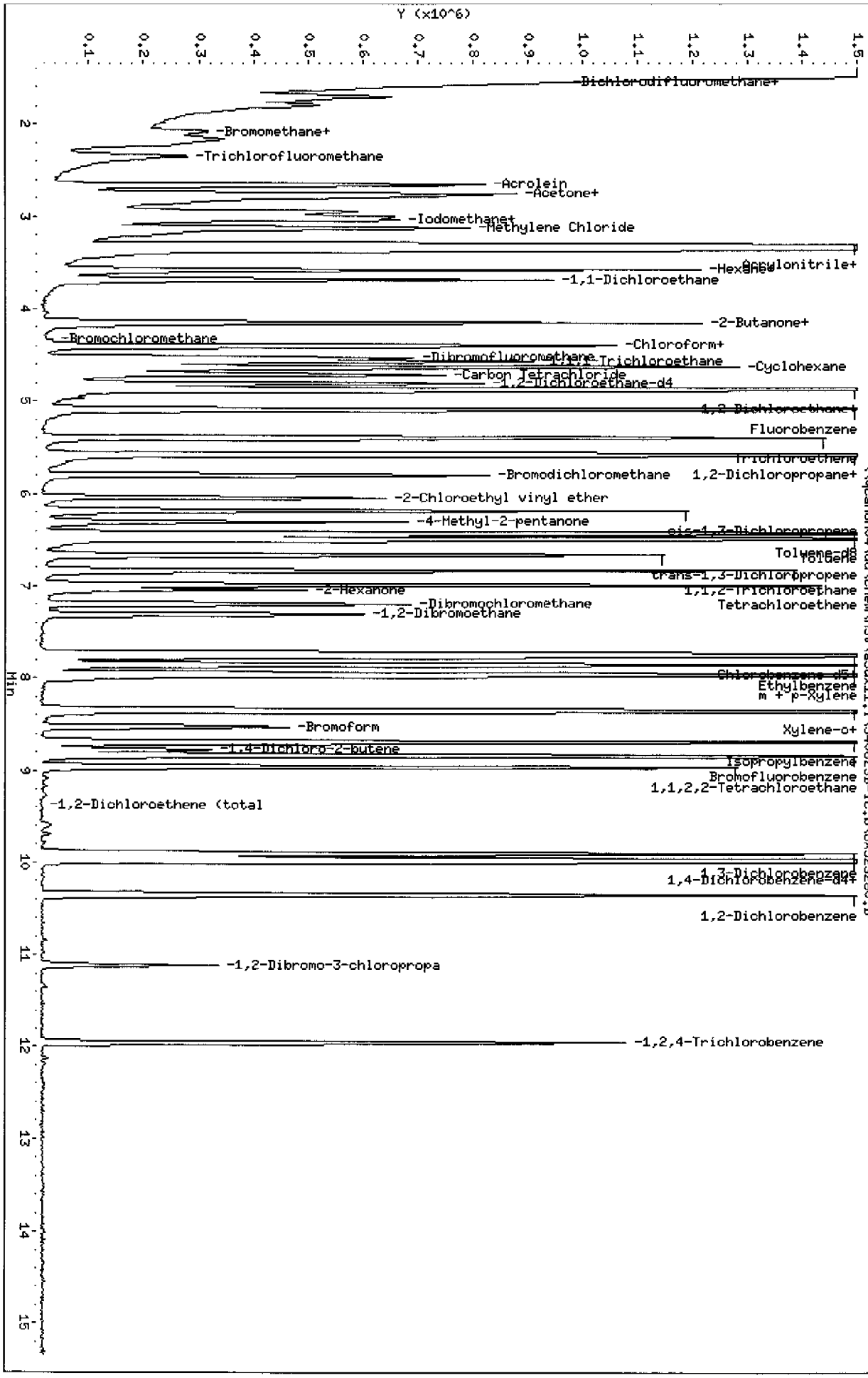
Operator: 43582
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	11.033	110.33	45-155
	42 Trichloroethene	10.000	11.048	110.48	45-155
	59 Chlorobenzene	10.000	10.209	102.09	45-155
	50 Toluene	10.000	10.972	109.72	45-155
	41 Benzene	10.000	10.378	103.78	45-155
	16 Acetone	10.000	6.987	69.87	45-155
	20 Carbon Disulfide	10.000	11.826	118.26	45-155
	9 Chloromethane	10.000	9.014	90.14	45-155
	11 Bromomethane	10.000	10.541	105.41	45-155
	10 Vinyl Chloride	10.000	11.554	115.54	45-155
	12 Chloroethane	10.000	11.661	116.61	45-155
	21 Methylene Chloride	10.000	9.208	92.08	45-155
	28 1,1-Dichloroethane	10.000	10.788	107.88	45-155
M	31 1,2-Dichloroethene	20.000	20.946	104.73	45-155
	35 Chloroform	10.000	10.368	103.68	45-155
	40 1,2-Dichloroethane	10.000	10.204	102.04	45-155
	30 2-Butanone	10.000	8.119	81.19	45-155
	37 1,1,1-Trichloroeth	10.000	11.093	110.93	45-155
	39 Carbon Tetrachlori	10.000	11.614	116.14	45-155
	46 Bromodichlorometha	10.000	10.215	102.15	45-155
	43 1,2-Dichloropropan	10.000	10.262	102.62	45-155
	48 cis-1,3-Dichloropr	10.000	9.997	99.97	45-155
	57 Dibromochlorometha	10.000	10.162	101.62	45-155
	53 1,1,2-Trichloroeth	10.000	9.922	99.22	45-155
	51 trans-1,3-Dichloro	10.000	10.008	100.08	45-155
	66 Bromoform	10.000	9.899	98.99	45-155
	49 4-Methyl-2-pentano	10.000	9.257	92.57	45-155
	56 2-Hexanone	10.000	8.094	80.94	45-155
	55 Tetrachloroethene	10.000	10.860	108.60	45-155
	68 1,1,2,2-Tetrachlor	10.000	10.522	105.22	45-155
	61 Ethylbenzene	10.000	10.931	109.31	45-155
	65 Styrene	10.000	10.006	100.06	45-155
M	63 Xylenes (total)	30.000	33.480	111.60	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	9.843	98.43	45-155
25 trans-1,2-Dichloro	10.000	11.103	111.03	45-155
8 Dichlorodifluorome	10.000	13.037	130.37	45-155
13 Trichlorofluoromet	10.000	13.064	130.64	45-155
18 Freon-113	10.000	13.975	139.75	45-155
24 Methyl tert-butyl	10.000	10.196	101.96	45-155
58 1,2-Dibromoethane	10.000	10.355	103.55	45-155
67 Isopropylbenzene	10.000	10.692	106.92	45-155
80 1,3-Dichlorobenzen	10.000	9.928	99.28	45-155
81 1,4-Dichlorobenzen	10.000	10.318	103.18	45-155
83 1,2-Dichlorobenzen	10.000	10.250	102.50	45-155
84 1,2-Dibromo-3-chlo	10.000	10.514	105.14	45-155
85 1,2,4-Trichloroben	10.000	9.593	95.93	45-155
98 Cyclohexane	10.000	10.575	105.75	45-155
143 Methyl Acetate	10.000	10.267	102.67	45-155
144 Methylcyclohexane	10.000	10.500	105.00	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.770	97.70	73-122
$ 5 1,2-Dichloroethane	10.000	9.283	92.83	61-128
$ 6 Toluene-d8	10.000	10.250	102.50	76-110
$ 7 Bromofluorobenzene	10.000	10.232	102.32	74-116


Data File: \\qcanon04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Date : 23-AUG-2004 18:33
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
Bromomethane+
Trichlorofluoromethane
Acrolein
Acetone+
Iodomethane+
Methylene Chloride
Hexane
Acrylonitrile+
1,1-Dichloroethane
2-Butanone+
Bromochloromethane
Chloroform+
Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
Carbon Tetrachloride
1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
2-Hexanone
1,1,2-Trichloroethane
Dibromochloromethane
Tetrachloroethene
1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
Bromoform
Xylene-o+
1,4-Dichloro-2-butene
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
\\qcanon04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Lab Smp Id: ICV
Inj Date : 23-AUG-2004 18:33
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:26 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 18:10 Cal File: UXJ23279.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	2055792	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1599532	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.964	(1.000)	862566	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	472629	48.8515	9.770
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	594710	46.4151	9.283
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1964007	51.2499	10.250
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	830900	51.1605	10.232
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	533457	65.1836	13.037
9 Chloromethane	50	1.692	1.680	(0.333)	715538	45.0700	9.014
10 Vinyl Chloride	62	1.787	1.787	(0.351)	500018	57.7685	11.554
11 Bromomethane	94	2.083	2.071	(0.409)	203774	52.7039	10.541
12 Chloroethane	64	2.154	2.166	(0.423)	396620	58.3071	11.661
13 Trichlorofluoromethane	101	2.343	2.331	(0.461)	652162	65.3218	13.064
15 Acrolein	56	2.651	2.651	(0.521)	1021262	552.045	110.41
16 Acetone	43	2.781	2.781	(0.547)	232468	34.9337	6.987
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	530493	55.1649	11.033
18 Freon-113	151	2.781	2.793	(0.547)	423075	69.8764	13.975

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.923	2.876	(0.574)	31115	3.21244	0.6425
	20 Carbon Disulfide	76	2.946	2.947	(0.579)	1868213	59.1326	11.826
	21 Methylene Chloride	84	3.124	3.124	(0.614)	665372	46.0393	9.208
	22 Acetonitrile	41	3.006	3.006	(0.591)	886604	571.561	114.31
	23 Acrylonitrile	53	3.301	3.302	(0.649)	2325695	500.917	100.18
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1214202	50.9783	10.196
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	585358	55.5162	11.103
	26 Hexane	86	3.574	3.574	(0.702)	106949	60.0328	12.006
	27 Vinyl acetate	43	3.574	3.704	(0.702)	374448	19.2892	3.858
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	1013773	53.9377	10.788
	29 tert-Butyl Alcohol	59	3.041	3.207	(0.598)	36562	38.3724	7.674
	30 2-Butanone	43	4.142	4.142	(0.814)	250690	40.5961	8.119
M	31 1,2-Dichloroethene (total)	96				1128420	104.732	20.946
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	543062	49.2163	9.843
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	4.331	4.343	(0.851)	5800	1.03404	0.2068
	35 Chloroform	83	4.390	4.390	(0.863)	975569	51.8391	10.368
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	8617	2.55867	0.5117
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	602921	55.4659	11.093
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	461784	58.0701	11.614
	40 1,2-Dichloroethane	62	4.863	4.864	(0.956)	765450	51.0220	10.204
	41 Benzene	78	4.863	4.864	(0.956)	2401224	51.8921	10.378
	42 Trichloroethene	130	5.396	5.396	(1.060)	567136	55.2415	11.048
	43 1,2-Dichloropropane	63	5.573	5.574	(1.095)	578185	51.3128	10.262
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.680	5.680	(1.116)	8782	1.28662	0.2573
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	645946	51.0752	10.215
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	306631	49.9745	9.995
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	810188	49.9844	9.997
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	491304	46.2834	9.257
	50 Toluene	91	6.484	6.485	(0.838)	2479346	54.8618	10.972
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	724951	50.0400	10.008
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	512713	49.6075	9.922
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	422245	54.2976	10.860
	56 2-Hexanone	43	7.041	7.041	(0.910)	339267	40.4729	8.094
	57 Dibromochloromethane	129	7.194	7.195	(0.930)	427738	50.8103	10.162
	58 1,2-Dibromoethane	107	7.313	7.301	(0.945)	518982	51.7763	10.355
	59 Chlorobenzene	112	7.762	7.763	(1.003)	1598392	51.0441	10.209
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	793082	54.6551	10.931
	62 m + p-Xylene	106	7.964	7.964	(1.029)	2127317	112.146	22.429
M	63 Xylenes (total)	106				3134363	167.398	33.480
	64 Xylene-o	106	8.342	8.342	(1.078)	1007046	55.2525	11.050
	65 Styrene	104	8.354	8.354	(1.080)	1817694	50.0275	10.006

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	274639	49.4963	9.899
67 Isopropylbenzene	105	8.685	8.686	(1.122)	2314705	53.4624	10.692
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	766286	52.6096	10.522
69 1,4-Dichloro-2-butene	53	8.780	9.017	(0.881)	8637	2.12923	0.4258
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	1163956	49.6430	9.928
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1293585	51.5903	10.318
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1167763	51.2477	10.250
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	110257	52.5726	10.514
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	409373	47.9674	9.593
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	772004	52.8772	10.575
143 Methyl Acetate	43	3.041	3.029	(0.598)	457640	51.3374	10.267
144 Methylcyclohexane	83	5.573	5.574	(1.095)	627174	52.5023	10.500
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
23-AUG-2004 18:10	2-8260	UXJ23279.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
23-AUG-2004 17:47	2-8260	UXJ23278.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
23-AUG-2004 17:24	2-8260	UXJ23277.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
23-AUG-2004 17:02	2-8260	UXJ23276.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
23-AUG-2004 16:39	2-8260	UXJ23275.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
23-AUG-2004 16:17	2-8260	UXJ23274.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

03-SEP-2004 08:14	2-8260	UXJ23728.D
03-SEP-2004 08:37	3-IX	UXJ23729.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 03-Sep-2004 15:11

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 03-SEP-2004 08:14
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.23531	0.24533	0.010	4.3	50.0	
$	5 1,2-Dichloroethane-d4	0.31163	0.34108	0.010	9.5	50.0	
$	6 Toluene-d8	1.19792	1.27449	0.010	6.4	50.0	
$	7 Bromofluorobenzene	0.50768	0.51359	0.010	1.2	50.0	
	8 Dichlorodifluoromethane	50.00000	61.70788	0.010	-23.4	50.0	
	9 Chloromethane	0.42224	0.33578	0.100	-20.5	50.0	
	10 Vinyl Chloride	0.21052	0.24809	0.010	17.8	20.0	
	11 Bromomethane	50.00000	61.18814	0.010	-22.4	50.0	
	12 Chloroethane	0.16544	0.21327	0.010	28.9	50.0	
	13 Trichlorofluoromethane	50.00000	68.59328	0.010	-37.2	50.0	
	15 Acrolein	0.04499	0.04302	0.010	-4.4	50.0	
	16 Acetone	100	75.38800	0.010	24.6	50.0	
	17 1,1-Dichloroethene	0.23389	0.23417	0.010	0.1	20.0	
	18 Freon-113	0.14726	0.13610	0.010	-7.6	50.0	
	19 Iodomethane	0.23557	0.29896	0.010	26.9	50.0	
	20 Carbon Disulfide	0.76841	0.94825	0.010	23.4	50.0	
	21 Methylene Chloride	50.00000	51.82336	0.010	-3.6	50.0	
	22 Acetonitrile	0.03773	0.03365	0.010	-10.8	50.0	
	23 Acrylonitrile	0.11292	0.10367	0.010	-8.2	50.0	
	24 Methyl tert-butyl ether	0.57929	0.65320	0.010	12.8	50.0	
	25 trans-1,2-Dichloroethene	0.25644	0.27457	0.010	7.1	50.0	
	26 Hexane	0.04333	0.03321	0.010	-23.4	20.0	<-
	27 Vinyl acetate	0.47214	0.41743	0.010	-11.6	50.0	
	28 1,1-Dichloroethane	0.45713	0.47638	0.100	4.2	50.0	
	29 tert-Butyl Alcohol	0.02317	0.01563	0.010	-32.6	50.0	
	30 2-Butanone	0.15019	0.11127	0.010	-25.9	50.0	
M	31 1,2-Dichloroethene (total)	0.26241	0.27317	0.010	4.1	50.0	
	32 cis-1,2-dichloroethene	0.26837	0.27178	0.010	1.3	50.0	
	33 2,2-Dichloropropane	0.16789	0.16855	0.010	0.4	50.0	
	34 Bromochloromethane	0.13642	0.13969	0.010	2.4	50.0	
	35 Chloroform	0.45771	0.50220	0.010	9.7	20.0	
	36 Tetrahydrofuran	0.08191	0.07310	0.010	-10.8	50.0	
	37 1,1,1-Trichloroethane	0.26438	0.29524	0.010	11.7	50.0	
	38 1,1-Dichloropropene	0.30459	0.30804	0.010	1.1	50.0	
	39 Carbon Tetrachloride	0.19341	0.24483	0.010	26.6	50.0	
	40 1,2-Dichloroethane	0.36488	0.40471	0.010	10.9	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\J40903A.D\UXJ23728.D
Report Date: 03-Sep-2004 15:11

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

Injection Date: 03-SEP-2004 08:14
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.12544	1.14728	0.010	1.9	50.0	
	42 Trichloroethene	0.24970	0.25683	0.010	2.9	50.0	
	43 1,2-Dichloropropane	0.27405	0.26930	0.010	-1.7	20.0	
	44 1,4-Dioxane	0.00320	0.00235	0.010	-26.6	50.0	<-
	45 Dibromomethane	0.16601	0.16445	0.010	-0.9	50.0	
	46 Bromodichloromethane	0.30759	0.36723	0.010	19.4	50.0	
	47 2-Chloroethyl vinyl ether	0.14923	0.13696	0.010	-8.2	50.0	
	48 cis-1,3-Dichloropropene	0.39422	0.40987	0.010	4.0	50.0	
	49 4-Methyl-2-pentanone	0.25818	0.22504	0.010	-12.8	50.0	
	50 Toluene	1.41268	1.54307	0.010	9.2	20.0	
	51 trans-1,3-Dichloropropene	0.45286	0.48343	0.010	6.7	50.0	
	52 Ethyl Methacrylate	50.00000	44.48619	0.010	11.0	50.0	
	53 1,1,2-Trichloroethane	0.32308	0.33736	0.010	4.4	50.0	
	54 1,3-Dichloropropane	0.58174	0.59496	0.010	2.3	50.0	
	55 Tetrachloroethene	0.24309	0.25212	0.010	3.7	50.0	
	56 2-Hexanone	0.26203	0.19770	0.010	-24.6	50.0	
	57 Dibromochloromethane	0.26315	0.33302	0.010	26.6	50.0	
	58 1,2-Dibromoethane	0.31333	0.31449	0.010	0.4	50.0	
	59 Chlorobenzene	0.97885	0.98561	0.300	0.7	50.0	
	60 1,1,1,2-Tetrachloroethane	0.29993	0.35211	0.010	17.4	50.0	
	61 Ethylbenzene	0.45359	0.48406	0.010	6.7	20.0	
	62 m + p-Xylene	0.59296	0.64719	0.010	9.1	50.0	
M	63 Xylenes (total)	0.58522	0.63846	0.010	9.1	50.0	
	64 Xylene-o	0.56974	0.62101	0.010	9.0	50.0	
	65 Styrene	50.00000	50.42930	0.010	-0.9	50.0	
	66 Bromoform	0.17047	0.23283	0.100	36.6	50.0	
	67 Isopropylbenzene	50.00000	47.47763	0.010	5.0	50.0	
	68 1,1,2,2-Tetrachloroethane	0.84431	0.73922	0.300	-12.4	50.0	
	69 1,4-Dichloro-2-butene	0.23514	0.12157	0.010	-48.3	50.0	
	70 1,2,3-Trichloropropane	0.26521	0.24399	0.010	-8.0	50.0	
	71 Bromobenzene	0.72683	0.69810	0.010	-4.0	50.0	
	72 n-Propylbenzene	0.59854	0.62829	0.010	5.0	50.0	
	73 2-Chlorotoluene	0.62169	0.63231	0.010	1.7	50.0	
	74 1,3,5-Trimethylbenzene	50.00000	47.90950	0.010	4.2	50.0	
	75 4-Chlorotoluene	0.69041	0.68906	0.010	-0.2	50.0	
	76 tert-Butylbenzene	1.51449	1.44491	0.010	-4.6	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 03-Sep-2004 15:11

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 03-SEP-2004 08:14
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	48.03431	0.010	3.9	50.0
78 sec-Butylbenzene	2.11439	1.99115	0.010	-5.8	50.0
79 4-Isopropyltoluene	50.00000	44.79566	0.010	10.4	50.0
80 1,3-Dichlorobenzene	1.35912	1.30415	0.010	-4.0	50.0
81 1,4-Dichlorobenzene	1.45347	1.39329	0.010	-4.1	50.0
82 n-Butylbenzene	50.00000	40.90950	0.010	18.2	50.0
83 1,2-Dichlorobenzene	1.32086	1.28748	0.010	-2.5	50.0
84 1,2-Dibromo-3-chloropropane	0.12157	0.10517	0.010	-13.5	50.0
85 1,2,4-Trichlorobenzene	0.49471	0.40155	0.010	-18.8	50.0
86 Hexachlorobutadiene	0.24185	0.19420	0.010	-19.7	50.0
87 Naphthalene	50.00000	32.65449	0.010	34.7	50.0
88 1,2,3-Trichlorobenzene	0.32951	0.29283	0.010	-11.1	50.0
98 Cyclohexane	50.00000	41.02254	0.010	18.0	50.0
143 Methyl Acetate	0.21681	0.19570	0.010	-9.7	50.0
144 Methylcyclohexane	50.00000	38.76210	0.010	22.5	50.0
141 1,3,5-Trichlorobenzene	0.69260	0.61485	0.010	-11.2	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 03-Sep-2004 15:13

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

Injection Date: 03-SEP-2004 08:14
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.23531	0.24533	0.010	4.3	50.0	
$	5 1,2-Dichloroethane-d4	0.31163	0.34108	0.010	9.5	50.0	
$	6 Toluene-d8	1.19792	1.27449	0.010	6.4	50.0	
$	7 Bromofluorobenzene	0.50768	0.51359	0.010	1.2	50.0	
	8 Dichlorodifluoromethane	50.00000	61.70788	0.010	-23.4	50.0	
	9 Chloromethane	50.00000	43.31331	0.100	13.4	50.0	
	10 Vinyl Chloride	0.21052	0.24809	0.010	17.8	20.0	
	11 Bromomethane	50.00000	61.18814	0.010	-22.4	50.0	
	12 Chloroethane	0.16544	0.21327	0.010	28.9	50.0	
	13 Trichlorofluoromethane	50.00000	68.59328	0.010	-37.2	50.0	
	15 Acrolein	0.04499	0.04302	0.010	-4.4	50.0	
	16 Acetone	100	75.38800	0.010	24.6	50.0	
	17 1,1-Dichloroethene	0.23389	0.23417	0.010	0.1	20.0	
	18 Freon-113	0.14726	0.13610	0.010	-7.6	50.0	
	19 Iodomethane	0.23557	0.29896	0.010	26.9	50.0	
	20 Carbon Disulfide	0.76841	0.94825	0.010	23.4	50.0	
	21 Methylene Chloride	50.00000	51.82336	0.010	-3.6	50.0	
	22 Acetonitrile	0.03773	0.03365	0.010	-10.8	50.0	
	23 Acrylonitrile	0.11292	0.10367	0.010	-8.2	50.0	
	24 Methyl tert-butyl ether	0.57929	0.65320	0.010	12.8	50.0	
	25 trans-1,2-Dichloroethene	0.25644	0.27457	0.010	7.1	50.0	
	26 Hexane	0.04333	0.03321	0.010	-23.4	20.0	<-
	27 Vinyl acetate	0.47214	0.41743	0.010	-11.6	50.0	
	28 1,1-Dichloroethane	0.45713	0.47638	0.100	4.2	50.0	
	29 tert-Butyl Alcohol	0.02317	0.01563	0.010	-32.6	50.0	
	30 2-Butanone	0.15019	0.11127	0.010	-25.9	50.0	
M	31 1,2-Dichloroethene (total)	0.26241	0.27317	0.010	4.1	50.0	
	32 cis-1,2-dichloroethene	0.26837	0.27178	0.010	1.3	50.0	
	33 2,2-Dichloropropane	0.16789	0.16855	0.010	0.4	50.0	
	34 Bromochloromethane	0.13642	0.13969	0.010	2.4	50.0	
	35 Chloroform	0.45771	0.50220	0.010	9.7	20.0	
	36 Tetrahydrofuran	0.08191	0.07310	0.010	-10.8	50.0	
	37 1,1,1-Trichloroethane	0.26438	0.29524	0.010	11.7	50.0	
	38 1,1-Dichloropropene	0.30459	0.30804	0.010	1.1	50.0	
	39 Carbon Tetrachloride	0.19341	0.24483	0.010	26.6	50.0	
	40 1,2-Dichloroethane	0.36488	0.40471	0.010	10.9	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 03-Sep-2004 15:13

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 03-SEP-2004 08:14
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.12544	1.14728	0.010	1.9	50.0	
	42 Trichloroethene	0.24970	0.25683	0.010	2.9	50.0	
	43 1,2-Dichloropropane	0.27405	0.26930	0.010	-1.7	20.0	
	44 1,4-Dioxane	0.00320	0.00235	0.010	-26.6	50.0	<-
	45 Dibromomethane	0.16601	0.16445	0.010	-0.9	50.0	
	46 Bromodichloromethane	0.30759	0.36723	0.010	19.4	50.0	
	47 2-Chloroethyl vinyl ether	0.14923	0.13696	0.010	-8.2	50.0	
	48 cis-1,3-Dichloropropene	0.39422	0.40987	0.010	4.0	50.0	
	49 4-Methyl-2-pentanone	0.25818	0.22504	0.010	-12.8	50.0	
	50 Toluene	1.41268	1.54307	0.010	9.2	20.0	
	51 trans-1,3-Dichloropropene	0.45286	0.48343	0.010	6.7	50.0	
	52 Ethyl Methacrylate	50.00000	44.48619	0.010	11.0	50.0	
	53 1,1,2-Trichloroethane	0.32308	0.33736	0.010	4.4	50.0	
	54 1,3-Dichloropropane	0.58174	0.59496	0.010	2.3	50.0	
	55 Tetrachloroethene	0.24309	0.25212	0.010	3.7	50.0	
	56 2-Hexanone	0.26203	0.19770	0.010	-24.6	50.0	
	57 Dibromochloromethane	0.26315	0.33302	0.010	26.6	50.0	
	58 1,2-Dibromoethane	0.31333	0.31449	0.010	0.4	50.0	
	59 Chlorobenzene	0.97885	0.98561	0.300	0.7	50.0	
	60 1,1,1,2-Tetrachloroethane	0.29993	0.35211	0.010	17.4	50.0	
	61 Ethylbenzene	0.45359	0.48406	0.010	6.7	20.0	
	62 m + p-Xylene	0.59296	0.64719	0.010	9.1	50.0	
M	63 Xylenes (total)	0.58522	0.63846	0.010	9.1	50.0	
	64 Xylene-o	0.56974	0.62101	0.010	9.0	50.0	
	65 Styrene	50.00000	50.42930	0.010	-0.9	50.0	
	66 Bromoform	50.00000	65.35717	0.100	-30.7	50.0	
	67 Isopropylbenzene	50.00000	47.47763	0.010	5.0	50.0	
	68 1,1,2,2-Tetrachloroethane	0.84431	0.73922	0.300	-12.4	50.0	
	69 1,4-Dichloro-2-butene	0.23514	0.12157	0.010	-48.3	50.0	
	70 1,2,3-Trichloropropane	0.26521	0.24399	0.010	-8.0	50.0	
	71 Bromobenzene	0.72683	0.69810	0.010	-4.0	50.0	
	72 n-Propylbenzene	0.59854	0.62829	0.010	5.0	50.0	
	73 2-Chlorotoluene	0.62169	0.63231	0.010	1.7	50.0	
	74 1,3,5-Trimethylbenzene	50.00000	47.90950	0.010	4.2	50.0	
	75 4-Chlorotoluene	0.69041	0.68906	0.010	-0.2	50.0	
	76 tert-Butylbenzene	1.51449	1.44491	0.010	-4.6	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 03-Sep-2004 15:13

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 03-SEP-2004 08:14
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	48.03431	0.010	3.9	50.0
78 sec-Butylbenzene	2.11439	1.99115	0.010	-5.8	50.0
79 4-Isopropyltoluene	50.00000	44.79566	0.010	10.4	50.0
80 1,3-Dichlorobenzene	1.35912	1.30415	0.010	-4.0	50.0
81 1,4-Dichlorobenzene	1.45347	1.39329	0.010	-4.1	50.0
82 n-Butylbenzene	50.00000	40.90950	0.010	18.2	50.0
83 1,2-Dichlorobenzene	1.32086	1.28748	0.010	-2.5	50.0
84 1,2-Dibromo-3-chloropropane	0.12157	0.10517	0.010	-13.5	50.0
85 1,2,4-Trichlorobenzene	0.49471	0.40155	0.010	-18.8	50.0
86 Hexachlorobutadiene	0.24185	0.19420	0.010	-19.7	50.0
87 Naphthalene	50.00000	32.65449	0.010	34.7	50.0
88 1,2,3-Trichlorobenzene	0.32951	0.29283	0.010	-11.1	50.0
98 Cyclohexane	50.00000	41.02254	0.010	18.0	50.0
143 Methyl Acetate	0.21681	0.19570	0.010	-9.7	50.0
144 Methylcyclohexane	50.00000	38.76210	0.010	22.5	50.0
141 1,3,5-Trichlorobenzene	0.69260	0.61485	0.010	-11.2	50.0

Data File: \\qcanoh04\dd\chem\[illegible]
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER

Injection Date: 03-SEP-2004 08:14
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	50.3457	0.7	50.0
0 Bromodichloromethane	50.0000	59.6943	19.4	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	43.7766	12.4	50.0
0 Bromoform	50.0000	65.3572	30.7	50.0
0 Styrene	50.0000	50.4293	0.9	50.0
0 Xylene-o	50.0000	54.4994	9.0	50.0
0 Xylenes (total)	150.0000	163.6441	9.1	50.0
0 2-Hexanone	100.0000	75.4490	24.6	50.0
0 Chloromethane	50.0000	43.3133	13.4	50.0
0 Vinyl Chloride	50.0000	58.9236	17.8	20.0
0 Bromomethane	50.0000	61.1881	22.4	50.0
0 Chloroethane	50.0000	64.4553	28.9	50.0
0 1,1-Dichloroethane	50.0000	52.1058	4.2	50.0
0 Tetrachloroethene	50.0000	51.8590	3.7	50.0
0 Acetone	100.0000	75.3880	24.6	50.0
0 1,1-Dichloroethene	50.0000	50.0608	0.1	20.0
0 m + p-Xylene	100.0000	109.1447	9.1	50.0
0 Ethylbenzene	50.0000	53.3590	6.7	20.0
0 Carbon Disulfide	50.0000	61.7023	23.4	50.0
0 Methylene Chloride	50.0000	51.8234	3.6	50.0
0 1,2-Dichloropropane	50.0000	49.1325	1.7	20.0
0 1,1,2-Trichloroethane	50.0000	52.2111	4.4	50.0
0 Dibromochloromethane	50.0000	63.2766	26.6	50.0
0 trans-1,2-Dichloroethene	50.0000	53.5340	7.1	50.0
0 trans-1,3-Dichloropropene	50.0000	53.3742	6.7	50.0
0 cis-1,3-Dichloropropene	50.0000	51.9850	4.0	50.0
0 Chloroform	50.0000	54.8601	9.7	20.0
0 Toluene	50.0000	54.6150	9.2	20.0
0 2-Butanone	100.0000	74.0871	25.9	50.0
0 1,2-Dichloroethene (total)	100.0000	104.1693	4.2	50.0
0 cis-1,2-dichloroethene	50.0000	50.6353	1.3	50.0
0 4-Methyl-2-pentanone	100.0000	87.1666	12.8	50.0
0 1,2-Dichloroethane	50.0000	55.4583	10.9	50.0
0 Trichloroethene	50.0000	51.4283	2.9	50.0
0 1,1,1-Trichloroethane	50.0000	55.8368	11.7	50.0
0 Carbon Tetrachloride	50.0000	63.2932	26.6	50.0
0 Benzene	50.0000	50.9703	1.9	50.0
38 Dichlorodifluoromethane	50.0000	61.7079	23.4	50.0
39 Trichlorofluoromethane	50.0000	68.5933	37.2	50.0

Data File: \\QCANOH04\dd\chem\[illegible]
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER

Injection Date: 03-SEP-2004 08:14
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	478.0472	4.4	50.0
41 Acrylonitrile	500.0000	459.0186	8.2	50.0
42 Vinyl acetate	50.0000	44.2060	11.6	50.0
43 2-Chloroethyl vinyl ether	100.0000	91.7744	8.2	50.0
47 Freon-113	50.0000	46.2109	7.6	50.0
48 1,3-Dichlorobenzene	50.0000	47.9780	4.0	50.0
49 1,4-Dichlorobenzene	50.0000	47.9300	4.1	50.0
50 1,2-Dichlorobenzene	50.0000	48.7364	2.5	50.0
51 Acetonitrile	500.0000	445.9947	10.8	50.0
52 Iodomethane	50.0000	63.4540	26.9	50.0
59 1,4-Dioxane	2500.0000	1834.1296	26.6	50.0
60 Dibromomethane	50.0000	49.5305	0.9	50.0
62 Ethyl Methacrylate	50.0000	44.4862	11.0	50.0
63 1,2-Dibromoethane	50.0000	50.1858	0.4	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	58.6991	17.4	50.0
65 1,2,3-Trichloropropane	50.0000	45.9991	8.0	50.0
66 1,4-Dichloro-2-butene	50.0000	25.8505	48.3	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	43.2563	13.5	50.0
82 Methyl tert-butyl ether	50.0000	56.3790	12.8	50.0
84 Tetrahydrofuran	50.0000	44.6216	10.8	50.0
98 2,2-Dichloropropane	50.0000	50.1981	0.4	50.0
99 1,1-Dichloropropene	50.0000	50.5657	1.1	50.0
100 1,3-Dichloropropane	50.0000	51.1358	2.3	50.0
102 Bromobenzene	50.0000	48.0236	4.0	50.0
103 2-Chlorotoluene	50.0000	50.8534	1.7	50.0
104 n-Propylbenzene	50.0000	52.4849	5.0	50.0
105 4-Chlorotoluene	50.0000	49.9021	0.2	50.0
106 1,3,5-Trimethylbenzene	50.0000	47.9095	4.2	50.0
107 tert-Butylbenzene	50.0000	47.7027	4.6	50.0
108 1,2,4-Trimethylbenzene	50.0000	48.0343	3.9	50.0
109 sec-Butylbenzene	50.0000	47.0858	5.8	50.0
110 4-Isopropyltoluene	50.0000	44.7957	10.4	50.0
111 n-Butylbenzene	50.0000	40.9095	18.2	50.0
112 1,2,4-Trichlorobenzene	50.0000	40.5846	18.8	50.0
113 Naphthalene	50.0000	32.6545	34.7	50.0
114 Hexachlorobutadiene	50.0000	40.1498	19.7	50.0
115 1,2,3-Trichlorobenzene	50.0000	44.4340	11.1	50.0
124 tert-Butyl Alcohol	1000.0000	674.2703	32.6	50.0

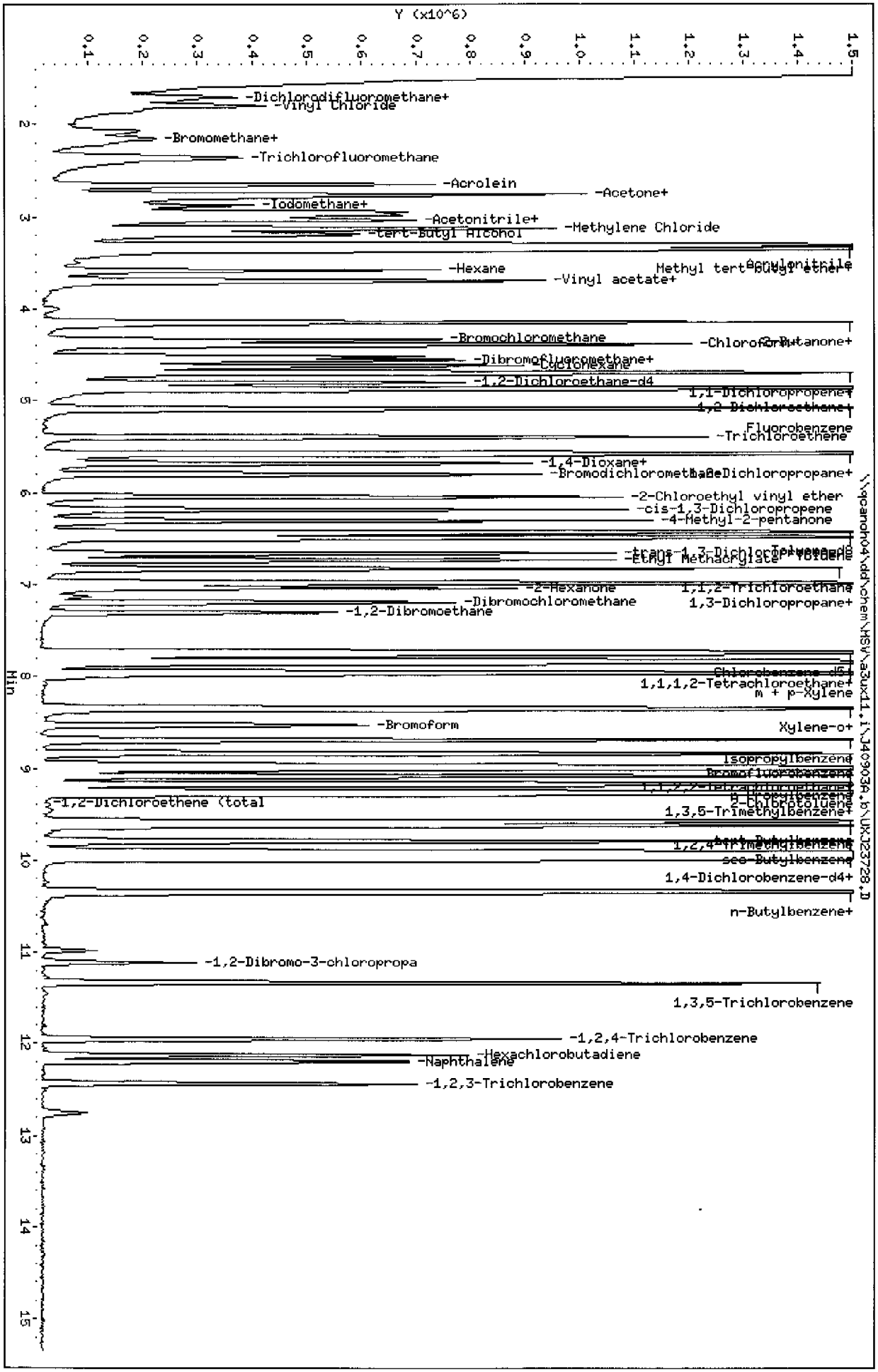
Data File: \\qcanoh01\dd\chem\[illegible]
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23728.D
Analysis Type: WATER

Injection Date: 03-SEP-2004 08:14
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
125 Hexane	50.0000	38.3212	23.4	20.0	<-
127 Cyclohexane	50.0000	41.0225	18.0	50.0	
128 Isopropylbenzene	50.0000	47.4776	5.0	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
133 Bromochloromethane	50.0000	51.1993	2.4	50.0	
141 1,3,5-Trichlorobenzene	50.0000	44.3867	11.2	50.0	
143 Methyl Acetate	100.0000	90.2626	9.7	50.0	
144 Methylcyclohexane	50.0000	38.7621	22.5	50.0	
22 Toluene-d8	50.0000	53.1963	6.4	50.0	
32 Bromofluorobenzene	50.0000	50.5819	1.2	50.0	
47 1,2-Dichloroethane-d4	50.0000	54.7256	9.5	50.0	
131 Dibromofluoromethane	50.0000	52.1292	4.3	50.0	


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Date : 03-SEP-2004 08:14
Client ID:
Sample Info: 50NC-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile
-Hexane
Methyl tert-butyl ether+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
-Ethyl Methacrylate
Toluene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
-1,2-Dichloroethene (total
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J409O3A.b\UXJ23728.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 07-Sep-2004 09:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Lab Smp Id: 50NG-CC
Inj Date : 03-SEP-2004 08:14
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J40903A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1853900	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1410412	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	876033	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	454811	50.0000	52.129
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	632330	50.0000	54.726
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	1797563	50.0000	53.196
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	724372	50.0000	50.582
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	453065	50.0000	61.708
9 Chloromethane	50	1.704	1.704	(0.335)	622494	50.0000	43.313
10 Vinyl Chloride	62	1.787	1.787	(0.351)	459929	50.0000	58.924
11 Bromomethane	94	2.071	2.071	(0.407)	210448	50.0000	61.188
12 Chloroethane	64	2.154	2.154	(0.423)	395384	50.0000	64.455
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	619896	50.0000	68.593
15 Acrolein	56	2.651	2.651	(0.521)	797518	500.000	478.05
16 Acetone	43	2.769	2.769	(0.544)	393679	100.000	75.388
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	434132	50.0000	50.061
18 Freon-113	151	2.769	2.769	(0.544)	252312	50.0000	46.211

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 07-Sep-2004 09:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.875	2.875	(0.565)	554245	50.0000	63.454
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	1757956	50.0000	61.702
	21 Methylene Chloride	84	3.124	3.124	(0.614)	666021	50.0000	51.823
	22 Acetonitrile	41	2.982	2.982	(0.586)	623884	500.000	445.99
	23 Acrylonitrile	53	3.301	3.301	(0.649)	1921872	500.000	459.02
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1210960	50.0000	56.379
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	509024	50.0000	53.534
	26 Hexane	86	3.574	3.574	(0.702)	61565	50.0000	38.321
	27 Vinyl acetate	43	3.704	3.704	(0.728)	773868	50.0000	44.206
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	883164	50.0000	52.106
	29 tert-Butyl Alcohol	59	3.195	3.195	(0.628)	579365	1000.00	674.27
	30 2-Butanone	43	4.130	4.130	(0.812)	412575	100.000	74.087
M	31 1,2-Dichloroethene (total)	96				1012874	100.000	104.17
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	503850	50.0000	50.635
	33 2,2-Dichloropropane	77	4.153	4.153	(0.816)	312482	50.0000	50.198
	34 Bromochloromethane	128	4.343	4.343	(0.854)	258978	50.0000	51.199
	35 Chloroform	83	4.390	4.390	(0.863)	931031	50.0000	54.860
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	135517	50.0000	44.622
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	547346	50.0000	55.837
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	571077	50.0000	50.566
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	453890	50.0000	63.293
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	750296	50.0000	55.458
	41 Benzene	78	4.863	4.863	(0.956)	2126941	50.0000	50.970
	42 Trichloroethene	130	5.396	5.396	(1.060)	476136	50.0000	51.428
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	499249	50.0000	49.132
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	217413	2500.00	1834.1(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	304877	50.0000	49.530
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	680810	50.0000	59.694
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	507804	100.000	91.774
	48 cis-1,3-Dichloropropene	75	6.177	6.177	(1.214)	759865	50.0000	51.985
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	834416	100.000	87.167
	50 Toluene	91	6.484	6.484	(0.839)	2176368	50.0000	54.615
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	681829	50.0000	53.374
	52 Ethyl Methacrylate	69	6.733	6.733	(0.871)	582958	50.0000	44.486
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	475820	50.0000	52.211
	54 1,3-Dichloropropane	76	6.981	6.981	(0.904)	839136	50.0000	51.136
	55 Tetrachloroethene	164	6.993	6.993	(0.905)	355599	50.0000	51.859
	56 2-Hexanone	43	7.041	7.041	(0.911)	557678	100.000	75.449
	57 Dibromochloromethane	129	7.194	7.194	(0.931)	469702	50.0000	63.277
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	443563	50.0000	50.186
	59 Chlorobenzene	112	7.762	7.762	(1.005)	1390123	50.0000	50.346
	60 1,1,1,2-Tetrachloroethane	131	7.833	7.833	(1.014)	496625	50.0000	58.699
	61 Ethylbenzene	106	7.857	7.857	(1.017)	682728	50.0000	53.359
	62 m + p-Xylene	106	7.964	7.964	(1.031)	1825602	100.000	109.14
M	63 Xylenes (total)	106				2701476	150.000	163.64
	64 Xylene-o	106	8.342	8.342	(1.080)	875874	50.0000	54.499
	65 Styrene	104	8.354	8.354	(1.081)	1616410	50.0000	50.429

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23728.D
Report Date: 07-Sep-2004 09:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.104)	328387	50.0000	65.357
67 Isopropylbenzene	105	8.685	8.685	(1.124)	1800827	50.0000	47.478
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	647584	50.0000	43.777
69 1,4-Dichloro-2-butene	53	9.005	9.005	(0.904)	106497	50.0000	25.850
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	213741	50.0000	45.999
71 Bromobenzene	156	8.993	8.993	(0.903)	611556	50.0000	48.024
72 n-Propylbenzene	120	9.088	9.088	(0.912)	550399	50.0000	52.485
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	553921	50.0000	50.853
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	1818603	50.0000	47.909
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	603636	50.0000	49.902
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	1265788	50.0000	47.703
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	1965160	50.0000	48.034
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	1744317	50.0000	47.086
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	1565660	50.0000	44.796
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	1142481	50.0000	47.978
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1220570	50.0000	47.930
82 n-Butylbenzene	91	10.330	10.330	(1.037)	1248559	50.0000	40.910
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1127879	50.0000	48.736
84 1,2-Dibromo-3-chloropropane	157	11.111	11.111	(1.115)	92135	50.0000	43.256
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	351773	50.0000	40.584
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	170128	50.0000	40.150
87 Naphthalene	128	12.200	12.200	(1.224)	685176	50.0000	32.654
88 1,2,3-Trichlorobenzene	180	12.436	12.436	(1.248)	256529	50.0000	44.434
98 Cyclohexane	56	4.627	4.627	(0.909)	520491	50.0000	41.022
143 Methyl Acetate	43	3.029	3.029	(0.595)	725613	100.000	90.263
144 Methylcyclohexane	83	5.573	5.573	(1.095)	400726	50.0000	38.762
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	538627	50.0000	44.387

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23729.D
Report Date: 03-Sep-2004 08:44

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23729.D
Analysis Type: WATER
Lab Sample ID: 50NG-A9CC
Injection Date: 03-SEP-2004 08:37
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.48495	0.50762	0.010	4.7	50.0	
89 Ethyl Ether	0.24654	0.24360	0.010	-1.2	50.0	
91 3-Chloropropene	0.10305	0.10818	0.010	5.0	50.0	
92 Isopropyl Ether	0.22353	0.23293	0.010	4.2	50.0	
93 2-Chloro-1,3-butadiene	0.37276	0.39429	0.010	5.8	50.0	
94 Propionitrile	0.04231	0.04031	0.010	-4.7	50.0	
95 Ethyl Acetate	0.24508	0.22660	0.010	-7.5	50.0	
96 Methacrylonitrile	0.15890	0.14763	0.010	-7.1	50.0	
97 Isobutanol	0.01142	0.01114	0.010	-2.5	50.0	
99 n-Butanol	0.00822	0.00778	0.010	-5.3	50.0	<-
100 Methyl Methacrylate	0.19531	0.18664	0.010	-4.4	50.0	
101 2-Nitropropane	0.06079	0.06415	0.010	5.5	50.0	
103 Cyclohexanone	0.02717	0.02201	0.010	-19.0	50.0	

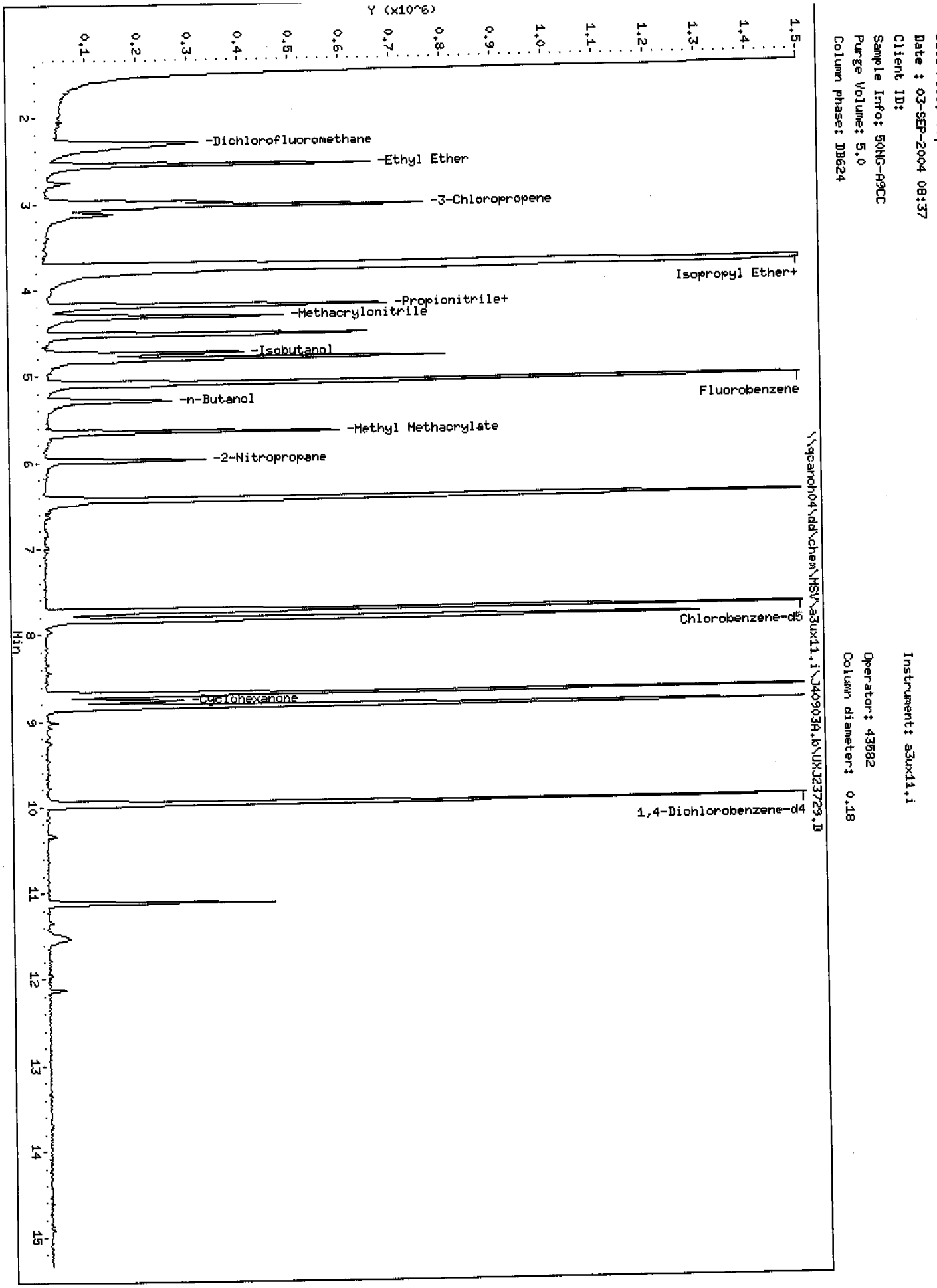
Data File: \\QCANOH04\dd\chem\[illegible]
Report Date: 09/03/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23729.D
Analysis Type: WATER

Injection Date: 03-SEP-2004 08:37
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
53 3-Chloropropene	50.0000	52.4875	5.0	50.0
54 2-Chloro-1,3-butadiene	50.0000	52.8881	5.8	50.0
55 Propionitrile	100.0000	95.2755	4.7	50.0
56 Methacrylonitrile	50.0000	46.4535	7.1	50.0
57 Isobutanol	1000.0000	975.4556	2.5	50.0
58 Methyl Methacrylate	50.0000	47.7820	4.4	50.0
73 n-Butanol	1000.0000	947.2090	5.3	50.0
74 Ethyl Acetate	100.0000	92.4578	7.5	50.0
75 Cyclohexanone	500.0000	404.9848	19.0	50.0
76 Ethyl Ether	50.0000	49.4023	1.2	50.0
85 Dichlorofluoromethane	50.0000	52.3375	4.7	50.0
86 2-Nitropropane	100.0000	105.5145	5.5	50.0
126 Isopropyl Ether	250.0000	260.5118	4.2	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J409030.b\UXJ23729.D
Date : 03-SEP-2004 08:37
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23729.D
Report Date: 03-Sep-2004 08:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23729.D
Lab Smp Id: 50NG-A9CC
Inj Date : 03-SEP-2004 08:37
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9CC
Misc Info : J40903A,8260LLUX11,3-IX.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 03-Sep-2004 08:48 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1818506	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1278133	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	581608	50.0000	
14 Dichlorofluoromethane	67	2.296	2.296	(0.451)	923110	50.0000	52.337
89 Ethyl Ether	59	2.556	2.556	(0.502)	442981	50.0000	49.402
91 3-Chloropropene	76	3.029	3.029	(0.595)	196720	50.0000	52.487
92 Isopropyl Ether	87	3.728	3.728	(0.733)	2117927	250.000	260.51(A)
93 2-Chloro-1,3-butadiene	53	3.763	3.763	(0.740)	717015	50.0000	52.888
94 Propionitrile	54	4.177	4.177	(0.821)	146605	100.000	95.275
95 Ethyl Acetate	43	4.189	4.189	(0.823)	824139	100.000	92.458
96 Methacrylonitrile	41	4.307	4.307	(0.847)	268459	50.0000	46.453
97 Isobutanol	41	4.745	4.745	(0.613)	284717	1000.00	975.46(A)
99 n-Butanol	56	5.290	5.290	(0.684)	198987	1000.00	947.21(A)
100 Methyl Methacrylate	41	5.645	5.645	(1.109)	339412	50.0000	47.782
101 2-Nitropropane	41	5.976	5.976	(1.174)	233304	100.000	105.51
103 Cyclohexanone	55	8.768	8.768	(0.880)	128005	500.000	404.98(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040903A.D\0x023729.D
Report Date: 03-Sep-2004 08:49

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

RAW QC DATA

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\BFB1360.D

Date : 12-AUG-2004 06:10

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

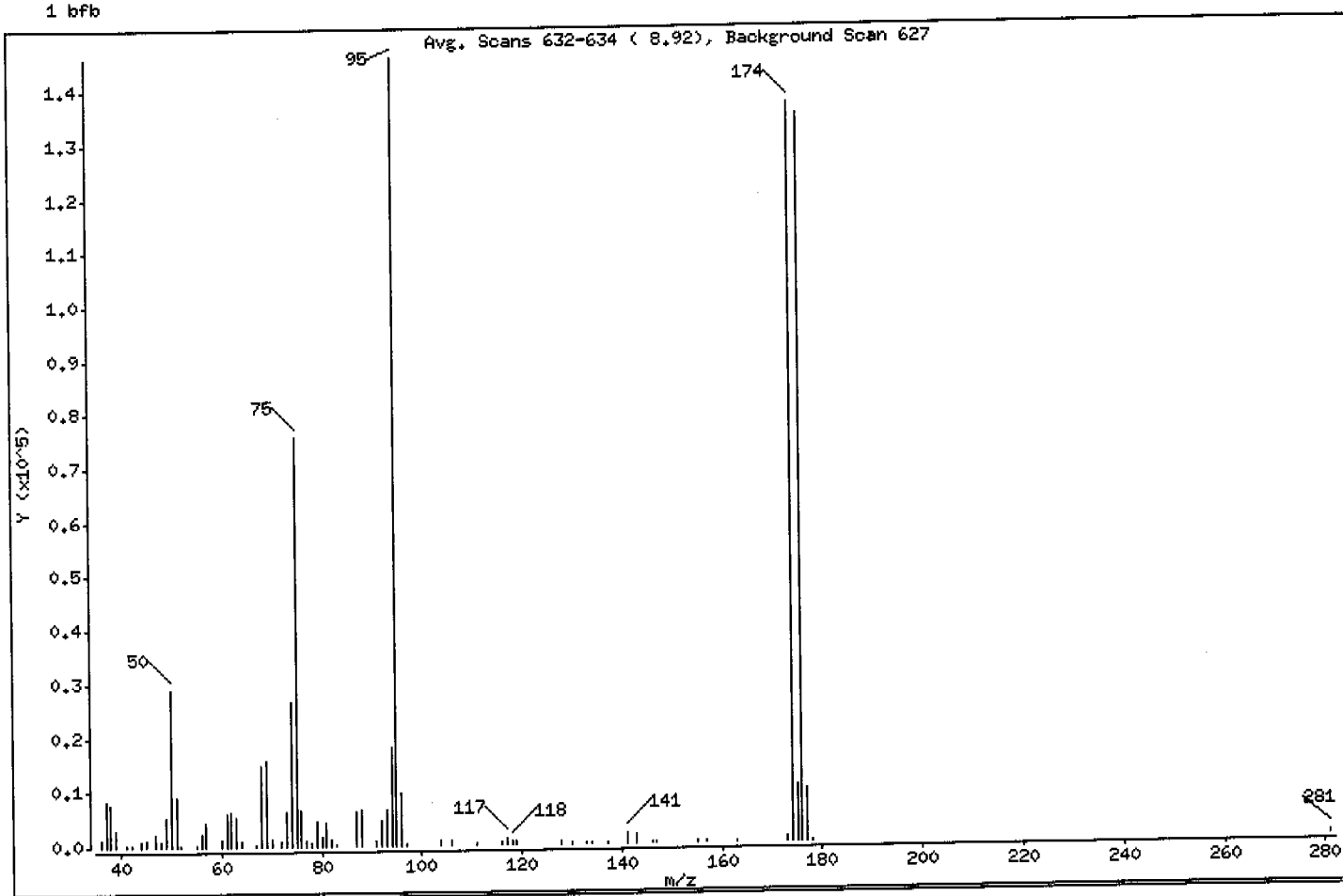
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.76
75	30.00 - 60.00% of mass 95	51.72
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.59 (0.63)
174	50.00 - 100.00% of mass 95	93.75
175	5.00 - 9.00% of mass 174	7.08 (7.55)
176	95.00 - 101.00% of mass 174	92.48 (98.65)
177	5.00 - 9.00% of mass 176	6.59 (7.12)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\BFB1360.D

Date : 12-AUG-2004 06:10

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

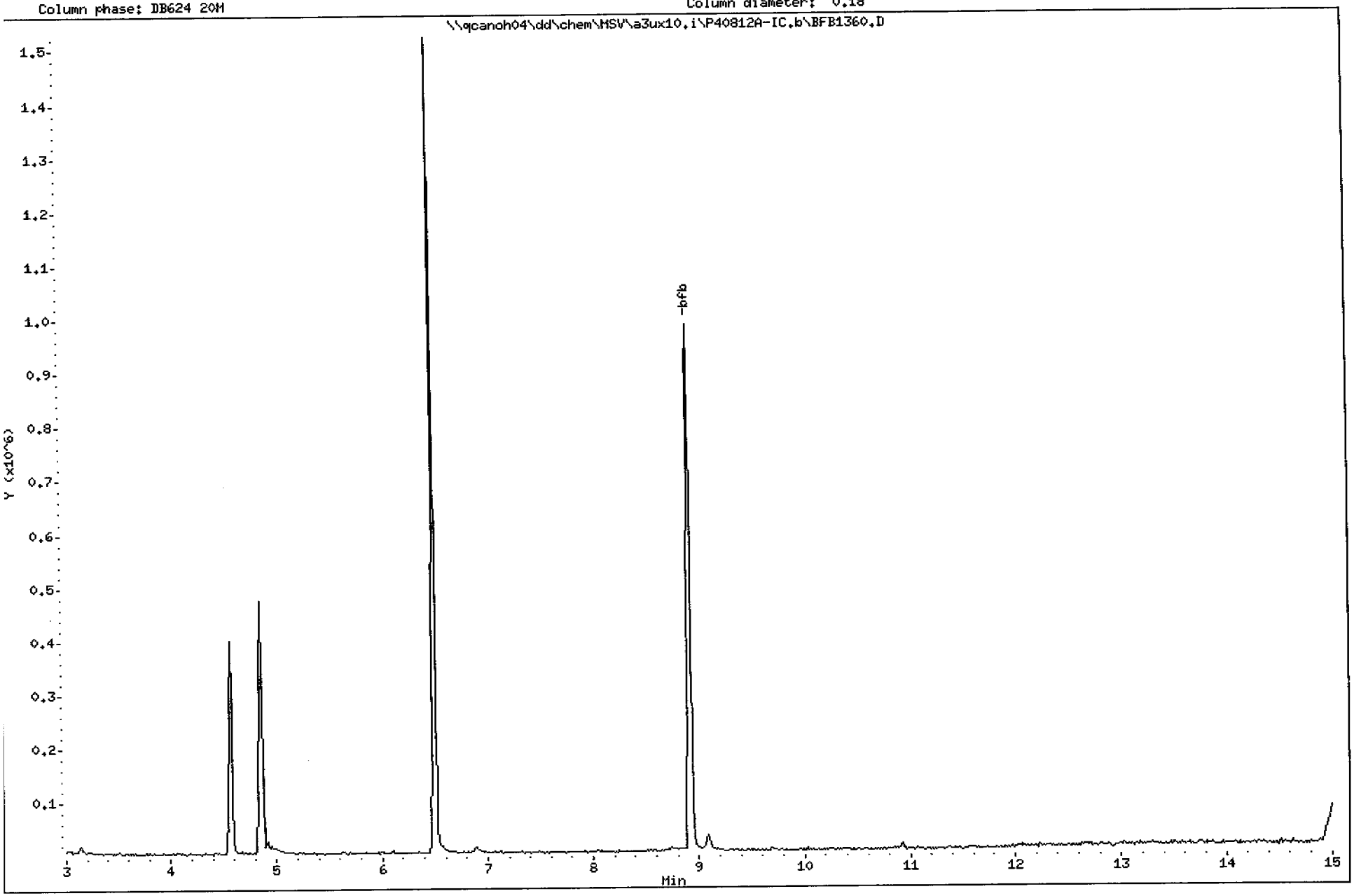
Column diameter: 0.18

Data File: BFB1360.D
Spectrum: Avg. Scans 632-634 (8.92), Background Scan 627
Location of Maximum: 95.00
Number of points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1306	62.00	6346	87.00	6413	134.00	190
37.00	8381	63.00	5411	88.00	6667	137.00	421
38.00	7881	64.00	861	91.00	857	141.00	1860
39.00	3082	67.00	402	92.00	4747	143.00	1759
41.00	173	68.00	14684	93.00	6679	146.00	173
42.00	184	69.00	15926	94.00	18312	147.00	263
44.00	965	70.00	1436	95.00	146112	155.00	381
45.00	1415	72.00	1074	96.00	9870	157.00	270
47.00	2357	73.00	6406	97.00	182	163.00	171
48.00	906	74.00	26600	104.00	1076	173.00	861
49.00	5289	75.00	75600	106.00	869	174.00	137024
50.00	28872	76.00	6815	111.00	280	175.00	10344
51.00	8953	77.00	1053	116.00	710	176.00	135168
52.00	245	78.00	560	117.00	1195	177.00	9631
55.00	502	79.00	4590	118.00	779	178.00	221
56.00	2388	80.00	1541	119.00	680	281.00	794
57.00	4308	81.00	4461	128.00	599		
60.00	1393	82.00	1292	130.00	398		
61.00	6166	83.00	175	133.00	371		

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\BFB1360.D
Date : 12-AUG-2004 06:10
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\BFB1375.D

Date : 25-AUG-2004 23:25

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

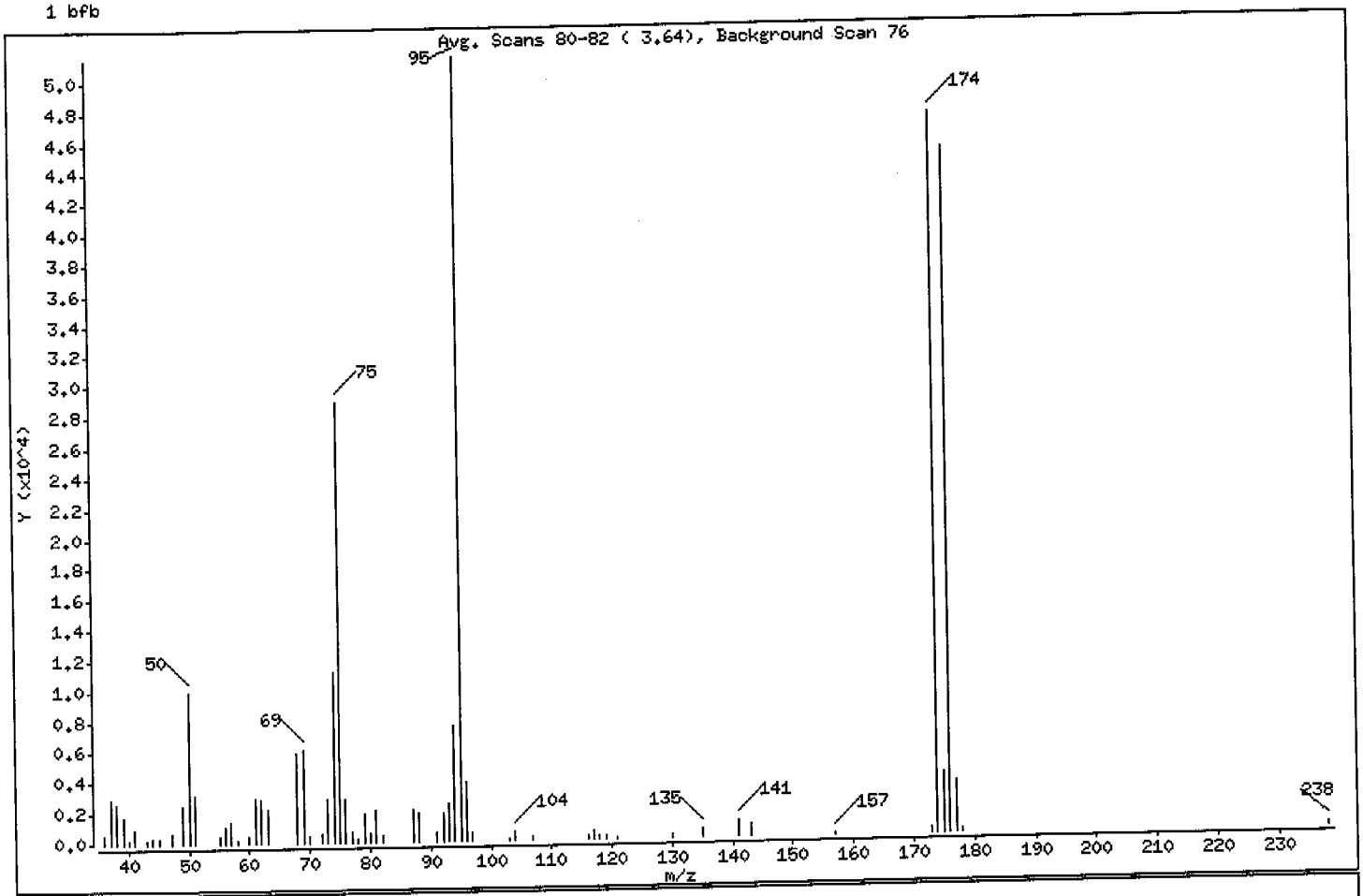
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.30
75	30.00 - 60.00% of mass 95	56.14
96	5.00 - 9.00% of mass 95	7.58
173	Less than 2.00% of mass 174	0.60 (0.65)
174	50.00 - 100.00% of mass 95	91.94
175	5.00 - 9.00% of mass 174	7.84 (8.53)
176	95.00 - 101.00% of mass 174	87.45 (95.11)
177	5.00 - 9.00% of mass 176	6.67 (7.62)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\BFB1375.D

Date : 25-AUG-2004 23:25

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

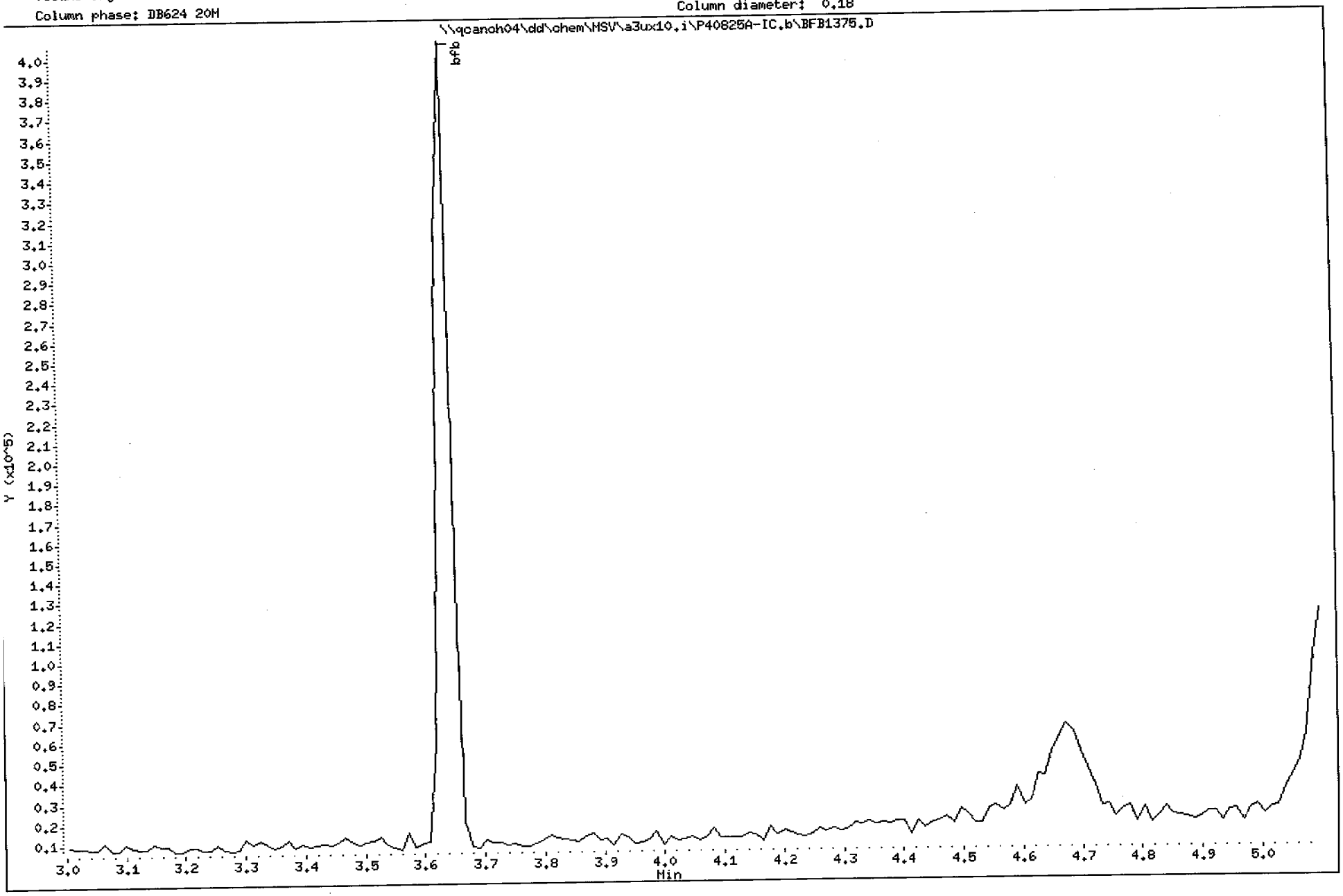
Data File: BFB1375.D
Spectrum: Avg. Scans 80-82 (3.64), Background Scan 76
Location of Maximum: 95.00
Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	536	60.00	427	82.00	424	121.00	171
37.00	2946	61.00	2986	87.00	2080	130.00	216
38.00	2609	62.00	2870	88.00	1867	135.00	621
39.00	1791	63.00	2251	91.00	609	141.00	1064
40.00	222	68.00	5982	92.00	1929	143.00	878
41.00	918	69.00	6223	93.00	2450	157.00	170
43.00	204	70.00	505	94.00	7652	173.00	307
44.00	353	72.00	642	95.00	51520	174.00	47368
45.00	395	73.00	2801	96.00	3908	175.00	4041
47.00	737	74.00	11168	97.00	564	176.00	45056
49.00	2540	75.00	28920	103.00	170	177.00	3435
50.00	9945	76.00	2827	104.00	611	178.00	184
51.00	3218	77.00	736	107.00	228	238.00	195
55.00	527	78.00	220	116.00	198		
56.00	1102	79.00	1849	117.00	591		
57.00	1378	80.00	542	118.00	211		
58.00	222	81.00	2192	119.00	202		

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\BFB1375.D
Date : 25-AUG-2004 23:25
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\BFB1384.D

Date : 02-SEP-2004 17:22

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

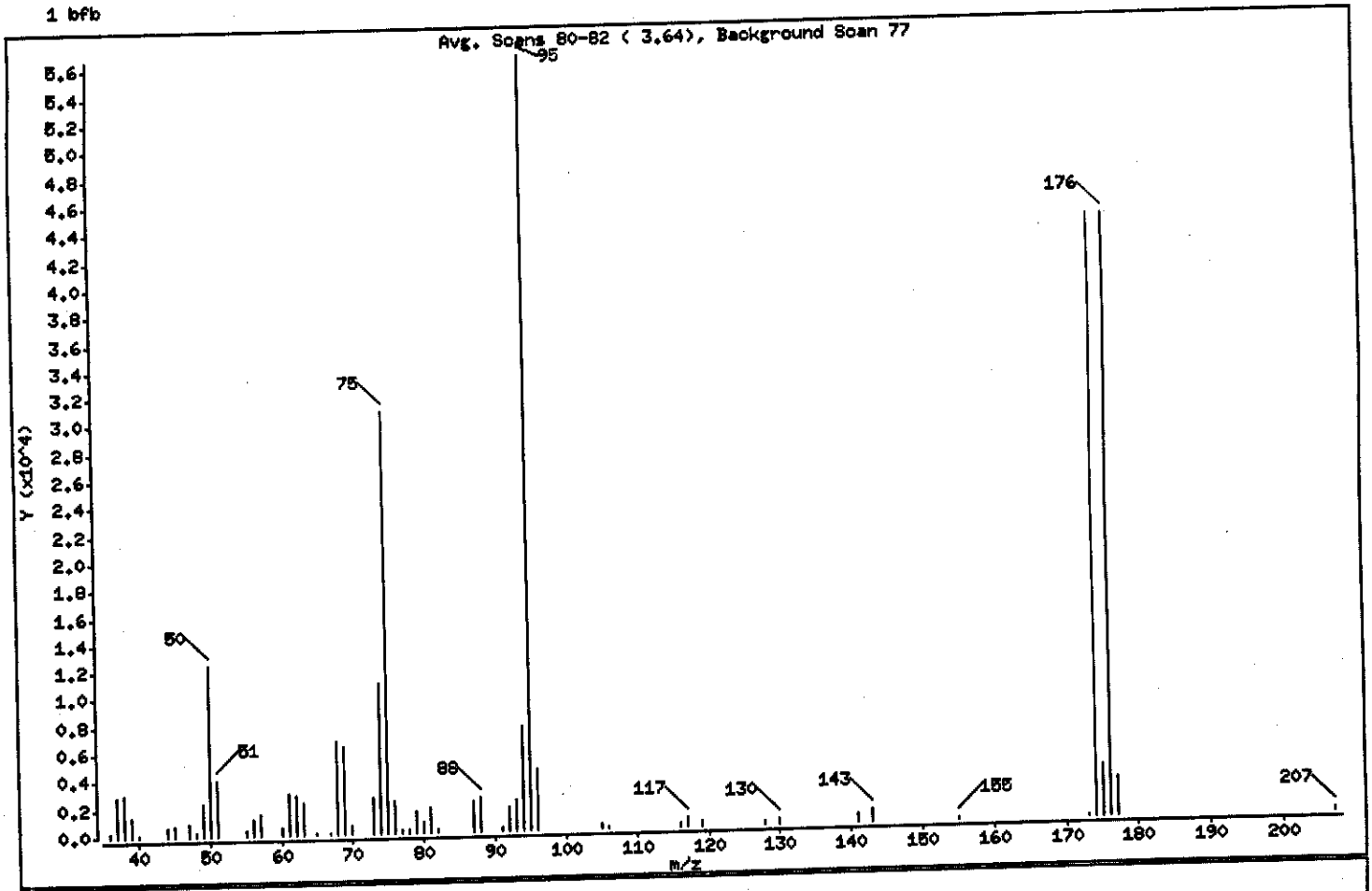
Operator: 1904

Volume Injected (uL): 1.0

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.84
75	30.00 - 60.00% of mass 95	54.48
96	5.00 - 9.00% of mass 95	7.90
173	Less than 2.00% of mass 174	0.31 (0.40)
174	50.00 - 100.00% of mass 95	77.82
175	5.00 - 9.00% of mass 174	6.66 (8.56)
176	95.00 - 101.00% of mass 174	77.89 (100.09)
177	5.00 - 9.00% of mass 176	5.17 (6.64)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\BFB1384.D

Date : 02-SEP-2004 17:22

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

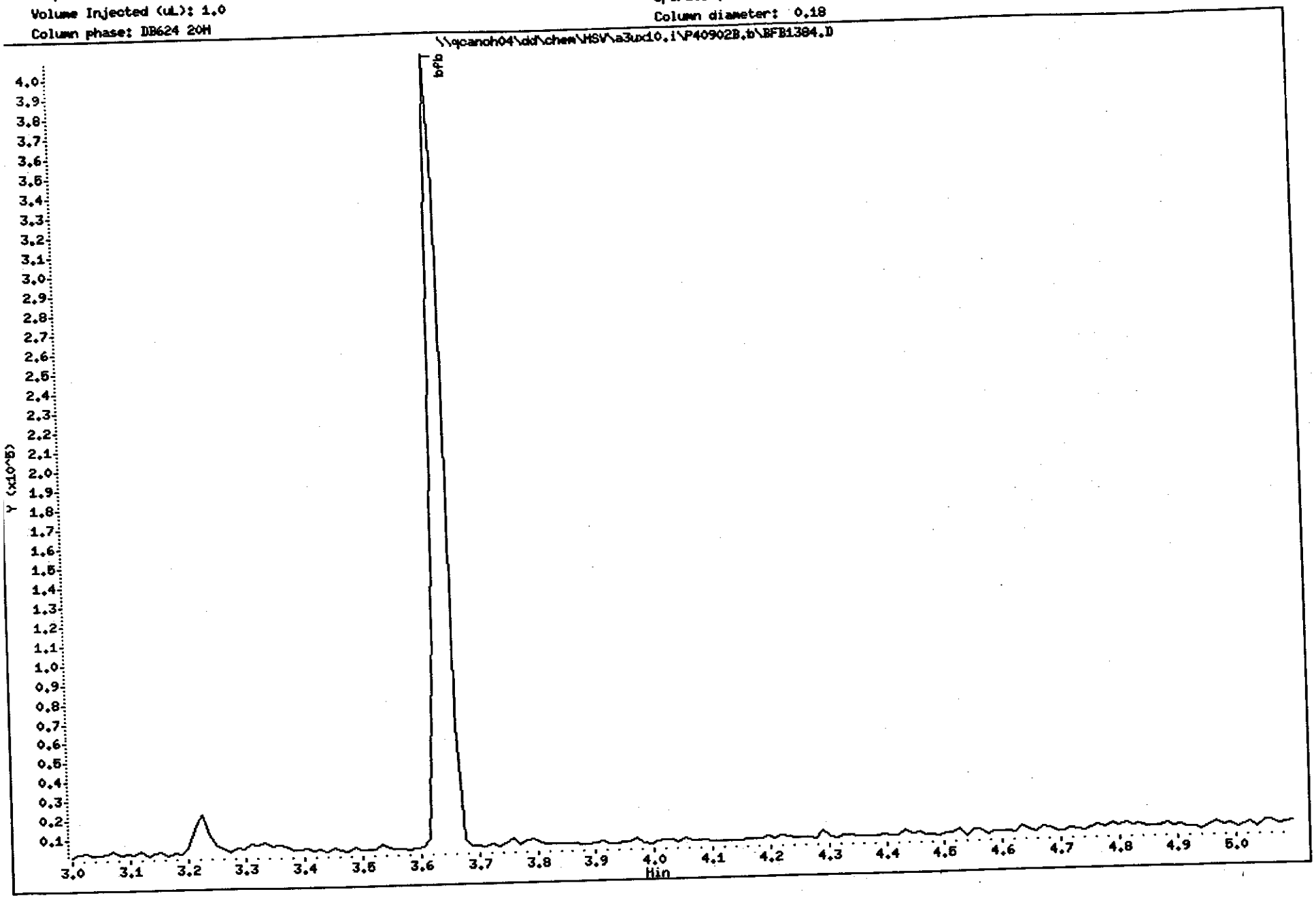
Column diameter: 0.18

Data File: BFB1384.D
Spectrum: Avg. Scans 80-82 (3.64), Background Scan 77
Location of Maximum: 95.00
Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	255	60.00	535	79.00	1598	117.00	660
37.00	2927	61.00	3002	80.00	809	119.00	439
38.00	3065	62.00	2916	81.00	1788	128.00	242
39.00	1413	63.00	2390	82.00	209	130.00	377
40.00	96	65.00	193	87.00	2278	141.00	624
44.00	709	67.00	170	88.00	2441	143.00	851
45.00	784	68.00	6740	91.00	267	155.00	180
47.00	905	69.00	6466	92.00	1741	173.00	178
48.00	268	70.00	610	93.00	2238	174.00	44128
49.00	2407	73.00	2643	94.00	7617	175.00	3780
50.00	12387	74.00	11007	95.00	56712	176.00	44168
51.00	4091	75.00	30896	96.00	4479	177.00	2933
55.00	356	76.00	2377	105.00	370	207.00	209
56.00	1169	77.00	267	106.00	174		
57.00	1575	78.00	205	116.00	217		

Data File: \\qcanoh04\dd\chem\MSV\a3uxi0.i\P40902B.b\BFB1384.D
Date : 02-SEP-2004 17:22
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3uxi0.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\BFB207.D

Date : 16-AUG-2004 13:09

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

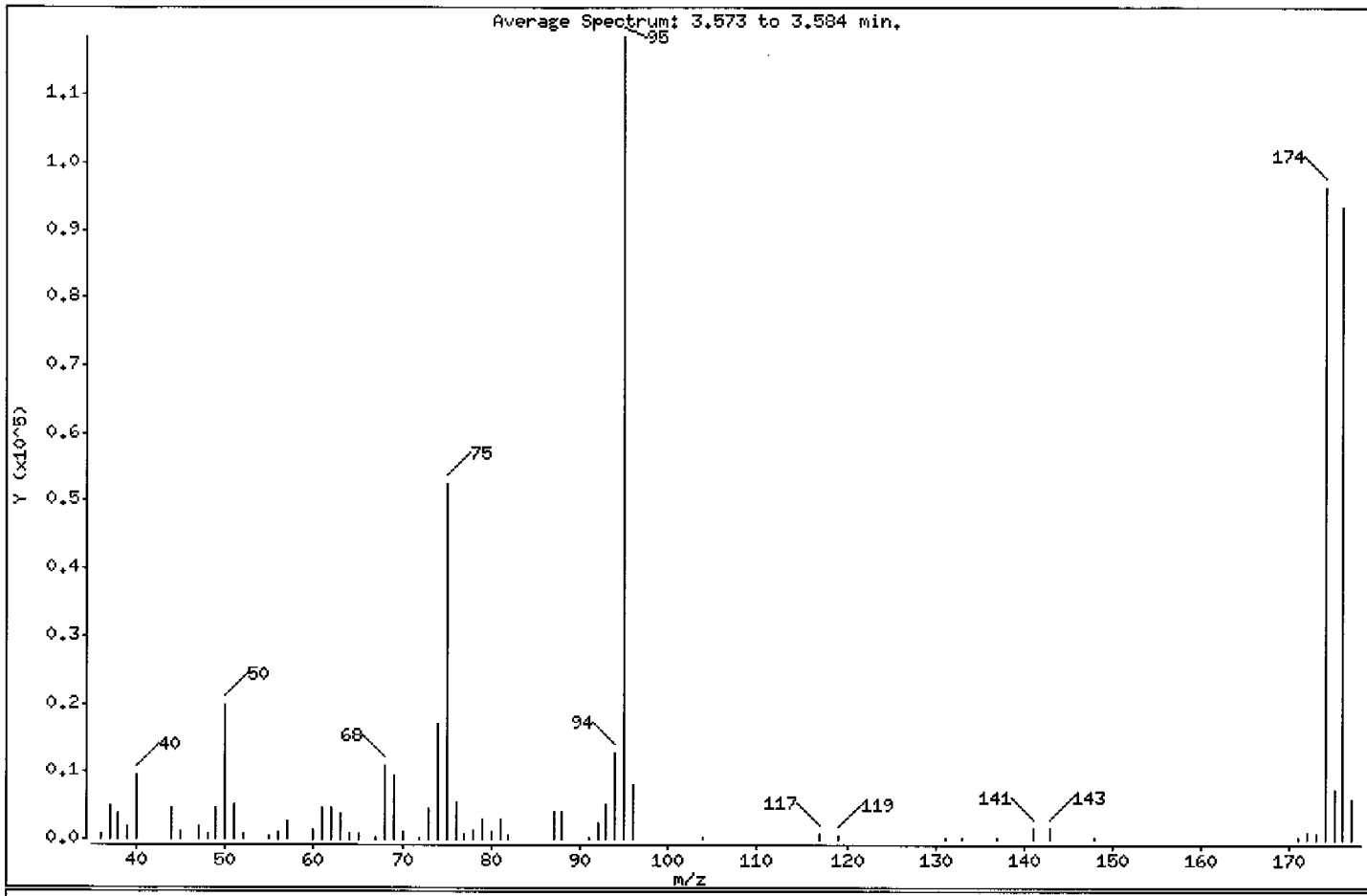
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.76
75	30.00 - 60.00% of mass 95	44.47
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.68 (0.84)
174	50.00 - 100.00% of mass 95	81.27
175	5.00 - 9.00% of mass 174	6.13 (7.55)
176	95.00 - 101.00% of mass 174	78.91 (97.09)
177	5.00 - 9.00% of mass 176	5.04 (6.39)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\BFB207.D

Date : 16-AUG-2004 13:09

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

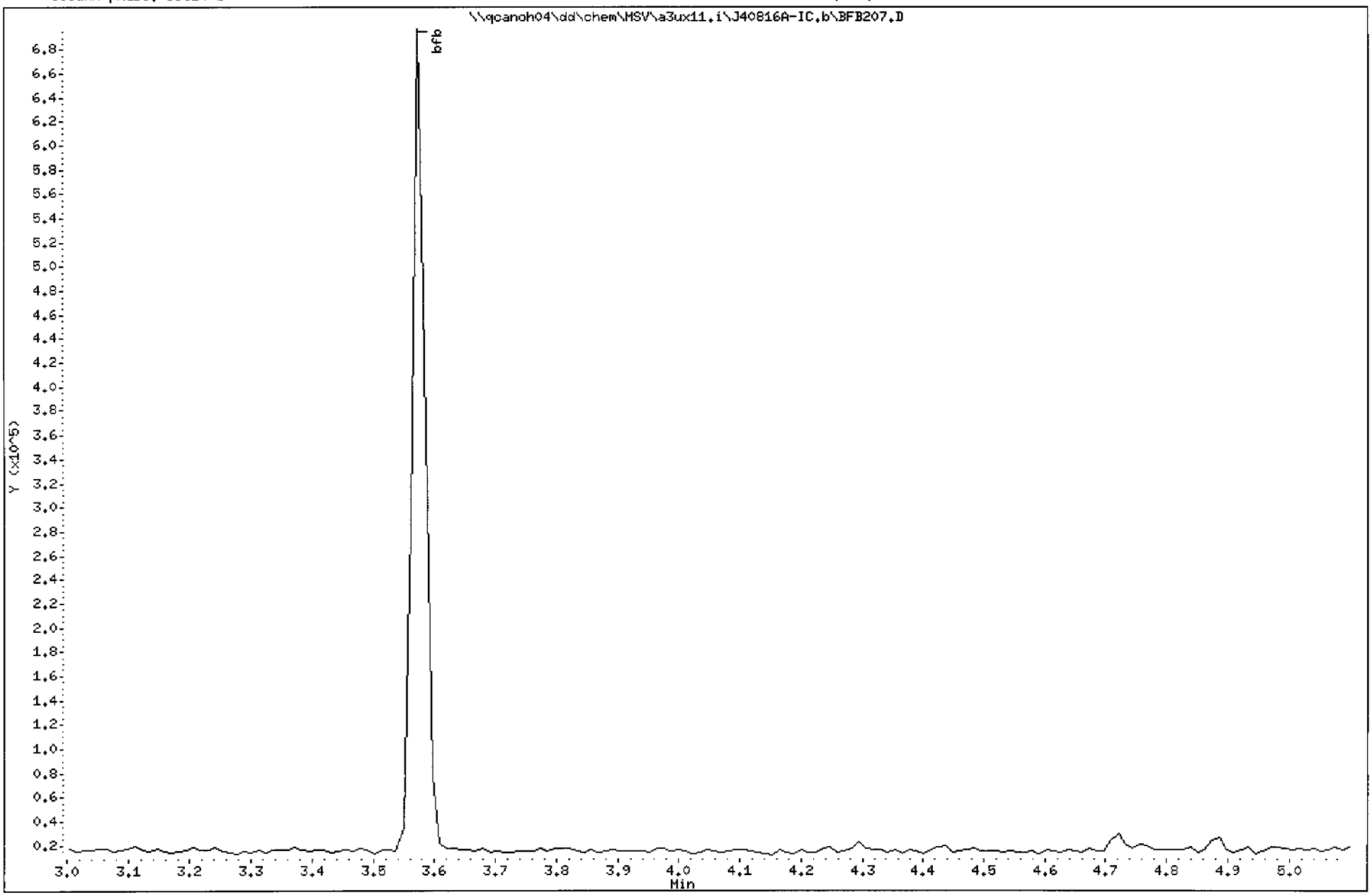
Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB207.D
Spectrum: Average Spectrum: 3.573 to 3.584 min.
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	749	60.00	1376	78.00	1307	131.00	285
37.00	4867	61.00	4538	79.00	3095	133.00	271
38.00	3795	62.00	4718	80.00	1085	137.00	323
39.00	1854	63.00	3709	81.00	3055	141.00	1521
40.00	9546	64.00	700	82.00	515	143.00	1655
44.00	4571	65.00	821	87.00	4063	148.00	297
45.00	1190	67.00	254	88.00	4069	171.00	316
47.00	2040	68.00	10867	91.00	257	172.00	1062
48.00	737	69.00	9493	92.00	2338	173.00	806
49.00	4592	70.00	1139	93.00	5215	174.00	96288
50.00	19856	72.00	389	94.00	12726	175.00	7267
51.00	5302	73.00	4639	95.00	118480	176.00	93488
52.00	840	74.00	17288	96.00	8207	177.00	5974
55.00	613	75.00	52680	104.00	355		
56.00	1116	76.00	5372	117.00	715		
57.00	2804	77.00	828	119.00	414		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\BFB207.D
Date : 16-AUG-2004 13:09
Client ID: 50NG BFB
Instrument: a3ux11.i
Sample Info:
Volume Injected (uL): 1.0
Operator: 43582
Column phase: DB624 20M
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\BFB211.D

Date : 23-AUG-2004 15:50

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

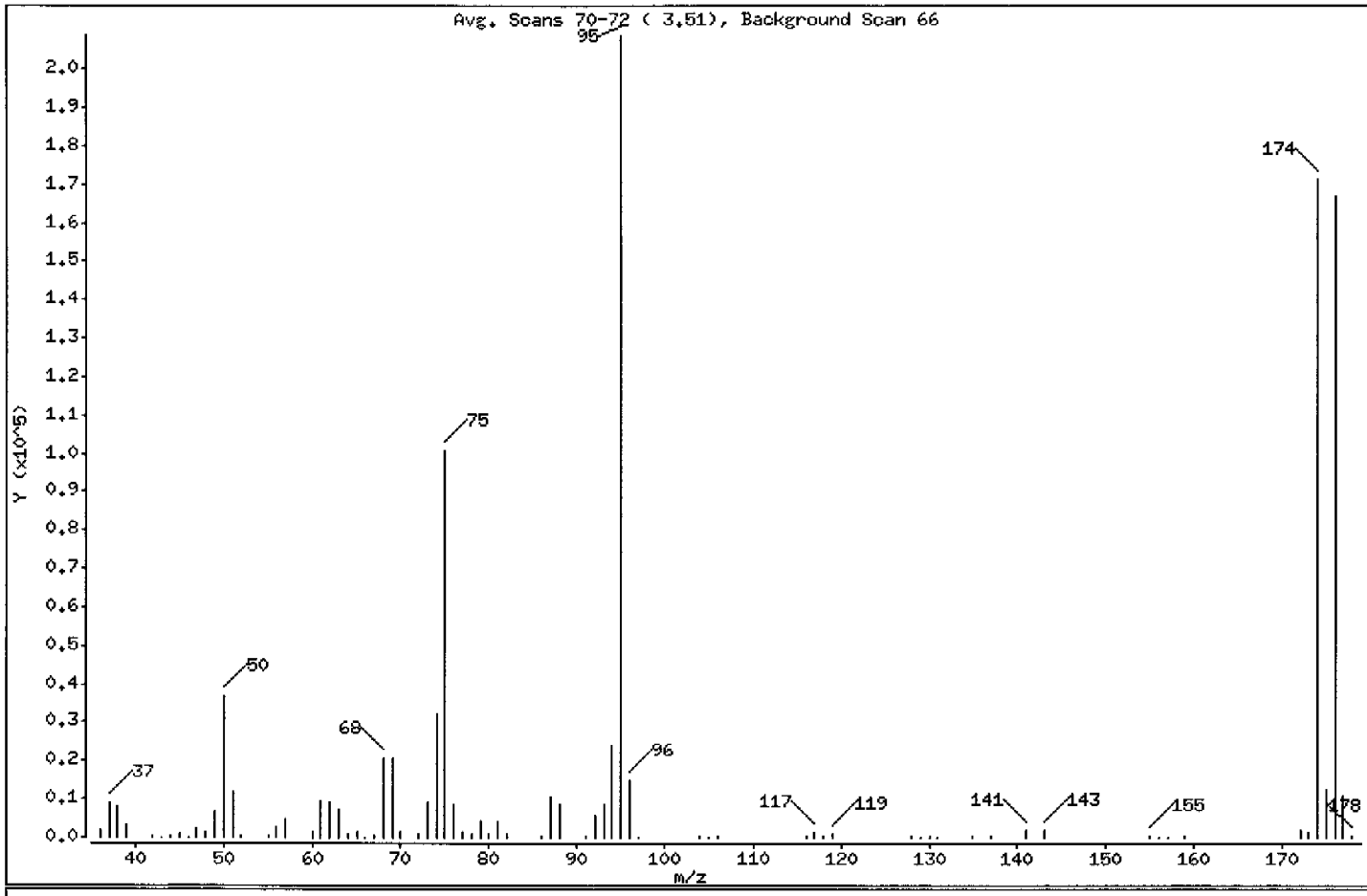
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.80
75	30.00 - 60.00% of mass 95	48.37
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.63 (0.76)
174	50.00 - 100.00% of mass 95	82.19
175	5.00 - 9.00% of mass 174	6.09 (7.40)
176	95.00 - 101.00% of mass 174	80.06 (97.41)
177	5.00 - 9.00% of mass 176	5.21 (6.50)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\BFB211.D

Date : 23-AUG-2004 15:50

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

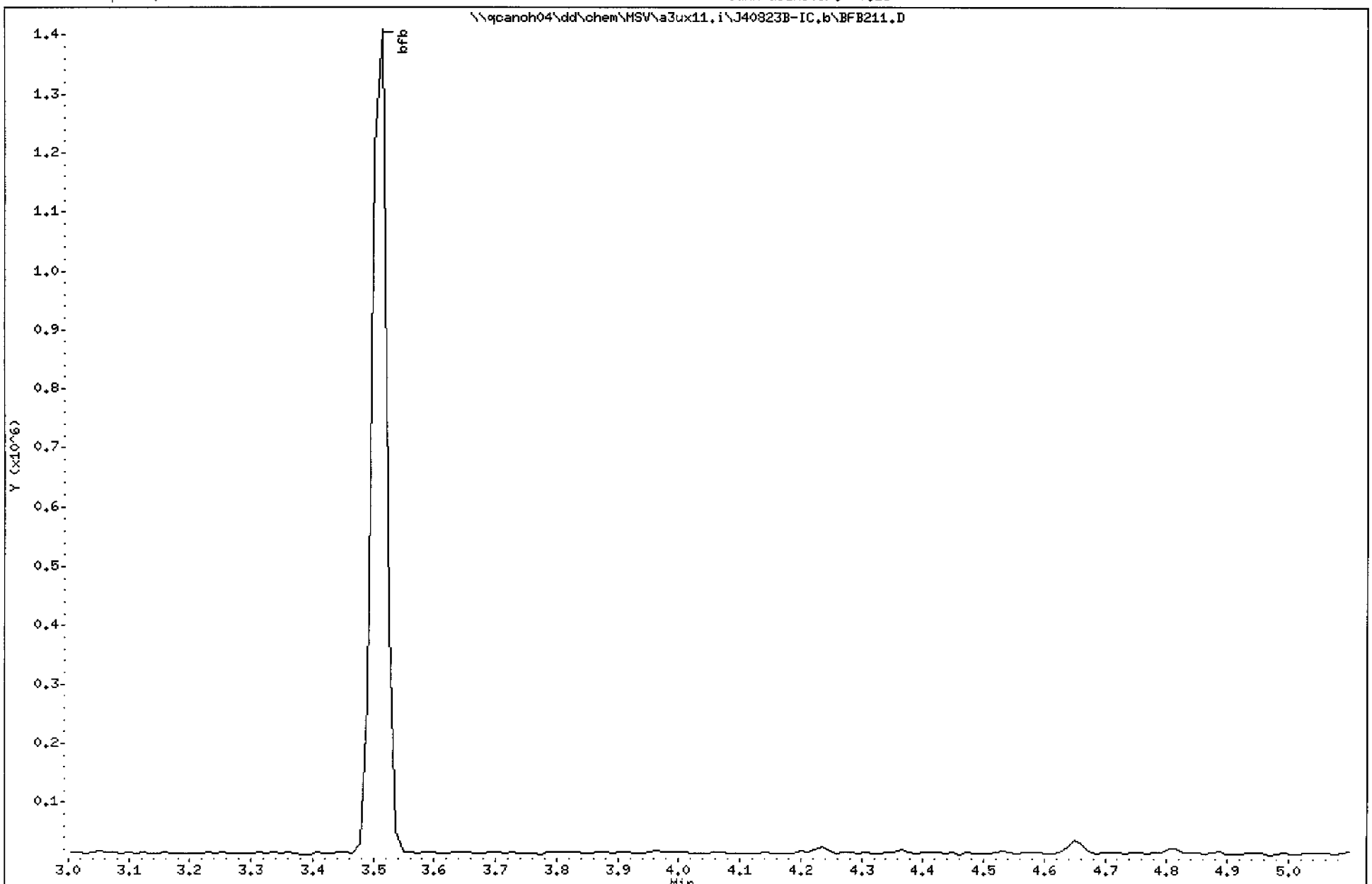
Column diameter: 0.18

Data File: BFB211.D
Spectrum: Avg. Scans 70-72 (3.51), Background Scan 66
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2008	62.00	8944	86.00	312	131.00	202
37.00	9148	63.00	7340	87.00	10654	135.00	541
38.00	8116	64.00	944	88.00	8541	137.00	424
39.00	3440	65.00	1285	91.00	658	141.00	2131
42.00	401	66.00	169	92.00	5950	143.00	2079
43.00	195	67.00	481	93.00	8783	155.00	525
44.00	536	68.00	20448	94.00	23816	156.00	168
45.00	1096	69.00	20392	95.00	208704	157.00	183
46.00	178	70.00	1602	96.00	14872	159.00	344
47.00	2400	72.00	993	97.00	200	172.00	1813
48.00	1482	73.00	8919	104.00	434	173.00	1311
49.00	6859	74.00	32144	105.00	200	174.00	171520
50.00	37152	75.00	100944	106.00	661	175.00	12700
51.00	11796	76.00	8398	116.00	646	176.00	167040
52.00	476	77.00	1555	117.00	1276	177.00	10864
55.00	290	78.00	881	118.00	546	178.00	437
56.00	2643	79.00	4301	119.00	1181		
57.00	4597	80.00	990	128.00	642		
60.00	1657	81.00	4230	129.00	194		
61.00	9571	82.00	945	130.00	629		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\BFB211.D
Date : 23-AUG-2004 15:50
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\BFB227.D

Date : 03-SEP-2004 07:48

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

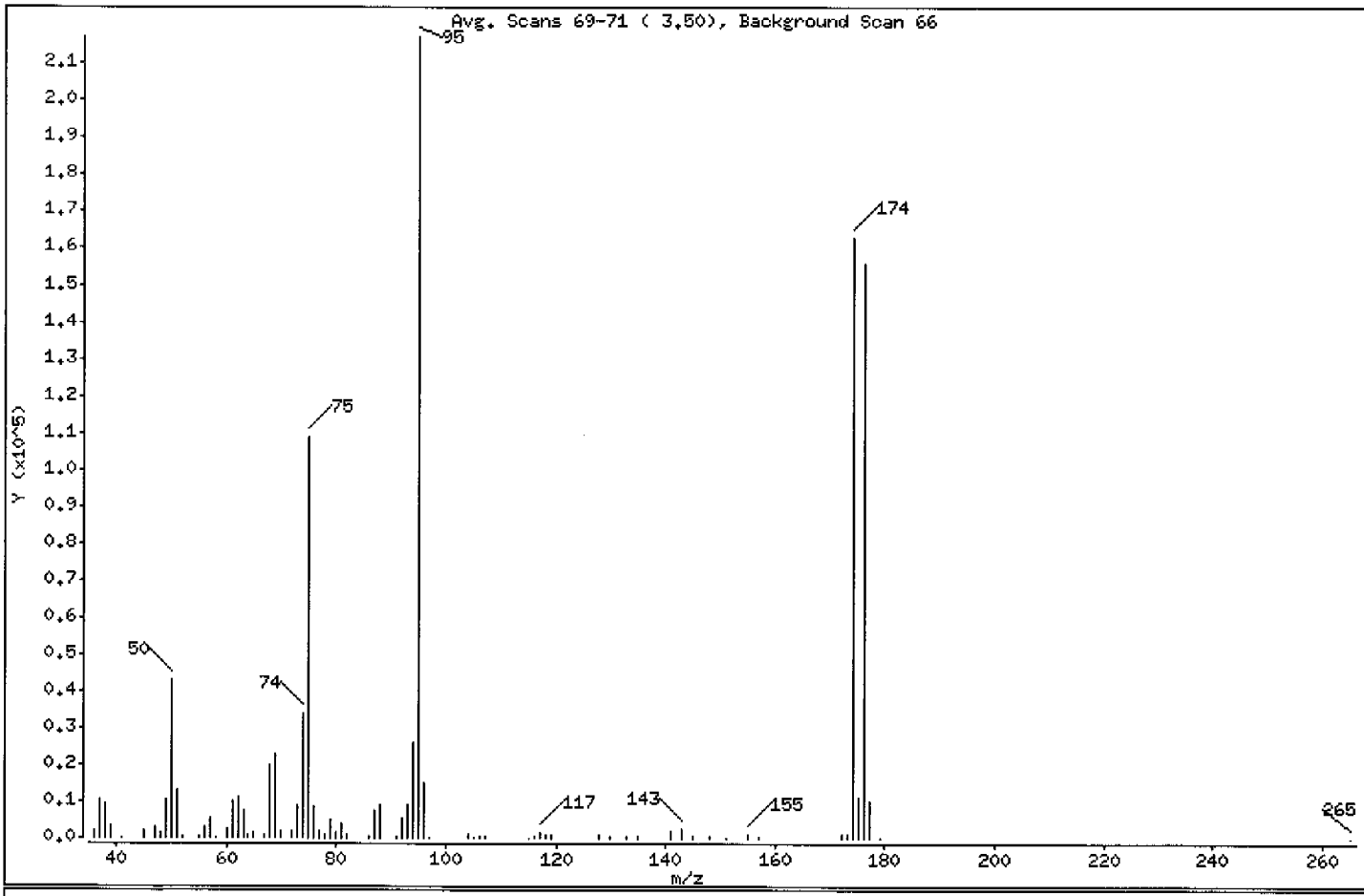
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.67
75	30.00 - 60.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.41 (0.55)
174	50.00 - 100.00% of mass 95	74.89
175	5.00 - 9.00% of mass 174	5.04 (6.74)
176	95.00 - 101.00% of mass 174	71.63 (95.64)
177	5.00 - 9.00% of mass 176	4.64 (6.47)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\BFB227.D

Date : 03-SEP-2004 07:48

Client ID: 50NG BFB | Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 43582

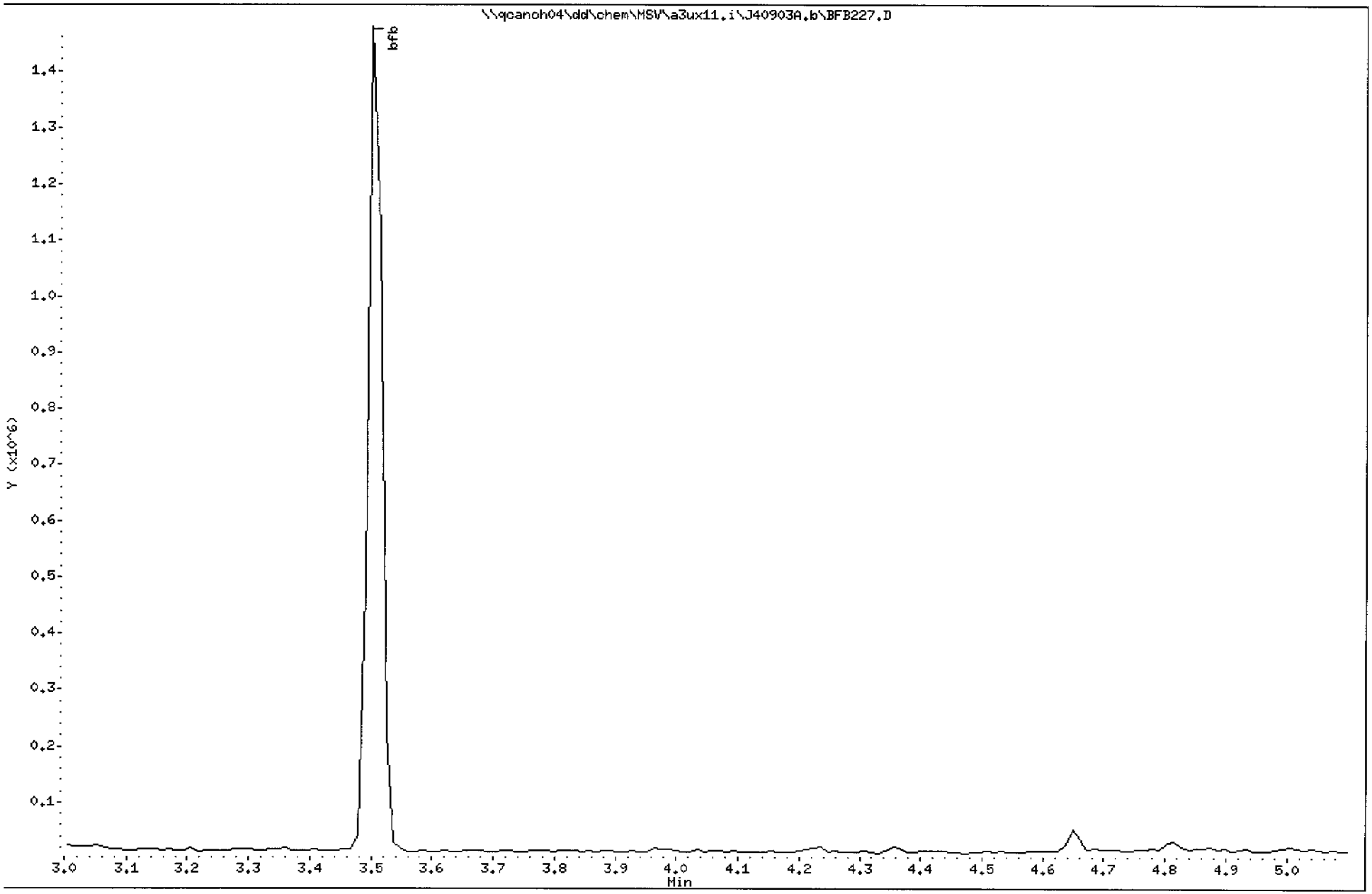
Column phase: DB624 20M | Column diameter: 0.18

Data File: BFB227.D
Spectrum: Avg. Scans 69-71 (3.50), Background Scan 66
Location of Maximum: 95.00
Number of points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2035	63.00	7625	87.00	7588	130.00	631
37.00	10496	64.00	964	88.00	8816	133.00	417
38.00	9334	65.00	1507	91.00	569	135.00	297
39.00	3316	67.00	848	92.00	5395	141.00	1798
41.00	181	68.00	19824	93.00	8751	143.00	2258
45.00	2085	69.00	22976	94.00	26208	145.00	576
47.00	2800	70.00	1984	95.00	217152	148.00	372
48.00	1521	72.00	1821	96.00	15113	151.00	245
49.00	10514	73.00	8987	97.00	208	155.00	763
50.00	42728	74.00	34096	104.00	991	157.00	540
51.00	13206	75.00	108720	105.00	192	172.00	1159
52.00	691	76.00	8649	106.00	633	173.00	887
55.00	541	77.00	1750	107.00	362	174.00	162624
56.00	3141	78.00	1012	115.00	167	175.00	10957
57.00	5607	79.00	5049	116.00	269	176.00	155520
58.00	185	80.00	1632	117.00	1378	177.00	10069
60.00	2688	81.00	3933	118.00	822	179.00	230
61.00	10103	82.00	950	119.00	1066	265.00	198
62.00	11066	86.00	469	128.00	947		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\BFB227.D
Date : 03-SEP-2004 07:48
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I030000-482 GPL151AD-LCSD
Prep Date.....: 09/02/04 **Analysis Date..:** 09/02/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	66	(22 - 200)			SW846 8260B
	61	(22 - 200)	7.6	(0-95)	SW846 8260B
Benzene	**91**	**(80 - 116)**			**SW846 8260B**
	90	**(80 - 116)**	**1.6**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	97	(87 - 130)			SW846 8260B
	95	(87 - 130)	2.1	(0-30)	SW846 8260B
Bromoform	85	(76 - 150)			SW846 8260B
	84	(76 - 150)	0.49	(0-30)	SW846 8260B
Bromomethane	96	(64 - 129)			SW846 8260B
	98	(64 - 129)	1.7	(0-30)	SW846 8260B
2-Butanone	75	(28 - 237)			SW846 8260B
	73	(28 - 237)	2.4	(0-65)	SW846 8260B
Carbon disulfide	74	(73 - 139)			SW846 8260B
	78	(73 - 139)	5.9	(0-30)	SW846 8260B
Carbon tetrachloride	81	(75 - 149)			SW846 8260B
	91	(75 - 149)	11	(0-30)	SW846 8260B
Chlorobenzene	**96**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**0.88**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	100	(81 - 138)			SW846 8260B
	98	(81 - 138)	1.5	(0-30)	SW846 8260B
Chloroethane	78	(66 - 126)			SW846 8260B
	78	(66 - 126)	0.24	(0-30)	SW846 8260B
Chloroform	92	(84 - 128)			SW846 8260B
	89	(84 - 128)	2.8	(0-30)	SW846 8260B
Chloromethane	78	(48 - 123)			SW846 8260B
	73	(48 - 123)	6.7	(0-30)	SW846 8260B
1,1-Dichloroethane	92	(86 - 123)			SW846 8260B
	92	(86 - 123)	0.41	(0-30)	SW846 8260B
1,2-Dichloroethane	96	(79 - 136)			SW846 8260B
	95	(79 - 136)	1.2	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	88	(85 - 113)			SW846 8260B
	85	(85 - 113)	4.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	96	(79 - 120)			SW846 8260B
	97	(79 - 120)	1.6	(0-30)	SW846 8260B
1,1-Dichloroethene	**76**	**(63 - 130)**			**SW846 8260B**
	85	**(63 - 130)**	**11**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	92	(82 - 116)			SW846 8260B
	91	(82 - 116)	1.0	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I030000-482 GPL151AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	105	(82 - 115)			SW846 8260B
	102	(82 - 115)	2.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	97	(84 - 130)			SW846 8260B
	96	(84 - 130)	1.6	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	92	(84 - 130)			SW846 8260B
	90	(84 - 130)	2.8	(0-30)	SW846 8260B
Ethylbenzene	95	(86 - 116)			SW846 8260B
	97	(86 - 116)	1.7	(0-30)	SW846 8260B
2-Hexanone	85	(35 - 200)			SW846 8260B
	82	(35 - 200)	3.0	(0-52)	SW846 8260B
Methylene chloride	89	(78 - 118)			SW846 8260B
	82	(78 - 118)	7.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone	89	(78 - 141)			SW846 8260B
	88	(78 - 141)	1.0	(0-32)	SW846 8260B
Styrene	97	(85 - 117)			SW846 8260B
	96	(85 - 117)	1.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	120 a	(85 - 118)			SW846 8260B
	114	(85 - 118)	5.2	(0-30)	SW846 8260B
Tetrachloroethene	84 a	(88 - 113)			SW846 8260B
	90	(88 - 113)	7.4	(0-30)	SW846 8260B
Toluene	**101**	**(74 - 119)**			**SW846 8260B**
	100	**(74 - 119)**	**1.5**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	87	(78 - 140)			SW846 8260B
	91	(78 - 140)	4.5	(0-30)	SW846 8260B
1,1,2-Trichloroethane	101	(83 - 122)			SW846 8260B
	99	(83 - 122)	2.3	(0-30)	SW846 8260B
Trichloroethene	**89**	**(75 - 122)**			**SW846 8260B**
	87	**(75 - 122)**	**2.5**	**(0-20)**	**SW846 8260B**
Vinyl chloride	86	(61 - 120)			SW846 8260B
	95	(61 - 120)	9.8	(0-30)	SW846 8260B
Xylenes (total)	95	(87 - 116)			SW846 8260B
	94	(87 - 116)	0.65	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	97	(61 - 128)
Toluene-d8	108	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	106	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I030000-482 GPL151AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I030000-482 GPL151AD-LCSD
Prep Date.....: 09/02/04 **Analysis Date..:** 09/02/04
Prep Batch #...: 4247482
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	6.6	ug/L	66		SW846 8260B
	10	6.1	ug/L	61	7.6	SW846 8260B
Benzene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**9.0**	**ug/L**	**90**	**1.6**	**SW846 8260B**
Bromodichloromethane	10	9.7	ug/L	97		SW846 8260B
	10	9.5	ug/L	95	2.1	SW846 8260B
Bromoform	10	8.5	ug/L	85		SW846 8260B
	10	8.4	ug/L	84	0.49	SW846 8260B
Bromomethane	10	9.6	ug/L	96		SW846 8260B
	10	9.8	ug/L	98	1.7	SW846 8260B
2-Butanone	10	7.5	ug/L	75		SW846 8260B
	10	7.3	ug/L	73	2.4	SW846 8260B
Carbon disulfide	10	7.4	ug/L	74		SW846 8260B
	10	7.8	ug/L	78	5.9	SW846 8260B
Carbon tetrachloride	10	8.1	ug/L	81		SW846 8260B
	10	9.1	ug/L	91	11	SW846 8260B
Chlorobenzene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**0.88**	**SW846 8260B**
Dibromochloromethane	10	10	ug/L	100		SW846 8260B
	10	9.8	ug/L	98	1.5	SW846 8260B
Chloroethane	10	7.8	ug/L	78		SW846 8260B
	10	7.8	ug/L	78	0.24	SW846 8260B
Chloroform	10	9.2	ug/L	92		SW846 8260B
	10	8.9	ug/L	89	2.8	SW846 8260B
Chloromethane	10	7.8	ug/L	78		SW846 8260B
	10	7.3	ug/L	73	6.7	SW846 8260B
1,1-Dichloroethane	10	9.2	ug/L	92		SW846 8260B
	10	9.2	ug/L	92	0.41	SW846 8260B
1,2-Dichloroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.5	ug/L	95	1.2	SW846 8260B
cis-1,2-Dichloroethene	10	8.8	ug/L	88		SW846 8260B
	10	8.5	ug/L	85	4.0	SW846 8260B
trans-1,2-Dichloroethene	10	9.6	ug/L	96		SW846 8260B
	10	9.7	ug/L	97	1.6	SW846 8260B
1,1-Dichloroethene	**10**	**7.6**	**ug/L**	**76**		**SW846 8260B**
	10	**8.5**	**ug/L**	**85**	**11**	**SW846 8260B**
1,2-Dichloroethene (total)	20	18	ug/L	92		SW846 8260B
	20	18	ug/L	91	1.0	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I030000-482 GPL151AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	10	ug/L	105		SW846 8260B
	10	10	ug/L	102	2.8	SW846 8260B
cis-1,3-Dichloropropene	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	1.6	SW846 8260B
trans-1,3-Dichloropropene	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.8	SW846 8260B
Ethylbenzene	10	9.5	ug/L	95		SW846 8260B
	10	9.7	ug/L	97	1.7	SW846 8260B
2-Hexanone	10	8.5	ug/L	85		SW846 8260B
	10	8.2	ug/L	82	3.0	SW846 8260B
Methylene chloride	10	8.9	ug/L	89		SW846 8260B
	10	8.2	ug/L	82	7.6	SW846 8260B
4-Methyl-2-pentanone	10	8.9	ug/L	89		SW846 8260B
	10	8.8	ug/L	88	1.0	SW846 8260B
Styrene	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	1.2	SW846 8260B
1,1,2,2-Tetrachloroethane	10	12 a	ug/L	120		SW846 8260B
	10	11	ug/L	114	5.2	SW846 8260B
Tetrachloroethene	10	8.4 a	ug/L	84		SW846 8260B
	10	9.0	ug/L	90	7.4	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**1.5**	**SW846 8260B**
1,1,1-Trichloroethane	10	8.7	ug/L	87		SW846 8260B
	10	9.1	ug/L	91	4.5	SW846 8260B
1,1,2-Trichloroethane	10	10	ug/L	101		SW846 8260B
	10	9.9	ug/L	99	2.3	SW846 8260B
Trichloroethene	**10**	**8.9**	**ug/L**	**89**		**SW846 8260B**
	10	**8.7**	**ug/L**	**87**	**2.5**	**SW846 8260B**
Vinyl chloride	10	8.6	ug/L	86		SW846 8260B
	10	9.5	ug/L	95	9.8	SW846 8260B
Xylenes (total)	30	28	ug/L	95		SW846 8260B
	30	28	ug/L	94	0.65	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	97	(61 - 128)
Toluene-d8	108	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	106	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

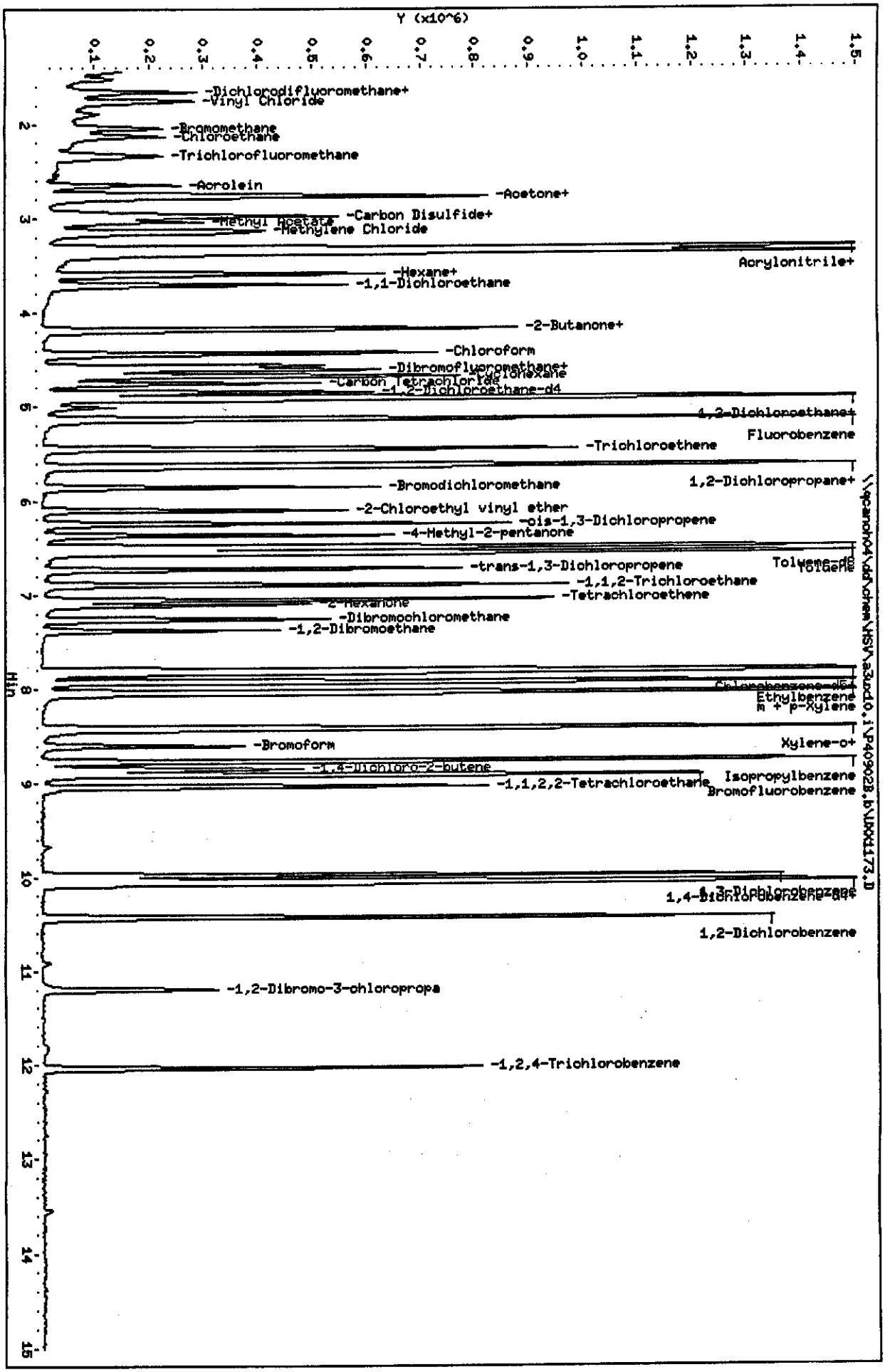
Client Lot #...: 4I02164 **Work Order #...:** GPL151AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I030000-482 GPL151AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.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Date : 02-SEP-2004 18:29
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,4-Dichlorobenzene-d4+
1,3-Dichlorobenzene
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcandh04\dd\chem\HSV\a3ud10.i\P409028.b\UX01173.D
GPL151AC

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1173.D
Report Date: 03-Sep-2004 16:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1173.D
Lab Smp Id: CHECK
Inj Date : 02-SEP-2004 18:29
Operator : 1904
Smp Info : CHECK
Misc Info : P40902B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 16:53 quayler
Cal Date : 24-AUG-2004 06:27
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV02

Inst ID: a3ux10.i

Quant Type: ISTD
Cal File: UXX0877.D
QC Sample: METHSPIKE

Compound Sublist: 2-8260.SUB

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1666058	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1218693	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	593343	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	307449	49.2000	9.840
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	438036	50.8410	10.168
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1355704	53.9858	10.797
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	512348	52.5169	10.503
8 Dichlorodifluoromethane	85	1.525	1.526	(0.297)	122087	31.3433	6.269
9 Chloromethane	50	1.655	1.656	(0.322)	335159	39.1112	7.822
10 Vinyl Chloride	62	1.762	1.750	(0.343)	321747	42.9229	8.584
11 Bromomethane	94	2.046	2.046	(0.399)	164050	48.0444	9.609
12 Chloroethane	64	2.129	2.129	(0.415)	237108	39.1208	7.824
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	302764	31.2202	6.244
15 Acrolein	56	2.649	2.650	(0.516)	281276	154.770	30.954
16 Acetone	43	2.768	2.768	(0.539)	194962	32.7691	6.554
17 1,1-Dichloroethene	96	2.768	2.768	(0.539)	248501	38.0227	7.604
18 Freon-113	151	2.779	2.780	(0.541)	176273	37.2793	7.456
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1173.D
Report Date: 03-Sep-2004 16:56

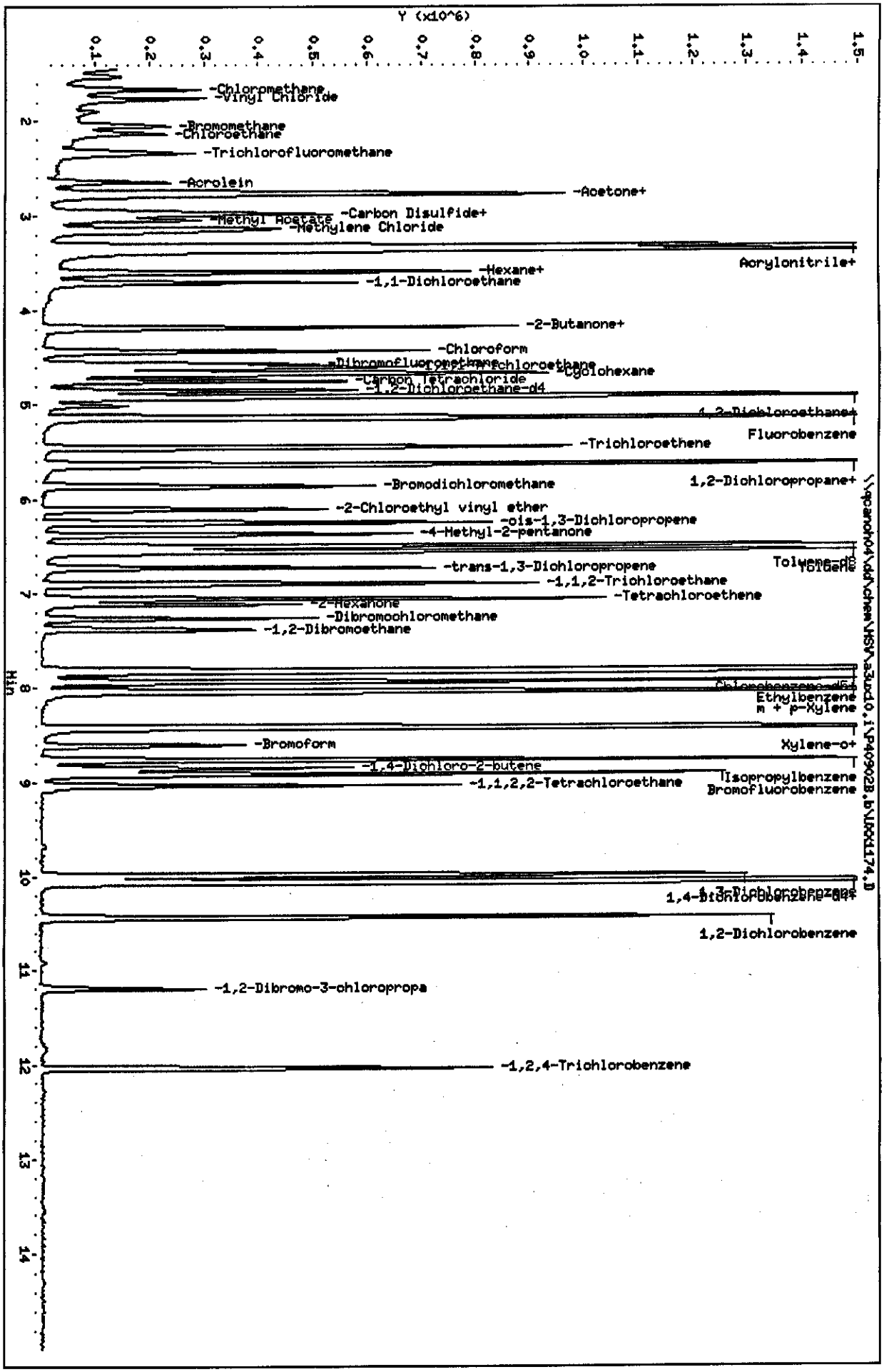
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.969	2.969	(0.578)	697850	36.8561	7.371
	21 Methylene Chloride	84	3.134	3.135	(0.611)	337918	44.4738	8.895
	22 Acetonitrile	41	2.992	2.993	(0.583)	553072	504.721	100.94
	23 Acrylonitrile	53	3.312	3.312	(0.645)	1989308	480.671	96.134
	24 Methyl tert-butyl ether	73	3.371	3.372	(0.657)	1099617	47.8213	9.564
	25 trans-1,2-Dichloroethene	96	3.371	3.372	(0.657)	348907	47.8675	9.573
	26 Hexane	86	3.596	3.596	(0.700)	63454	43.4016	8.680
	27 Vinyl acetate	43	3.596	3.726	(0.700)	205484	11.7828	2.356
	28 1,1-Dichloroethane	63	3.702	3.703	(0.721)	582984	45.9490	9.190
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.176	(0.813)	261044	37.4659	7.493
M	31 1,2-Dichloroethene (total)	96				695521	91.9495	18.390
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	346614	44.0820	8.816
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.436	4.436	(0.864)	595093	45.8383	9.168
	36 Tetrahydrofuran	42	4.176	4.425	(0.813)	17250	4.28484	0.8570
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	435929	43.5926	8.718
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.755	4.756	(0.926)	332211	40.4971	8.099
	40 1,2-Dichloroethane	62	4.909	4.910	(0.956)	519347	47.8784	9.576
	41 Benzene	78	4.909	4.910	(0.956)	1430040	45.4749	9.095
	42 Trichloroethene	130	5.454	5.454	(1.062)	366074	44.4348	8.887
	43 1,2-Dichloropropane	63	5.631	5.632	(1.097)	348191	52.2836	10.457
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	437932	48.6114	9.722
	47 2-Chloroethyl vinyl ether	63	6.104	6.105	(1.189)	237345	52.3832	10.477
	48 cis-1,3-Dichloropropene	75	6.246	6.247	(1.217)	492079	48.6578	9.732
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	499160	44.2999	8.860
	50 Toluene	91	6.554	6.555	(0.839)	1553580	50.6013	10.120
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	459157	46.1391	9.228
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.897	6.898	(0.883)	321340	50.6312	10.126
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	247400	41.8704	8.374
	56 2-Hexanone	43	7.110	7.111	(0.911)	357914	42.3505	8.470
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	311782	49.7996	9.960
	58 1,2-Dibromoethane	107	7.382	7.383	(0.945)	332586	50.5741	10.115
	59 Chlorobenzene	112	7.832	7.832	(1.003)	951235	47.9142	9.583
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.927	7.927	(1.015)	501218	47.4813	9.496
	62 m + p-Xylene	106	8.033	8.034	(1.029)	1306146	96.2317	19.246
M	63 Xylenes (total)	106				1934489	142.369	28.474
	64 Xylene-o	106	8.412	8.412	(1.077)	628343	46.1369	9.227
	65 Styrene	104	8.424	8.424	(1.079)	1050693	48.3737	9.675
	66 Bromoform	173	8.601	8.602	(1.102)	201022	42.3878	8.478

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1173.D
Report Date: 03-Sep-2004 16:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1486017	46.7010	9.340
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	463590	60.2270	12.045
69 1,4-Dichloro-2-butene	53	8.850	9.087	(0.881)	12715	5.14165	1.028
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	681284	46.9835	9.397
81 1,4-Dichlorobenzene	146	10.068	10.069	(1.002)	747483	48.4496	9.690
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.435	10.436	(1.039)	658962	46.3829	9.276
84 1,2-Dibromo-3-chloropropane	157	11.204	11.205	(1.115)	97428	45.5452	9.109
85 1,2,4-Trichlorobenzene	180	12.044	12.045	(1.199)	308914	37.1548	7.431
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.673	4.673	(0.910)	407353	35.6339	7.127
143 Methyl Acetate	43	3.040	3.040	(0.592)	378187	44.0661	8.813
144 Methylcyclohexane	83	5.631	5.632	(1.097)	381730	35.6976	7.140
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P409028.b\UXX1174.D
Date : 02-SEP-2004 18:52
Client ID: GPL151AD
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1174.D
Report Date: 03-Sep-2004 16:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1174.D
Lab Smp Id: CHECK
Inj Date : 02-SEP-2004 18:52
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P40902B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 16:53 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.136	5.135	(1.000)	1677061	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.809	(1.000)	1217986	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.045	(1.000)	587970	50.0000	
$ 4 Dibromofluoromethane	113	4.568	4.567	(0.889)	318354	50.6109	10.122
$ 5 1,2-Dichloroethane-d4	65	4.852	4.851	(0.945)	420870	48.5282	9.706
$ 6 Toluene-d8	98	6.497	6.495	(0.832)	1335434	53.2094	10.642
$ 7 Bromofluorobenzene	95	8.911	8.909	(1.141)	516075	52.9296	10.586
8 Dichlorodifluoromethane	85	1.515	1.526	(0.295)	161613	40.7406	8.148
9 Chloromethane	50	1.657	1.656	(0.323)	315345	36.5576	7.312
10 Vinyl Chloride	62	1.752	1.750	(0.341)	357062	47.3216	9.464
11 Bromomethane	94	2.048	2.046	(0.399)	168212	48.8708	9.774
12 Chloroethane	64	2.130	2.129	(0.415)	238103	39.0272	7.805
13 Trichlorofluoromethane	101	2.343	2.342	(0.456)	368740	37.2704	7.454
15 Acrolein	56	2.651	2.650	(0.516)	274404	149.998	30.000
16 Acetone	43	2.769	2.768	(0.539)	181891	30.3715	6.074
17 1,1-Dichloroethene	96	2.769	2.768	(0.539)	278222	42.2909	8.458
18 Freon-113	151	2.769	2.780	(0.539)	222548	46.7570	9.351
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1174.D
Report Date: 03-Sep-2004 16:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.970	2.969	(0.578)	745128	39.0949	7.819
	21 Methylene Chloride	84	3.148	3.135	(0.613)	317990	41.2199	8.244
	22 Acetonitrile	41	2.982	2.993	(0.581)	472045	424.302	84.860
	23 Acrylonitrile	53	3.314	3.312	(0.645)	1983476	476.117	95.223
	24 Methyl tert-butyl ether	73	3.361	3.372	(0.654)	1057579	45.6914	9.138
	25 trans-1,2-Dichloroethene	96	3.373	3.372	(0.657)	356978	48.6535	9.731
	26 Hexane	86	3.598	3.596	(0.701)	77426	52.6108	10.522
	27 Vinyl acetate	43	3.598	3.726	(0.701)	268377	15.2883	3.058
	28 1,1-Dichloroethane	63	3.704	3.703	(0.721)	589243	46.1376	9.228
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.177	4.176	(0.813)	256530	36.5765	7.315
M	31 1,2-Dichloroethene (total)	96				692211	91.0083	18.202
	32 cis-1,2-dichloroethene	96	4.177	4.176	(0.813)	335233	42.3548	8.471
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.438	4.436	(0.864)	582156	44.5476	8.910
	36 Tetrahydrofuran	42	4.177	4.425	(0.813)	19079	4.70807	0.9416
	37 1,1,1-Trichloroethane	97	4.603	4.602	(0.896)	458882	45.5869	9.117
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.757	4.756	(0.926)	374390	45.3394	9.068
	40 1,2-Dichloroethane	62	4.911	4.910	(0.956)	516308	47.2859	9.457
	41 Benzene	78	4.911	4.910	(0.956)	1416834	44.7594	8.952
	42 Trichloroethene	130	5.455	5.454	(1.062)	359283	43.3243	8.665
	43 1,2-Dichloropropane	63	5.633	5.632	(1.097)	340860	50.8470	10.169
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.858	5.856	(1.141)	431507	47.5840	9.517
	47 2-Chloroethyl vinyl ether	63	6.106	6.105	(1.189)	224377	49.1962	9.839
	48 cis-1,3-Dichloropropene	75	6.248	6.247	(1.217)	487473	47.8861	9.577
	49 4-Methyl-2-pentanone	43	6.366	6.365	(1.240)	497335	43.8483	8.770
	50 Toluene	91	6.556	6.555	(0.839)	1528917	49.8269	9.965
	51 trans-1,3-Dichloropropene	75	6.733	6.732	(0.862)	445983	44.8413	8.968
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.899	6.898	(0.883)	313891	49.4862	9.897
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.053	7.063	(0.903)	266183	45.0754	9.015
	56 2-Hexanone	43	7.112	7.111	(0.911)	347191	41.1056	8.221
	57 Dibromochloromethane	129	7.266	7.264	(0.930)	306952	49.0566	9.811
	58 1,2-Dibromoethane	107	7.384	7.383	(0.945)	317857	48.3624	9.672
	59 Chlorobenzene	112	7.834	7.832	(1.003)	942350	47.4942	9.499
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.928	7.927	(1.015)	509694	48.3123	9.662
	62 m + p-Xylene	106	8.035	8.034	(1.029)	1299400	95.7903	19.158
M	63 Xylenes (total)	106				1920686	141.435	28.287
	64 Xylene-o	106	8.414	8.412	(1.077)	621286	45.6452	9.129
	65 Styrene	104	8.425	8.424	(1.079)	1037062	47.7739	9.555
	66 Bromoform	173	8.603	8.602	(1.102)	199865	42.1824	8.436

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1174.D
Report Date: 03-Sep-2004 16:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.769	8.767	(1.123)	1531227	48.1497	9.630
68 1,1,2,2-Tetrachloroethane	83	9.041	9.039	(0.900)	436291	57.1984	11.440
69 1,4-Dichloro-2-butene	53	8.851	9.087	(0.881)	13858	5.65506	1.131
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.986	(0.994)	659218	45.8772	9.175
81 1,4-Dichlorobenzene	146	10.070	10.069	(1.002)	728629	47.6591	9.532
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.436	(1.039)	653550	46.4223	9.284
84 1,2-Dibromo-3-chloropropane	157	11.206	11.205	(1.115)	93437	44.0786	8.816
85 1,2,4-Trichlorobenzene	180	12.034	12.045	(1.198)	309873	37.6107	7.522
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.674	4.673	(0.910)	511980	44.4924	8.898
143 Methyl Acetate	43	3.041	3.040	(0.592)	378100	43.7669	8.753
144 Methylcyclohexane	83	5.633	5.632	(1.097)	479440	44.5408	8.908
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I070000-210 GPPEH1AD-LCSD
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	59	(22 - 200)			SW846 8260B
	61	(22 - 200)	2.8	(0-95)	SW846 8260B
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	95	**(80 - 116)**	**3.0**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	112	(87 - 130)			SW846 8260B
	110	(87 - 130)	1.7	(0-30)	SW846 8260B
Bromoform	110	(76 - 150)			SW846 8260B
	107	(76 - 150)	2.7	(0-30)	SW846 8260B
Bromomethane	143 a	(64 - 129)			SW846 8260B
	148 a	(64 - 129)	3.2	(0-30)	SW846 8260B
2-Butanone	72	(28 - 237)			SW846 8260B
	70	(28 - 237)	2.6	(0-65)	SW846 8260B
Carbon disulfide	117	(73 - 139)			SW846 8260B
	109	(73 - 139)	6.8	(0-30)	SW846 8260B
Carbon tetrachloride	143	(75 - 149)			SW846 8260B
	130	(75 - 149)	9.8	(0-30)	SW846 8260B
Chlorobenzene	**102**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**2.1**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	119	(81 - 138)			SW846 8260B
	119	(81 - 138)	0.080	(0-30)	SW846 8260B
Chloroethane	115	(66 - 126)			SW846 8260B
	109	(66 - 126)	5.6	(0-30)	SW846 8260B
Chloroform	104	(84 - 128)			SW846 8260B
	102	(84 - 128)	2.1	(0-30)	SW846 8260B
Chloromethane	80	(48 - 123)			SW846 8260B
	75	(48 - 123)	6.6	(0-30)	SW846 8260B
1,1-Dichloroethane	104	(86 - 123)			SW846 8260B
	101	(86 - 123)	3.0	(0-30)	SW846 8260B
1,2-Dichloroethane	106	(79 - 136)			SW846 8260B
	108	(79 - 136)	2.3	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	96	(85 - 113)			SW846 8260B
	95	(85 - 113)	0.11	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	105	(79 - 120)			SW846 8260B
	101	(79 - 120)	3.7	(0-30)	SW846 8260B
1,1-Dichloroethene	**110**	**(63 - 130)**			**SW846 8260B**
	99	**(63 - 130)**	**10**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	100	(82 - 116)			SW846 8260B
	98	(82 - 116)	2.0	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I070000-210 GPPEH1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	100	(82 - 115)			SW846 8260B
	96	(82 - 115)	3.4	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	89	(84 - 130)			SW846 8260B
	89	(84 - 130)	0.090	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	96	(84 - 130)			SW846 8260B
	95	(84 - 130)	0.28	(0-30)	SW846 8260B
Ethylbenzene	107	(86 - 116)			SW846 8260B
	102	(86 - 116)	5.4	(0-30)	SW846 8260B
2-Hexanone	66	(35 - 200)			SW846 8260B
	68	(35 - 200)	3.0	(0-52)	SW846 8260B
Methylene chloride	94	(78 - 118)			SW846 8260B
	95	(78 - 118)	0.52	(0-30)	SW846 8260B
4-Methyl-2-pentanone	78	(78 - 141)			SW846 8260B
	77 a	(78 - 141)	0.34	(0-32)	SW846 8260B
Styrene	100	(85 - 117)			SW846 8260B
	97	(85 - 117)	3.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	103	(85 - 118)			SW846 8260B
	103	(85 - 118)	0.66	(0-30)	SW846 8260B
Tetrachloroethene	110	(88 - 113)			SW846 8260B
	104	(88 - 113)	5.5	(0-30)	SW846 8260B
Toluene	**110**	**(74 - 119)**			**SW846 8260B**
	106	**(74 - 119)**	**3.9**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	123	(78 - 140)			SW846 8260B
	115	(78 - 140)	7.0	(0-30)	SW846 8260B
1,1,2-Trichloroethane	103	(83 - 122)			SW846 8260B
	103	(83 - 122)	0.59	(0-30)	SW846 8260B
Trichloroethene	**104**	**(75 - 122)**			**SW846 8260B**
	97	**(75 - 122)**	**6.9**	**(0-20)**	**SW846 8260B**
Vinyl chloride	114	(61 - 120)			SW846 8260B
	109	(61 - 120)	4.3	(0-30)	SW846 8260B
Xylenes (total)	110	(87 - 116)			SW846 8260B
	107	(87 - 116)	3.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	110	(61 - 128)
Toluene-d8	105	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	107	(74 - 116)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I070000-210 GPPEH1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I070000-210 GPPEH1AD-LCSD
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	5.9	ug/L	59		SW846 8260B
	10	6.1	ug/L	61	2.8	SW846 8260B
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**3.0**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	112		SW846 8260B
	10	11	ug/L	110	1.7	SW846 8260B
Bromoform	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	107	2.7	SW846 8260B
Bromomethane	10	14 a	ug/L	143		SW846 8260B
	10	15 a	ug/L	148	3.2	SW846 8260B
2-Butanone	10	7.2	ug/L	72		SW846 8260B
	10	7.0	ug/L	70	2.6	SW846 8260B
Carbon disulfide	10	12	ug/L	117		SW846 8260B
	10	11	ug/L	109	6.8	SW846 8260B
Carbon tetrachloride	10	14	ug/L	143		SW846 8260B
	10	13	ug/L	130	9.8	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**2.1**	**SW846 8260B**
Dibromochloromethane	10	12	ug/L	119		SW846 8260B
	10	12	ug/L	119	0.080	SW846 8260B
Chloroethane	10	12	ug/L	115		SW846 8260B
	10	11	ug/L	109	5.6	SW846 8260B
Chloroform	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	102	2.1	SW846 8260B
Chloromethane	10	8.0	ug/L	80		SW846 8260B
	10	7.5	ug/L	75	6.6	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	101	3.0	SW846 8260B
1,2-Dichloroethane	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	108	2.3	SW846 8260B
cis-1,2-Dichloroethene	10	9.6	ug/L	96		SW846 8260B
	10	9.5	ug/L	95	0.11	SW846 8260B
trans-1,2-Dichloroethene	10	11	ug/L	105		SW846 8260B
	10	10	ug/L	101	3.7	SW846 8260B
1,1-Dichloroethene	**10**	**11**	**ug/L**	**110**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**10**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	100		SW846 8260B
	20	20	ug/L	98	2.0	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I070000-210 GPPEH1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	10	ug/L	100		SW846 8260B
	10	9.6	ug/L	96	3.4	SW846 8260B
cis-1,3-Dichloropropene	10	8.9	ug/L	89		SW846 8260B
	10	8.9	ug/L	89	0.090	SW846 8260B
trans-1,3-Dichloropropene	10	9.6	ug/L	96		SW846 8260B
	10	9.5	ug/L	95	0.28	SW846 8260B
Ethylbenzene	10	11	ug/L	107		SW846 8260B
	10	10	ug/L	102	5.4	SW846 8260B
2-Hexanone	10	6.6	ug/L	66		SW846 8260B
	10	6.8	ug/L	68	3.0	SW846 8260B
Methylene chloride	10	9.4	ug/L	94		SW846 8260B
	10	9.5	ug/L	95	0.52	SW846 8260B
4-Methyl-2-pentanone	10	7.8	ug/L	78		SW846 8260B
	10	7.7 a	ug/L	77	0.34	SW846 8260B
Styrene	10	10	ug/L	100		SW846 8260B
	10	9.7	ug/L	97	3.2	SW846 8260B
1,1,2,2-Tetrachloroethane	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	103	0.66	SW846 8260B
Tetrachloroethene	10	11	ug/L	110		SW846 8260B
	10	10	ug/L	104	5.5	SW846 8260B
Toluene	**10**	**11**	**ug/L**	**110**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**3.9**	**SW846 8260B**
1,1,1-Trichloroethane	10	12	ug/L	123		SW846 8260B
	10	11	ug/L	115	7.0	SW846 8260B
1,1,2-Trichloroethane	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	103	0.59	SW846 8260B
Trichloroethene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**6.9**	**SW846 8260B**
Vinyl chloride	10	11	ug/L	114		SW846 8260B
	10	11	ug/L	109	4.3	SW846 8260B
Xylenes (total)	30	33	ug/L	110		SW846 8260B
	30	32	ug/L	107	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	110	(61 - 128)
Toluene-d8	105	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	107	(74 - 116)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

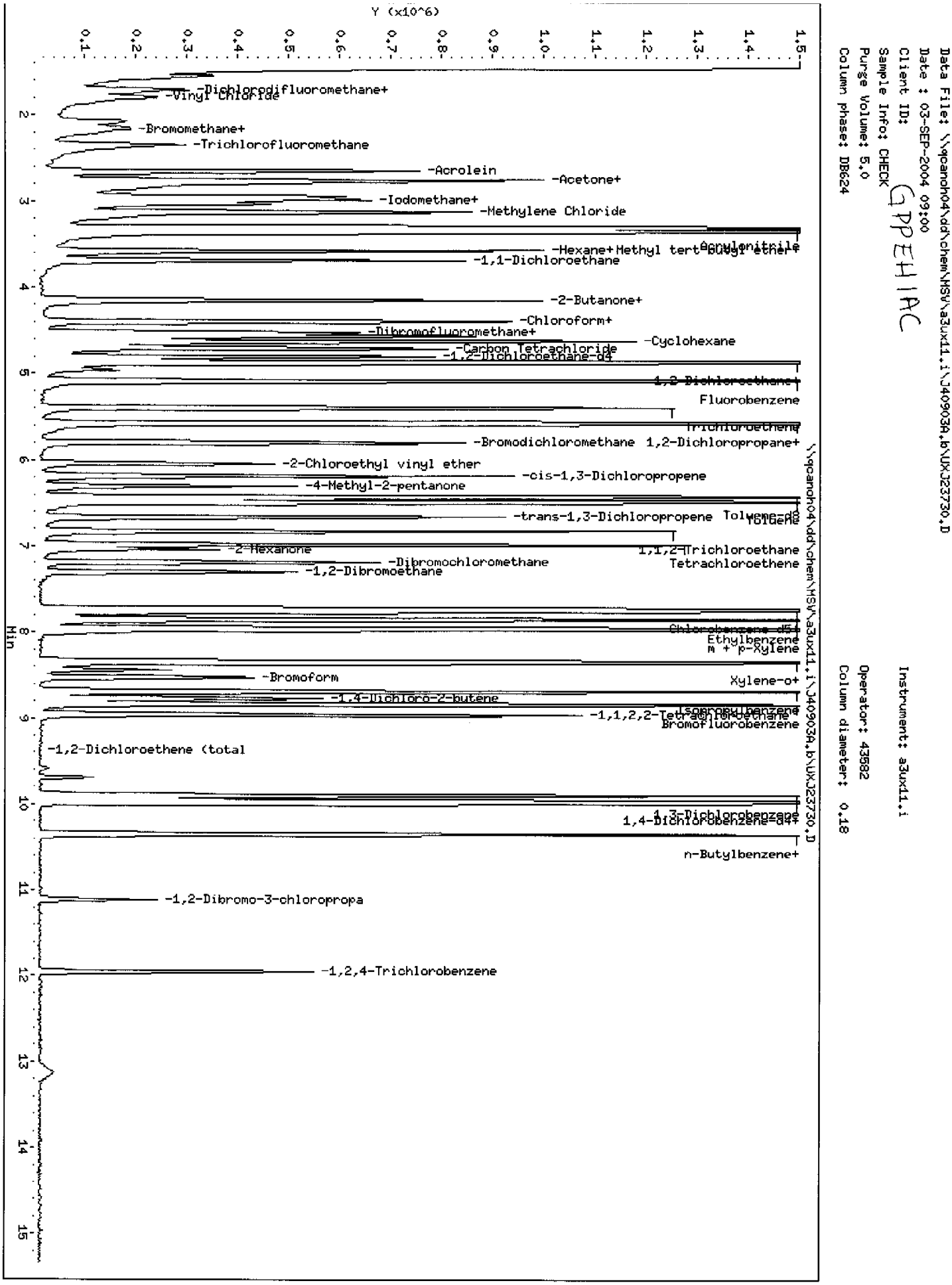
Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I070000-210 GPPEH1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.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Date : 03-SEP-2004 09:00
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
Acrylonitrile
-Hexane+Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane 1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene Toluene-d8
Toluene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
Bromofluorobenzene
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23730.D
Report Date: 07-Sep-2004 09:34

STL North Canton

VOLATILE REPORT SW-846 Method

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Smp Info : CHECK
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Comment :
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Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

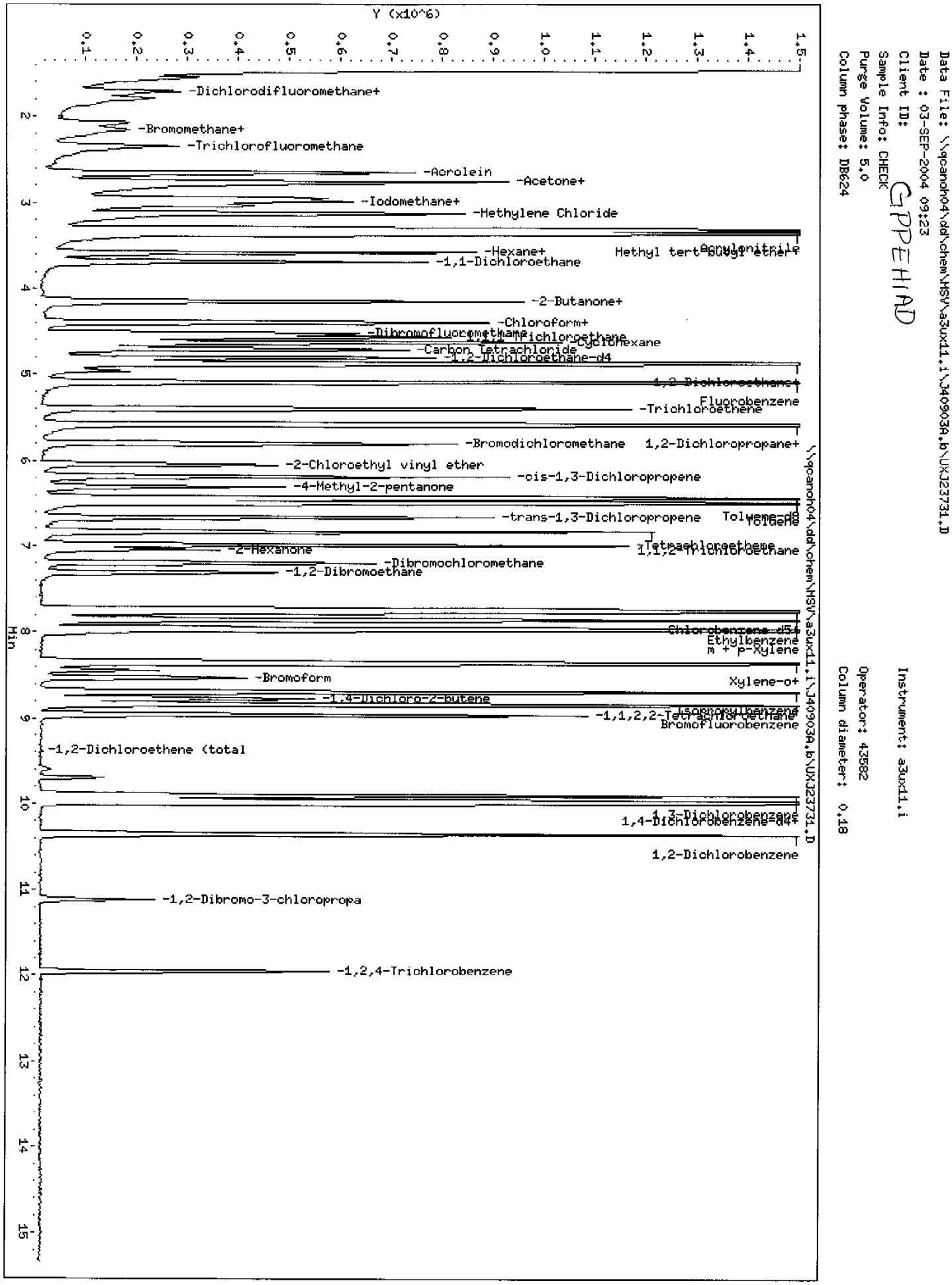
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1855058	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1359558	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	717948	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	438832	50.2663	10.053
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	606861	52.4886	10.498
$ 6 Toluene-d8	98	6.426	6.425	(0.830)	1712172	52.5645	10.513
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	729353	52.8347	10.567
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	469147	63.6683	12.734
9 Chloromethane	50	1.704	1.704	(0.335)	577559	39.8442	7.969
10 Vinyl Chloride	62	1.787	1.787	(0.351)	444373	56.8951	11.379
11 Bromomethane	94	2.071	2.071	(0.407)	242781	71.5231	14.305
12 Chloroethane	64	2.154	2.154	(0.423)	353771	57.6356	11.527
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	608883	67.4204	13.484
15 Acrolein	56	2.651	2.651	(0.521)	847414	507.639	101.53
16 Acetone	43	2.769	2.769	(0.544)	185652	29.6358	5.927
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	476630	54.9270	10.985
18 Freon-113	151	2.769	2.769	(0.544)	360311	65.9497	13.190

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23730.D
Report Date: 07-Sep-2004 09:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.911	2.875	(0.572)	22475	2.57150	0.5143
	20 Carbon Disulfide	76	2.947	2.946	(0.579)	1661928	58.2954	11.659
	21 Methylene Chloride	84	3.124	3.124	(0.614)	613228	47.1609	9.432
	22 Acetonitrile	41	2.982	2.982	(0.586)	627738	448.470	89.694
	23 Acrylonitrile	53	3.302	3.301	(0.649)	1892441	451.707	90.341
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1191054	55.4176	11.084
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.661)	500958	52.6528	10.530
	26 Hexane	86	3.586	3.574	(0.705)	93731	58.3065	11.661
	27 Vinyl acetate	43	3.574	3.704	(0.702)	285891	16.3209	3.264
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	884363	52.1440	10.429
	29 tert-Butyl Alcohol	59	3.029	3.195	(0.595)	29567	34.3889	6.878
	30 2-Butanone	43	4.142	4.130	(0.814)	200197	35.9274	7.185
M	31 1,2-Dichloroethene (total)	96				976729	100.436	20.087
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	475771	47.7836	9.557
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	885920	52.1693	10.434
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	8919	2.93492	0.5870
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	603352	61.5117	12.302
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	514507	71.7012	14.340
	40 1,2-Dichloroethane	62	4.864	4.863	(0.956)	714148	52.7534	10.551
	41 Benzene	78	4.864	4.863	(0.956)	2046602	49.0144	9.803
	42 Trichloroethene	130	5.396	5.396	(1.060)	481530	51.9785	10.396
	43 1,2-Dichloropropane	63	5.574	5.573	(1.095)	506278	49.7931	9.959
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	641003	56.1689	11.234
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	214809	38.7977	7.760
	48 cis-1,3-Dichloropropene	75	6.189	6.177	(1.216)	651895	44.5706	8.914
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	372196	38.8569	7.771
	50 Toluene	91	6.485	6.484	(0.838)	2121074	55.2184	11.044
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	588389	47.7825	9.556
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	451387	51.3828	10.276
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.994	6.993	(0.904)	363351	54.9716	10.994
	56 2-Hexanone	43	7.041	7.041	(0.910)	233896	32.8277	6.566
	57 Dibromochloromethane	129	7.195	7.194	(0.930)	424938	59.3874	11.877
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	436193	51.1979	10.240
	59 Chlorobenzene	112	7.763	7.762	(1.003)	1358412	51.0375	10.207
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	661924	53.6681	10.734
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1791195	111.093	22.219
M	63 Xylenes (total)	106				2623811	164.839	32.968
	64 Xylene-o	106	8.342	8.342	(1.078)	832616	53.7456	10.749
	65 Styrene	104	8.354	8.354	(1.080)	1545605	50.0463	10.009

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23730.D
Report Date: 07-Sep-2004 09:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	261310	54.8793	10.976
67 Isopropylbenzene	105	8.686	8.685	(1.122)	1954826	53.1364	10.627
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	627205	51.7348	10.347
69 1,4-Dichloro-2-butene	53	8.768	9.005	(0.880)	14559	4.31211	0.8624
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	947105	48.5310	9.706
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1048281	50.2284	10.046
82 n-Butylbenzene	91	10.330	10.330	(1.037)	3261	2.62005	0.5240
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	891887	47.0250	9.405
84 1,2-Dibromo-3-chloropropane	157	11.111	11.111	(1.115)	74190	42.5009	8.500
85 1,2,4-Trichlorobenzene	180	11.952	11.951	(1.200)	201505	28.3669	5.673
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	619280	47.6672	9.533
143 Methyl Acetate	43	3.029	3.029	(0.595)	360866	44.8619	8.972
144 Methylcyclohexane	83	5.574	5.573	(1.095)	510556	47.8941	9.579
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23731.D
Date : 03-SEP-2004 09:23
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
Acrylonitrile
-Hexane+
Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
Tetrachloroethene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23731.D
Report Date: 07-Sep-2004 09:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23731.D
Lab Smp Id: CHECK
Inj Date : 03-SEP-2004 09:23
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40903A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1812847	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1337998	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	721386	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	445097	52.1711	10.434
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	619023	54.7871	10.957
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1741038	54.3120	10.862
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	725010	53.3664	10.673
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	439110	61.2096	12.242
9 Chloromethane	50	1.704	1.704	(0.335)	531487	37.2864	7.457
10 Vinyl Chloride	62	1.787	1.787	(0.351)	415966	54.4981	10.900
11 Bromomethane	94	2.071	2.071	(0.407)	244283	73.8461	14.769
12 Chloroethane	64	2.154	2.154	(0.423)	326875	54.4937	10.899
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	528380	60.4049	12.081
15 Acrolein	56	2.651	2.651	(0.521)	823553	504.832	100.97
16 Acetone	43	2.769	2.769	(0.544)	185152	30.4731	6.095
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	420378	49.5725	9.914
18 Freon-113	151	2.769	2.769	(0.544)	320168	59.9666	11.993

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23731.D
Report Date: 07-Sep-2004 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.946	2.875	(0.579)	15155	1.77435	0.3549
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	1516609	54.4368	10.887
	21 Methylene Chloride	84	3.124	3.124	(0.614)	602074	47.4116	9.482
	22 Acetonitrile	41	2.982	2.982	(0.586)	615168	449.723	89.944
	23 Acrylonitrile	53	3.301	3.301	(0.649)	1923142	469.724	93.945
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1174312	55.9109	11.182
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.660)	471812	50.7441	10.149
	26 Hexane	86	3.574	3.574	(0.702)	79774	50.7799	10.156
	27 Vinyl acetate	43	3.574	3.704	(0.702)	258297	15.0890	3.018
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	838818	50.6101	10.122
	29 tert-Butyl Alcohol	59	3.029	3.195	(0.595)	29815	35.4847	7.097
	30 2-Butanone	43	4.142	4.130	(0.814)	190549	34.9922	6.998
M	31 1,2-Dichloroethene (total)	96				936244	98.4749	19.695
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	464432	47.7309	9.546
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	847618	51.0761	10.215
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	6737	2.26852	0.4537
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	549780	57.3551	11.471
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	455917	65.0156	13.003
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	714276	53.9914	10.798
	41 Benzene	78	4.863	4.863	(0.956)	1940250	47.5493	9.510
	42 Trichloroethene	130	5.396	5.396	(1.060)	439047	48.4962	9.699
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	478069	48.1135	9.623
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	615912	55.2269	11.045
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	221192	40.8808	8.176
	48 cis-1,3-Dichloropropene	75	6.189	6.177	(1.216)	637600	44.6082	8.922
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	362443	38.7197	7.744
	50 Toluene	91	6.484	6.484	(0.838)	2008255	53.1238	10.625
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	577384	47.6443	9.529
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	446849	51.6858	10.337
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	338567	52.0473	10.409
	56 2-Hexanone	43	7.041	7.041	(0.910)	237126	33.8173	6.763
	57 Dibromochloromethane	129	7.194	7.194	(0.930)	418522	59.4333	11.887
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	423230	50.4769	10.095
	59 Chlorobenzene	112	7.762	7.762	(1.003)	1308689	49.9616	9.992
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	617161	50.8451	10.169
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1699318	107.093	21.419
M	63 Xylenes (total)	106				2504115	159.880	31.976
	64 Xylene-o	106	8.342	8.342	(1.078)	804797	52.7870	10.557
	65 Styrene	104	8.354	8.354	(1.080)	1469391	48.4389	9.688

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23731.D
Report Date: 07-Sep-2004 09:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	249589	53.3988	10.680
67 Isopropylbenzene	105	8.685	8.685	(1.122)	1791943	49.6726	9.934
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	626007	51.3899	10.278
69 1,4-Dichloro-2-butene	53	8.768	9.005	(0.880)	12733	3.75331	0.7507
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	903896	46.0961	9.219
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1023878	48.8254	9.765
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	929014	48.7490	9.750
84 1,2-Dibromo-3-chloropropane	157	11.123	11.111	(1.116)	70155	39.9978	8.000
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	203658	28.5334	5.707
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	520298	41.8058	8.361
143 Methyl Acetate	43	3.041	3.029	(0.598)	357436	45.4701	9.094
144 Methylcyclohexane	83	5.573	5.573	(1.095)	469215	45.3611	9.072
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AA **Matrix.....:** WATER
MB Lot-Sample #: A4I030000-482

Prep Date.....: 09/02/04 **Final Wgt/Vol..:** 5 mL

Analysis Date..: 09/02/04 **Prep Batch #...:** 4247482
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**0.96 J**	**10**	**ug/L**	**SW846 8260B**
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPL151AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

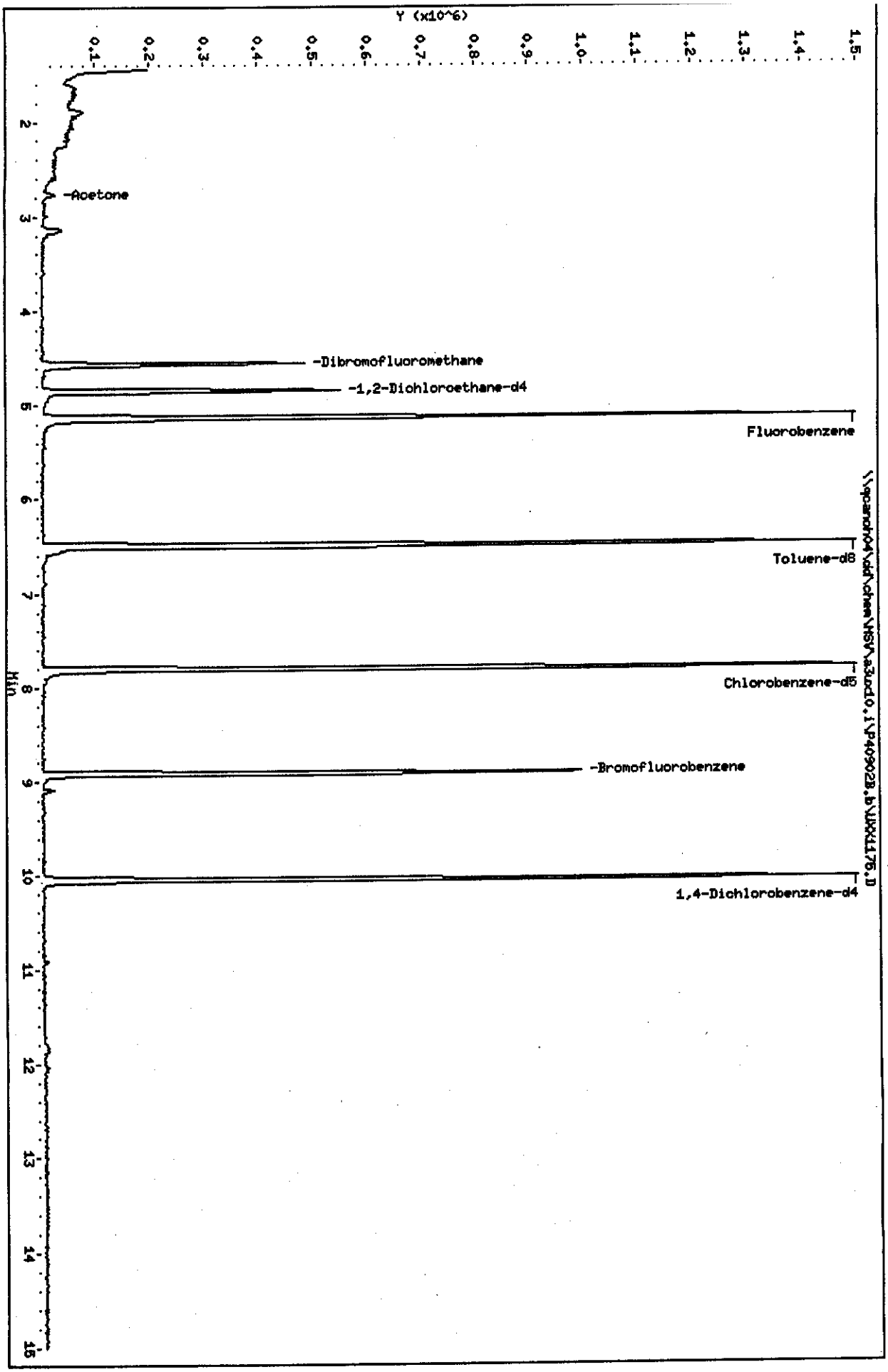
NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcandh04\dd\chem\VSV\a3ud10.i\P409028.b\UX41175.D
Date : 02-SEP-2004 19:15
Client ID: GPL151AA
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1175.D
Report Date: 03-Sep-2004 16:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1175.D
Lab Smp Id: VBLK
Inj Date : 02-SEP-2004 19:15
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P40902B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\8260LLUX10.m
Meth Date : 03-Sep-2004 16:53 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1559422	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.809	(1.000)	1143603	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.045	(1.000)	529234	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	297268	50.8238	10.165
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	422197	52.3536	10.471
$ 6 Toluene-d8	98	6.496	6.495	(0.832)	1216148	51.6083	10.322
$ 7 Bromofluorobenzene	95	8.910	8.909	(1.141)	417143	45.5657	9.113
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.769	2.768	(0.539)	26800	4.81255	0.9625
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1175.D
Report Date: 03-Sep-2004 16:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1175.D
Report Date: 03-Sep-2004 16:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40902B.b\UXX1175.D

Date : 02-SEP-2004 19:15

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

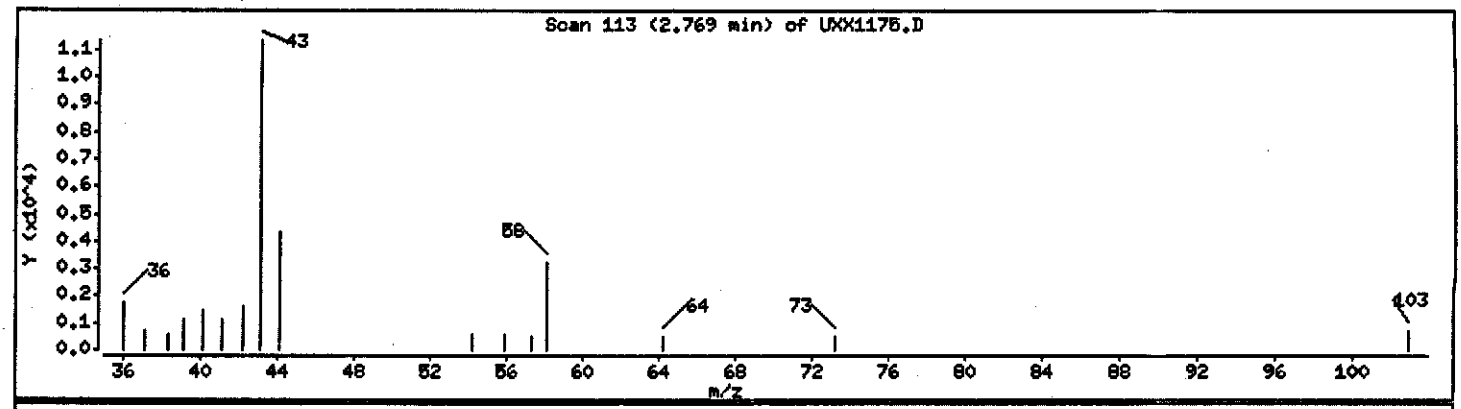
Operator: 1904

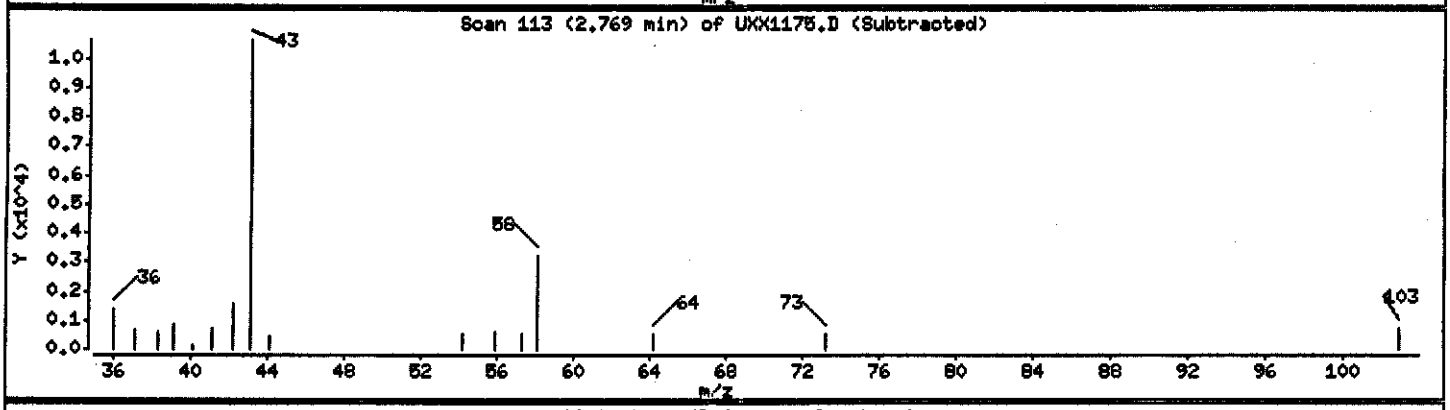
Column phase: DB624

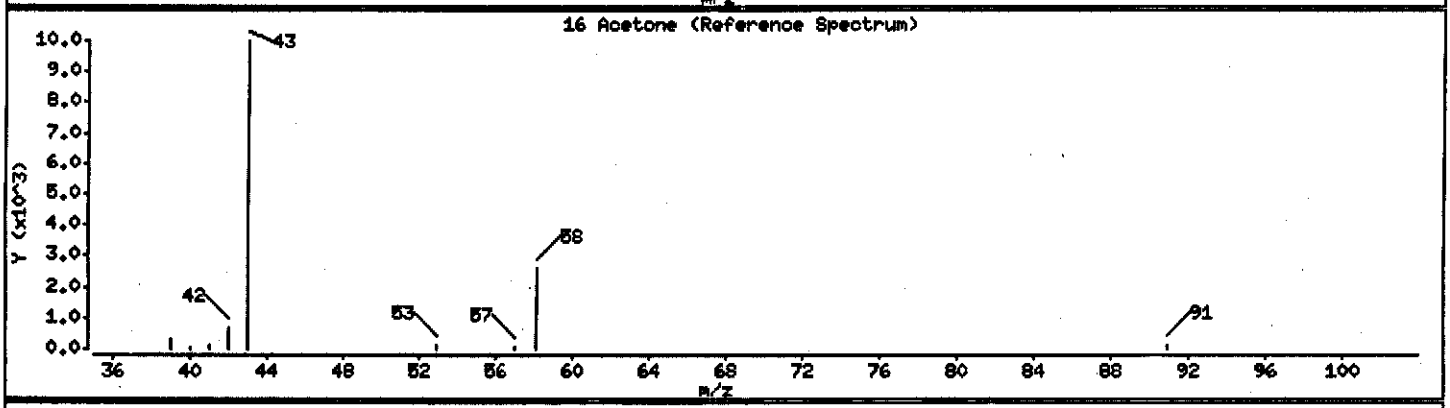
Column diameter: 0.18

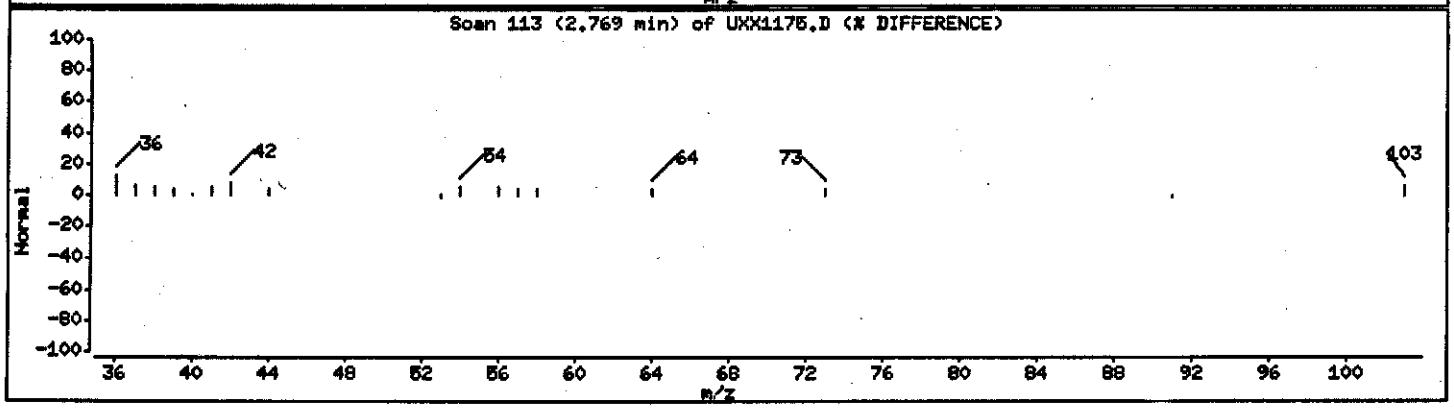
16 Acetone

Concentration: 0.9625 ug/L









METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AA **Matrix.....:** WATER
MB Lot-Sample #: A4I070000-210

Prep Date.....: 09/03/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 09/03/04 **Prep Batch #...:** 4251210
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPPEH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

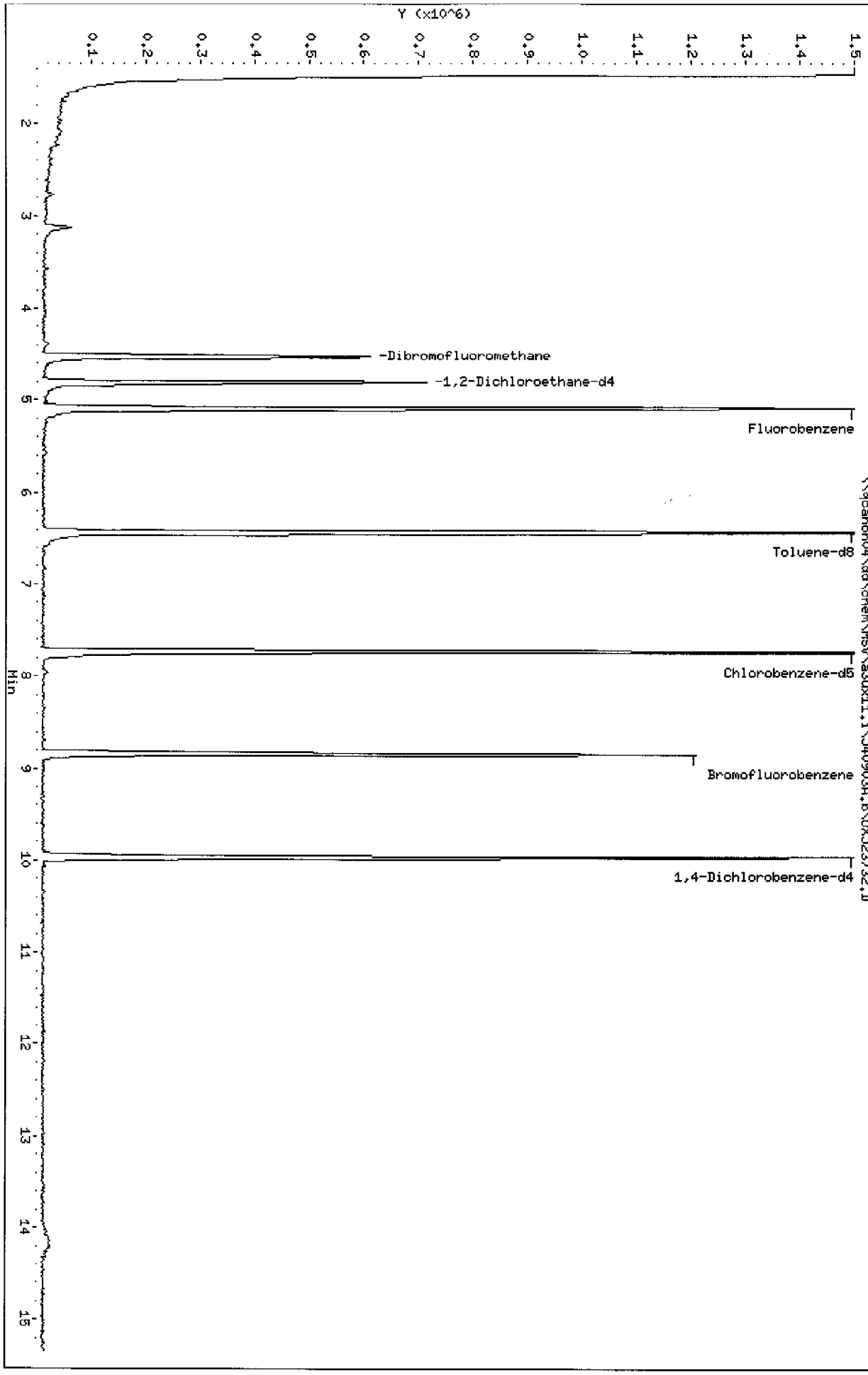
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23732.D
Date : 03-SEP-2004 09:45
Client ID: GPPEHIAA
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23732.D
Report Date: 07-Sep-2004 09:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23732.D
Lab Smp Id: VBLK
Inj Date : 03-SEP-2004 09:45
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40903A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1655687	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1276425	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	534906	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	440640	56.5512	11.310
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	560967	54.3616	10.872
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1476648	48.2864	9.657
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	503380	38.8401	7.768
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23732.D
Report Date: 07-Sep-2004 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23732.D
Report Date: 07-Sep-2004 09:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPGDK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I020164-003 GPGDK1AD-MSD
Date Sampled...: 09/01/04 10:35 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	51	(45 - 128)			SW846 8260B
	50	(45 - 128)	1.7	(0-30)	SW846 8260B
Benzene	**94**	**(78 - 118)**			**SW846 8260B**
	96	**(78 - 118)**	**1.0**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	112	(80 - 146)			SW846 8260B
	108	(80 - 146)	3.0	(0-30)	SW846 8260B
Bromoform	90	(58 - 176)			SW846 8260B
	88	(58 - 176)	2.4	(0-30)	SW846 8260B
Bromomethane	89	(55 - 145)			SW846 8260B
	99	(55 - 145)	11	(0-30)	SW846 8260B
2-Butanone	78	(71 - 123)			SW846 8260B
	80	(71 - 123)	2.7	(0-30)	SW846 8260B
Carbon disulfide	162 a	(69 - 138)			SW846 8260B
	115	(69 - 138)	34	(0-41)	SW846 8260B
Carbon tetrachloride	132	(63 - 176)			SW846 8260B
	133	(63 - 176)	0.89	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	102	**(76 - 117)**	**2.7**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	110	(71 - 158)			SW846 8260B
	107	(71 - 158)	2.8	(0-30)	SW846 8260B
Chloroethane	100	(59 - 142)			SW846 8260B
	106	(59 - 142)	5.7	(0-30)	SW846 8260B
Chloroform	103	(83 - 141)			SW846 8260B
	104	(83 - 141)	0.76	(0-30)	SW846 8260B
Chloromethane	54	(40 - 137)			SW846 8260B
	51	(40 - 137)	5.1	(0-39)	SW846 8260B
1,1-Dichloroethane	103	(88 - 127)			SW846 8260B
	103	(88 - 127)	0.0	(0-30)	SW846 8260B
1,2-Dichloroethane	107	(71 - 160)			SW846 8260B
	108	(71 - 160)	1.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	96	(87 - 114)			SW846 8260B
	98	(87 - 114)	1.4	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	104	(85 - 116)			SW846 8260B
	105	(85 - 116)	0.24	(0-30)	SW846 8260B
1,1-Dichloroethene	**103**	**(62 - 130)**			**SW846 8260B**
	105	**(62 - 130)**	**1.7**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	100	(86 - 115)			SW846 8260B
	101	(86 - 115)	0.81	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPGDK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I020164-003 GPGDK1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	99	(87 - 114)			SW846 8260B
	97	(87 - 114)	2.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	75 a	(82 - 130)			SW846 8260B
	75 a	(82 - 130)	1.0	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	75	(73 - 147)			SW846 8260B
	77	(73 - 147)	3.2	(0-30)	SW846 8260B
Ethylbenzene	117	(86 - 132)			SW846 8260B
	119	(86 - 132)	2.0	(0-30)	SW846 8260B
2-Hexanone	75 a	(81 - 128)			SW846 8260B
	77 a	(81 - 128)	2.4	(0-30)	SW846 8260B
Methylene chloride	95	(82 - 115)			SW846 8260B
	95	(82 - 115)	0.25	(0-30)	SW846 8260B
4-Methyl-2-pentanone	83	(82 - 135)			SW846 8260B
	84	(82 - 135)	1.3	(0-30)	SW846 8260B
Styrene	97	(83 - 120)			SW846 8260B
	98	(83 - 120)	0.97	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	104	(88 - 116)			SW846 8260B
	106	(88 - 116)	1.7	(0-30)	SW846 8260B
Tetrachloroethene	104	(85 - 121)			SW846 8260B
	107	(85 - 121)	2.6	(0-30)	SW846 8260B
Toluene	**110**	**(70 - 119)**			**SW846 8260B**
	110	**(70 - 119)**	**0.17**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	122	(71 - 162)			SW846 8260B
	124	(71 - 162)	1.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	102	(86 - 129)			SW846 8260B
	103	(86 - 129)	1.0	(0-30)	SW846 8260B
Trichloroethene	**101**	**(62 - 130)**			**SW846 8260B**
	103	**(62 - 130)**	**2.2**	**(0-20)**	**SW846 8260B**
Vinyl chloride	83 a	(88 - 126)			SW846 8260B
	82 a	(88 - 126)	0.62	(0-30)	SW846 8260B
Xylenes (total)	110	(89 - 121)			SW846 8260B
	114	(89 - 121)	3.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	104	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPGDK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I020164-003 GPGDK1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	101	(74 - 116)
	103	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPGDK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I020164-003 GPGDK1AD-MSD
Date Sampled...: 09/01/04 10:35 **Date Received..:** 09/02/04
Prep Date.....: 09/03/04 **Analysis Date..:** 09/03/04
Prep Batch #...: 4251210
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	100	51	ug/L	51		SW846 8260B
	ND	100	50	ug/L	50	1.7	SW846 8260B
Benzene	**63**	**100**	**160**	**ug/L**	**94**		**SW846 8260B**
	63	**100**	**160**	**ug/L**	**96**	**1.0**	**SW846 8260B**
Bromodichloromethane	ND	100	110	ug/L	112		SW846 8260B
	ND	100	110	ug/L	108	3.0	SW846 8260B
Bromoform	ND	100	90	ug/L	90		SW846 8260B
	ND	100	88	ug/L	88	2.4	SW846 8260B
Bromomethane	ND	100	89	ug/L	89		SW846 8260B
	ND	100	99	ug/L	99	11	SW846 8260B
2-Butanone	ND	100	78	ug/L	78		SW846 8260B
	ND	100	80	ug/L	80	2.7	SW846 8260B
Carbon disulfide	ND	100	160	ug/L	162 a		SW846 8260B
	ND	100	120	ug/L	115	34	SW846 8260B
Carbon tetrachloride	ND	100	130	ug/L	132		SW846 8260B
	ND	100	130	ug/L	133	0.89	SW846 8260B
Chlorobenzene	**14**	**100**	**110**	**ug/L**	**99**		**SW846 8260B**
	14	**100**	**120**	**ug/L**	**102**	**2.7**	**SW846 8260B**
Dibromochloromethane	ND	100	110	ug/L	110		SW846 8260B
	ND	100	110	ug/L	107	2.8	SW846 8260B
Chloroethane	ND	100	100	ug/L	100		SW846 8260B
	ND	100	110	ug/L	106	5.7	SW846 8260B
Chloroform	ND	100	100	ug/L	103		SW846 8260B
	ND	100	100	ug/L	104	0.76	SW846 8260B
Chloromethane	ND	100	54	ug/L	54		SW846 8260B
	ND	100	51	ug/L	51	5.1	SW846 8260B
1,1-Dichloroethane	4.6	100	110	ug/L	103		SW846 8260B
	4.6	100	110	ug/L	103	0.0	SW846 8260B
1,2-Dichloroethane	ND	100	110	ug/L	107		SW846 8260B
	ND	100	110	ug/L	108	1.0	SW846 8260B
cis-1,2-Dichloroethene	5.2	100	100	ug/L	96		SW846 8260B
	5.2	100	100	ug/L	98	1.4	SW846 8260B
trans-1,2-Dichloroethene	ND	100	100	ug/L	104		SW846 8260B
	ND	100	100	ug/L	105	0.24	SW846 8260B
1,1-Dichloroethene	**ND**	**100**	**100**	**ug/L**	**103**		**SW846 8260B**
	ND	**100**	**100**	**ug/L**	**105**	**1.7**	**SW846 8260B**
1,2-Dichloroethene (total)	5.2	200	210	ug/L	100		SW846 8260B
	5.2	200	210	ug/L	101	0.81	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPGDK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I020164-003 GPGDK1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dichloropropane	ND	100	99	ug/L	99		SW846 8260B
	ND	100	97	ug/L	97	2.2	SW846 8260B
cis-1,3-Dichloropropene	ND	100	75	ug/L	75 a		SW846 8260B
	ND	100	75	ug/L	75 a	1.0	SW846 8260B
trans-1,3-Dichloropropene	ND	100	75	ug/L	75		SW846 8260B
	ND	100	77	ug/L	77	3.2	SW846 8260B
Ethylbenzene	ND	100	120	ug/L	117		SW846 8260B
	ND	100	120	ug/L	119	2.0	SW846 8260B
2-Hexanone	ND	100	75	ug/L	75 a		SW846 8260B
	ND	100	77	ug/L	77 a	2.4	SW846 8260B
Methylene chloride	ND	100	95	ug/L	95		SW846 8260B
	ND	100	95	ug/L	95	0.25	SW846 8260B
4-Methyl-2-pentanone	ND	100	83	ug/L	83		SW846 8260B
	ND	100	84	ug/L	84	1.3	SW846 8260B
Styrene	ND	100	97	ug/L	97		SW846 8260B
	ND	100	98	ug/L	98	0.97	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	100	100	ug/L	104		SW846 8260B
	ND	100	110	ug/L	106	1.7	SW846 8260B
Tetrachloroethene	ND	100	100	ug/L	104		SW846 8260B
	ND	100	110	ug/L	107	2.6	SW846 8260B
Toluene	**ND**	**100**	**110**	**ug/L**	**110**		**SW846 8260B**
	ND	**100**	**110**	**ug/L**	**110**	**0.17**	**SW846 8260B**
1,1,1-Trichloroethane	ND	100	120	ug/L	122		SW846 8260B
	ND	100	120	ug/L	124	1.7	SW846 8260B
1,1,2-Trichloroethane	ND	100	100	ug/L	102		SW846 8260B
	ND	100	100	ug/L	103	1.0	SW846 8260B
Trichloroethene	**ND**	**100**	**100**	**ug/L**	**101**		**SW846 8260B**
	ND	**100**	**100**	**ug/L**	**103**	**2.2**	**SW846 8260B**
Vinyl chloride	4.6	100	87	ug/L	83 a		SW846 8260B
	4.6	100	87	ug/L	82 a	0.62	SW846 8260B
Xylenes (total)	ND	300	330	ug/L	110		SW846 8260B
	ND	300	340	ug/L	114	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	104	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4I02164 **Work Order #...:** GPGDK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I020164-003 GPGDK1AD-MSD

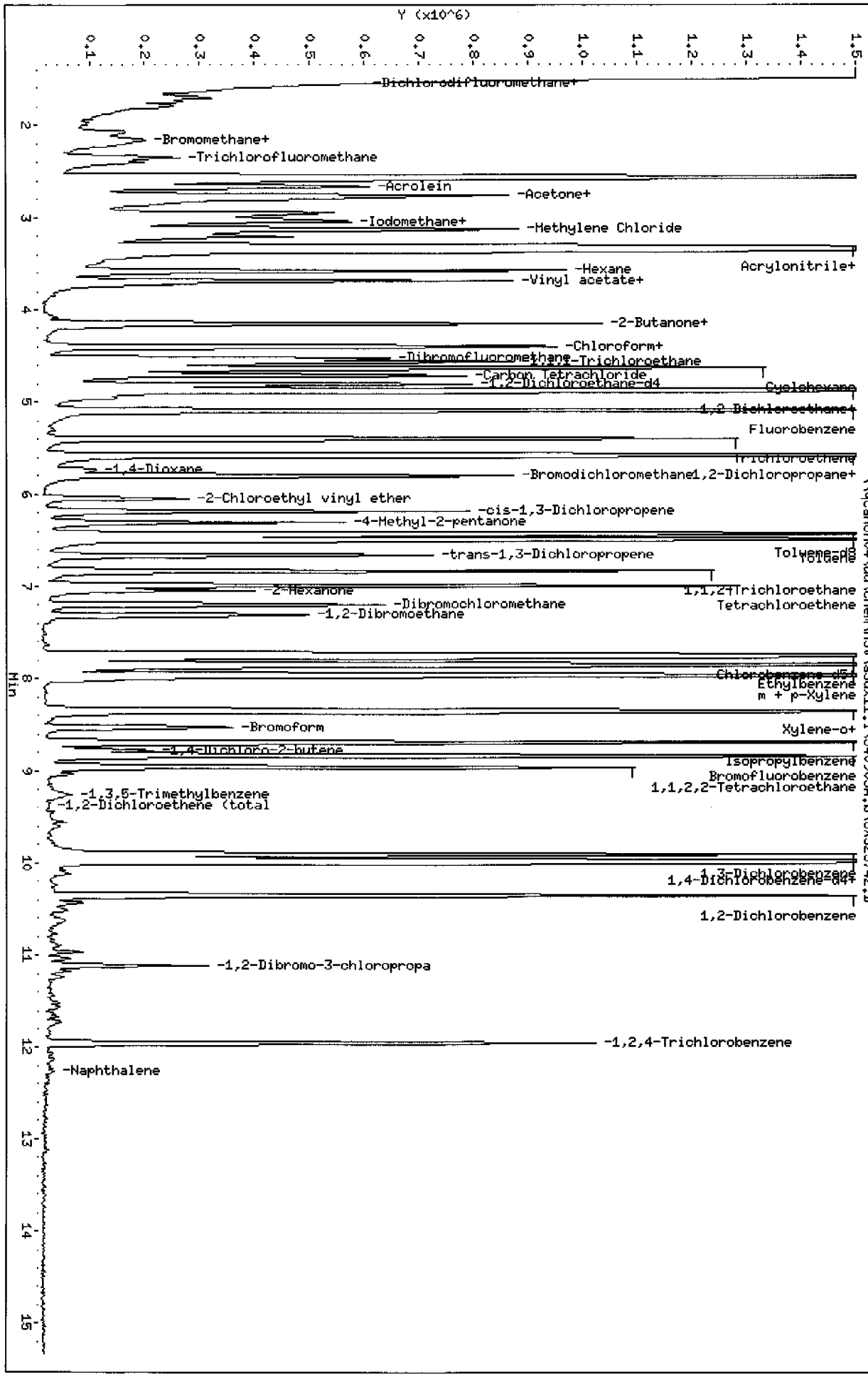
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	101	(74 - 116)
	103	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.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Date : 03-SEP-2004 13:39
Client ID: MW-12/090104
Sample Info: GPCDK1AC,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
1,1,1-Trichloroethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
-1,3,5-Trimethylbenzene
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23742.D
Report Date: 07-Sep-2004 09:42

STL North Canton

VOLATILE REPORT SW-846 Method

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Lab Smp Id: GPGDK1AC Client Smp ID: MW-12/090104
Inj Date : 03-SEP-2004 13:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDK1AC,0.5ML/5ML
Misc Info : J40903A,8260LLUX11,2-8260.SUB,43582,3,,MS
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 15 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1853147	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1384513	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	731419	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	447901	51.3580	102.72
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	626562	54.2484	108.50
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	1747842	52.6924	105.38
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	711716	50.6278	101.26
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	226676	33.4235	66.847
9 Chloromethane	50	1.704	1.704	(0.335)	402839	26.8110	53.622
10 Vinyl Chloride	62	1.787	1.787	(0.351)	340543	43.6462	87.292
11 Bromomethane	94	2.071	2.071	(0.407)	157307	44.3898	88.780
12 Chloroethane	64	2.154	2.154	(0.423)	307132	50.0889	100.18
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	507541	57.0502	114.10
15 Acrolein	56	2.663	2.651	(0.523)	705582	423.111	846.22
16 Acetone	43	2.793	2.769	(0.549)	167212	25.6229	51.246
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	447416	51.6136	103.23
18 Freon-113	151	2.769	2.769	(0.544)	333700	61.1419	122.28

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23742.D
Report Date: 07-Sep-2004 09:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.923	2.875	(0.574)	8838	1.01225	2.024
	20 Carbon Disulfide	76	2.947	2.946	(0.579)	2304656	80.9237	161.85
	21 Methylene Chloride	84	3.124	3.124	(0.614)	618518	47.6796	95.359
	22 Acetonitrile	41	3.029	2.982	(0.595)	585336	418.608	837.22
	23 Acrylonitrile	53	3.313	3.301	(0.651)	1909904	456.346	912.69
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1541627	71.8031	143.61
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	495423	52.1247	104.25
	26 Hexane	86	3.574	3.574	(0.702)	85753	53.3987	106.80
	27 Vinyl acetate	43	3.727	3.704	(0.733)	78546	4.48864	8.977
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	908282	53.6095	107.22
	29 tert-Butyl Alcohol	59	3.041	3.195	(0.598)	43257	50.3633	100.73
	30 2-Butanone	43	4.153	4.130	(0.816)	216678	38.9252	77.850
M	31 1,2-Dichloroethene (total)	96				1000313	102.885	205.77
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	504890	50.7604	101.52
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	876659	51.6772	103.35
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	15626	5.14725	10.294
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	595927	60.8174	121.63
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	472063	65.8541	131.71
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	721610	53.3596	106.72
	41 Benzene	78	4.863	4.863	(0.956)	3279114	78.6130	157.22(R)
	42 Trichloroethene	130	5.396	5.396	(1.060)	467313	50.4958	100.99
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	505069	49.7255	99.451
	44 1,4-Dioxane	88	5.739	5.680	(1.128)	141236	1191.97	2383.9(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	636309	55.8151	111.63
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	128830	23.2926	46.585
	48 cis-1,3-Dichloropropene	75	6.189	6.177	(1.216)	550917	37.7055	75.411
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	398952	41.6931	83.386
	50 Toluene	91	6.485	6.484	(0.839)	2150280	54.9697	109.94
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	469063	37.4056	74.811
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	457602	51.1514	102.30
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.982	6.993	(0.904)	349951	51.9900	103.98
	56 2-Hexanone	43	7.041	7.041	(0.911)	271606	37.4333	74.866
	57 Dibromochloromethane	129	7.195	7.194	(0.931)	400196	54.9215	109.84
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	441588	50.8969	101.79
	59 Chlorobenzene	112	7.762	7.762	(1.005)	1535929	56.6669	113.33
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.017)	734625	58.4890	116.98
	62 m + p-Xylene	106	7.964	7.964	(1.031)	1850320	112.692	225.38
M	63 Xylenes (total)	106				2685338	165.621	331.24
	64 Xylene-o	106	8.342	8.342	(1.080)	835018	52.9291	105.86
	65 Styrene	104	8.354	8.354	(1.081)	1519586	48.4122	96.824

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23742.D
Report Date: 07-Sep-2004 09:42

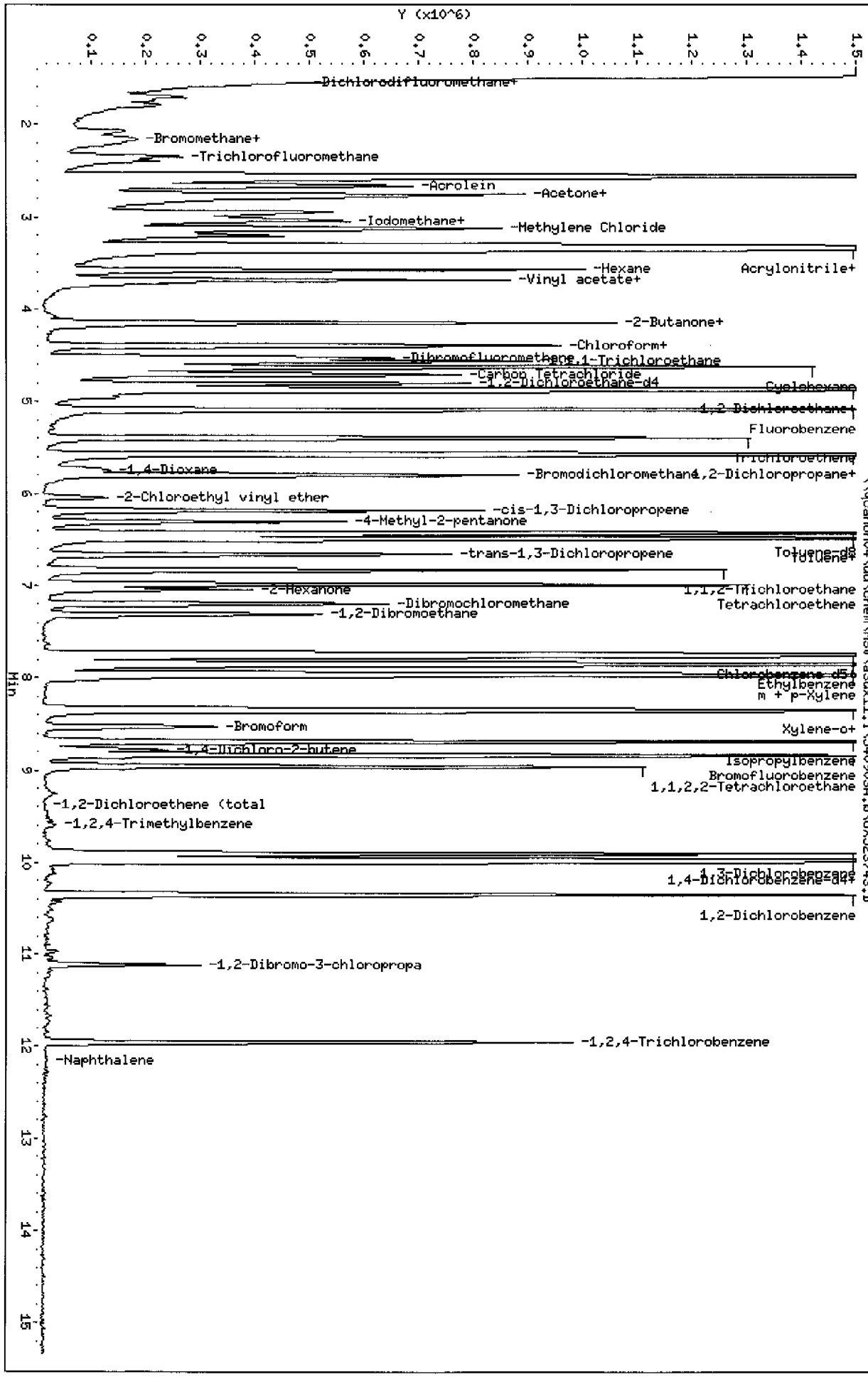
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.104)	213787	44.9079	89.816
67 Isopropylbenzene	105	8.685	8.685	(1.124)	1907252	51.0182	102.04
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	644462	52.1792	104.36
69 1,4-Dichloro-2-butene	53	8.780	9.005	(0.881)	5240	1.52341	3.047
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	1959	2.41051	4.821
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	993662	49.9788	99.958
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1105121	51.9767	103.95
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1001747	51.8446	103.69
84 1,2-Dibromo-3-chloropropane	157	11.111	11.111	(1.115)	88269	49.6349	99.270
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	363542	50.2351	100.47
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.200	12.200	(1.224)	1776	1.94762	3.895
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	732857	55.3659	110.73
143 Methyl Acetate	43	3.041	3.029	(0.598)	386414	48.0875	96.175
144 Methylcyclohexane	83	5.573	5.573	(1.095)	506698	47.6164	95.233
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23743.D
Date : 03-SEP-2004 14:01
Client ID: MW-12/090104
Sample Info: GPCDK1AD,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23743.D
Report Date: 07-Sep-2004 09:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23743.D
Lab Smp Id: GPGDK1AD Client Smp ID: MW-12/090104
Inj Date : 03-SEP-2004 14:01
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GPGDK1AD,0.5ML/5ML
Misc Info : J40903A,8260LLUX11,2-8260.SUB,43582,3,,MS
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40903A.b\8260LLUX11.m
Meth Date : 07-Sep-2004 09:33 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 16 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1875061	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1379484	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	735102	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	453669	51.4115	102.82
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	608616	52.0788	104.16
$ 6 Toluene-d8	98	6.426	6.425	(0.832)	1710829	51.7646	103.53
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	722701	51.5966	103.19
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	232335	33.7939	67.588
9 Chloromethane	50	1.704	1.704	(0.335)	389271	25.4830	50.966
10 Vinyl Chloride	62	1.787	1.787	(0.351)	342437	43.3760	86.752
11 Bromomethane	94	2.071	2.071	(0.407)	176148	49.6701	99.340
12 Chloroethane	64	2.166	2.154	(0.426)	328935	53.0177	106.04
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	522711	57.9830	115.97
15 Acrolein	56	2.663	2.651	(0.523)	756204	448.167	896.33
16 Acetone	43	2.793	2.769	(0.549)	167220	25.1949	50.390
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	460356	52.4856	104.97
18 Freon-113	151	2.769	2.769	(0.544)	350789	63.5219	127.04

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23743.D
Report Date: 07-Sep-2004 09:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.923	2.875	(0.574)	7840	0.88745	1.775
	20 Carbon Disulfide	76	2.947	2.946	(0.579)	1661019	57.6420	115.28
	21 Methylene Chloride	84	3.124	3.124	(0.614)	624443	47.5594	95.119
	22 Acetonitrile	41	3.029	2.982	(0.595)	609084	430.501	861.00
	23 Acrylonitrile	53	3.313	3.301	(0.651)	1971572	465.575	931.15
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1536141	70.7114	141.42
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	502536	52.2552	104.51
	26 Hexane	86	3.574	3.574	(0.702)	87645	53.9390	107.88
	27 Vinyl acetate	43	3.728	3.704	(0.733)	69258	3.91161	7.823
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	918915	53.6032	107.21
	29 tert-Butyl Alcohol	59	3.041	3.195	(0.598)	40877	47.0361	94.072
	30 2-Butanone	43	4.154	4.130	(0.816)	225327	40.0059	80.012
M	31 1,2-Dichloroethene (total)	96				1020519	103.723	207.45
	32 cis-1,2-dichloroethene	96	4.154	4.142	(0.816)	517983	51.4681	102.94
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	893789	52.0712	104.14
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	12471	4.05997	8.120
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	613366	61.8655	123.73
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	481967	66.4500	132.90
	40 1,2-Dichloroethane	62	4.864	4.863	(0.956)	737749	53.9154	107.83
	41 Benzene	78	4.864	4.863	(0.956)	3352076	79.4230	158.84(R)
	42 Trichloroethene	130	5.396	5.396	(1.060)	483202	51.6025	103.20
	43 1,2-Dichloropropane	63	5.574	5.573	(1.095)	499852	48.6367	97.273
	44 1,4-Dioxane	88	5.751	5.680	(1.130)	174619	1456.49	2913.0(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	624928	54.1761	108.35
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	55740	9.96009	19.920
	48 cis-1,3-Dichloropropene	75	6.189	6.177	(1.216)	551774	37.3228	74.646
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	408974	42.2410	84.482
	50 Toluene	91	6.485	6.484	(0.839)	2146132	55.0637	110.13
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	482689	38.6325	77.265
	52 Ethyl Methacrylate	69	6.508	6.733	(0.842)	506	2.33440	4.669
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	460640	51.6787	103.36
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.905)	357744	53.3415	106.68
	56 2-Hexanone	43	7.041	7.041	(0.911)	277228	38.3474	76.695
	57 Dibromochloromethane	129	7.195	7.194	(0.931)	387650	53.3937	106.79
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	449300	51.9746	103.95
	59 Chlorobenzene	112	7.763	7.762	(1.005)	1571585	58.1938	116.39
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.017)	746771	59.6728	119.34
	62 m + p-Xylene	106	7.964	7.964	(1.031)	1882550	115.073	230.14
M	63 Xylenes (total)	106				2757554	170.739	341.48
	64 Xylene-o	106	8.342	8.342	(1.080)	875004	55.6659	111.33
	65 Styrene	104	8.354	8.354	(1.081)	1529791	48.8865	97.773

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40903A.b\UXJ23743.D
Report Date: 07-Sep-2004 09:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.104)	207447	43.8309	87.662
67 Isopropylbenzene	105	8.686	8.685	(1.124)	1958560	52.5017	105.00
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	658586	53.0556	106.11
69 1,4-Dichloro-2-butene	53	8.768	9.005	(0.880)	6441	1.86319	3.726
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	2254	2.40201	4.804
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	977813	48.9353	97.870
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1123408	52.5721	105.14
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	995951	51.2864	102.57
84 1,2-Dibromo-3-chloropropane	157	11.111	11.111	(1.115)	87725	49.0819	98.164
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	351512	48.3294	96.659
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.200	12.200	(1.224)	1102	1.91104	3.822
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	761853	56.7184	113.44
143 Methyl Acetate	43	3.041	3.029	(0.598)	387214	47.6239	95.248
144 Methylcyclohexane	83	5.574	5.573	(1.095)	530563	49.0884	98.177
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

SEVERN TRENT STL

MISCELLANEOUS DATA

UX10
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 8-12-04

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
45 C for 2 min
to 200 C @ 15 C/min
Hold 3 min

IS # V2097 SS # V2098

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

	BFB		BFB 1360	50ng		0610	ok
	APP. IX STD		UXX 0522	200ng	V2152,59		ok
			UXX0523	100ng			ok
			UXX0524	50ng		V40812-19	ok
			UXX0525	25ng			ok
			UXX0526	10ng			ok
			UXX0527	5ng			ok

RO 8-12-04

Analyst: RO
Level 2 review: MM

UX10
Batch # 4239597

STL-North Canton
GC/MS VOA Run Log

Date: 8-25-04

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # V2198 SS # V2200

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

8/30

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

	BFB		BFB 1375	50ng		2325	ok
	P260 STD		UXX0907	200ng	V2196 V2203, 14, 18		ok
			08	100ng			ok
			09	50ng		V40825	ok
			10	25ng			ok
			11	10ng			ok
			12	5ng			ok
	ICV		13	50ng	V2194		ok
	AR. TE STD		14	50ng	V2191, 2205	V40812	ok
	CHECK	GN20C	15	50ng	V2194		ok
	CHECK		16	50ng			ok
	BLANK		17	5ML			ok
	GNGE5IAC		18	0.25ml/5ml			ok
	GNGE5IAE	MS	19		+ 50ng		ok
	GNGE5IAF	MSD	20				ok
	GNGE7IAA		21	5ML			ok
	GNEMGIAA		22				ok
	GNEMKIAA		23				ok
	GNEMLIAA		24				ok
	GNEMMIAA		25	0.6ml/5ml			ok
	GNEMNIAA		26	5ML			ok
	GNEMPIAA		27				ok
	GNEMQIAA		28				ok
	GNEMVIAA		29				ok
	GNEMXIAA		30				ok
	GNEMDIAA		31				ok
	GNEMZIAA		32				ok
	GNEM4IAA		33				ok
	GNEM5IAA		34				ok
	GNEM6IAA		35				ok
	GNEM7IAA		36				ok
	GNEM8IAA		UXX0937				ok
						RA 8-26-04	

Analyst: RA
Level 2 review: SAR

UX10
Batch # 4247482

STL-North Canton
GC/MS VOA Run Log

Date: 9-2-04

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold – min

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to – C @ – C/min
Hold 3 min

9/3

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

IS # V2198 SS # V2200

Auto num	Sample ID / Workorder #	Method	File Name	Amt purged	Stock/Sample Type	Comments	Sample Status
	BFB		BFB1384	50ng		1722	ok
	8260 STB		UXX1171	50ng	V2234, 37, 38	V40825	ok
	AP, IC STB		72	50ng	V2191, 2239	V40812	ok
	CHECK	GPL15	73	50ng	V2242		ok
	CHECK		74	50ng			ok
	BLANK		75	5ML			ok
	6N3VC1DV		76	5ML			ok
	6NM4L1AN		77	0.75ML/5ML			ok
	6N6M31AA		78	3ML/5ML		NOT NEEDED	~~ok~~ RQ 9-2-04
	6N3V11AS		79	0.2ML/5ML			ok
	6N3V71DV		80	0.075ML/5ML		R – 25ul SST	–
	6N3V91AS		81	0.065ML/5ML		TIC	ok
	6N6P6C21AA		82	0.003ML/5ML		R – 10ul	–
	6N3V71DV		83	0.025ML/5ML		R 75ul!	–
	6N3V71DW	MS	84		+50ng	R	–
	6P6DT1AA ~~6N3V91AX~~	~~MSD~~ RQ 9-2-04	85	5ML ~~RQ 9-2-04~~	RQ 9-2-04		ok
	6N3VC1BW	MS	86	5ML	+50ng		ok
	6N3VC1DX	MSD	87				ok
	6N3VW1AS		88	5ML			ok
	6N3VX1AS		89				ok
	6N3WP1AS ~~6N3V11AS~~ RQ 9-2-04		90				ok
	6N3WT1AS		91				ok
	6N3WO1AS		92				ok
	6N32T1AS		93				ok
	6N6V51AA		94				ok
	6P6C21AA		95	0.01ML/5ML			ok
	6P6DJ1AA		96	5ML			ok
	6P6DN1AA		97				ok
	6P6DP1AA		98				ok
	6P6DV1AA		UXX1199	0.5ML/5ML			ok
	6P6DV2AA		UXX1200	5ML			ok
	6P6C22AA		UXX1201	0.1ML/5ML		RQ 9-3-04	ok

Analyst: RQ
Level 2 review: SMN

UX11
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 8/16/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2149 SS # —	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

	BFB		BFB 207	50ng	dirnyest	(13:09)	On
	Vol STD		UXJ23202	200ng	V2154,56,57,60		On
	Vol STD		03	100ng			On
	Vol STD		04	50ng			On
	Vol STD		05	25ng			On
	Vol STD		06	10ng			On
	Vol STD		07	5ng			On
	ACV		08	50ng	V2165		~~On~~ OK
	Ag STD		09	200ng	V2152,59		On
	Ag STD		10	100ng			On
	Ag STD		11	50ng			On
	Ag STD		12	25ng			On
	Ag STD		13	10ng			On
	Ag STD		14	5ng			On

8/18/04

8/17/04

Analyst: _____
Level 2 review: _____

UX11
Batch # V237094

STL-North Canton
GC/MS VOA Run Log

8/25

Date: 8/23/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2188 SS # V2182	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

	BFB		BFB 211	50ng	dirnyelt	(15:50)	On
	VOI STD		UXJ33274	200ng	V2180, 92, 93, 76		On
	VOI STD		75	100ng			On
	VOI STD		76	50ng		J40823	On
	VOI STD		77	25ng			On
	VOI STD		78	10ng			On
	VOI STD		79	5ng			On
	dcv		80	50ng	V2194		On
	Check	GNQ16	81				On
	Check		82				On
	Blank		83	5ml			On
	GM3V1AF		84				On
	GM3WC1AF		85				On
	GM3WF1AA		86				On
	GM3WH1AA		87				On
	GM3WL1AA		88				On
	GM3WQ1AF		89				On
	GM3WV1AA		90			Soamer!	On
	GM3WW1AA		91				On
	GM3W11AA		92			SS ↓ X2	On
	GM3W2AF		93				On
M	GM6Q01AA		94				On
	GM6Q31AA		95				On
	GM6Q41AA		96				On
	GM6Q51AA		97				On
	GM6Q71AA		98				On
	GM6Q61AA		99	.025 ml/5ml			On
	GM6Q61AC	(S)	00		+50ng		On
	GM6Q61AF	(D)	01		+50ng		On
	GM6P11AA		02	5ml			On
	GM6QK1AC		03				On

8/24 on

Analyst: [illegible]
Level 2 review: SAM

UX11
Batch # 4251210

STL-North Canton
GC/MS VOA Run Log

9/6

Date: 9/3/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS #V2246 SS #V2247	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

	BFB		BFB 227	50ng	dirty jet	(7:48)	On
1	101 STD		UX123728		V2234, 37, 38	J40823	On
2	Ag STD		29		V2239	J40816	On
3	Check	GPPEH	30		V2242		On
4	Check	Dup	31				On
5	Blank		32	5ml			On
6	GN6K1AA	ED/GM	33				On
7	GPEMG1AA	ED/GM	34				On
8	GN44X1AA		35	2ml/5ml		@ 5ml	—
9	GPGDK1AA		36	0.5ml/5ml		2AA @ 5ml	On
10	GPGDL1AA		37	0.05ml/5ml		2AA @ 500µl	On
11	GPGDM1AA		38	0.625ml/5ml		2AA @ 5ml	On
12	GPGDR1AA		39	0.175µl/5ml		2AA @ 1.75ml	On
13	GPGDO1AA		40	5ml			On
14	GN44X1AA		41	5ml			On
15	GPGDK1AA	(S)	42	0.5ml/5ml	+50ng		On
16	GPGDK1AD	(D)	43				On
17	GPGDK2AA		44	5ml			On
18	GPGDL2AA		45	0.5ml/5ml			On
19	GPGDM2AA		46	5ml			On
20	GPGDR2AA		47	1.75ml/5ml			On
21	GN06P1AA		48	5ml			On
22	GN06R1AA		49				On
23	GN07A1AA		50				On
24	GN06M1AA		51	0.675ml/5ml			On
25	GN06T1AA		52	0.07ml/5ml			On
26	GN06V1AA		53	3.5ml/5ml			On
27	GN06H1AA		54	5ml			On
28	~~GN06[illegible]~~		55				On
29	GN063 1AA		56	0.6ml/5ml			On
30	GN065 1AA		57	5ml			On
31	GN067 1AA		58	0.875ml/5ml			On
32	GN068 1AA		59	5ml		out of tune	

Analyst: [signature]
Level 2 review: [signature]

PSL205 Severn Trent Laboratories, System Date: 9/02/04 12:14:04
Page 1 Local Date: 9/02/04 14:14:04

MSVOC Lot Summary - A4I020164

CLIENT: 5670 PAYNE FIRM INC. SDG: 4I02164 79/80 Date Received: 9/02/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 9/07/04 N
SITE: EMD CHEMICAL, OHIO Date Report Due: 9/13/04
LOT COMMENTS: Turnaround Time: 5
QC PACKAGE: Expanded Deliverables # = Field(s) Changed

- - - - - - - R E P R I N T - - - - - - -

UX2 9-2 PH=1 FC=N

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-		GPGC2-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#MW-302/090104
			# # # # # Added	11#52	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
002-		GPGDJ-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#MW-6/090104
			# # # # # Added	11#25	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
003-		GPGDK-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#MW-12/090104
			# # # # # Added	10#30	#		Q: CLP MSVOA TCL Standard List
							#EMS REQ THIS SAM,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
003-D	"	-1AD	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	
			# # # # # Added	#	#		AP9 Compounds
003-S	"	-1AC	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	
			# # # # # Added	#	#		AP9 Compounds
004-		GPGDL-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#MW-4/090104
			# # # # # Added	11#00	#		Q: CLP MSVOA TCL Standard List
							#EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
005-		GPGDM-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#MW-35/090104
			# # # # # Added	9#52	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
006-		GPGDN-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#WRPZ05/090104
			# # # # # Added	13#40	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
007-		GPGDP-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#WRPZ20/090104
			# # # # # Added	13#55	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
008-		GPGDR-1AA	XX I 25 QK 01 MS8260LL	9/01/04	9/15/04	Y	#OUTFALL-WR/090104
			# # # # # Added	14#30	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds

MSVOC Lot Summary - A4I020164

CLIENT: 5670 PAYNE FIRM INC. SDG: 4I02164 Date Received: 9/02/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 9/07/04 N
SITE: EMD CHEMICAL, OHIO Date Report Due: 9/13/04
LOT COMMENTS: Turnaround Time: 5
QC PACKAGE: Expanded Deliverables

79/80

- - - - - - - R E P R I N T - - - - - - - # = Field(s) Changed

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
009	GPGDT-1AA	XX I 25 QK 01 MS8260LL		9/01/04	9/15/04	Y	#FB01/090104
		# # # # # Added		11#15	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
010	GPGDV-1AA	XX I 25 QK 01 MS8260LL		9/01/04	9/15/04	Y	#DUP01/090104
		# # # # # Added		#	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds
011	GPGD0-1AA	XX I 25 QK 01 MS8260LL		9/01/04	9/15/04	Y	#TB01/090104
		# # # # # Added		#	#		Q: CLP MSVOA TCL Standard List
							EMS REQ CLT SPEC,EXP DEL,SDG #4I02164,DUE 9-7-04,8260-
							#10X LESSER DILUTION
							AP9 Compounds

3

2AA

2

UXZ 9-2 PK=1 FC=1

09/14/04 09:59:36 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4I020164	1	GPGC21AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	1	GPGC22AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	2	GPGDJ1AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	3	GPGDK1AA	MS8260LL	9/03/04	Laura Evans
A4I020164	3	GPGDK2AA	MS8260LL	9/03/04	Laura Evans
A4I020164	4	GPGDL1AA	MS8260LL	9/03/04	Laura Evans
A4I020164	4	GPGDL2AA	MS8260LL	9/03/04	Laura Evans
A4I020164	5	GPGDM1AA	MS8260LL	9/03/04	Laura Evans
A4I020164	5	GPGDM2AA	MS8260LL	9/03/04	Laura Evans
A4I020164	6	GPGDN1AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	7	GPGDP1AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	8	GPGDR1AA	MS8260LL	9/03/04	Laura Evans
A4I020164	8	GPGDR2AA	MS8260LL	9/03/04	Laura Evans
A4I020164	9	GPGDT1AA	MS8260LL	9/02/04	Richard Quayle
A4I020164	10	GPGDV1AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	10	GPGDV2AA	MS8260LL	9/03/04	Richard Quayle
A4I020164	11	GPGD01AA	MS8260LL	9/03/04	Laura Evans

* * * E N D O F R E P O R T * * *

END OF REPORT