DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

MAY 22 2013

MEMORANDUM FOR: U.S. Environmental Protection Agency – Region 2
Attn: Robert Morse
Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866

New York State Department of Environmental Conservation
Attn: Ms. Heather Bishop
Division of Environmental Remediation
625 Broadway 11th Floor
Albany, NY 12233-7015

Ms. Kristin Kulow
New York State Department of Health
Bureau of Environmental Exposure Investigation
28 Hill Street, Suite 201
Oneonta, NY 13820

FROM: AFCEC/CIBE - Griffiss
706 Brooks Road
Rome, New York 13441

SUBJECT: Final Quarterly Operations and Maintenance Report
(3rd Quarter / Calendar Year 2012)
SD-052-02 Building 775 Site (Buildings 774 and 776) and SD-052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)
Sub-Slab Vapor Mitigation Systems, Revision 2.0 / May 2013
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595 / Delivery Order 0014

1. Enclosed is the "Final Quarterly Operations and Maintenance Report (3rd Quarter / Calendar Year 2012) for SD-052-02 Building 775 Site (Buildings 774 and 776) and SD-052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)".

2. This report documents the operations and maintenance of the respective sub-slab vapor mitigation systems at the Former Griffiss AFB in Rome, New York. This version of the report incorporates data up until September 2012.

3. Please provide any comments by June 24, 2013 so that project schedules and performance milestones can be maintained in accordance with this Performance Based Contract.

4. Should you have any questions or concerns please contact me at 315 356 0810 ex 202.



MICHAEL F. MCDERMOTT
Air Force Civil Engineer Center
AFCEC/CIBE – Griffiss

Enclosures: as noted

FINAL

QUARTERLY OPERATION AND MAINTENANCE REPORT
SD-052-02 BUILDING 775 SITE (BUILDINGS 774 AND 776) AND SD-052-01 APRON 2 CHLORINATED PLUME SITE (BUILDINGS 785 AND 786)
SUB-SLAB VAPOR MITIGATION SYSTEMS
(3RD QUARTER / CALENDAR YEAR 2012 / JULY – SEPTEMBER)

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineer Center
706 Brooks Road
Rome, New York 13441

Prepared by:

584 Phoenix Drive
Rome, New York 13441

In association with:

10901 Lowell Avenue, Suite 271
Overland Park, Kansas 66210

Contract Number FA8903-10-D-8595/Delivery Order 0014

Revision 2.0
May 2013

This page is intentionally left blank.

TABLE OF CONTENTS

SECTION **PAGE**

1 INTRODUCTION 1

2 SITE INFORMATION 3
2.1 Buildings 774 and 776 Site SD-052-02 Building 775 3
2.1.1 Groundwater Investigation 3
2.1.2 2006 Soil Vapor Intrusion Evaluation 4
2.1.3 Building 774 Soil Vapor Intrusion Results 2008 5
2.1.4 Building 776 Soil Vapor Intrusion Results 2008 5
2.2 Buildings 785 and 786 Site SD-052-01 Apron 2 Chlorinated Plume 5
2.2.1 Groundwater Investigation 6
2.2.2 2006 Soil Vapor Intrusion Evaluation 6
2.2.3 Building 785 Soil Vapor Intrusion Results 2008 7
2.2.4 Building 786 Soil Vapor Intrusion Results 2008 7

3 SUB-SLAB VAPOR MITIGATION SYSTEM OPERATION AND MAINTENANCE 9
3.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation System 9
3.1.1 Previous Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance Results 9
3.1.1.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2011 9
3.1.1.2 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2012 10
3.1.2 3rd Quarter / Calendar Year 2012 (July - September) Buildings 774 and 776 Sub-Slab Vapor Mitigation System Operations and Maintenance Results 11
3.1.2.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation System Soil Vapor Monitoring 11
3.2 Buildings 785 and 786 Sub-Slab Vapor Mitigation System 12
3.2.1 Previous Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance Results 12
3.2.1.1 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2011 12
3.2.1.2 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2012 13
3.2.2 3rd Quarter / Calendar Year 2012 (July - September) Buildings 785 and 786 Sub-Slab Vapor Mitigation System Operations and Maintenance Results 14
3.2.2.1 Buildings 785 and 786 Sub-Slab Vapor Mitigation System Soil Vapor Monitoring 14

4 DISCUSSION 17

5 RECOMMENDATIONS 19

6 REFERENCES 21

LIST OF FIGURES

Figure 1-1 SSVM Site Locations
Figure 2-1 Buildings 774 and 776 Site Features
Figure 2-2 Buildings 785 and 786 Site Features
Figure 3-1 Buildings 774 and 776 SSVM System
Figure 3-2 Buildings 785 and 786 SSVM System
Figure 3-3 774SSVM-1, -2 and 776SSVM-1 Long Term Operation Flow Rate
Figure 3-4 774SSVM-1, -2 and 776SSVM-1 Long Term Operation Vacuum
Figure 3-5 785SSVM-1 and 786SSVM-1 Long Term Operation Flow Rate
Figure 3-6 785SSVM-1 and 786SSVM-1 Long Term Operation Vacuum
Figure 3-7 Sub-Slab TCE Trend Chart Buildings 774 and 776
Figure 3-8 Influent TCE Trend Chart Buildings 774 and 776
Figure 3-9 Sub-Slab TCE Trend Chart Buildings 785 and 786
Figure 3-10 Influent TCE Trend Chart Buildings 785 and 786

LIST OF TABLES

Table 2-1 SVI Historical Results Table
Table 3-1 SSVM Systems Operation and Maintenance
Table 3-2 SSVM Performance Monitoring Sub-Slab Vapor, Indoor and Outdoor Air Results
Table 3-3 SSVM Performance Monitoring Influent Results

LIST OF APPENDICES
(electronic copy on CD)

Appendix A Operation and Maintenance Field Forms
Appendix B Sub-Slab Vapor Sampling Forms
Appendix C Raw Lab Data
Appendix D Validated Data

LIST OF ACRONYMS AND ABBREVIATIONS

acfm	actual cubic feet per minute
AF	Air Force
AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFRPA	Air Force Real Property Agency
bgs	below ground surface
COC	Contaminant of Concern
CY	calendar year
DCE	dichloroethylene/dichloroethene
EEEPC	Ecology & Environment Engineering, P.C
FPM	FPM Remediations, Inc.
ft	feet
GAC	granular activated carbon
in w.g.	inches of water
µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
PCE	tetrachloroethylene/perchloroethylene/tetrachloroethene/perchloroethene
PDI	pre-design investigation
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
ROD	Record of Decision
RWPCF	Rome Water Pollution Control Facility
SSVM	Sub-Slab Vapor Mitigation
sq ft	square feet
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TCA	trichloroethane

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

TCE	trichloroethylene/trichloroethene
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VMP	Vapor Monitoring Point
VOC	volatile organic compound

1 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE Environmental Management, Inc., under contract with the Air Force Civil Engineer Center (AFCEC), is conducting Operation and Maintenance (O&M) on Sub-Slab Vapor Mitigation (SSVM) systems associated with SD-052-02 Building 775 Site [Buildings 774 and 776] and SD-052-01 Apron 2 Chlorinated Plume Site [Buildings 785 and 786] at the former Griffiss Air Force Base (AFB) in Rome, New York. The O&M at the sites is conducted in accordance with provisions of the Basic Contract # FA8903-10-D-8595 and Delivery Order # 0014. Figure 1-1 depicts the SSVM site locations of Buildings 774, 776, 785 and 786.

This quarterly report has been prepared to provide the SSVM systems O&M activities from the 3rd quarter of the calendar year (CY) 2012 including the months of July through September. Additionally, the report contains (as applicable) analytical results and discussion of soil vapor intrusion (SVI) sampling which is performed to evaluate SSVM. O&M was conducted in accordance with the Final Completion Report Sub-Slab Vapor Mitigation Systems (FPM, February 2013).

This page is intentionally left blank.

2 SITE INFORMATION

2.1 BUILDINGS 774 AND 776 SITE SD-052-02 BUILDING 775

Buildings 774 and 776 are located between Phoenix Drive and Patrol Road on Strategic Air Command Hill at the former Griffiss AFB in Rome, NY and are associated with the SD-052-02 Building 775 Site (Figure 2-1). Building 774 is a one-story, 18,990 square feet (sq ft) office building, currently occupied by a computer/security firm. The building is occupied on work days from 8 AM to 5 PM by approximately 45 people. Building 774 was built in 1959, but underwent major renovations in 2000. New windows and doors were installed, 36 new air handlers were installed, including new air ducts in ceilings and new cooling towers. The building is built on an 8-inch thick concrete slab, with no basement and most floors are covered with carpeting. Several floor drains exist in bathrooms, janitor closets and the boiler room.

Building 776 is a one-story, 27,410 sq ft office building, currently occupied by a software development firm. The building is occupied on work days from 7 AM to 6 PM by approximately 80 people. Building 776 was built in 1959, but underwent major renovations in 2002. New windows, which do not open, and doors were installed, the interior was refinished and most floors were covered with new carpeting. Heat and outdoor air are provided through 43 heat pumps. The building is built on a 3.5 to 6-inch thick concrete slab, with no basement. Several floor drains exist in bathrooms and one crack was observed in the concrete floor near the southeastern entrance door.

The Building 775 Site plume is located downgradient and south of former maintenance facilities in Buildings 774 and 776 and former fuel pump house Building 775. Although the source has not been identified, solvent use in Building 774 was thought to be a primary source of trichloroethylene (TCE) contamination. Solvent use was widespread in these facilities in the 1950s, 1960s, and early 1970s. The contaminated aquifer is comprised of silty sands with an average thickness extending from 60 feet (ft) below ground surface (bgs) to 120 ft bgs, where shale bedrock is encountered.

2.1.1 Groundwater Investigation

The primary contaminant exceeding New York State Department of Environmental Conservation (NYSDEC) Class GA Groundwater Standards is TCE, with minor detections of 1,1,1-trichloroethane (TCA) and perchloroethylene (PCE). Monitoring well 775VMW-5, located near the corner of Building 776, is the only well in the maintenance area that contains elevated levels of TCE (99.2 micrograms per liter [µg/L] in September 2004). Most of the Building 775 plume appears to have migrated south toward Landfill 6. In September 2004, the maximum groundwater TCE concentration was 134 µg/L (detected at well 775-MW20, located near the leading edge of the plume near Perimeter Road). TCE was detected at 132 µg/L (in well 775VMW-10), which is also located near the leading edge of the plume near Perimeter Road. TCE in both of these wells was detected in the bottom half of the sandy aquifer in screened intervals from 88 to 120 ft bgs. Nearby well LF6MW-1 is screened in the upper 10 ft of the aquifer and does not have detectable TCE concentrations (FPM, February 2005). Based on the

current TCE distribution, it appears that the TCE was likely spilled in the vicinity of Building 774 and has migrated southward and downward in the aquifer.

Additional sampling was performed by Ecology & Environment, Inc., and FPM in 2006 as part of the feasibility study for the Building 775 Site. Ecology & Environment Engineering, P.C., (EEEPC) performed pre-design investigation (PDI) activities at the Building 775 Site starting in September 2006. First, two monitoring wells were installed (775MW-27 and -28). The wells were developed and sampled at the end of October into the beginning of November 2006. Results showed that the primary contaminant exceeding NYSDEC Class GA Groundwater Standards is TCE, with minor detections of 1,1,1-TCA and PCE. FPM performed sampling at several other monitoring wells at the Building 775 Site in order to create a complete understanding of current site conditions. The results and conclusions were reported in the Final PDI Report (EEEPC, February 2007).

A remedial action was selected through the On-base Groundwater Record of Decision (ROD) [Air Force Real Property Agency (AFRPA), December 2008] and described in the Remedial Action Work Plan (RAWP) [Parsons, July 2008]. The SVI in Buildings 774 and 776 is being managed as a separate operable unit and therefore is not included in the On-base Groundwater ROD. The remedial action is a groundwater extraction system with a discharge to an off-site treatment facility. The groundwater extraction system is designed to contain the contaminated plume and extract the contaminants from the aquifer. The start-up date of the groundwater extraction system was January 5, 2009. At this time, FPM also started sampling at Building 775 Site to monitor the performance of the installed remedy. The most recent performance monitoring sampling results have shown TCE detections up to 68 µg/L occurring in 775VMW-5 (FPM, December, 2011). This is a decrease from the September 2004 sampling event, where monitoring results from 775VMW-5 showed a TCE detection of 99 µg/L.

2.1.2 2006 Soil Vapor Intrusion Evaluation

EEEPC also performed a SVI evaluation during the PDI activities (at Building 775 Site - SD052-02). Sub-slab sampling at the Building 775 Site indicated that chloroform and TCE were present in the sub-slab vapor at Buildings 774 and 776 at concentrations above the Air Force (AF) screening levels (FPM, October 2007). Indoor air sampling at both buildings indicated that these contaminants were present, but at concentrations below the AF screening levels. Sub slab vapor TCE concentrations ranged from 810 µg/m^3 to 1,700 µg/m^3 at Building 774. Sub slab vapor TCE concentrations ranged from 700 µg/m^3 to 3,000 µg/m^3 at Building 776. The TCE and chloroform detections were likely associated with the groundwater contamination plume located in the area. TCE has been detected in groundwater at concentrations above screening levels, while chloroform has been detected in groundwater at concentrations below screening levels. The SVI evaluation sample locations are shown on Figure 2-1 and corresponding results are provided in Table 2-1.

This SVI survey was reviewed by the Air Force, NYSDEC, New York State Department of Health (NYSDOH) and United States Environmental Protection Agency (USEPA) and during discussions among these parties, a plan for additional sampling was established, which was then implemented by FPM in April and May 2008 (FPM, April 2008).

2.1.3 Building 774 Soil Vapor Intrusion Results 2008

The indoor air TCE concentrations, reported for Building 774 during the April 2008 sampling round, were two orders of magnitude higher than those reported in the 2006 sampling round. The Building 774 point of contact (Dave Perella, Senior Facilities Engineer) confirmed that renovations, performed in Building 774 between December 2007 and May 2008, included carpet glue removal through solvent use. Indoor and outdoor air samples were recollected in May 2008 in Building 774. The recollected results show that indoor air TCE concentrations were similar to levels reported in 2006 (Table 2-1). Sub-slab vapor results for Building 774 slightly decreased in comparison to 2006 results. The highest result reported in 2008 was 590 µg/m^3 at location 774SSV-2.

In Building 774, the 2008 indoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. The 2008 sub-slab vapor concentrations in Building 774 exceeded AF screening levels.

2.1.4 Building 776 Soil Vapor Intrusion Results 2008

The indoor air TCE concentrations reported for Building 776 during the April 2008 sampling round were comparable to levels reported in 2006. Sub-slab vapor results for Building 776 were lower compared to 2006 results. The highest result reported in 2008 was 110 µg/m^3 at location 774SSV-2.

In Building 776, the 2008 indoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. The 2006 sub-slab vapor concentrations in Building 776 exceeded AF screening levels. Concentrations in 2008 were below screening levels.

2.2 BUILDINGS 785 AND 786 SITE SD-052-01 APRON 2 CHLORINATED PLUME

Buildings 785 and 786 are located on the SD-052-01 Apron 2 Chlorinated Plume Site at the former Griffiss AFB in Rome, NY (Figure 2-2). Buildings 785 and 786 are 28,251 sq ft, unheated airplane hangars. The buildings are used for storage by the Griffiss International Airport. The buildings are largely open with several first and second floor offices in the southwest corners of the buildings. Buildings 785 and 786 were built in 1959 and were taken out of service in 1995 after the former Griffiss AFB was closed. The buildings are built on a 13.5 to 14-inch thick, unsealed concrete slab comprised of numerous concrete pads installed together with areas of caulked expansion gaps. Large visible cracks in the concrete floors were repaired. Two large trenches exist in the buildings; one along the large aircraft bay doors on the southeast side of the building and a smaller trench along the overhead door on the northwest side of the buildings. These trenches contain several cracks that may act as conduits. All heating and air handling equipment is in a state of disrepair and assumed inoperable. The buildings are poorly sealed due to broken windows, doors left ajar and holes observed in the sheet metal outer covering of the building. According to drilling logs from the site, silty sand and gravelly sands

are the predominant lithology encountered. Groundwater monitoring wells are currently present in Building 785 and outside in the vicinity of both buildings.

2.2.1 Groundwater Investigation

An extensive groundwater investigation has occurred surrounding Buildings 785 and 786, which is now in the performance monitoring phase. There are three primary contaminants in the plumes that exceed NYSDEC Class GA Groundwater Standards: TCE and its breakdown products cis-1,2-dichloroethylene (DCE) and vinyl chloride (VC). The southern plume is commingled with several petroleum fuel plumes originating from Apron 2 fueling system. At locations where chlorinated solvents and fuel contaminants are commingled, significant reductive dechlorination is occurring; therefore the selected remedy is monitored natural attenuation, as stated in the On-base Groundwater ROD (AFRPA, December 2008). The SVI in Buildings 785 and 786 is being managed as a separate operable unit and therefore is not included in the On-base Groundwater ROD. Monitored natural attenuation was initiated on September 24, 2008. The most recent groundwater sampling results have shown TCE detections up to 34.8 µg/L at monitoring well 782VMW-105B, cis-1-2-DCE detections up to 43.4 µg/L at monitoring well 782VMW-78 and VC detections up to 39.5 µg/L at monitoring well 782VMW-84 (FPM, December 2011).

2.2.2 2006 Soil Vapor Intrusion Evaluation

EEEPC performed an SVI Evaluation in 2006 at the Apron 2 Chlorinated Plume Site. Buildings 782, 783, 784, 785, and 786 were evaluated. No detection exceeding screening levels was reported for Buildings 782, 783, and 784. The Nosedocks 1 and 2 ROD (AFRPA, July 2011) included the selected remedy of No Further SVI action or evaluation for these buildings. Sub-slab sampling at the Apron 2 Chlorinated Plume Site indicated that PCE, TCE and chloroform were present in the sub-slab vapor beneath Buildings 785 and 786 at concentrations above the AF screening levels. Sub-slab vapor sampling results for the 2006 sampling event showed TCE concentrations ranging from 2,300 µg/m^3 to 11,000 µg/m^3 at Building 785. TCE was detected beneath Building 786 at concentrations ranging from 4,700 to 81,000 µg/m^3 in 2006 and PCE was detected at 2,200 µg/m^3at location 786SSV-1. Indoor air sampling indicated that PCE and TCE were present, but at concentrations below the AF screening levels. No chloroform was reported in the indoor air. TCE was detected consistently in groundwater samples from wells within the groundwater contamination plume. PCE was never detected in groundwater. Chloroform exceedances of the NYSDEC Class GA Groundwater Standards were reported in the March 2009 sampling round in virtually all monitoring wells at Building 786. These exceedances were attributed to a reported water line break which discharged drinking water for an extended period of time at the site. The chloroform exceedances have shown a decreasing trend after the leak was repaired. SVI evaluation sample locations are shown on Figure 2-2 and corresponding results are provided in Table 2-1, SVI Results Table.

This SVI survey was reviewed by the Air Force, NYSDEC, NYSDOH, and USEPA and during discussions among these parties, a plan for additional sampling was established, which was then implemented by FPM in April and May 2008 (FPM, April 2008).

2.2.3 Building 785 Soil Vapor Intrusion Results 2008

Sub-slab sampling in 2008 at the Apron 2 Chlorinated Plume Site indicated that chloroform and TCE were present in the sub-slab vapor beneath Building 785 at concentrations above the screening levels. Indoor air sampling indicated that these contaminants were present, but at concentrations below the screening levels. The April 2008 sampling round data were lower at 785SSV-1 (identical to two orders of magnitude lower) than those reported for the 2006 sampling round data. TCE detections ranged from 11 $\mu g/m^3$ to 2,200 $\mu g/m^3$.

2.2.4 Building 786 Soil Vapor Intrusion Results 2008

Sub-slab sampling in 2008 at the Apron 2 Chlorinated Plume Site indicated that PCE, and TCE were present in the sub-slab vapor beneath Building 786 at concentrations above the screening levels; indoor air sampling indicated that these contaminants were present, but at concentrations below the screening levels. Sub-slab vapor sampling results for the April 2008 sampling round were lower but within the same order of magnitude as those reported for the 2006 sampling round. Sub-slab vapor TCE concentrations ranged from 69 $\mu g/m^3$ to 19,000 $\mu g/m^3$. Generally, small petroleum detections were reported in all samples, but none exceeded the sub-slab screening levels.

This page is intentionally left blank.

3 SUB-SLAB VAPOR MITIGATION SYSTEM OPERATION AND MAINTENANCE

3.1 BUILDINGS 774 AND 776 SUB-SLAB VAPOR MITIGATION SYSTEM

FPM performed SSVM at Buildings 774 and 776 with continuous system operation starting on June 6, 2011. The Buildings 774 and 776 system is composed of four horizontal wells with a total combined screen length of 360 ft performing under a flow rate of 1 actual cubic feet per minute (acfm) per foot of screen. Building 774 has three horizontal wells with a total combined screen length of 180 ft and Building 776 has one horizontal well with a screen length of 160 ft. The SSVM system is shown in Figure 3-1.

Table 3-1 illustrates the SSVM Systems O&M schedule. O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), semi-annual vapor monitoring point (VMP) vacuum measurements, and granular activated carbon (GAC) disposal and replacement every two months. Indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling are conducted semi-annually during the heating and cooling months.

3.1.1 Previous Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance Results

3.1.1.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2011

The installation, start-up and initial operation of the SSVM system at Buildings 774 and 776 occurred under a separate contract (FA8903-04-D-8687). This mitigation action is documented in the Final Completion Report Sub-Slab Vapor Mitigation Systems (FPM, February 2013). The performance evaluation section of this referenced report documents sub-slab vapor sampling results (Table 3-2) indicating a decreasing trend in TCE levels in Buildings 774 and 776. The highest reported result in Building 774 was during the baseline sampling event (May 4, 2011) at 2,900 µg/m^3 at location 774VMP-2. After five months of system operation the reported result for this location was 11 µg/m^3. The highest reported result in Building 776 was during the baseline sampling event (May 4, 2011) at 830 µg/m^3 at location 776VMP-3. After five months of system operation the reported result for this location was 7.3 µg/m^3.

All indoor and outdoor air concentrations were within an acceptable range and did not pose an unacceptable risk to building occupants. All sub-slab vapor concentrations fell below screening levels after five months of system operation.

4th Quarter / Calendar Year 2011 (November - December)

It was documented in the Quarterly Operations and Maintenance Report, (4th Quarter / Calendar Year 2011), (FPM, May 2012), that the Buildings 774 and 776 SSVM system extracted approximately 30 gallons per week of water which was then collected in a vapor-liquid separator. An application to discharge extracted water into the sanitary sewer was submitted to the Rome Water Pollution Control Facility (RWPCF). Discharge approval was received on January 5, 2012.

A vapor effluent sample was collected on December 19, 2011 from the Buildings 774 and 776 SSVM system. Effluent sampling location was installed on the SSVM system's exhaust stack after carbon treatment. TCE was not detected in Buildings 774 and 776 effluent sample. Following effluent sampling GAC was replaced.

GAC replacement was conducted in December 2011 following the effluent sampling event. GAC replacement is based on the carbon life span due to adsorption of the effluent contaminant of concern (COC) concentrations. A replacement schedule for GAC was initially determined through calculations performed in the Work Plan for SSVM Design (FPM, February 2011). These calculations were then checked empirically using the December 2011 effluent sampling results. It was proven that a bimonthly schedule was an adequate schedule for GAC replacement (FPM, May 2012). Once the carbon life span was determined, effluent sampling was removed from the O&M schedule.

3.1.1.2 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2012

1st Quarter / Calendar Year 2012 (January - March)

GAC was replaced on February 23, 2012, in accordance with the O&M schedule for carbon replacement.

Sampling occurred at Buildings 774 and 776 on January 25 and 26, 2012. The highest TCE concentration for sub-slab sampling results in Building 774 was at location 774VMP-1, with a concentration of 4.8 µg/m^3. The indoor air sampling result for TCE at Building 774 was 1.5 F µg/m^3 (The F data qualifier indicates that the analyte was detected at or below quantitation limits). TCE was not detected in the outdoor air sample collected between Buildings 774 and 776. For Building 776, the highest sub-slab TCE concentration was in location 776VMP-3, at 13 µg/m^3. The indoor air TCE concentration was 0.41 F µg/m^3. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All of the sub-slab results were below vapor screening levels.

Semi-annual influent sampling occurred on January 24, 2012, prior to sub-slab vapor sampling to determine effective soil vapor extraction (SVE). The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 300 µg/m^3.

2nd Quarter / Calendar Year 2012 (April - June)

GAC was replaced on April 23, 2012, in accordance with the O&M schedule for carbon replacement. Sampling did not occur at Buildings 774 and 776 during the 2nd quarter / CY 2012.

Weekly system component readings from this quarter showed that the system vacuum had a decreasing trend. This is attributed to the system initially extracting water from the sub-surface up until April 2012. The vapor liquid separator did not collect any water past April 2012.

Therefore, the approved permit (FPM-001) through RWPCF for Buildings 774 and 776 to discharge extracted water into the sanitary sewer was reviewed and closed.

3.1.2 3rd Quarter / Calendar Year 2012 (July - September) Buildings 774 and 776 Sub-Slab Vapor Mitigation System Operations and Maintenance Results

The SSVM system at Buildings 774 and 776 has been in operation since June 2011. O&M activities conducted during this quarter included weekly system component readings (system temperature, flow, vacuum and motor status), GAC replacement, semi-annual VMP vacuum measurements, and semi-annual indoor and outdoor air, sub-slab vapor, and influent sampling. The system flow rate and vacuum readings collected in previous quarters and this quarter are illustrated on Figure 3-3 and Figure 3-4, respectively. GAC was replaced on July 17 and September 5, 2012 at the site. All scanned O&M field forms are provided in Appendix A.

Additional O&M activities that occurred at the Buildings 774 and 776 SSVM system included the replacement of the inline air filter.

3.1.2.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation System Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 774 and 776 on August 6, 2012. Only one outdoor air sample was collected between Buildings 774 and 776 due to the close proximity of the buildings. The outdoor air sample result is included in Table 3-2 with the Building 776 analytical results. All sampling forms completed during this event are provided in Appendix B. The highest sub-slab TCE concentration in Buildings 774 and 776 were detected as follows:

- Building 774 - TCE concentration: 20 µg/m^3 at location 774VMP-2, and
- Building 776 - TCE concentration: 12 µg/m^3 at location 776VMP-3.

The indoor and outdoor air TCE concentrations were detected as follows:

- Building 774 - TCE concentration: 0.35 F µg/m^3 in the indoor air,
- Building 776 - TCE concentration: not detected in the indoor air, and
- TCE concentration: not detected in the outdoor air between Buildings 774 and 776.

All of the sub-slab results were below vapor screening levels. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. The outdoor air sample had similar volatile organic compound (VOC) results when compared to the indoor air samples (acetone, carbon tetrachloride, chloromethane, Freon 11, Freon 113, Freon 12, Freon 22, isopropyl alcohol, methyl butyl ketone, methyl ethyl ketone, methylene chloride, n-butane, and toluene) which could be accounted for through outdoor air infiltration. Table 3-2 summarizes the sub-slab vapor, indoor and outdoor air analytical results and Figure 3-7 shows the sub-slab TCE vapor trend chart in both Buildings 774 and 776. All raw lab data and validated lab data are provided in Appendix C and Appendix D, respectively.

Semi-annual influent sampling occurred on August 3, 2012, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 190 µg/m^3. Table 3-3 summarizes influent results and Figure 3-8 shows the trend for influent results at Buildings 774 and 776 since the start-up of the SSVM system.

3.2 BUILDINGS 785 AND 786 SUB-SLAB VAPOR MITIGATION SYSTEM

FPM performed SSVM at Buildings 785 and 786 with continuous system operation starting on May 19, 2011. The Buildings 785 and 786 system is composed of two horizontal wells with a total combined screen length of 300 ft performing under a flow rate of 1 acfm per foot of screen. Building 785 has one horizontal well with a screen length of 140 ft and Building 786 has one horizontal well with a screen length of 160 ft. The SSVM system is shown in Figure 3-2.

Table 3-1 illustrates the SSVM Systems O&M schedule. O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), weekly VMP vacuum measurements, and GAC disposal and replacement every two months. Indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling are conducted semi-annually during the heating and cooling months.

3.2.1 Previous Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance Results

3.2.1.1 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2011

The installation, start-up and initial operation of the SSVM system at Buildings 785 and 786 occurred under a separate contract (FA8903-04-D-8687). This mitigation action is documented in the Final Completion Report Sub-Slab Vapor Mitigation Systems (FPM, February 2013). The performance evaluation section of this report documents sub-slab vapor sampling results (Table 3-2) indicated a decreasing trend in TCE levels in Buildings 785 and 786. The highest reported result in Building 785 was during the baseline sampling event (March 18, 2011) at 720 µg/m^3 at location 785VMP-4. After five months of system operation the reported result for this location was 33 µg/m^3. The highest reported result in Building 786 was during the baseline sampling event (January 18, 2011) at 4,900 µg/m^3 at location 786VMP-1. After five months of system operation the reported result for this location was 49 µg/m^3.

Location 785VMP-5 was not sampled during the baseline sampling event due to retained water observed in the VMP. A new location was installed north of the horizontal well. The new location was sampled during the three month sampling event where TCE was reported at 610 µg/m^3. After five months of system operation the reported result for this location was 140 µg/m^3.

All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All sub-slab vapor concentrations fell below screening levels after five months of system operation.

4th Quarter / Calendar Year 2011 (November - December)

An effluent sample was collected on December 19, 2011. The effluent sampling location was installed on the SSVM system's exhaust stack after carbon treatment. Results showed a TCE concentration of 4.1 µg/m^3 in Buildings 785 and 786.

GAC replacement was conducted in December 2011 following the effluent sampling event. GAC replacement is based on the carbon life span due to adsorption of the effluent contaminant of COCs. A replacement schedule for GAC was initially determined through calculations performed in the Work Plan for SSVM Design (FPM, February 2011). These calculations were then checked empirically using the December 2011 effluent sampling results. It was proven that a bimonthly schedule was an adequate schedule for GAC replacement (FPM, May 2012). Once the carbon life span was determined, effluent sampling was removed from the O&M schedule.

3.2.1.2 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2012

1st Quarter / Calendar Year 2012 (January - March)

GAC was replaced on February 23, 2012, in accordance with the O&M schedule for carbon replacement.

Sampling occurred at Buildings 785 and 786 in the month of January through February 2012 on January 27, January 31 and February 7 and sampling locations are shown on Figure 3-2. At the Building 785 Site, the highest sub-slab TCE concentration resulted in 18 µg/m^3 at location 785VMP-5. TCE was not detected in the indoor air of Building 785. TCE was not detected in the outdoor air sample collected between Buildings 785 and 786. The highest sub-slab TCE concentration in Building 786 was at location 786VMP-2 at a level of 22 µg/m^3. This location also has a detection for chloroform at 12 µg/m^3. The concentration for chloroform was above sub-slab screening levels up until this sampling event. TCE was not detected in the indoor air of Building 786. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All of the sub-slab results were below vapor screening levels.

Semi-annual influent sampling occurred on January 24, 2012, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 785 and 786 for TCE were 140 µg/m^3.

2nd Quarter / Calendar Year 2012 (April - June)

GAC was replaced on April 23, 2012, in accordance with the O&M schedule for carbon replacement. Sampling did not occur at Buildings 774 and 776 during the 2nd quarter / CY 2012.

3.2.2 3rd Quarter / Calendar Year 2012 (July - September) Buildings 785 and 786 Sub-Slab Vapor Mitigation System Operations and Maintenance Results

The SSVM system at Buildings 785 and 786 has been in operation since May 2011. O&M activities conducted during this quarter included weekly system component readings (system temperature, flow, vacuum and motor status), GAC replacement, semi-annual VMP vacuum measurements, and semi-annual indoor and outdoor air, sub-slab vapor, and influent sampling. The system flow rates and vacuum collected in previous quarters and this quarter are illustrated on Figure 3-5 and Figure 3-6, respectively. GAC was replaced on July 5 and September 5, 2012 at the site. All scanned O&M field forms are provided in Appendix A.

Additional O&M activities occurred at the Buildings 785 and 786 SSVM system during the 3rd quarter of the CY 2012. During system readings on August 24, 2012, it was observed that system vacuum had decreased and the flow rate in horizontal well 786SSVM-1 had significantly increased. Therefore the dead end of the horizontal well 786SSVM-1 was investigated and it was observed that the dead end cap had been damaged. Therefore, the system was shut down and the cap was repaired. The system was turned back on the next day following the repairs.

On August 31, 2012, the system was found to not be operating upon arrival. Troubleshooting procedures were followed including checking the power source and checking for dirt build up in the regenerative blower. It was observed that the regenerative blower was clean, but the power source was not adequate. Griffiss Utility Service Corporation was contacted and they determined a transformer that converts power to be used by the Buildings 785 and 786 SSVM system was not working properly. The transformer was replaced. Also during the down time the electrical motor of the regenerative blower was brought to an electrical motor service shop and the bearings were replaced. Following the electrical motor servicing, the system was turned back on and began operation on October 25, 2012.

3.2.2.1 Buildings 785 and 786 Sub-Slab Vapor Mitigation System Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 785 and 786 on August 8, 2012. Only one outdoor air sample was collected between Buildings 785 and 786 due to the close proximity of the buildings. The outdoor air sample result is included in Table 3-2 with the Building 785 analytical results. All sampling forms completed during this event are provided in Appendix B. The indoor and outdoor air TCE concentrations were non detect. The highest sub-slab TCE concentration in Buildings 785 and 786 were detected as follows:

- Building 785 - TCE concentration: 39 µg/m^3 at location 785VMP-4, and
- Building 786 - TCE concentration: 110 µg/m^3 at location 786VMP-2.

All of the sub-slab results were below vapor screening levels. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. The outdoor air sample had similar VOC results when compared to the indoor air samples (1,2,4-trimethylbenzene, acetone, benzene, chloromethane, cyclohexane, ethylbenzene, Freon 11, Freon 113, Freon 12, hexane, isopropyl alcohol, m,p-xylene, methyl ethyl ketone, methylene chloride, n-butane, o-xylene and toluene) which could be accounted for

through outdoor air infiltration. Table 3-2 summarizes the sub-slab vapor, indoor and outdoor air analytical results and Figure 3-9 shows the sub-slab TCE vapor trend chart in both Buildings 785 and 786. All raw lab data and validated lab data are provided in Appendix C and Appendix D, respectively.

Semi-annual influent sampling occurred on August 3, 2012, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 785 and 786 for TCE were 250 $\mu g/m^3$. Table 3-3 summarizes influent results and Figure 3-10 shows the trend for influent results at Buildings 785 and 786 since the start-up of the SSVM system.

This page is intentionally left blank.

4 DISCUSSION

O&M activities conducted during this period of performance (3rd Quarter / CY 2012) included GAC replacement at both SSVM systems, weekly system component readings (system temperature, flow, vacuum and motor status), semi-annual VMP vacuum measurements, and semi-annual indoor and outdoor air, sub-slab vapor, and influent sampling. Additional O&M activities included the replacement of the inline air filters at both SSVM systems, and the replacement of the bearings in the electrical motor and the transformer for Buildings 785 and 786 SSVM system.

The August 2012 sampling results when compared to the baseline sampling results of both SSVM systems indicated a decreasing trend in TCE in all sub-slab VMPS. All sub-slab vapor concentrations were below screening levels. All indoor and outdoor air concentrations were also below screening levels and did not pose any unacceptable risk to building occupants. Influent sampling results at both sites indicated a decreasing trend in TCE.

This page is intentionally left blank.

5 RECOMMENDATIONS

SSVM soil vapor monitoring data shows TCE concentrations in the sub-slab are decreasing at all sites as a result of the mitigation system operation. Continued operation of the SSVM systems is recommended.

It is also recommended that comprehensive reporting of the O&M activities be reduced from quarterly to semi-annually. Quarterly O&M results will be provided in concise quarterly Data Summary Reports.

This page is intentionally left blank.

6 REFERENCES

AECOM, CAPE, FPM, *Final Uniform Federal Policy For Quality Assurance Project Plan,* Former Griffiss Air Force Base, Rome, New York, November 2011.

Air Force Institute for Operational Health, *Guide for the Assessment of the Vapor Intrusion Pathway,* IOH-RS-BR-SR-2206-0001, February 2006.

Air Force Real Property Agency, *Final Record of Decision for the On-base Groundwater AOC (SD-52),* Former Griffiss Air Force Base, Rome, New York, December 2008.

Air Force Real Property Agency, *Final Record of Decision for Nosedocks 1 and 2,* Former Griffiss Air Force Base, Rome, New York, July 2011.

Ecology & Environment Engineering, P.C., *Final Predesign Investigation, Data Summary Report at Landfill 6, Building 817/WSA, Building 775, Pumphouse 3, and AOC 9,* February 2007.

Ecology & Environment, Inc., *Final Soil Vapor Intrusion Survey Data Summary Report for Apron 2, Building 817/WSA, Building 775, and AOC 9,* Former Griffiss Air Force Base, Rome, New York, August 2007.

FPM Group Ltd, *Long Term Monitoring Report, Petroleum Spill Sites, Long Term Monitoring Program,* Former Griffiss Air Force Base, Rome, New York, Revision 1.0, February 2005.

FPM Group Ltd, *Assumptions and Screening Levels for Soil Vapor Intrusion Evaluation, Industrial/Commercial Scenario,* Revision 0.1, October 2007.

FPM Group Ltd, *Final Work Plan for Soil Vapor Intrusion Sampling at Multiple Sites,* former Griffiss Air Force Base, Revision 0.0, April 2008.

FPM Group Ltd, *Draft Soil Vapor Intrusion Evaluation, Soil Vapor Intrusion Sampling Buildings 774, 776, 785, 786 and 817,* Former Griffiss Air Force Base, Revision 0.0, July 2008.

FPM Group Ltd., *Final Spring 2010 Annual Report Performance Monitoring at On-Base Groundwater Area of Concern,* Former Griffiss Air Force Base, Rome, NY, December 2011.

FPM Remediations, Inc., *Draft Work Plan for Sub-Slab Vapor Mitigation Design,* Former Griffiss Air Force Base, Revision 0.0, February 2011.

FPM Remediations, Inc. *Final Completion Report Sub-Slab Vapor Mitigation Systems, Buildings 774, 776, 785 and 786,* Former Griffiss Air Force Base, Rome, New York, Revision 0.0, February 2013.

FPM Remediations, Inc., *Quarterly Operations and Maintenance Report, (4th Quarter / Calendar Year 2011), SD052 (Buildings 774, 776, 785 and 786), Monitoring Program,* Former Griffiss Air Force Base, Rome, New York, Revision 1.0, May 2012.

FPM Remediations, Inc., *Quarterly Operations and Maintenance Report, (1st Quarter / Calendar Year 2012), SD052 (Buildings 774, 776, 785 and 786), Monitoring Program,* Former Griffiss Air Force Base, Rome, New York, Revision 1.0, October 2012.

FPM Remediations, Inc., *Quarterly Operations and Maintenance Report, (2nd Quarter / Calendar Year 2012), SD052 (Buildings 774, 776, 785 and 786), Monitoring Program,* Former Griffiss Air Force Base, Rome, New York, Revision 1.0, November 2012.

New York State Department of Health, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Public, Final,* October 2006.

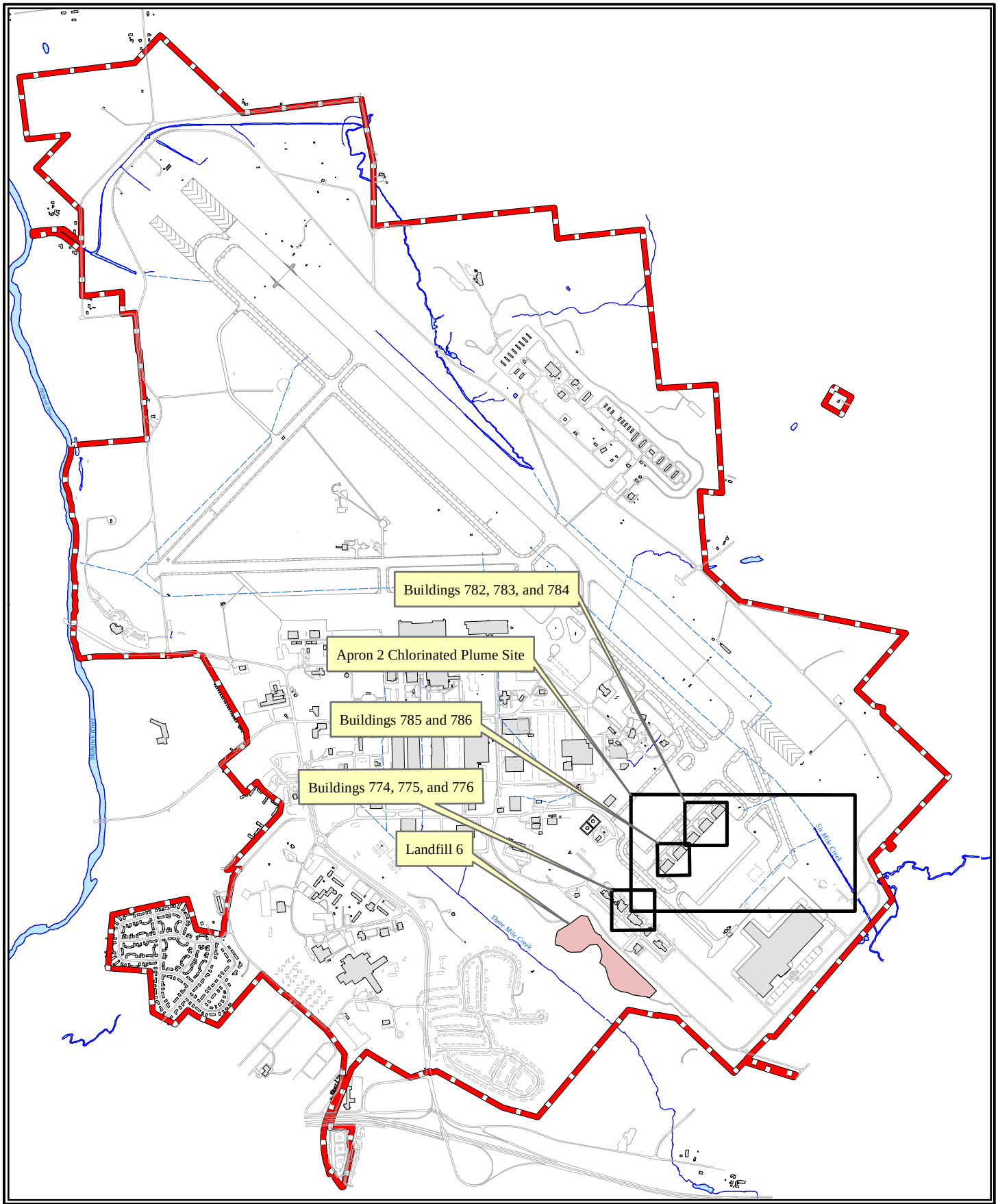
Parsons, Final Remedial Action Work Plan (RA WP), On-Base Groundwater Remediation Work Plan, Former Griffiss Air Force Base, Rome, NY, July 2008.

United States Environmental Protection Agency, *Soil Vapor Extraction Technology: Reference Handbook.* Cincinnati, OH: Office of Research and Development. EPA/540/2-91/003, 1991.

United States Army Corps of Engineers, *Soil Vapor Extraction and Bioventing Engineer Manual (EM-1110-1-4001),* 3 June 2002.

Figures

Figures



Base Location

Key to Features

- Road/Airfield
- Storm Drain
- Surface Water
- Base Boundary
- Landfill 6
- Demolished Facility
- Existing Facility
- Site Location

1,200 600 0 1,200 2,400
Feet

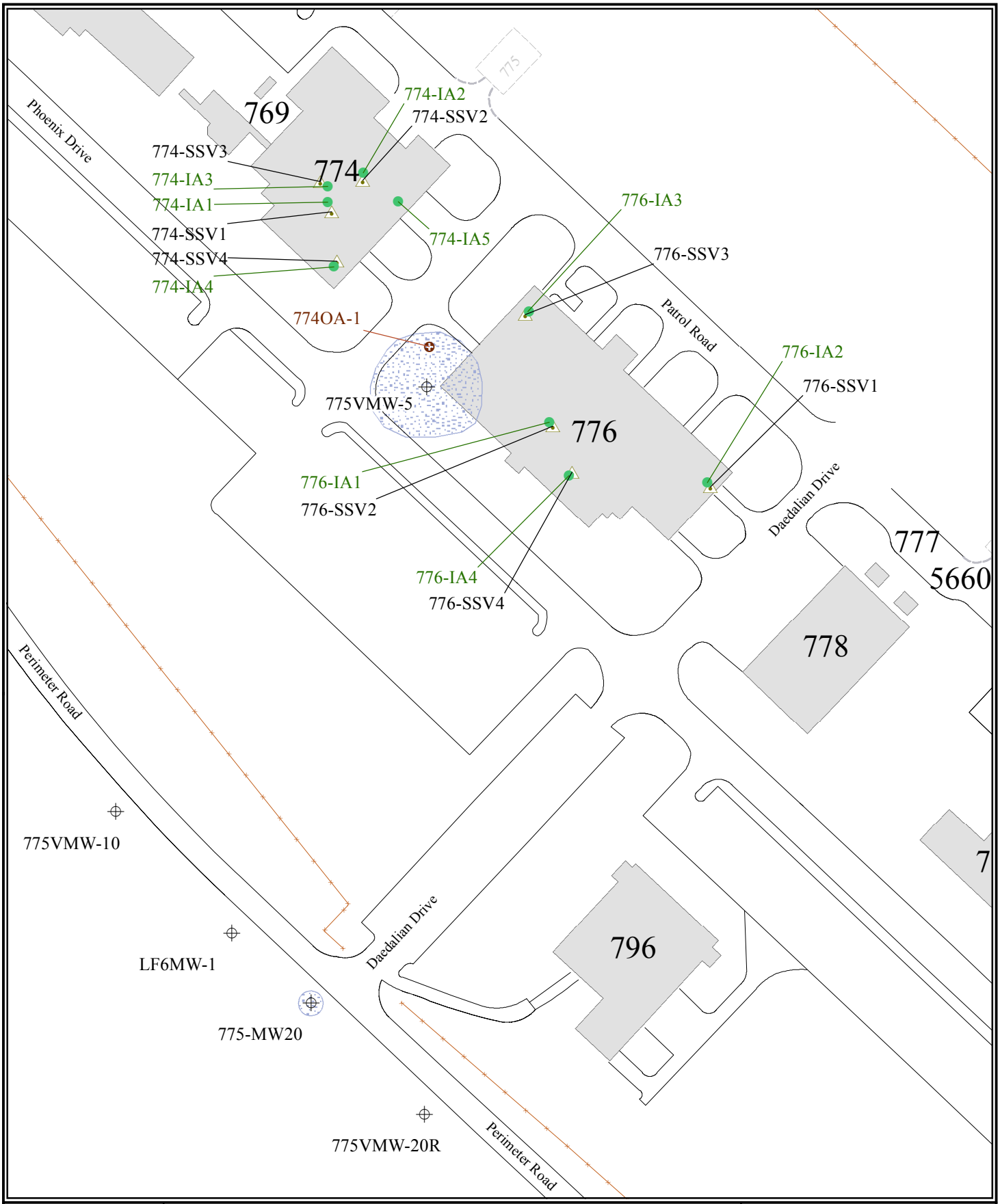
Figure 1-1
SSVM Site Locations

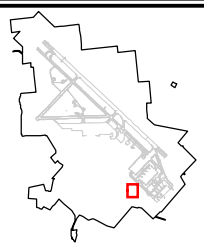
N

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

FPM Remediations, Inc

Y:\GIS_Projects\Griffiss\Projects\1015-11-01\SVI\Fig_1_1_SSVM_SiteLocs.mxd





Site Location

Key to Features

- Indoor Air Sample Location
- Outdoor Air Sample Location
- Sub-Slab Vapor
- Monitoring Well
- Existing Road
- Demolished Road
- TCE 50 µg/L October 2010
- Demolished Facility
- Existing Facility

Figure 2-1
Buildings 774 and 776
Site Features

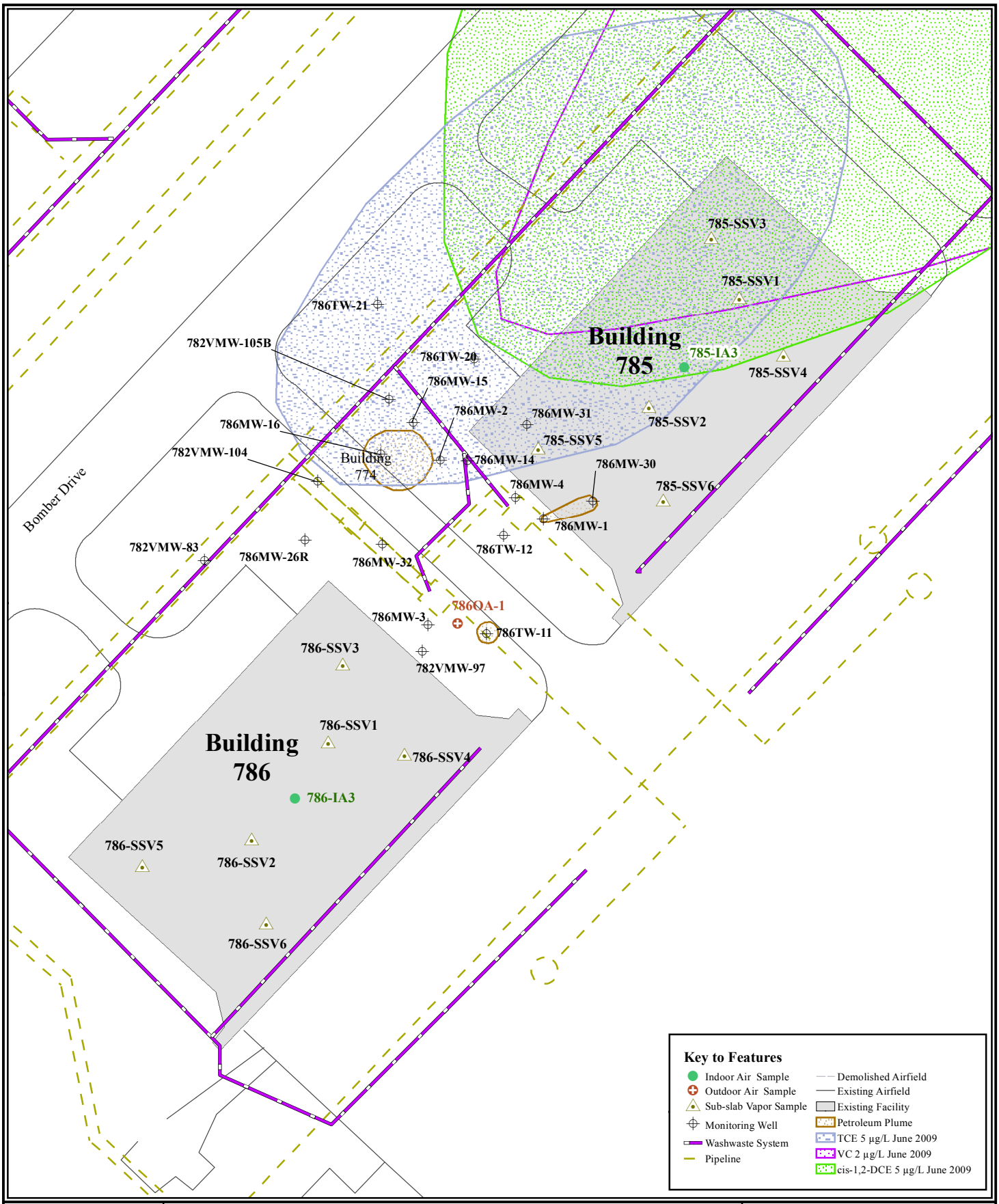
0 50 100 200
Feet

N

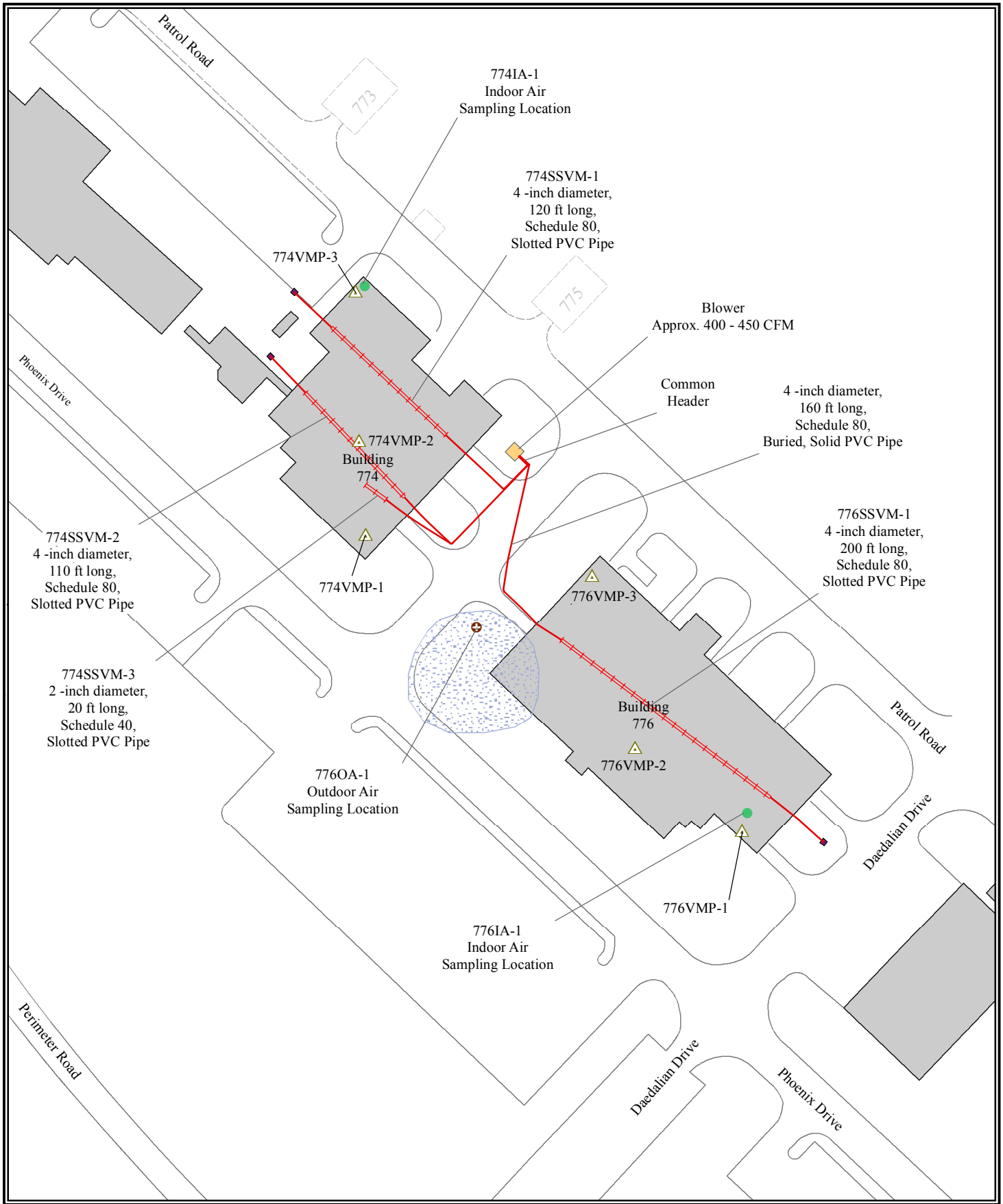
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

FPM Remediations, Inc

Y:\GIS_Projects\Griffiss\Projects\1015-11-01\SVI\Fig_2_1_774_776_Site_Features.mxd



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\SVI\Fig_2_2_785_786_Site_Features.mxd



Site Location

Key to Features

- Indoor
- Outdoor
- SubSlab Vapor
- Horizontal Well Screen
- Horizontal Well Riser
- Demolished Road
- Existing Road
- TCE 50 µg/L October 2010
- SVE System
- Entrance/Exit Pit
- Demolished Facility
- Existing Facility

Figure 3-1
Buildings 774 and 776
SSVM System

0 50 100 200
Feet

N

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

FPM Remediations, Inc

Y:\GIS_Projects\Griffiss\Projects\1015-11-01\SVI\Fig_3_1_B774_B776_SSVM.mxd

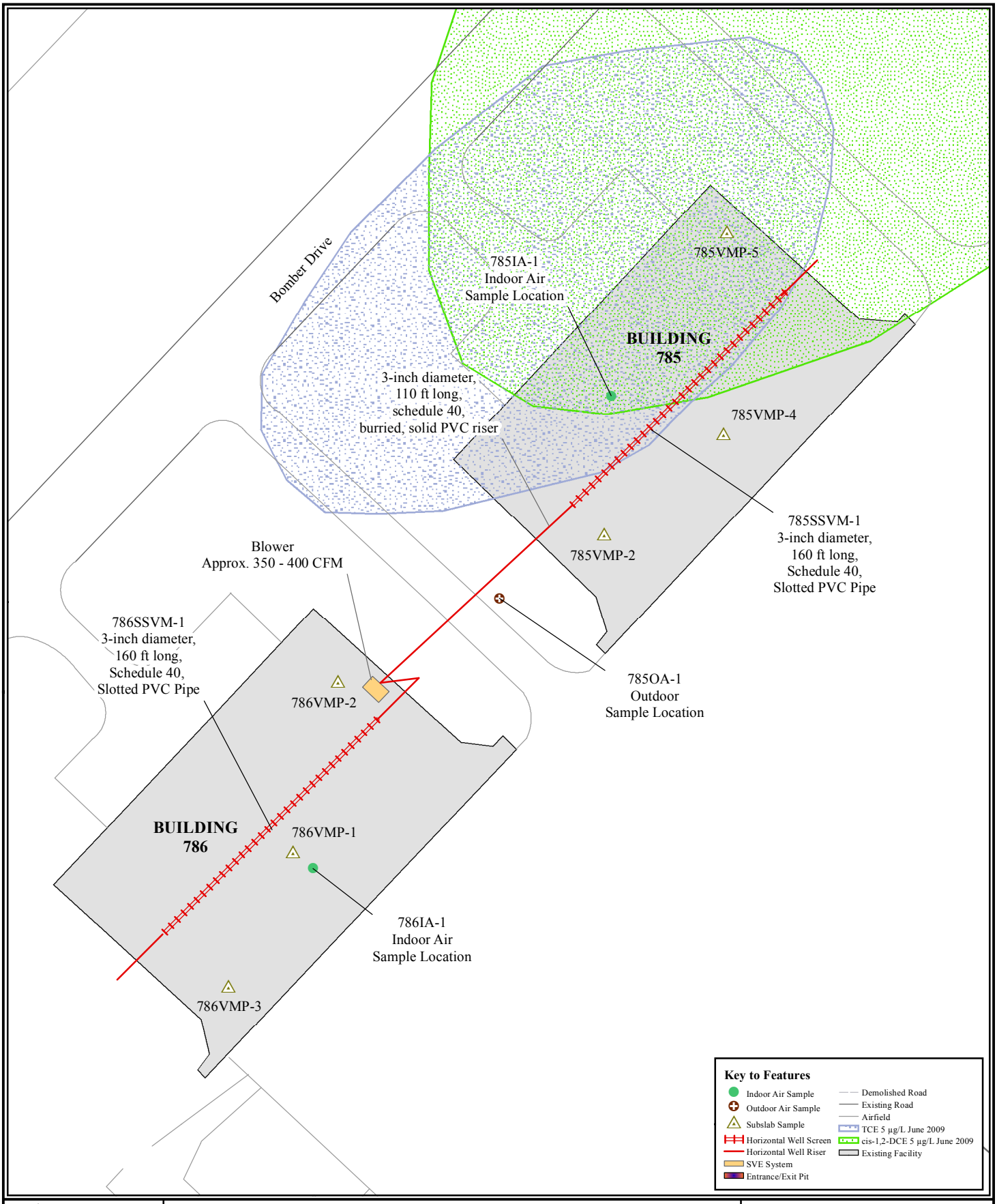

Bomber Drive
785IA-1
Indoor Air
Sample Location
785VMP-5
BUILDING
785
3-inch diameter,
110 ft long,
schedule 40,
buried, solid PVC riser
785VMP-4
785SSVM-1
3-inch diameter,
160 ft long,
Schedule 40,
Slotted PVC Pipe
785VMP-2
Blower
Approx. 350 - 400 CFM
786SSVM-1
3-inch diameter,
160 ft long,
Schedule 40,
Slotted PVC Pipe
785OA-1
Outdoor
Sample Location
786VMP-2
BUILDING
786
786VMP-1
786IA-1
Indoor Air
Sample Location
786VMP-3
Key to Features
Indoor Air Sample
Outdoor Air Sample
Subslab Sample
Horizontal Well Screen
Horizontal Well Riser
SVE System
Entrance/Exit Pit
Demolished Road
Existing Road
Airfield
TCE 5 µg/L June 2009
cis-1,2-DCE 5 µg/L June 2009
Existing Facility
Site Location
Figure 3-2
Buildings 785 and 786
SSVM System
N
0
25
50
100
150
Feet
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK
FPM Remediations, Inc
Y:\GIS_Projects\Griffiss\Projects\1015-11-01\SVI\Fig_3_2_B785_B786_SSVM.mxd

Figure 3-3- 774SSVM-1, -2 and 776SSVM-1
Long Term Operation Flow Rate
(June 2011 through September 2012)

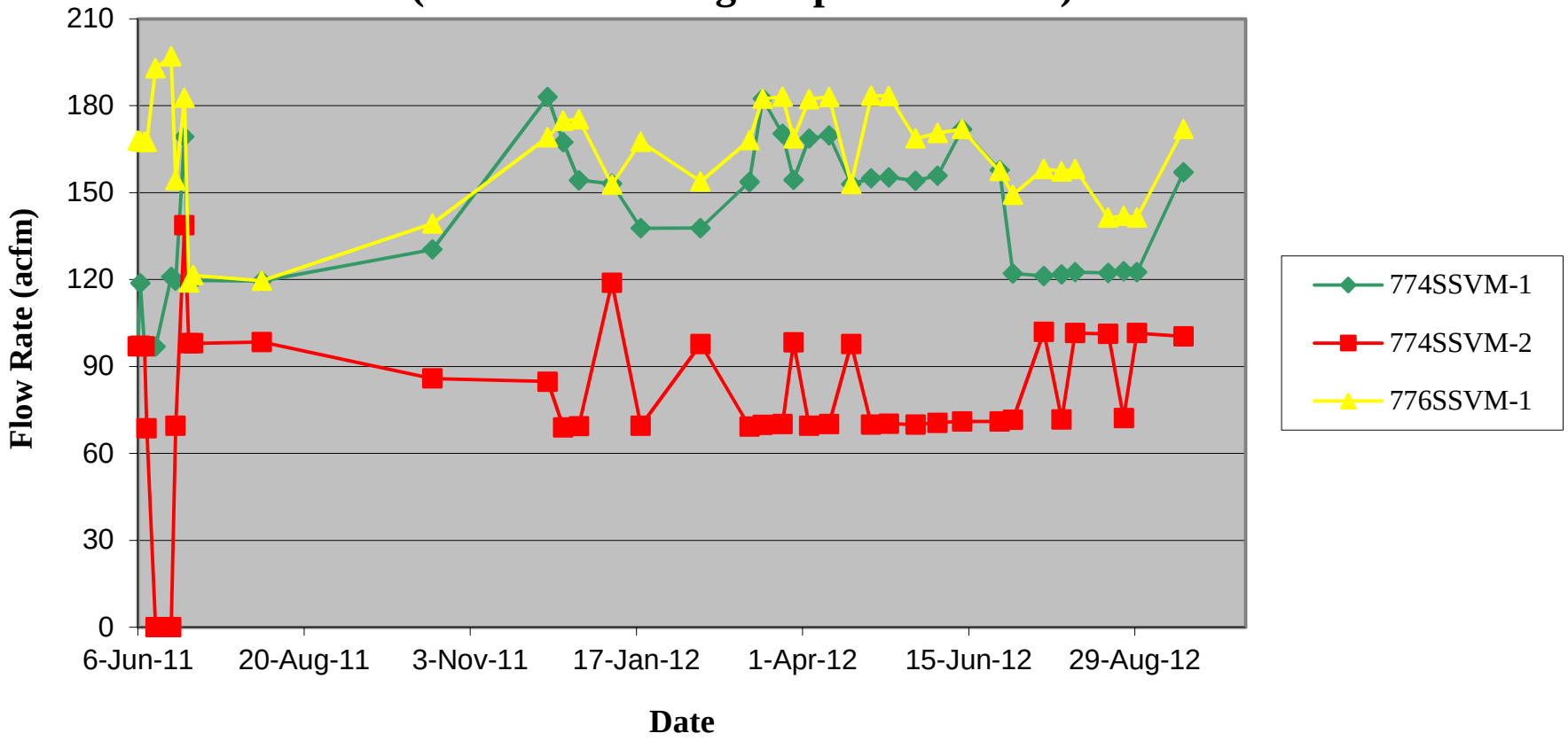


Figure 3-4 - 774SSVM-1, -2 and 776SSVM-1
Long Term Operation Vacuum
(June 2011 through September 2012)

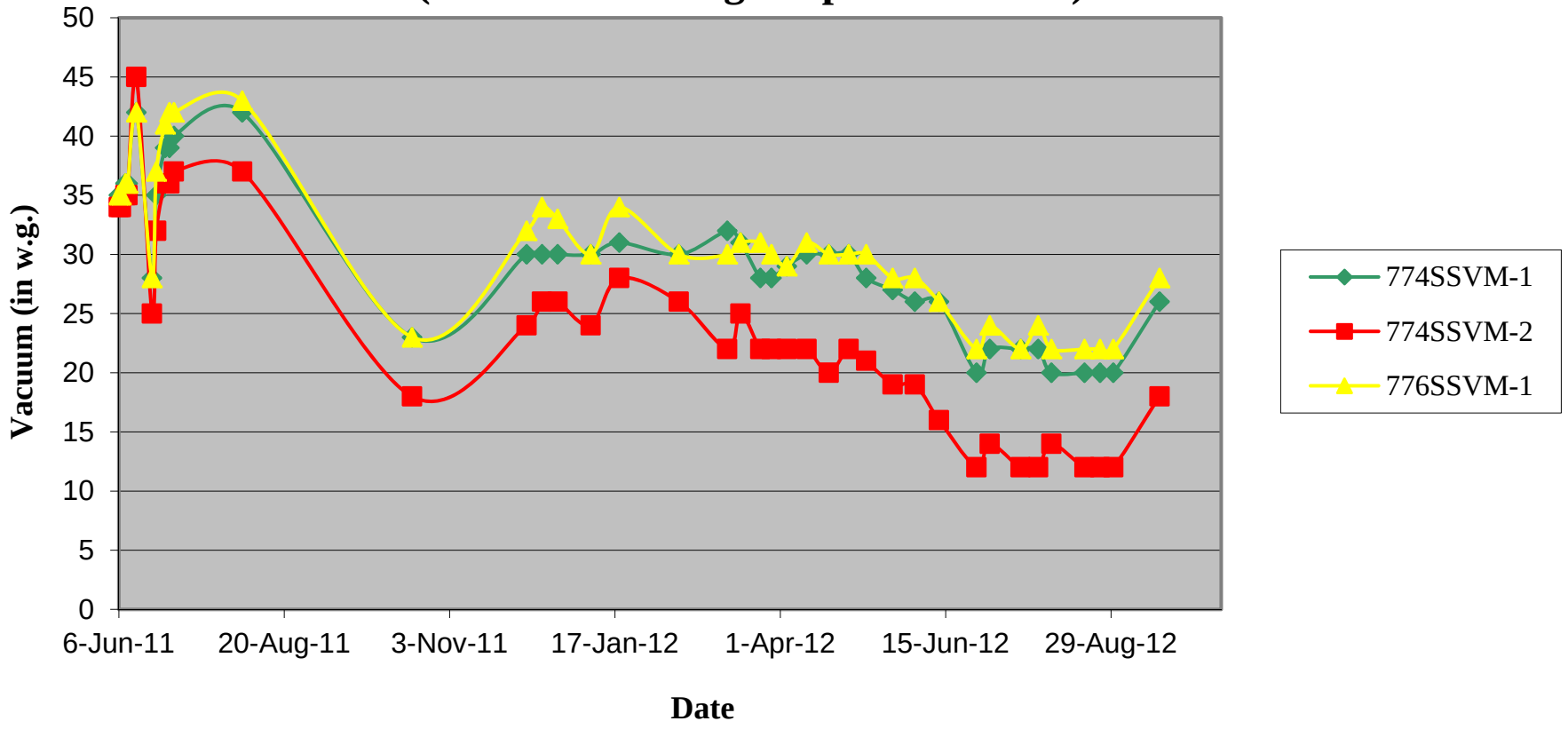


Figure 3-5 - 785SSVM-1 and 786SSVM-1
Long Term Operation Flow Rate
(May 2011 through September 2012)

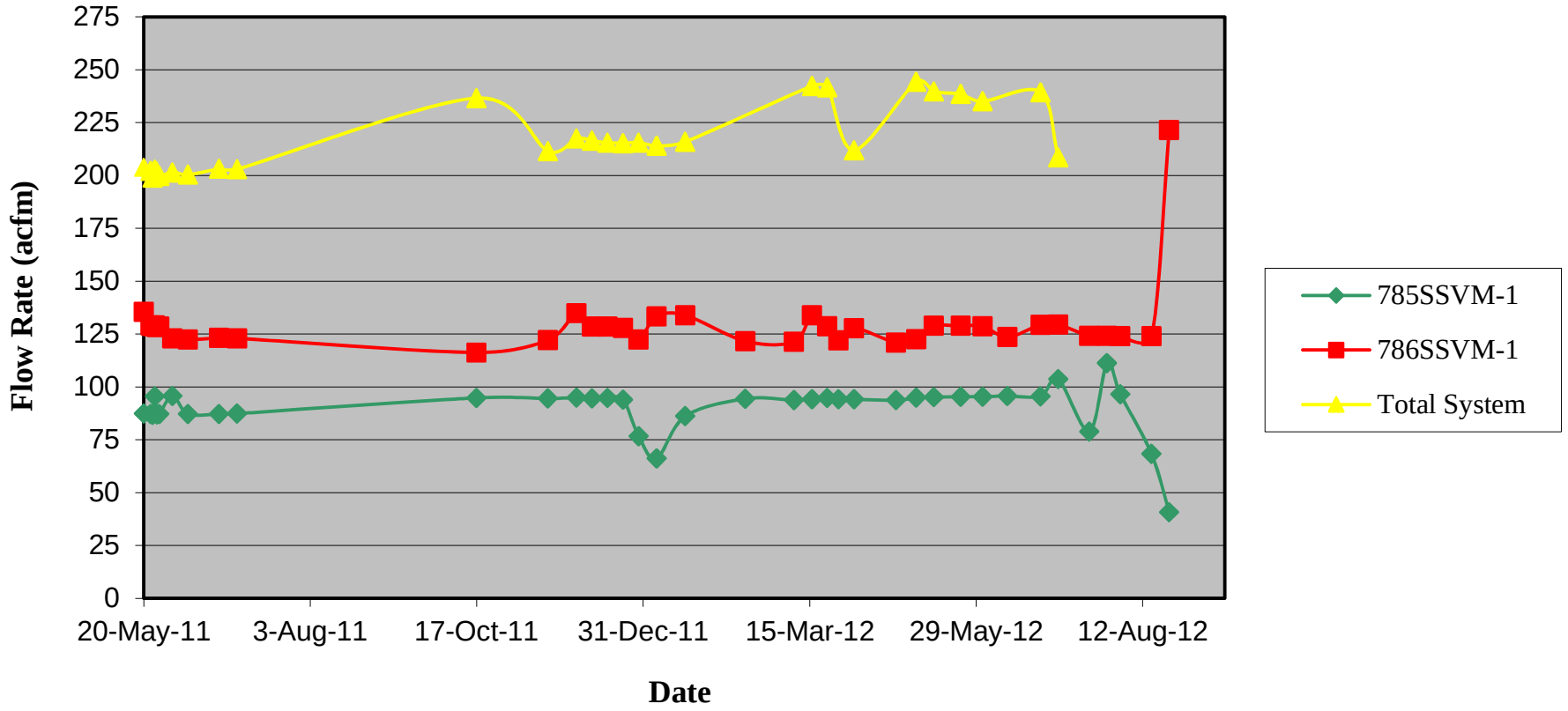


Figure 3-6 - 785SSVM-1 and 786SSVM-1
Long Term Operation Vacuum
(May 2011 through September 2012)

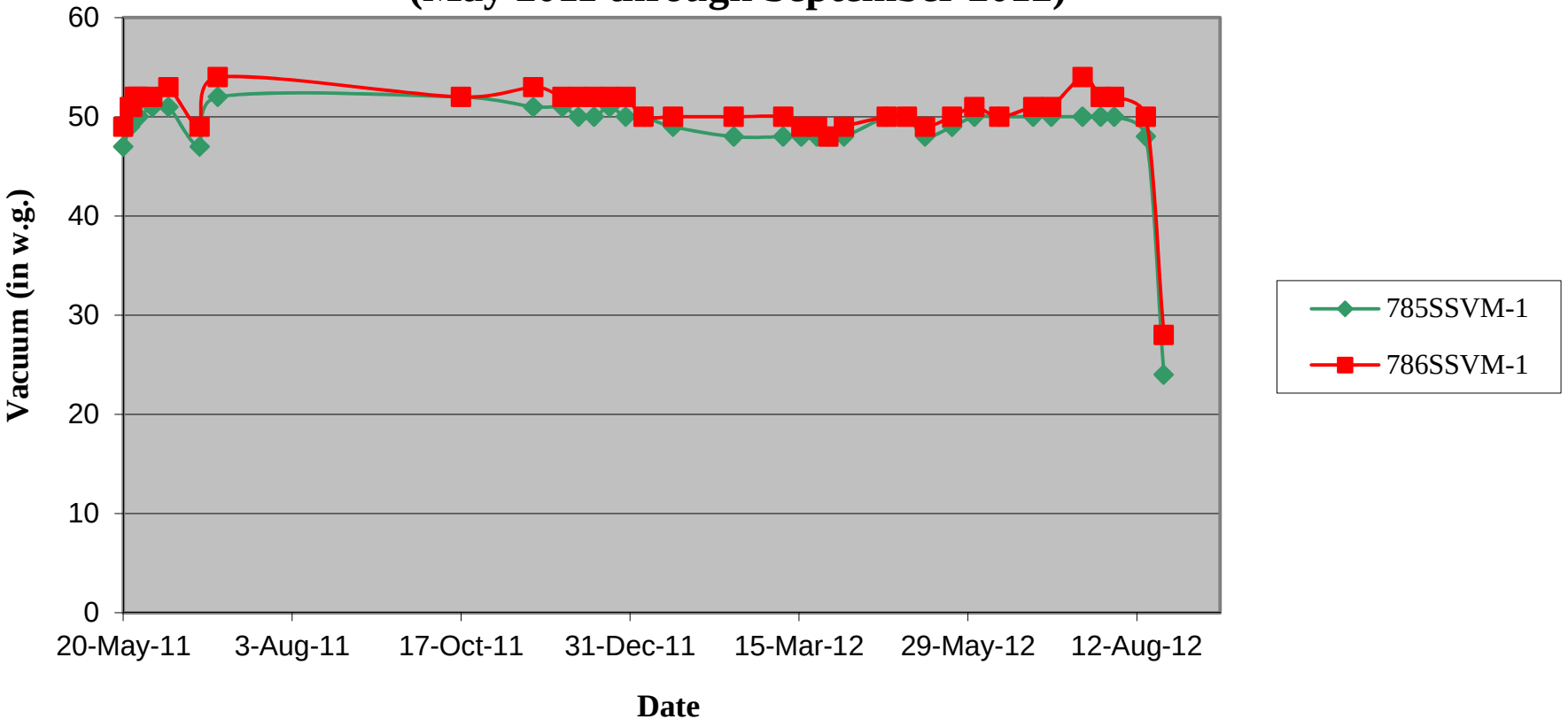
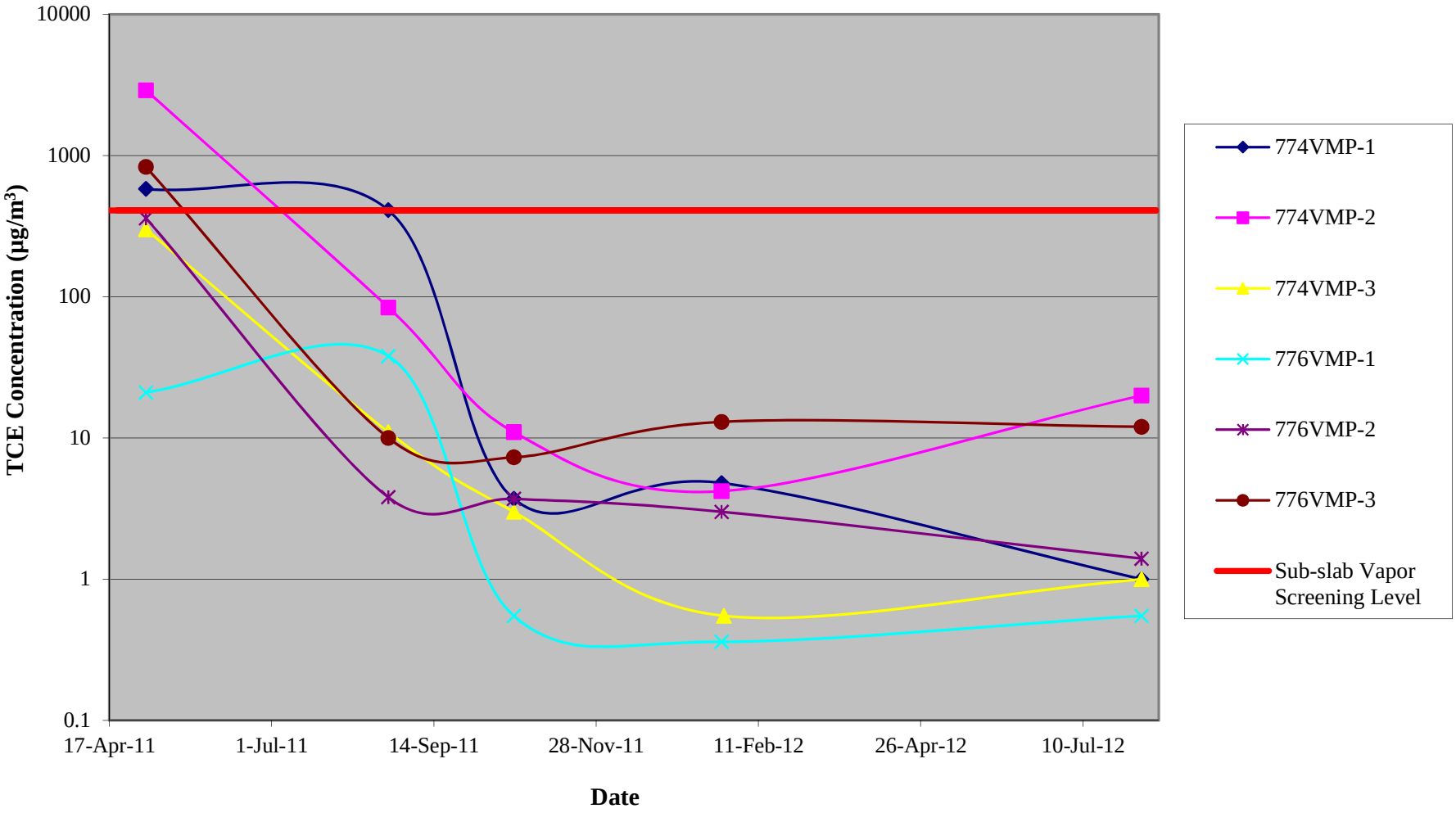


Figure 3-7
Sub-Slab TCE Trend Chart Buildings 774 and 776
(May 2011 through August 2012)



Note: Not detected results are plotted as half the reporting limit for TCE (0.55 µg/m^3).

Figure 3-8
Influent TCE Trend Chart Buildings 774 and 776
(June 2011 through August 2012)

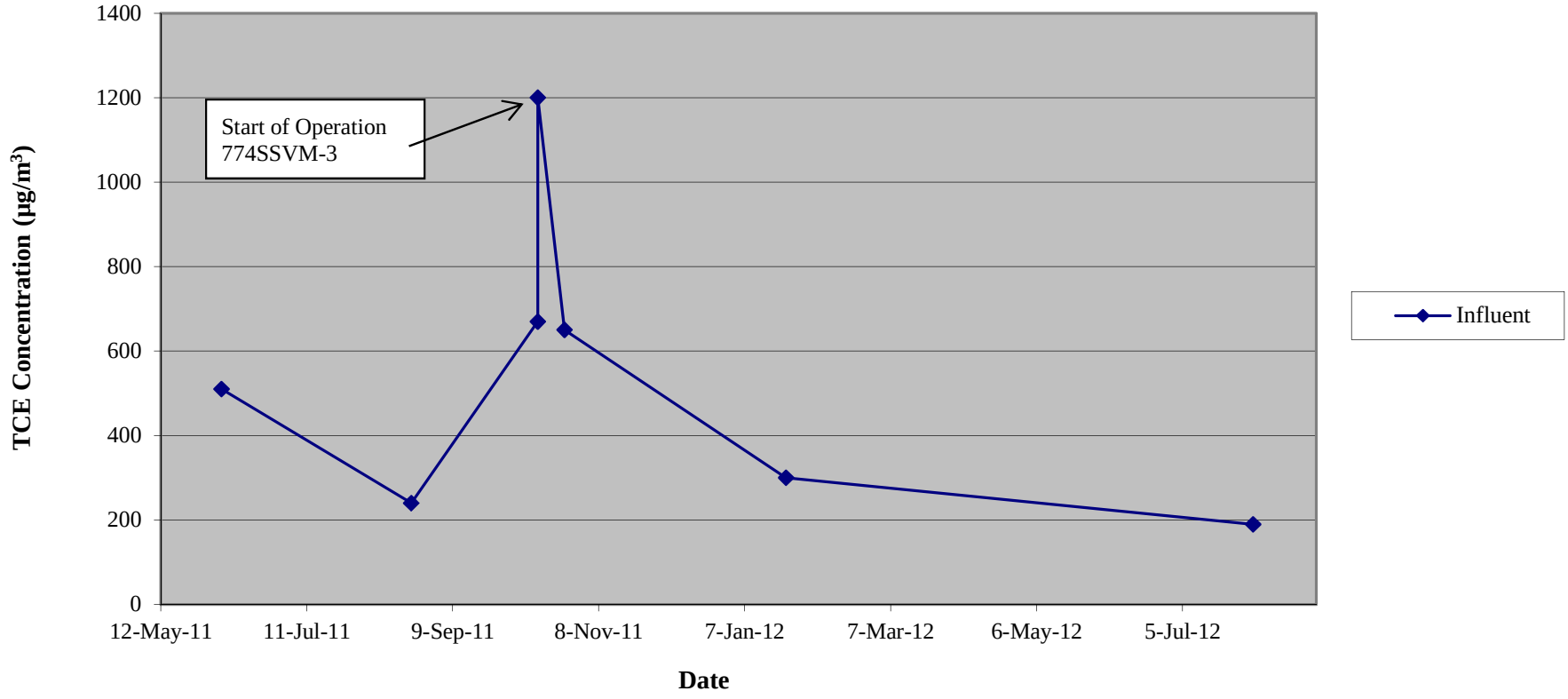
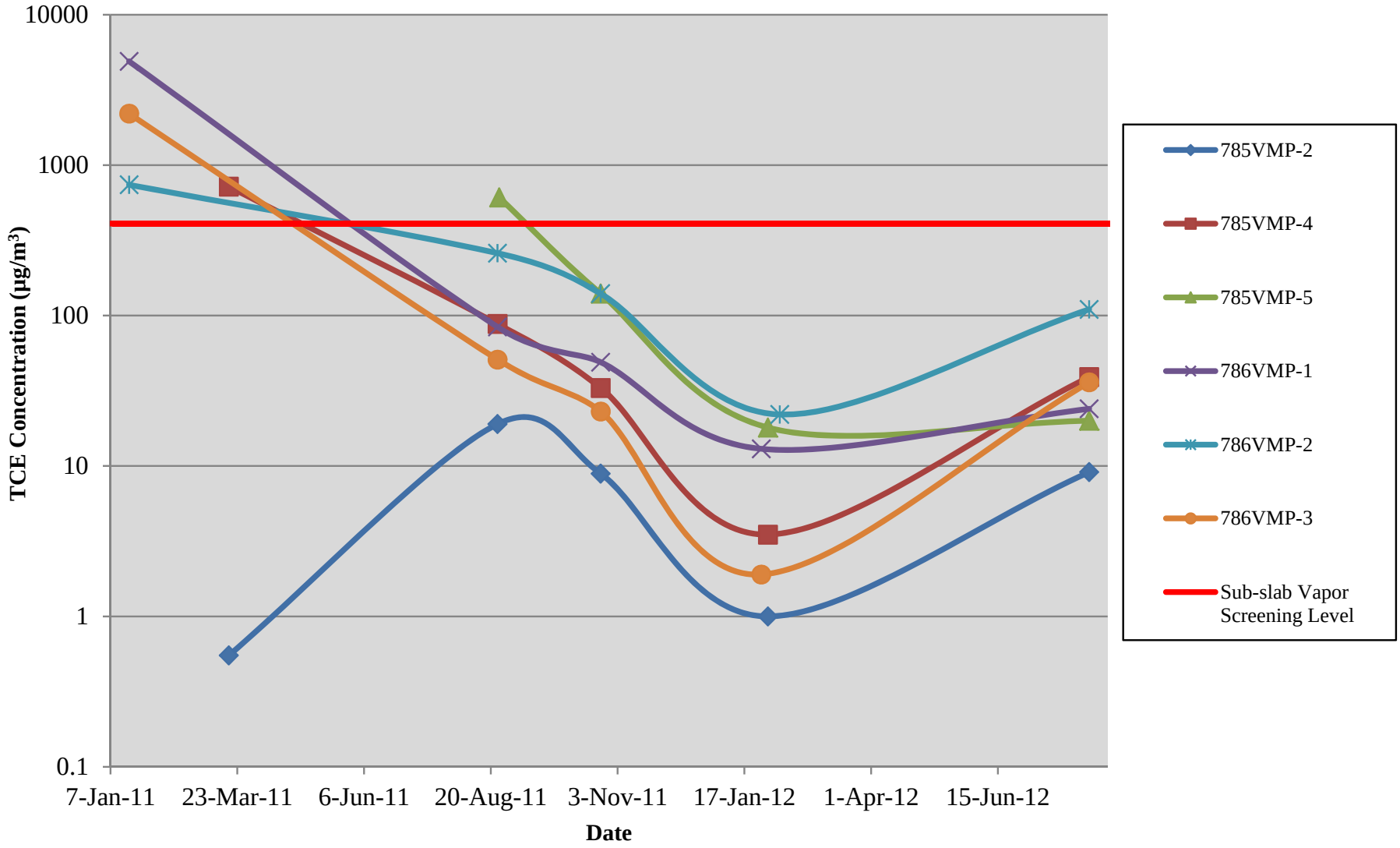
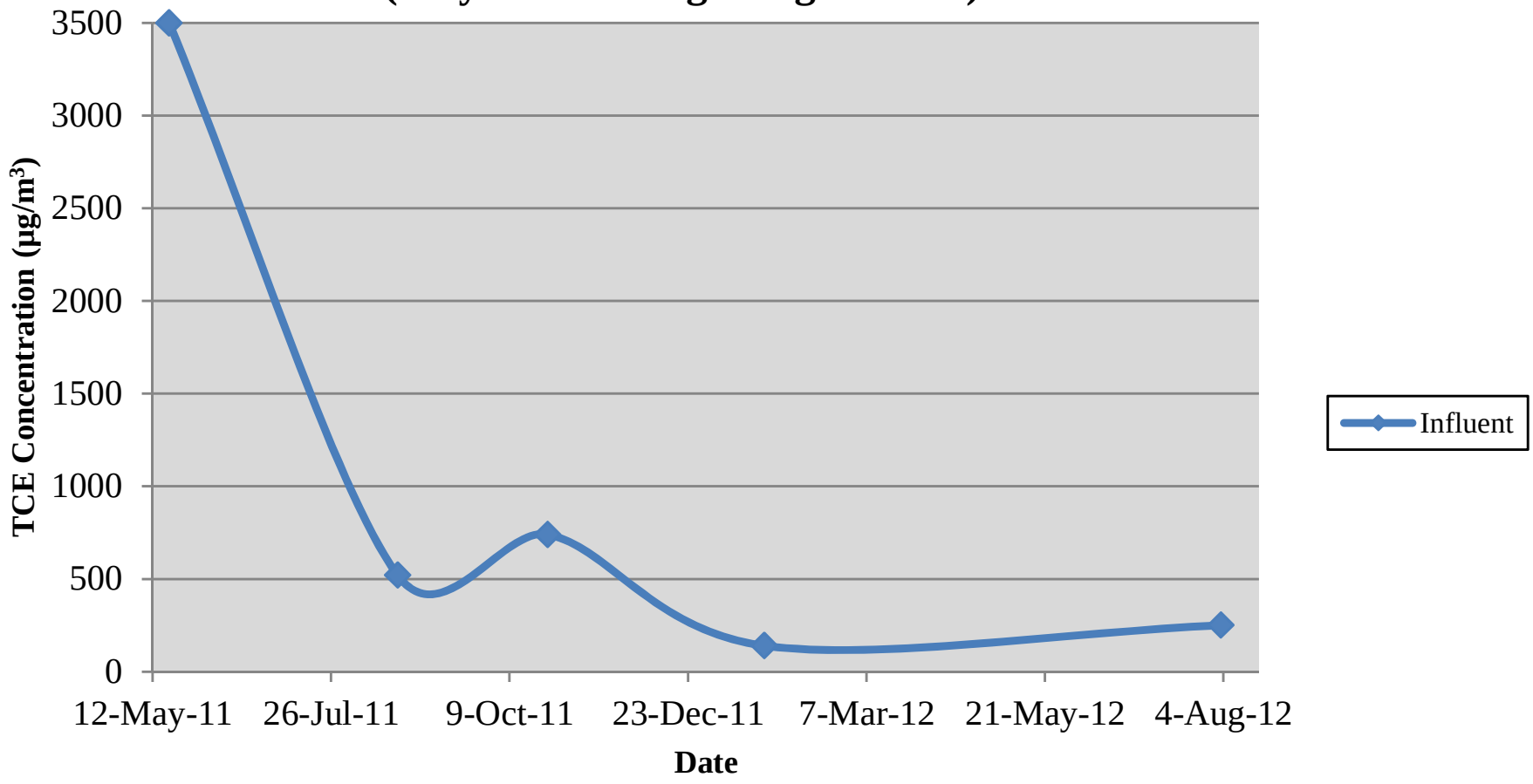


Figure 3-9
Sub-Slab TCE Trend Chart Buildings 785 and 786
(March 2011 through August 2012)



Note: Not detected results are plotted as the half reporting limit for TCE (0.55 µg/m^3).

Figure 3-10
Influent TCE Trend Chart Buildings 785 and 786
(May 2011 through August 2012)



Tables

Table 2-1 - Building 774/776 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008/May 2008

Sample Location		**774IA-1**			**774IA-2**			**774IA-3**	
Sample ID		**774-IA1**	**774IA1BB**	**774IA1CA**	**774-IA2**	**774IA2BB**	**774IA2CA**	**774IA3BB**	**774IA3CA**
Sample Type	**Indoor Air Screening**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date		**20-Dec-2006**	**15-Apr-2008**	**29-May-2008**	**20-Dec-2006**	**15-Apr-2008**	**29-May-2008**	**15-Apr-2008**	**29-May-2008**
Sample Depth (ft above ground)	**Level ($\mu g/m^3$)**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**8**	**12**	**12**	**8**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$									
cis-1,2-dichloroethene	102	U	1.57	0.685	U	U	U	U	U
trichloroethylene (TCE)	41	2.4	347	3.99	3.4	559	4.21	389	4.7
vinyl chloride	186	U	0.13	U	U	U	U	U	U

Notes:
U - Not detected.
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 774/776 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008/May 2008

Sample Location	**Indoor Air Screening Level (µg/m^3)**	**774IA-4**		**774IA-5**	**774OA-1**		
Sample ID		**774IA4BB**	**774IA4CA**	**774IA5CA**	**774-OA1**	**774OA1BB**	**774OA1CA**
Sample Type		**Indoor**	**Indoor**	**Indoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date		**15-Apr-2008**	**29-May-2008**	**29-May-2008**	**20-Dec-2006**	**15-Apr-2008**	**29-May-2008**
Sample Depth (ft above ground)		**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**12**	**12**	**12**	**8**	**8**	**8**
Volatiles (TO-15) in µg/m^3							
cis-1,2-dichloroethene	102	U	U	U	U	U	U
trichloroethylene (TCE)	41	236	2.13	6.61	U	0.492	U
vinyl chloride	186	U	U	U	U	U	U

Notes:
U - Not detected.
µg/m^3: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 774/776 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008

Sample Location	**Indoor Air Screening Level ($\mu g/m^3$)**	**776IA-1**		**776IA-2**		**776IA-3**	**776IA-4**
Sample ID		**776-IA1**	**776IA1BB**	**776-IA2**	**776IA2BB**	**776IA3BB**	**776IA4BB**
Sample Type		**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date		**20-Dec-2006**	**15-Apr-2008**	**20-Dec-2006**	**15-Apr-2008**	**15-Apr-2008**	**20-Dec-2006**
Sample Depth (ft above ground)		**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
cis-1,2-dichloroethene	102	U	U	U	U	U	U
trichloroethylene (TCE)	41	4.4	3.28	2.9	2.35	2.51	2.62
vinyl chloride	186	U	U	U	U	U	U

Notes:

U - Not detected.

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 774/776 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**774SSV-1**		**774SSV-2**		**774SSV-3**	**774SSV-4**
Sample ID		**774-SSV1**	**774SSV1BB**	**774-SSV2**	**774SSV2BB**	**774SSV3BB**	**774SSV4BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**15-Apr-2008**	**24-Oct-2006**	**15-Apr-2008**	**15-Apr-2008**	**15-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
cis-1,2-dichloroethene	1,022	U	U	U	U	0.64	0.60
trichloroethylene (TCE)	409	1,700	490	810	590	66	69
vinyl chloride	186	U	U	U	U	U	U

Notes:

U: Not detected.

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the cancer screening value.

Table 2-1 - Building 774/776 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**776SSV-1**		**776SSV-2**		**776SSV-3**	**776SSV-4**
Sample ID		**776-SSV1**	**776SSV1BB**	**776-SSV2**	**776SSV2BB**	**776SSV3BB**	**776SSV4BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**15-Apr-2008**	**24-Oct-2006**	**15-Apr-2008**	**15-Apr-2008**	**15-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
cis-1,2-dichloroethene	1,022	U	U	U	U	0.64	U
trichloroethylene (TCE)	409	3,000	6.9	700	110	120	230
vinyl chloride	186	U	U	U	U	U	U

Notes:

U: Not detected.

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the cancer screening value.

Table 2-1 - Building 785/786 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008

Sample Location	**Indoor Air Screening Level ($\mu g/m^3$)**	**785IA-1**	**785IA-2**	**785IA-3**
Sample ID		**785-IA1**	**785-IA2**	**785IA3BB**
Sample Type		**Indoor**	**Indoor**	**Indoor**
Sample Date		**20-Dec-2006**	**20-Dec-2006**	**17-Apr-2008**
Sample Depth (ft above ground)		**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$				
1,2,4-trimethylbenzene	NA	NA	NA	1.30
1,3,5-trimethylbenzene	NA	NA	NA	0.650 F
benzene	88	1.1	1.1	0.617
carbon disulfide	NA	U	U	U
carbon tetrachloride	NA	U	U	U
ethylbenzene	743	NA	NA	0.441 F
freon 11	NA	U	U	U
freon 113	NA	U	U	U
freon 12	NA	U	U	U
isopropyl alcohol	NA	U	U	U
m,p-xylene (sum of isomers)	292	NA	NA	1.28 F
methyl ethyl ketone	NA	U	U	U
methylene chloride	NA	U	U	U
Naphthalene	NA	NA	NA	1.33
o-xylene	292	NA	NA	0.485 F
tetrachloroethylene (PCE)	102	U	U	U
toluene	NA	NA	NA	2.72
trichloroethylene (TCE)	41	U	U	0.655
vinyl chloride	186	U	U	U

Notes:

U - Not detected.

F - The result was detected between the MDL and RL.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Table 2-1 - Building 785/786 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008

Sample Location	**Indoor Air Screening Level ($\mu g/m^3$)**	**786IA-1**	**786IA-2**	**786IA-3**	**786OA-1**	
Sample ID		**786-IA1**	**786-IA2**	**786IA3BB**	**786-OA1**	**786OA1BB**
Sample Type		**Indoor**	**Indoor**	**Indoor**	**Outdoor**	**Outdoor**
Sample Date		**20-Dec-2006**	**20-Dec-2006**	**18-Apr-2008**	**20-Dec-2006**	**18-Apr-2008**
Sample Depth (ft above ground)		**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**8**	**8**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$						
1,2,4-trimethylbenzene	NA	NA	U	0.749	U	0.949
1,3,5-trimethylbenzene	NA	NA	U	U	U	U
benzene	88	1.2	1.2	0.747	0.96	0.617
cis-1,2-dichloroethene	102	U	U	U	U	U
ethylbenzene	743	NA	NA	U	NA	U
m,p-xylene (sum of isomers)	292	NA	NA	0.750 J	NA	0.883 J
Naphthalene	NA	NA	NA	1.01	NA	U
o-xylene	292	NA	NA	U	NA	0.441 J
tetrachloroethylene (PCE)	102	U	0.896 F	U	U	U
toluene	NA	NA	NA	1.92	NA	1.49
trichloroethylene (TCE)	41	0.43 J	U	U	U	U
vinyl chloride	186	U	U	U	U	U

Notes:

U - Not detected.

F - The result was detected between the MDL and RL.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Table 2-1 - Building 785/786 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**785SSV-1**		**785SSV-2**		**785SSV-3**	**785SSV-4**	**785SSV-5**	**785SSV-6**
Sample ID		**B785-SSV1**	**785SSV1BB**	**B785-SSV2**	**785SSV2BB**	**785SSV3BB**	**785SSV4BB**	**785SSV5BB**	**785SSV6BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**17-Apr-2008**	**24-Oct-2006**	**17-Apr-2008**	**17-Apr-2008**	**17-Apr-2008**	**17-Apr-2008**	**17-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$									
1,1,1-trichloroethane	146,000	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	NA	1.9	NA	2.3	2.9	4.0	3.4	9.0
1,3,5-trimethylbenzene	175	U	0.70 J	U	0.90	1.1	1.6	1.6	3.5
acetone	NA	U	U	U	U	U	U	U	U
allyl chloride (3-chloropropene)	29	U	U	U	U	U	U	U	U
benzene	105	U	10	15	3.5	17	19	14	20
carbon disulfide	20,440	U	U	U	U	U	U	U	U
carbon tetrachloride	55	U	U	U	U	U	U	U	U
chloroform	36	U	U	U	U	U	U	U	U
chloromethane	818	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	1,022	75	13	U	0.69	0.48 J	14	0.52 J	56.00
cyclohexane	175,200	U	U	U	U	U	U	U	U
ethylbenzene	743	U	1.0	U	1.9	1.8	2.4	3.0	4.0
freon 11	20,440	U	U	U	U	U	U	U	U
freon 113	876,000	U	U	U	U	U	U	U	U
freon 12	5,840	U	U	U	U	U	U	U	U
m,p-xylene (sum of isomers)	2,920	U	2.7	U	4.4	6.3	8.8	10	12 J
methyl ethyl ketone	146,000	U	U	U	U	U	U	U	U
methylene chloride	1,740	U	U	U	U	U	U	U	U
Naphthalene	NA	NA	1.2	NA	1.9	1.2	1.4	1.8	1.6
o-xylene	2,920	U	1.1	U	1.6	1.9	2.8	4.9	3.3
tetrachloroethylene (PCE)	139	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	U	U	U	U	U	U	U	U
toluene	146,000	60	5.5	13	5.1	12	18	64	28
trans-1,2-dichloroethene	NA	U	U		U	U	U	U	U
trichloroethylene (TCE)	409	11,000	110	2,300	430	220	11	180	2200
vinyl chloride	186	U	U	U	U	U	U	U	U

Notes:

U - Not detected.

F- The result was detected between the MDL and RL.

J- The analyte was positvely identified, but the quantitation is an approximation.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 785/786 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**786SSV-1**		**786SSV-2**		**786SSV-3**	**786SSV-4**	**786SSV-5**	**786SSV-6**
Sample ID		**B786-SSV1**	**786SSV1BB**	**B786-SSV2**	**786SSV2BB**	**786SSV3BB**	**786SSV4BB**	**786SSV5BB**	**786SSV6BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**18-Apr-2008**	**24-Oct-2006**	**18-Apr-2008**	**18-Apr-2008**	**18-Apr-2008**	**18-Apr-2008**	**18-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$									
1,2,4-trimethylbenzene	175	NA	3.9	NA	4.8	4.5	4.2	170	4.8
benzene	105	U	29	24 J	21	21	35	36	16
cis-1,2-dichloroethene	1,022	480	230	U	12	1.2	U	3.1	5.4
ethylbenzene	743	U	2.3	U	3.1	2.3	2.9	29	2.3
m,p-xylene (sum of isomers)	2,920	U	9.0	U	8.4	8.9	8.4	91	9.2
Naphthalene	NA	NA	1.3	NA	2.1	2.6	1.2	27	1.5
o-xylene	2,920	U	3.0	U	3.9	2.8	3.8	57	3.0
tetrachloroethylene (PCE)	139	2200	70	U	0.97	U	U	57	23
toluene	146,000	U	21	U	14	12	20	75	15
trichloroethylene (TCE)	409	81,000	19,000	4,700 J	1,500	69	320	3,600	6,500
vinyl chloride	186	U	U	U	U	U	U	U	U

Notes:

U - Not detected.

F- The result was detected between the MDL and RL.

J- The analyte was positvely identified, but the quantitation is an approximation.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the indoor or outdoor initial benchmark.

Table 3-1
SSVM Systems Operation and Maintenance

Field Activities	Rationale	Location	Parameters
System Component Readings	Weekly recording of system temperature, flow, vacuum and motor status to determine proper operation.	Building 774 / 776 Blower Shed and Building 785 / 786 Blower Shed	None
VMP Vacuum Measurements	Semi-annually recording to support sub-slab depressurization.	VMPs inside buildings as shown on Figure 3-1 and 3-2	None
Granular Activated Carbon Replacement	Every two months to adsorb extracted chlorinated solvent vapors.	Building 774 / 776 Blower Shed and Building 785 / 786 Blower Shed	None
Indoor Air Sampling	Semi-Annually to evaluate current human exposure and to obtain site specific attenuation factors for risk assessment (ratio of indoor air to sub-slab vapor concentrations).	One sample per building as shown on Figure 3-1 and 3-2	VOC: Method TO-15 Full List
Outdoor Air Sampling	Semi-Annually to occur simultaneously with indoor air sampling to evaluate potential influence of outdoor air on indoor air sampled.	One sample per site as shown on Figure 3-1 and 3-2	VOC: Method TO-15 Full List
Sub-Slab Vapor Sampling	Semi-Annually to occur simultaneously with indoor air sampling to evaluate chlorinated solvent transport and mitigation and to obtain site specific attenuation factors for risk assessment (ratio of indoor air to sub-slab vapor concentrations).	VMPs inside buildings as shown on Figure 3-1 and 3-2	VOC: Method TO-15 Full List
Influent Sampling	Semi-Annually prior to sub-slab sampling to determine soil vapor extraction.	SSVM System's exhaust stack before carbon treatment	VOC: Method TO-15 Full List

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774VMP-1				
Sample ID			**774VMP0101AA**	**774VMP0101AB**	**774VMP0101AC**	**774VMP0101AD**	**774VMP0101AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	59	8.3	U	U	U
1,1-dichloroethane	NA	NA	0.53 F	U	U	U	U
1,2,4-trimethylbenzene	175	18	6.7	3.2	U	12	1.8
1,3,5-trimethylbenzene	175	18	2.5	0.9	U	3.2 F	0.47 F
1,3-dichlorobenzene	3,212	321	U	U	U	1.4 F	0.40 F
2,2,4-trimethylpentane	NA	NA	U	1.9	U	2.6 F	2.2
4-ethyltoluene	NA	NA	4.6	1.2	U	3.2 F	0.56 F
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.28 F
acetone	NA	NA	54	31	18	64	30 B
benzene	105	88	1.6	4.3	U	U	0.44 F
carbon disulfide	20,440	2,044	U	0.66	U	U	U
carbon tetrachloride	55	55	1	0.70 F	U	U	0.50 F
chlorobenzene	NA	NA	U	0.51 F	U	U	U
chloroform	36	36	18	9.1	U	U	0.38 F
chloromethane	818	263	3.5	U	U	U	1.1
cis-1,2-dichloroethene	1,022	102	0.89	0.77	U	U	U
cumene	NA	NA	NA	NA	NA	1.1 F	U
cyclohexane	175,200	17,520	4.8	7.8	2.4	U	2.3
ethyl acetate	93,440	9,344	U	U	0.77 F	U	U
ethylbenzene	743	743	1.4	2.8	U	4.1 F	0.95
freon 11 (trichlorofluoromethane)	20,440	2,044	31	19	2.0	1.9 F	2.3
freon 113 (freon TF)	876,000	87,600	U	0.78 F	U	U	0.63 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.1	2.8	2.5	2.4 F	2.8
freon 22	NA	NA	NA	NA	NA	300	83
heptane	NA	NA	U	3.7	U	U	0.68 F
hexane	20,440	2,044	U	7.9	U	5.1	1.2
isopropyl alcohol	NA	NA	U	U	2.8	17 F	22
m,p-xylene (sum of isomers)	2,920	292	5.3	9	U	12 D	3.1
methyl butyl ketone	NA	NA	U	U	U	U	0.43 F
methyl ethyl ketone	146,000	14,600	1.7	4.9	1.7	1.9 F	3.2 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.1 F
methylene chloride	1,740	1,740	U	0.99	0.46 F	U	0.72 F
Naphthalene	NA	NA	U	U	U	U	0.60 F
n-Butane	NA	NA	NA	NA	NA	U	1.4
n-Propylbenzene	NA	NA	NA	NA	NA	2.2 F	0.36 F
o-xylene	2,920	292	2.4	2.4	U	7.9 D	1.2
styrene	29,200	2,920	U	U	U	U	0.48 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U
tetrachloroethylene (pce)	139	102	0.97 F	1	U	U	U
tetrahydrofuran	NA	NA	3.1	U	U	U	2.2 F
toluene	146,000	14,600	1.6	17	2.1	5.2	4.2
trichloroethylene (tce)	409	41	580	410	3.7	4.8 F	1.0 F
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774VMP-2				
Sample ID			**774VMP0201AA**	**774VMP0201AB**	**774VMP0201AC**	**774VMP0201AD**	**774VMP0201AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	85	2.4	U	U	2.6
1,1-dichloroethane	NA	NA	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	12	4	0.65 F	6.0 F	1.7
1,3,5-trimethylbenzene	175	18	3.9	2	U	U	0.43 F
1,3-dichlorobenzene	3,212	321	U	U	U	U	0.37 F
2,2,4-trimethylpentane	NA	NA	U	2.2	U	2.1 F	U
4-ethyltoluene	NA	NA	8.5	1.5	U	U	0.52 F
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.34 F
acetone	NA	NA	53	U	11	110 F	43
benzene	105	88	6	4.4	U	U	0.53 F
carbon disulfide	20,440	2,044	0.95	0.6	U	U	1.2 F
carbon tetrachloride	55	55	1.4	0.70 F	U	U	0.59 F
chlorobenzene	NA	NA	U	0.56 F	U	U	U
chloroform	36	36	45	1.8	0.69 F	U	0.69 F
chloromethane	818	263	U	U	U	U	0.77 F
cis-1,2-dichloroethene	1,022	102	0.73	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	5.9	10	3.5	U	1.8
ethyl acetate	93,440	9,344	U	0.62 F	U	U	U
ethylbenzene	743	743	1.6	3.2	U	1.9 F	0.94
freon 11 (trichlorofluoromethane)	20,440	2,044	400	22	2.2	U	3.8
freon 113 (freon TF)	876,000	87,600	0.86 F	0.78 F	U	U	0.61 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	2.8	2.1	3.1 F	2.5
freon 22	NA	NA	NA	NA	NA	750	130
heptane	NA	NA	U	4.2	6.2	U	0.88
hexane	20,440	2,044	U	8.2	U	U	0.77
isopropyl alcohol	NA	NA	4.4	15	2.4	20 F	30
m,p-xylene (sum of isomers)	2,920	292	5.1	12	0.53 F	5.5 F	3.1
methyl butyl ketone	NA	NA	U	U	U	U	U
methyl ethyl ketone	146,000	14,600	4.3	3	U	U	3.4 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.3 F
methylene chloride	1,740	1,740	U	U	U	U	0.59 F
Naphthalene	NA	NA	U	U	U	U	1.9 F
n-Butane	NA	NA	NA	NA	NA	U	1.2 F
n-Propylbenzene	NA	NA	NA	NA	NA	U	0.31 F
o-xylene	2,920	292	2.2	2.8	U	3.6 F	1.1
styrene	29,200	2,920	U	U	U	U	0.44 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U
tetrachloroethylene (pce)	139	102	2.8	U	U	U	U
tetrahydrofuran	NA	NA	6.7	U	U	U	1.4 F
toluene	146,000	14,600	3.2	17	1.4	4.8 F	3.9
trichloroethylene (tce)	409	41	2,900	84	11	4.2 F	20
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774VMP-3				
Sample ID			**774VMP0301AA**	**774VMP0301AB**	**774VMP0301AC**	**774VMW0301AD**	**774VMP0301AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**26-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	12	0.67 F	U	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	6.3	4.1	0.95	U	0.35 F
1,3,5-trimethylbenzene	175	18	2.2	1.8	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	2.3	U	U	U
4-ethyltoluene	NA	NA	4.2	1.6	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.27 F
acetone	NA	NA	17	19	12	30 F	25 B
benzene	105	88	2.5	3.8	0.39 F	U	0.38 F
carbon disulfide	20,440	2,044	0.95	1.4	U	U	0.32 F
carbon tetrachloride	55	55	0.45	U	U	U	U
chlorobenzene	NA	NA	U	0.84	U	U	U
chloroform	36	36	9.1	U	U	U	0.22 F
chloromethane	818	263	U	U	U	U	0.43 F
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	6.2	11	4.8	U	0.83
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	1.5	3.6	U	U	0.45 F
freon 11 (trichlorofluoromethane)	20,440	2,044	630	120	9.5	21	15
freon 113 (freon TF)	876,000	87,600	0.86 F	0.78 F	U	U	0.51 F
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.6	2.4	3.5 F	2.4 F
freon 22	NA	NA	NA	NA	NA	880	26
heptane	NA	NA	U	3.5	U	U	0.72 F
hexane	20,440	2,044	U	7.5	U	U	1.6
isopropyl alcohol	NA	NA	U	U	U	25 F	4.2 F
m,p-xylene (sum of isomers)	2,920	292	4.5	12	1.2 F	U	1.2 F
methyl butyl ketone	NA	NA	U	U	U	U	0.81 F
methyl ethyl ketone	146,000	14,600	U	U	U	7.6 F	3.8 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	0.37 F
methylene chloride	1,740	1,740	U	U	U	U	2.1
Naphthalene	NA	NA	U	U	U	U	0.68 F
n-Butane	NA	NA	NA	NA	NA	U	2.7
n-Propylbenzene	NA	NA	NA	NA	NA	U	U
o-xylene	2,920	292	2.2	3.2	U	U	0.38 F
styrene	29,200	2,920	U	1.4	U	U	0.31 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.3 F
tetrachloroethylene (pce)	139	102	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	12 F	1.3 F
toluene	146,000	14,600	2.3	16	2.2	1.3 F	4.0
trichloroethylene (tce)	409	41	300	11	3.0	U	1.0 F
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774-IA				
Sample ID			**774IA1AD**	**774IA1AE**	**774IA1AF**	**774IA1AG**	**774IA1AH**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**5-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-12**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	2.7	1.6	0.65 F	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	U
4-ethyltoluene	NA	NA	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	U
acetone	NA	NA	52	34	19	28 F	32 B
benzene	105	88	1.3	U	U	U	U
carbon disulfide	20,440	2,044	0.66	U	U	U	U
carbon tetrachloride	55	55	0.51	0.90 F	U	U	0.45 F
chlorobenzene	NA	NA	0.7	U	U	U	U
chloroform	36	36	0.55 F	U	U	U	0.28 F
chloromethane	818	263	U	1.2	U	1.7 F	1.2
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	1.3	U	U	U	U
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	0.84	0.57 F	U	U	U
freon 11 (trichlorofluoromethane)	20,440	2,044	33	77	4.2	8.9	5.0
freon 113 (freon TF)	876,000	87,600	U	0.86 F	U	U	0.56 F
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.8	2.4	U	2.4 F
freon 22	NA	NA	NA	NA	NA	350	40
heptane	NA	NA	1.7	U	U	U	U
hexane	20,440	2,044	33	U	U	U	U
isopropyl alcohol	NA	NA	11	32	9.9	29 F	8.3 F
m,p-xylene (sum of isomers)	2,920	292	2.4	1.2 F	0.57 F	U	U
methyl butyl ketone	NA	NA	U	U	U	U	0.62 F
methyl ethyl ketone	146,000	14,600	U	2.8	U	2.5 F	2.2 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	0.37 F
methylene chloride	1,740	1,740	U	1.1	U	U	0.45 F
Naphthalene	NA	NA	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	0.32 F
n-Propylbenzene	NA	NA	NA	NA	NA	U	U
o-xylene	2,920	292	0.71	0.49 F	U	U	U
styrene	29,200	2,920	0.78	0.56 F	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U
tetrachloroethylene (pce)	139	102	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	U
toluene	146,000	14,600	5.1	2.5	1.3	0.76 F	0.47 F
trichloroethylene (tce)	409	41	4.4	2.3	0.87	1.5 F	0.35 F
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m^3)	Indoor Air Screening Level (µg/m^3)	776VMP-1				
Sample ID			**776VMP0101AA**	**776VMP0101AB**	**776VMP0101AC**	**776VMP0101AD**	**776VMP0101AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in µg/m^3							
1,1,1-trichloroethane	146,000	14,600	4.5	U	U	U	U
1,2,4-trimethylbenzene	175	18	9.0	3.5	U	U	0.46 F
1,2-dichloroethane	31	31	U	0.45 F	U	U	0.32 F
1,3,5-trimethylbenzene	175	18	3.8	1.6	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	0.47 F	U	U
4-ethyltoluene	NA	NA	7.2	0.9	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.33 F
acetone	NA	NA	25	39	39	23	57
benzene	105	88	1.0	0.55	1.3	0.52 F	0.43 F
carbon disulfide	20,440	2,044	1.2	0.57	0.44 F	U	9.5
carbon tetrachloride	55	55	0.77	0.77 F	U	0.53 F	0.83 F
chlorobenzene	NA	NA	U	U	U	U	U
chloroform	36	36	11	0.79	U	0.27 F	U
chloromethane	818	263	U	1.1	U	0.67 F	1.3
cis-1,2-dichloroethene	1,022	102	U	9.70	U	U	U
cyclohexane	175,200	17,520	6.8	1.6	3.0	1.2	2.9
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	1.6	0.79	1.6	U	0.92
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	2.5	1.3	1.4	1.3
freon 113 (freon TF)	876,000	87,600	8.6	0.86 F	U	0.70 F	0.65 F
freon 12 (dichlorodifluoromethane)	5,840	584	6.6	2.9	2.2	2.9	2.5
freon 22	NA	NA	NA	NA	NA	12	13
heptane	NA	NA	U	U	1.0	U	0.38 F
hexane	20,440	2,044	U	U	1.9	0.38 F	U
isopropyl alcohol	NA	NA	U	21	21	49	46
m,p-xylene (sum of isomers)	2,920	292	5.4	1.9	4.0	0.23 F	1.8 F
methyl butyl ketone	NA	NA	U	U	U	U	1.4 F
methyl ethyl ketone	146,000	14,600	2.9	2.7	1.9	5.9	4.3
methyl isobutyl ketone	87,600	8,760	2.2	U	U	U	3.1
methylene chloride	1,740	1,740	U	13	0.46 F	0.49 F	0.52 F
naphthalene	NA	NA	U	U	U	U	3.2 F
n-Butane	NA	NA	NA	NA	NA	2.4	2.8
o-xylene	2,920	292	2.5	0.97	1.1	U	0.65 F
styrene	29,200	2,920	1.1	1.1	0.56 F	U	1.0
tert-Butyl alcohol	NA	NA	NA	NA	NA	1.3 F	2.0 F
tetrachloroethylene (pce)	139	102	U	2.7	U	U	U
tetrahydrofuran	NA	NA	4.8	1.1	U	9.9 F	0.72 F
toluene	146,000	14,600	5.6	4.1	6.1	0.40 F	1.5
trichloroethylene (tce)	409	41	21	38	U	0.36 F	U
vinyl chloride	186	186	U	0.81	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
µg/m^3: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-2				
Sample ID			**776VMP0201AA**	**776VMP0201AB**	**776VMP0201AC**	**776VMP0201AD**	**776VMP0201AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	8.7	U	U	U	U
1,2,4-trimethylbenzene	175	18	9.1	3.3	0.65 F	U	0.45 F
1,2-dichloroethane	31	31	U	0.49 F	U	U	U
1,3,5-trimethylbenzene	175	18	2.8	1.2	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	0.24 F	0.56 F
4-ethyltoluene	NA	NA	5.1	1.0	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	0.49 F	0.41 F
acetone	NA	NA	17	39	45	20	43
benzene	105	88	1.1	0.45 F	1.5	0.65	0.43 F
carbon disulfide	20,440	2,044	0.98	0.79	0.38 F	0.64 F	0.41 F
carbon tetrachloride	55	55	0.77	0.77 F	0.70 F	0.53 F	0.70 F
chlorobenzene	NA	NA	U	U	U	0.13 F	U
chloroform	36	36	8.3	U	U	0.30 F	0.22 F
chloromethane	818	263	U	1.2	U	0.85 F	1.4
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U
cyclohexane	175,200	17,520	4.5	7.3	8.5	1.4	2.1
ethyl acetate	93,440	9,344	U	1.9	U	U	U
ethylbenzene	743	743	0.66	0.88	1.4	0.75 F	1.1
freon 11 (trichlorofluoromethane)	20,440	2,044	2.5	1.8	1.6	1.6	1.4
freon 113 (freon TF)	876,000	87,600	6.8	1.0 F	U	1.2 F	0.67 F
freon 12 (dichlorodifluoromethane)	5,840	584	11.0	3.0	2.6	3.1	2.5
freon 22	NA	NA	NA	NA	NA	16	14
heptane	NA	NA	0.67	1.3	U	0.38 F	0.43 F
hexane	20,440	2,044	U	U	U	0.53 F	0.43 F
isopropyl alcohol	NA	NA	U	68	31	41	40
m,p-xylene (sum of isomers)	2,920	292	2.1	2.4	3.4	1.9 F	2.4
methyl butyl ketone	NA	NA	U	U	U	U	1.0 F
methyl ethyl ketone	146,000	14,600	1.7	U	3.9	1.2 F	4.3 B
methyl isobutyl ketone	87,600	8,760	U	U	U	0.44 F	1.9 F
methylene chloride	1,740	1,740	U	0.53	U	0.55 F	0.92 F
naphthalene	NA	NA	U	U	U	U	1.9 F
n-Butane	NA	NA	NA	NA	NA	3.2	3.3
o-xylene	2,920	292	1.1	0.93	0.97	0.79 F	0.82 F
styrene	29,200	2,920	0.78	1.0	0.65	0.44 F	1.8
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.3 F
tetrachloroethylene (pce)	139	102	1.4	U	7.4	U	U
tetrahydrofuran	NA	NA	1.6	4.3	U	U	1.1 F
toluene	146,000	14,600	3.2	4.5	6.9	1.4	1.7
trichloroethylene (tce)	409	41	360	3.8	3.7	3.0	1.4
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	776VMP-3				
Sample ID			**776VMP0301AA**	**776VMP0301AB**	**776VMP0301AC**	**776VMP0301AD**	**776VMP0301AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in µg/m³							
1,1,1-trichloroethane	146,000	14,600	18	U	U	U	U
1,2,4-trimethylbenzene	175	18	11	2.1	0.50 F	0.61 F	0.52 F
1,2-dichloroethane	31	31	U	0.62	U	0.27 F	U
1,3,5-trimethylbenzene	175	18	2.7	0.70 F	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	U
4-ethyltoluene	NA	NA	5.2	0.65 F	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	0.29 F	0.40 F
acetone	NA	NA	20	30	58	34	50
benzene	105	88	2	0.39 F	1.0	0.40 F	0.32 F
carbon disulfide	20,440	2,044	0.95	0.95	0.63	6.0	0.44 F
carbon tetrachloride	55	55	0.38	0.83 F	0.70 F	0.51 F	0.60 F
chlorobenzene	NA	NA	U	U	U	U	0.22 F
chloroform	36	36	16	U	0.74	0.68 F	0.87 F
chloromethane	818	263	U	0.97	U	U	1.3
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U
cyclohexane	175,200	17,520	5.4	3.5	4.8	1.2	2.8
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	1.1	0.66	1.2	0.64 F	0.72 F
freon 11 (trichlorofluoromethane)	20,440	2,044	4.6	1.7	1.5	1.4	1.4
freon 113 (freon TF)	876,000	87,600	1.6	0.93 F	U	0.60 F	0.61 F
freon 12 (dichlorodifluoromethane)	5,840	584	21	2.9	2.6	2.9	2.5
freon 22	NA	NA	NA	NA	NA	6.3	15
heptane	NA	NA	U	U	U	0.36 F	0.45 F
hexane	20,440	2,044	U	U	U	0.72	0.91
isopropyl alcohol	NA	NA	U	12	21	28	28
m,p-xylene (sum of isomers)	2,920	292	3.8	1.7	2.7	1.7 F	1.7 F
methyl butyl ketone	NA	NA	U	U	U	U	0.78 F
methyl ethyl ketone	146,000	14,600	2.8	2.0	2.2	2.6	7.0 B
methyl isobutyl ketone	87,600	8,760	U	U	U	0.83 F	3.1
methylene chloride	1,740	1,740	U	0.95	U	0.50 F	0.99 F
naphthalene	NA	NA	U	U	U	0.51 F	1.6 F
n-Butane	NA	NA	NA	NA	NA	1.7	16
o-xylene	2,920	292	1.6	0.66	0.71	0.70 F	0.58 F
styrene	29,200	2,920	0.78	0.69	0.56 F	0.26 F	0.79 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.4 F
tetrachloroethylene (pce)	139	102	0.83 F	U	U	U	U
tetrahydrofuran	NA	NA	11	1.8	U	0.81 F	2.5 F
toluene	146,000	14,600	4.4	3.1	2.5	1.2	1.8
trichloroethylene (tce)	409	41	830	10	7.3	13	12
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776-IA				
Sample ID			**776IA1CA**	**776IA1DA**	**776IA1EA**	**776IA1FA**	**776IA1GA**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	1.2	1.7	0.85	U	0.55 F
1,2-dichloroethane	31	31	U	0.53 F	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	0.30 F	U
4-ethyltoluene	NA	NA	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	U	U	U	0.33 F
acetone	NA	NA	54	47	30	18	68
benzene	105	88	0.49	0.36 F	1.4	0.67 F	0.40 F
carbon disulfide	20,440	2,044	0.41 F	0.82	U	U	0.64 F
carbon tetrachloride	55	55	0.51	0.77 F	U	0.57 F	0.46 F
chlorobenzene	NA	NA	U	U	U	U	U
chloroform	36	36	U	U	0.55 F	0.32 F	0.25 F
chloromethane	818	263	1.8	1.5	U	1.4 F	1.5
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	1.2
ethyl acetate	93,440	9,344	5.8	3.3	U	U	U
ethylbenzene	743	743	0.71	0.93	1.3	0.47 F	1.1
freon 11 (trichlorofluoromethane)	20,440	2,044	1.4	1.7	1.3	1.4 F	1.4
freon 113 (freon TF)	876,000	87,600	U	0.93 F	U	U	0.57 F
freon 12 (dichlorodifluoromethane)	5,840	584	3.6	3.1	2.2	3.2 F	2.4 F
freon 22	NA	NA	NA	NA	NA	15	14
heptane	NA	NA	3.2	1.3	U	0.43 F	1.5
hexane	20,440	2,044	2.3	U	U	U	2.0
isopropyl alcohol	NA	NA	50	50	35	100	57
m,p-xylene (sum of isomers)	2,920	292	1.2 F	2.1	2.9	1.0 F	2.5
methyl butyl ketone	NA	NA	U	U	U	U	1.2 F
methyl ethyl ketone	146,000	14,600	3.3	4.1	U	0.84 F	6.5 B
methyl isobutyl ketone	87,600	8,760	U	U	U	0.83 F	2.7
methylene chloride	1,740	1,740	U	1.3	U	U	1.7 F
naphthalene	NA	NA	U	U	U	0.71 F	2.2 F
n-Butane	NA	NA	NA	NA	NA	2.4	8.9
o-xylene	2,920	292	0.44 F	0.75	0.88	0.46 F	0.81 F
styrene	29,200	2,920	1.1	1.0	0.82	0.33 F	1.9
tert-Butyl alcohol	NA	NA	NA	NA	NA	0.56 F	5.4 F
tetrachloroethylene (pce)	139	102	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	0.90 F
toluene	146,000	14,600	4.4	3.2	3.9	1.3	5.3
trichloroethylene (tce)	409	41	3.6	1.9	0.98	0.41 F	U
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774/776-OA				
Sample ID			**776OA1DA**	**776OA1EA**	**774776OA1FA**	**774776OA1GA**	**774776OA1HA**
Sample Type			**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	U	1.7	0.60 F	U	1.8
1,2-dichloroethane	31	31	U	U	U	U	0.49 F
1,3,5-trimethylbenzene	175	18	U	U	U	U	0.51 F
2,2,4-trimethylpentane	NA	NA	U	U	U	U	0.94 F
4-ethyltoluene	NA	NA	U	U	U	U	0.53 F
4-isopropyltoluene	NA	NA	U	U	U	U	0.8 F
acetone	NA	NA	18	53	6.8	1.9 F	97
benzene	105	88	U	0.39 F	U	0.63	0.92 F
carbon disulfide	20,440	2,044	0.6	0.35 F	U	U	2.3 F
carbon tetrachloride	55	55	0.51	0.90 F	U	0.51 F	0.5 F
chlorobenzene	NA	NA	U	U	U	U	U
chloroform	36	36	U	U	U	U	U
chloromethane	818	263	U	1.1	0.76	1.2	1.4 F
cis-1,2-dichloroethene	1,022	102	U	0.48 F	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	5.1
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	U	U	1.1	U	2.1
freon 11 (trichlorofluoromethane)	20,440	2,044	1.3	1.7	1.3	1.4	1.4 F
freon 113 (freon TF)	876,000	87,600	U	0.86 F	U	0.56 F	0.61 F
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.9	2.5	2.8	3.4 F
freon 22	NA	NA	NA	NA	NA	U	2.1 F
heptane	NA	NA	1.2	U	U	U	3.6
hexane	20,440	2,044	0.9	U	U	0.42 F	8.2
isopropyl alcohol	NA	NA	U	U	1.2	U	14 F
m,p-xylene (sum of isomers)	2,920	292	U	1.1 F	2.7	0.33 F	6.2
methyl butyl ketone	NA	NA	U	U	U	U	0.56 F
methyl ethyl ketone	146,000	14,600	U	8.7 F	U	0.42 F	6.7 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	U
methylene chloride	1,740	1,740	U	0.92	0.56	0.50 F	2.0 F
naphthalene	NA	NA	U	U	U	U	3.1 F
n-Butane	NA	NA	NA	NA	NA	1.8	24
o-xylene	2,920	292	U	0.44 F	0.97	0.12 F	2.2
styrene	29,200	2,920	U	U	U	U	1.2 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.2 F
tetrachloroethylene (pce)	139	102	U	U	U	U	U
tetrahydrofuran	NA	NA	U	1.3	U	U	8.2 F
toluene	146,000	14,600	1	5.8	3.5	0.73 F	20
trichloroethylene (tce)	409	41	0.98	2.6	0.60 F	U	U
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 785 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	785VMP-2				
Sample ID			**785VMP0202AD**	**785VMP0202AE**	**785VMP0202AF**	**785VMP0202AG**	**785VMP0202AH**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**18-Mar-2011**	**24-Aug-2011**	**24-Oct-2011**	**31-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	U	U	U	0.57 F	U
1,2,4-trimethylbenzene	175	18	1.5	1.4	U	U	3.7
1,2-dichloroethane	31	31	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	1.0
1,3-dichlorobenzene	3,212	321	U	U	U	U	3.0
2,2,4-trimethylpentane	NA	NA	U	U	1.2	U	1.5
4-ethyltoluene	NA	NA	0.65 F	U	U	U	1.2
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.33 F
acetone	NA	NA	10	17	3.2	0.76 F	12 FB
benzene	105	88	2.9	0.65	2.2	U	U
bromodichloromethane	NA	NA	U	U	U	U	U
carbon disulfide	20,440	2,044	0.82	0.63	U	U	0.86 F
carbon tetrachloride	55	55	U	U	0.70 F	0.49 F	0.46 F
chlorobenzene	NA	NA	U	U	U	U	U
chloroform	36	36	1.5	U	U	U	U
chloromethane	818	263	1.4	1.1	U	3.5	37
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	1.3	0.94	1.9	U	U
ethylbenzene	743	743	1.5	U	0.75	U	1.2
freon 11 (trichlorofluoromethane)	20,440	2,044	1	1.8	1.5	1.4	1.3
freon 113 (freon TF)	876,000	87,600	U	0.78 F	U	0.58 F	0.59 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	3.1	2.6	2.9	2.4 F
heptane	NA	NA	2.1	U	1.8	U	3.8
hexane	20,440	2,044	6.9	U	6.1	U	1.3
isopropyl alcohol	NA	NA	U	U	U	U	13
m,p-xylene (sum of isomers)	2,920	292	4.7	0.93 F	2.3	0.21 F	4.5
methyl butyl ketone	NA	NA	U	U	U	U	0.47 F
methyl ethyl ketone	146,000	14,600	3	4.1	U	U	3.3 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.0 F
methylene chloride	1,740	1,740	1.4	U	U	U	2.4
naphthalene	NA	NA	U	U	U	U	2.2 F
n-Butane	NA	NA	NA	NA	NA	0.64 F	6.3
n-Propylbenzene	NA	NA	NA	NA	NA	U	0.68 F
o-xylene	2,920	292	1.3	U	0.71	U	1.6
styrene	29,200	2,920	U	U	U	U	0.46 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.8 F
tetrachloroethylene (pce)	139	102	U	U	U	U	0.73 F
tetrahydrofuran	NA	NA	8.2	11	U	4.6 F	87
toluene	146,000	14,600	15	3.3	6.2	0.36 FB	3.8
trichloroethylene (tce)	409	41	U	19	8.9	1.0 F	9.1
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.

Table 3-2
Building 785 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	785VMP-4				
Sample ID			**785VMP0401AA**	**785VMP0401AB**	**785VMP0401AC**	**785VMP0401AD**	**785VMP0401AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**18-Mar-2011**	**24-Aug-2011**	**24-Oct-2011**	**31-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	1.7	0.72 F	U	U	0.40 F
1,2,4-trimethylbenzene	175	18	0.95	6.7	1.8	0.45 F	15
1,2-dichloroethane	31	31	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	2.1	0.50 F	U	3.9
1,3-dichlorobenzene	3,212	321	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	1.5	3.9	0.58 F	U
4-ethyltoluene	NA	NA	U	2.7	0.85	U	3.6
4-isopropyltoluene	NA	NA	NA	NA	NA	U	1.6
acetone	NA	NA	15	16	U	4.9 F	44
benzene	105	88	4.9	4.2	8.4	0.64	0.57 F
bromodichloromethane	NA	NA	2.6	U	U	U	U
carbon disulfide	20,440	2,044	4.8	13	9.2	1.1 F	12
carbon tetrachloride	55	55	U	U	U	0.51 F	0.47 F
chlorobenzene	NA	NA	U	0.66 F	U	U	U
chloroform	36	36	91	0.79	U	U	0.47 F
chloromethane	818	263	U	U	U	U	0.30 F
cis-1,2-dichloroethene	1,022	102	2.3	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	6.2	9.4	8.0	0.34 FB	2.1
ethylbenzene	743	743	1.1	6.1	4.9	0.58 F	3.9
freon 11 (trichlorofluoromethane)	20,440	2,044	0.86	1.7	1.3	1.4	1.4
freon 113 (freon TF)	876,000	87,600	1.1 F	0.86 F	U	0.58 F	0.69 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.9	2.8	2.5	2.9	2.6
heptane	NA	NA	3.6	5.3	8.2	0.45 FB	1.1
hexane	20,440	2,044	8.2	7.9	13	0.91 B	1.4
isopropyl alcohol	NA	NA	U	U	0.62	2.3 F	15
m,p-xylene (sum of isomers)	2,920	292	2.7	14	14	1.1 F	3.4
methyl butyl ketone	NA	NA	U	U	U	U	0.94 F
methyl ethyl ketone	146,000	14,600	2.3	2.7	U	0.82 F	10 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.3 F
methylene chloride	1,740	1,740	0.95	U	U	0.43 F	0.82 F
naphthalene	NA	NA	U	U	U	U	0.68 F
n-Butane	NA	NA	NA	NA	NA	4.6	3.8
n-Propylbenzene	NA	NA	NA	NA	NA	U	1.5
o-xylene	2,920	292	0.84	5.1	2.8	0.46 F	1.7
styrene	29,200	2,920	U	U	U	U	0.30 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.8 F
tetrachloroethylene (pce)	139	102	U	U	1.0	U	1.2 F
tetrahydrofuran	NA	NA	U	U	U	U	3.4 F
toluene	146,000	14,600	26	23	42	2.2 B	5.9
trichloroethylene (tce)	409	41	720	88	33	3.5	39
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.

Table 3-2
Building 785 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	785VMP-5			
Sample ID			**785VMP0501AA**	**785VMP0501AB**	**785VMP0501AC**	**785VMP0501AD**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**25-Aug-2011**	**24-Oct-2011**	**31-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$						
1,1,1-trichloroethane	146,000	14,600	4.8	1.8	0.53 F	0.74 F
1,2,4-trimethylbenzene	175	18	2.2	1.4	U	0.69 F
1,2-dichloroethane	31	31	U	U	U	U
1,3,5-trimethylbenzene	175	18	0.85	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	1.4	1.3	0.92
4-ethyltoluene	NA	NA	0.50 F	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	U	0.64 F
acetone	NA	NA	21	4.3	2.3 F	20 B
benzene	105	88	0.39 F	2.6	0.64	0.50 F
bromodichloromethane	NA	NA	U	U	U	U
carbon disulfide	20,440	2,044	0.38 F	U	U	2.7
carbon tetrachloride	55	55	U	U	0.48 F	0.45 F
chlorobenzene	NA	NA	U	U	U	U
chloroform	36	36	2.8	0.74	U	U
chloromethane	818	263	U	U	U	0.97 F
cis-1,2-dichloroethene	1,022	102	2.1	U	U	U
cumene	NA	NA	NA	NA	0.41 F	U
cyclohexane	175,200	17,520	U	2.9	1.1 B	0.76
ethylbenzene	743	743	2.3	1.6	1.8	3.8
freon 11 (trichlorofluoromethane)	20,440	2,044	2.2	2.3	1.4	1.5
freon 113 (freon TF)	876,000	87,600	0.86 F	U	U	0.58 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.9	2.5	2.8	2.4 F
heptane	NA	NA	U	1.9	0.70 FB	1.4
hexane	20,440	2,044	U	U	3.5 B	1.3
isopropyl alcohol	NA	NA	8.2	U	U	2.1 F
m,p-xylene (sum of isomers)	2,920	292	8.2	5.8	3.6	14
methyl butyl ketone	NA	NA	U	U	U	0.86 F
methyl ethyl ketone	146,000	14,600	2	U	0.37 F	4.3 B
methyl isobutyl ketone	87,600	8,760	U	U	U	0.49 F
methylene chloride	1,740	1,740	3.7	U	U	0.59 F
naphthalene	NA	NA	U	U	U	0.46 F
n-Butane	NA	NA	NA	NA	4.8	4.4
n-Propylbenzene	NA	NA	NA	NA	U	U
o-xylene	2,920	292	3	1.5	1.7	4.7
styrene	29,200	2,920	U	U	U	0.64 F
tert-Butyl alcohol	NA	NA	NA	NA	U	0.96 F
tetrachloroethylene (pce)	139	102	2.2	U	U	U
tetrahydrofuran	NA	NA	U	U	0.21 F	0.41 F
toluene	146,000	14,600	2.1	7.4	1.6 B	3.7
trichloroethylene (tce)	409	41	610	140	18	20
vinyl chloride	186	186	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.

Table 3-2
Building 785 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	785-IA			
Sample ID			**785IA05**	**785IA06**	**785IA07**	**785IA08**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$						
1,1,1-trichloroethane	146,000	14,600	U	U	U	U
1,2,4-trimethylbenzene	175	18	1.7	1.4	U	0.37 F
1,2-dichloroethane	31	31	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	0.52 F	0.29 F	U
4-ethyltoluene	NA	NA	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	U	U
acetone	NA	NA	35	11	2.6 F	16 B
benzene	105	88	U	1.3	0.58 F	0.36 F
bromodichloromethane	NA	NA	U	U	U	U
carbon disulfide	20,440	2,044	U	U	U	U
carbon tetrachloride	55	55	U	U	0.53 F	0.44 F
chlorobenzene	NA	NA	U	U	U	U
chloroform	36	36	U	4.7	U	U
chloromethane	818	263	U	U	1.2	1.1
cis-1,2-dichloroethene	1,022	102	U	U	U	U
cumene	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	U	U	0.34 FB	0.15 F
ethylbenzene	743	743	U	0.75	0.13 F	0.22 F
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	1.3	1.4	1.3
freon 113 (freon TF)	876,000	87,600	U	U	0.54 F	0.58 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	2.3	2.8	2.3 F
heptane	NA	NA	U	0.71	0.37 FB	0.70 F
hexane	20,440	2,044	U	2.3	2.0 B	0.75
isopropyl alcohol	NA	NA	24	U	U	0.84 F
m,p-xylene (sum of isomers)	2,920	292	1.0 F	2.4	0.29 F	0.65 F
methyl butyl ketone	NA	NA	U	U	U	U
methyl ethyl ketone	146,000	14,600	3.2	U	0.30 F	2.3 B
methyl isobutyl ketone	87,600	8,760	U	U	U	0.38 F
methylene chloride	1,740	1,740	0.85	U	U	0.51 F
naphthalene	NA	NA	U	U	U	U
n-Butane	NA	NA	NA	NA	2.0	2.5
n-Propylbenzene	NA	NA	NA	NA	U	U
o-xylene	2,920	292	U	0.75	0.11 F	0.22 F
styrene	29,200	2,920	U	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	U	U
tetrachloroethylene (pce)	139	102	U	21	U	U
tetrahydrofuran	NA	NA	U	U	U	U
toluene	146,000	14,600	4.2	4.0	1.4 B	1.3
trichloroethylene (tce)	409	41	1.1	U	U	U
vinyl chloride	186	186	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.

Table 3-2
Building 785 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	785/786-OA			
Sample ID			**785OA01**	**785786OA02**	**785786OA03**	**785786OA04**
Sample Type			**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date			**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$						
1,1,1-trichloroethane	146,000	14,600	U	U	U	U
1,2,4-trimethylbenzene	175	18	1.3	2.6	U	0.73 F
1,2-dichloroethane	31	31	U	U	U	2.6
1,3,5-trimethylbenzene	175	18	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	0.76	0.34 F	0.56 F
4-ethyltoluene	NA	NA	U	0.65 F	U	U
4-isopropyltoluene	NA	NA	NA	NA	U	U
acetone	NA	NA	39	12	19	150
benzene	105	88	0.39 F	1.8	0.56 F	0.80 F
bromodichloromethane	NA	NA	U	U	U	U
carbon disulfide	20,440	2,044	U	U	U	0.78 F
carbon tetrachloride	55	55	U	U	0.52 F	U
chlorobenzene	NA	NA	U	U	U	U
chloroform	36	36	U	U	U	U
chloromethane	818	263	U	U	1.2	1.2 F
cis-1,2-dichloroethene	1,022	102	U	U	U	U
cumene	NA	NA	NA	NA	U	U
cyclohexane	175,200	17,520	0.77	U	0.63 FB	1.5
ethylbenzene	743	743	U	1.3	U	1.4 F
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	1.4	1.4	1.4 F
freon 113 (freon TF)	876,000	87,600	U	U	0.59 F	0.70 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.9	2.2	2.8	3.2 F
heptane	NA	NA	U	1.2	0.55 FB	2.7
hexane	20,440	2,044	U	3.8	2.2 B	4.4
isopropyl alcohol	NA	NA	15	2.2	1.3 F	11 F
m,p-xylene (sum of isomers)	2,920	292	0.75 F	4.3	0.30 F	3.8 F
methyl butyl ketone	NA	NA	U	U	U	1.1 F
methyl ethyl ketone	146,000	14,600	3.4	U	0.92 F	8.6 B
methyl isobutyl ketone	87,600	8,760	U	U	U	U
methylene chloride	1,740	1,740	1.1	1.3	0.53 F	2.4 F
naphthalene	NA	NA	U	U	U	1.1 F
n-Butane	NA	NA	NA	NA	1.9	30
n-Propylbenzene	NA	NA	NA	NA	U	U
o-xylene	2,920	292	U	1.3	U	1.3 F
styrene	29,200	2,920	U	U	U	0.74 F
tert-Butyl alcohol	NA	NA	NA	NA	U	1.8 F
tetrachloroethylene (pce)	139	102	U	U	U	1.7 F
tetrahydrofuran	NA	NA	U	U	U	5.9 F
toluene	146,000	14,600	2.3	7.2	0.57 FB	17
trichloroethylene (tce)	409	41	0.82	0.82	U	U
vinyl chloride	186	186	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.

Table 3-2
Building 786 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	786VMP-1				
Sample ID			**786VMP0102AA**	**786VMP0102AB**	**786VMP0102AC**	**786VMP0102AD**	**786VMP0102AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in µg/m³							
1,1,1-trichloroethane	146,000	14,600	12	U	U	U	U
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	7.5	6.9	1.2	U	0.38 F
1,2-dichloroethane	31	31	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	5.2	1.9	U	U	U
2,2,4-trimethylpentane	NA	NA	19	0.95	3.8	1.9	U
4-ethyltoluene	NA	NA	3.2	2.7	0.65 F	U	U
acetone	NA	NA	31	20	U	3.3 F	7.8 FB
benzene	105	88	19	3.1	9.1	U	U
bromodichloromethane	NA	NA	4.0	U	U	U	U
carbon disulfide	20,440	2,044	15	0.63	U	U	0.65 F
carbon tetrachloride	55	55	U	U	0.70 F	0.43 F	0.52 F
chloroform	36	36	30	0.84	U	U	0.43 F
chloromethane	818	263	U	U	U	U	0.24 F
cis-1,2-dichloroethene	1,022	102	9.7	U	U	U	U
cyclohexane	175,200	17,520	U	2.5	5.7	2.8	U
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	6.6	4.6	3.1	U	0.34 F
freon 11 (trichlorofluoromethane)	20,440	2,044	3.0	1.8	2.6	1.3	1.3
freon 113 (freon TF)	876,000	87,600	U	0.86 F	0.78 F	0.64 F	0.62 F
freon 12 (dichlorodifluoromethane)	5,840	584	3.8	2.9	U	2.7	2.4 F
freon 22	NA	NA	NA	NA	NA	U	0.86 F
heptane	NA	NA	25	3.4	8.1	4.1	U
hexane	20,440	2,044	52	4.9	16	10	U
isopropyl alcohol	NA	NA	U	14	U	1.1 F	0.87 F
m,p-xylene (sum of isomers)	2,920	292	17	19	11	0.32 F	1.0 F
methyl butyl ketone	NA	NA	U	U	U	U	U
methyl ethyl ketone	146,000	14,600	U	2.3	U	0.55 F	1.3 FB
methyl isobutyl ketone	87,600	8,760	U	U	U	3.5	U
methylene chloride	1,740	1,740	3.8	U	U	U	0.44 F
naphthalene	NA	NA	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	0.43 F
o-xylene	2,920	292	7.5	4.9	2.0	0.11 F	0.39 F
styrene	29,200	2,920	U	U	U	U	0.20 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U
tetrachloroethylene (pce)	139	102	140	3.7	2.0	2.4	1.5
tetrahydrofuran	NA	NA	U	U	U	U	0.43 F
toluene	146,000	14,600	35	15	29	0.61 F	1.5
trichloroethylene (tce)	409	41	4,900	84	49	13	24
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 786 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786VMP-2				
Sample ID			**786VMP0202AA**	**786VMP0202AB**	**786VMP0202AC**	**786VMP0202AE**	**786VMP0202AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**7-Feb-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	15	4.2	3.7	0.78 F	2.1
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	4.5	7.5	1.6	0.62 F	1.2
1,2-dichloroethane	31	31	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	1.7	3.1	0.55 F	0.26 F	0.33 F
2,2,4-trimethylpentane	NA	NA	1.8	U	1.3	U	U
4-ethyltoluene	NA	NA	0.95	2	0.55 F	0.29 F	0.36 F
acetone	NA	NA	49	25	U	1.9 F	26 B
benzene	105	88	4.6	0.32 F	2.2	U	0.19 F
bromodichloromethane	NA	NA	7.4	3.2	1.7	0.32 F	1.3 F
carbon disulfide	20,440	2,044	5.3	1.4	0.41 F	U	0.64 F
carbon tetrachloride	55	55	U	U	U	0.44 F	0.53 F
chloroform	36	36	620	100	72	12	31
chloromethane	818	263	U	U	U	U	0.27 F
cis-1,2-dichloroethene	1,022	102	1.4	U	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	0.38 F
ethyl acetate	93,440	9,344	U	1.1	U	U	U
ethylbenzene	743	743	1.5	8.8	2.7	1.4	1.9
freon 11 (trichlorofluoromethane)	20,440	2,044	2.7	1.7	1.4	1.3	1.4
freon 113 (freon TF)	876,000	87,600	3.7	1.1 F	1.1 F	0.55 F	0.78 F
freon 12 (dichlorodifluoromethane)	5,840	584	3.5	2.8	2.3	2.5	2.4 F
freon 22	NA	NA	NA	NA	NA	U	1.2 F
heptane	NA	NA	5.8	U	1.7	U	0.38 F
hexane	20,440	2,044	U	U	U	0.22 F	0.76
isopropyl alcohol	NA	NA	U	U	U	1.4 F	1.5 F
m,p-xylene (sum of isomers)	2,920	292	4.8	32	9.9	4.6	7.2
methyl butyl ketone	NA	NA	9.2	8.7 F	U	U	0.84 F
methyl ethyl ketone	146,000	14,600	15	U	U	U	4.8 B
methyl isobutyl ketone	87,600	8,760	6.7	U	U	1.0 F	0.74 F
methylene chloride	1,740	1,740	1.4	23	2.5	15	2.8
naphthalene	NA	NA	U	U	U	U	0.53 F
n-Butane	NA	NA	NA	NA	NA	0.67 F	2.1
o-xylene	2,920	292	2.2	6.6	2.1	1.1	1.6
styrene	29,200	2,920	U	2.2	U	U	0.25 F
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.1 F
tetrachloroethylene (pce)	139	102	11	0.83 F	2.9	U	0.82 F
tetrahydrofuran	NA	NA	16	U	U	U	0.67 F
toluene	146,000	14,600	6.7	16	11	2.2 B	4.4
trichloroethylene (tce)	409	41	740	260	140	22	110
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 786 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786VMP-3				
Sample ID			**786VMP0302AA**	**786VMP0302AB**	**786VMP0302AC**	**786VMP0302AD**	**786VMP0302AG**
Sample Type			**VMP**	**VMP**	**VMP**	**VMP**	**VMP**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0**	**0.08**	**0.08**	**0.08**	**0.08**
Volatiles (TO-15) in $\mu g/m^3$							
1,1,1-trichloroethane	146,000	14,600	16	U	U	U	U
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	0.62 F
1,2,4-trimethylbenzene	175	18	13	2.4	0.8	0.33 F	U
1,2-dichloroethane	31	31	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	9.9	0.65 F	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	1.4	0.24 F	U
4-ethyltoluene	NA	NA	8.1	0.60 F	U	U	U
acetone	NA	NA	50	24	4.3	1.2 F	94
benzene	105	88	4.7	0.32 F	4.2	0.25 F	1.0
bromodichloromethane	NA	NA	2.9	U	U	U	U
carbon disulfide	20,440	2,044	3.1	0.95	U	U	0.91 F
carbon tetrachloride	55	55	U	U	0.64 F	0.48 F	0.55 F
chloroform	36	36	47	U	U	U	0.33 F
chloromethane	818	263	U	U	U	U	U
cis-1,2-dichloroethene	1,022	102	1.1	U	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	U
ethyl acetate	93,440	9,344	U	U	U	U	U
ethylbenzene	743	743	9.8	1.6	1.1	0.40 F	0.34 F
freon 11 (trichlorofluoromethane)	20,440	2,044	3.2	1.7	1.5	1.4	1.4 F
freon 113 (freon TF)	876,000	87,600	3.4	0.78 F	U	0.54 F	0.67 F
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.8	2.6	2.7	2.7 F
freon 22	NA	NA	NA	NA	NA	0.97 F	1.0 F
heptane	NA	NA	4.7	1.2	1.9	0.40 F	0.83 F
hexane	20,440	2,044	U	U	6.8	1.5	U
isopropyl alcohol	NA	NA	U	11	U	U	2.8 F
m,p-xylene (sum of isomers)	2,920	292	16	5.3	3.4	1.4 F	0.75 F
methyl butyl ketone	NA	NA	7.6	U	U	U	7.6
methyl ethyl ketone	146,000	14,600	19	6.3 F	U	U	35
methyl isobutyl ketone	87,600	8,760	U	U	U	4.0	1.3 F
methylene chloride	1,740	1,740	U	U	U	0.50 F	U
naphthalene	NA	NA	U	U	U	U	0.87 F
n-Butane	NA	NA	NA	NA	NA	U	U
o-xylene	2,920	292	6.2 F	1.5	0.84	0.38 F	0.24 F
styrene	29,200	2,920	4.8	0.95	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	0.47 F	150
tetrachloroethylene (pce)	139	102	85	2.6	1.5	U	4.6
tetrahydrofuran	NA	NA	36	U	U	U	U
toluene	146,000	14,600	16	5.2	7.7	0.62 F	2.7
trichloroethylene (tce)	409	41	2,200	51	23	1.9	36
vinyl chloride	186	186	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 786 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786-IA			
Sample ID			**786IA04**	**786IA05**	**786IA06**	**786IA07**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$						
1,1,1-trichloroethane	146,000	14,600	U	U	U	U
1,2,4-trichlorobenzene	NA	NA	U	U	U	U
1,2,4-trimethylbenzene	175	18	5.1	1.9	U	0.59 F
1,2-dichloroethane	31	31	U	U	U	0.44 F
1,3,5-trimethylbenzene	175	18	2.6	U	U	U
2,2,4-trimethylpentane	NA	NA	0.81	U	0.41 F	0.80 F
4-ethyltoluene	NA	NA	1.2	0.60 F	U	U
acetone	NA	NA	49	12	3.3 F	46
benzene	105	88	0.91	1.3	0.75	0.47 F
bromodichloromethane	NA	NA	U	U	U	U
carbon disulfide	20,440	2,044	U	U	U	1.8
carbon tetrachloride	55	55	U	U	0.53 F	0.43 F
chloroform	36	36	U	U	U	0.19 F
chloromethane	818	263	U	U	1.2	1.3
cis-1,2-dichloroethene	1,022	102	0.64	U	U	U
cyclohexane	175,200	17,520	U	1.7	0.28 FB	0.35 F
ethyl acetate	93,440	9,344	U	U	U	U
ethylbenzene	743	743	3	1.8	0.67 F	1.3
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	1.1	1.4	1.4
freon 113 (freon TF)	876,000	87,600	0.78 F	U	0.56 F	0.61 F
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	2.0	2.8	2.5
freon 22	NA	NA	NA	NA	U	1.3 F
heptane	NA	NA	1.7	0.96	0.48 FB	0.92
hexane	20,440	2,044	U	2.6	1.3 B	1.5
isopropyl alcohol	NA	NA	8.2	3.0	U	3.0 F
m,p-xylene (sum of isomers)	2,920	292	11	6.2	1.8 F	3.9
methyl butyl ketone	NA	NA	U	U	U	0.40 F
methyl ethyl ketone	146,000	14,600	5.9	U	0.76 F	4.5 B
methyl isobutyl ketone	87,600	8,760	U	U	2.6	0.71 F
methylene chloride	1,740	1,740	2.7	U	0.67 F	1.0 F
naphthalene	NA	NA	U	U	U	U
n-Butane	NA	NA	NA	NA	2.3	7.8
o-xylene	2,920	292	2.7	1.7	0.51 F	1.0
styrene	29,200	2,920	1.8	U	U	0.62 F
tert-Butyl alcohol	NA	NA	NA	NA	U	U
tetrachloroethylene (pce)	139	102	U	U	U	0.34 F
tetrahydrofuran	NA	NA	U	U	U	1.5 F
toluene	146,000	14,600	8.8	9.4	2.4 B	7.3
trichloroethylene (tce)	409	41	2.5	U	U	U
vinyl chloride	186	186	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-3
Buildings 774 and 776
SSVM Performance Monitoring Influent Results

Sample Location	**774776- Influent**						
Sample ID	**774776CA01AA**	**774776CA01AB**	**774776CA01AC**	**774776CA01AD**	**774776CA01AE**	**774776CA01AF**	**774776CA01AG**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**
Sample Date	**6-Jun-2011**	**23-Aug-2011**	**14-Oct-2011**	**14-Oct-2011**	**25-Oct-2011**	**24-Jan-2012**	**3-Aug-2012**
Sample Depth (ft bgs / ags)	**na**	**na**	**na**	**na**	**na**	**na**	**na**
Sample Collection Duration (hr)	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**
Volatiles (TO-15) in µg/m^3							
1,1,1-trichloroethane	6.6	4.0	6.9	6.1	6.5	5.0 F	2.9
1,2,4-trimethylbenzene	9.5	3.1	U	U	1.7	U	0.69 F
1,3,5-trimethylbenzene	4.7	2.2	U	U	0.55 F	U	U
1,3-dichlorobenzene	U	U	U	U	U	U	0.81 F
4-ethyltoluene	6.9	1.0	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.34 F
acetone	50	30	300	440	27	16 F	23 B
benzene	0.45 F	4.1	0.42 F	0.7	0.97	1.8 F	0.30 F
carbon disulfide	0.73	U	U	U	U	U	0.46 F
carbon tetrachloride	U	U	U	U	0.96	U	0.54 F
chloroform	15	4.3	3.6	5.0	4.6	3.6 F	4.9
chloromethane	U	U	U	U	U	U	0.71 F
cis-1,2-dichloroethene	1.80	U	U	U	U	U	U
cyclohexane	U	U	U	U	U	U	0.36 F
ethylbenzene	0.62 F	0.93	U	U	0.79	U	0.38 F
freon 11 (trichlorofluoromethane)	50	130	83	59	49	40	61
freon 113 (freon TF)	U	1.9	1.1 F	1.0 F	U	U	0.82 F
freon 12 (dichlorodifluoromethane)	3.7	16	6.1	6.1	6.4	11 F	7.1
freon 22	NA	NA	NA	NA	NA	320	94
heptane	0.83	12	U	U	0.87	1.9 F	0.37 F
hexane	U	U	U	U	U	U	0.66 F
isopropyl alcohol	U	U	U	U	U	U	7.9 F
m,p-xylene (sum of isomers)	1.3 F	3.3	U	U	2.4	U	0.99 F
methyl ethyl ketone	14	4.4	300	400	15	4.8 F	2.5 B
methyl isobutyl ketone	U	U	U	U	U	U	0.28 F
methylene chloride	2.2	U	U	U	U	U	0.64 F
naphthalene	U	U	U	U	U	U	1.9 F
n-Butane	NA	NA	NA	NA	NA	2.9 F	1.7
o-xylene	0.84	1.8	U	U	1.0	U	0.42 F
styrene	U	U	U	U	U	U	0.15 F
tetrachloroethylene (pce)	3.4	2.4	2.3	12	3.5	U	1.5
tetrahydrofuran	120	6.0	600	770	5.2	U	1.4 F
toluene	1.8	2.2	0.96	1.4	2.2	0.83 F	1.2
trichloroethylene (tce)	510	240	670	1,200	650	300	190
vinyl chloride	U	U	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits.
NA- Not Available
µg/m^3: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-3
Buildings 785 and 786
SSVM Performance Monitoring Influent Results

Sample Location	**785786-Influent**				
Sample ID	**785786CA0100AA**	**785786CA01AB**	**785786CA01AC**	**785786CA01AD**	**785786CA01AG**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**
Sample Date	**19-May-2011**	**23-Aug-2011**	**25-Oct-2011**	**24-Jan-2012**	**3-Aug-2012**
Sample Depth (ft bgs)	**na**	**na**	**na**	**na**	**na**
Sample Collection Duration (hr)	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**
Volatiles (TO-15) in µg/m^3					
1,1,1-trichloroethane	4.8	1.4	1.6	0.32 F	U
1,2,4-trimethylbenzene	6.9	1.7	2.8	0.26 F	1.4 F
1,3,5-trimethylbenzene	6.3	1.5	U	U	0.65 F
1,3-dichlorobenzene	U	U	U	U	0.49 F
2,2,4-trimethylpentane	300	31	33	7.9	9.5
4-ethyltoluene	U	0.75	U	U	0.36 F
acetone	180	5.1	U	1.2 F	56
benzene	1.9	0.81	U	U	0.51 F
carbon disulfide	6.9	0.79	U	U	0.70 F
carbon tetrachloride	U	U	U	0.48 F	0.44 F
chloroform	59	8.1	7.8	1.6	2.8
chloromethane	U	U	U	U	0.45 F
cis-1,2-dichloroethene	17	4.5	3.0	0.56 F	1.6
cyclohexane	180	28	U	U	4.4
ethylbenzene	5.9	2.9	1.7	0.30 F	1.1 F
freon 11 (trichlorofluoromethane)	1.4	1.8	1.5	1.4	1.4 F
freon 113 (freon TF)	0.78 F	0.78 F	U	0.52 F	0.62 F
freon 12 (dichlorodifluoromethane)	2.4	2.7	U	2.5	2.3 F
heptane	130	30	26	3.1	2.5
hexane	150	13	U	1.5	5.4
isopropyl alcohol	U	U	U	U	9.6 F
m,p-xylene (sum of isomers)	16	6.3	6.0	0.98 F	3.3
methyl ethyl ketone	20	U	U	0.27 F	5.3 B
methylene chloride	1.4	U	U	0.54 F	2.0 F
naphthalene	U	U	U	U	2.3 F
n-butane	NA	NA	NA	2.8	13
o-xylene	6.5	3.4	1.9	0.30 F	1.3 F
styrene	U	U	U	U	0.48 F
tert-butyl alcohol	NA	NA	NA	U	1.0 F
tetrachloroethylene (pce)	250	52	72	11	22
tetrahydrofuran	510	U	U	U	2.6 F
toluene	5.6	3.4	3.8	0.44 F	9.5
trichloroethylene (tce)	3500	520	740	140	250
vinyl chloride	U	U	U	U	U

Notes:
U - Not detected.
F- Analyte detectd at or below quantitation limits
NA- Not Available
µg/m^3: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Appendices

Appendix A

Operation and Maintenance Field Forms

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7/5/12
conducted by:	KW
Site ID:	B774/776

	Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
776	well 1	-24	well 1	0.45	72	149.30
774-2	well 2	-14	well 2	0.10	78	71.61
774-1	well 3	-22	well 3	0.30	72	122.19
	Blower Temp (deg F)	146	After Cooler Temp (deg F)	132		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-9-12			
conducted by:	MG			
Site ID:	B774-776 SVI		Patm (inch hg):	30.01

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
77655VM-1 well 1	-22	well 1	0.5	73°F	158.24
77455VM-2 well 2	-12	well 2	0.2	80°F	101.94
77458VM-1 well 3	-22	well 3	0.3	62°F	121.30

Blower Temp (deg F)	144°F	After Cooler Temp (deg F)	130°F	

Well ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-27-12			
conducted by:	MG/KW			
Site ID:	B774-776SVI		Patm (inch hg):	29.82
Vacuum Gauge.	Vacuum (inch w.g.)	Magnehelic Gauge.	Differential Pressure (inch w.g.)	Temperature (Deg F)
776SSVM-1 well 1	-24	well 1	0.5	72°
774SSVM-2 well 2	-12	well 2	0.1	78°
774SSVM-1 well 3	-22	well 3	0.3	70°
Blower Temp (deg F)	140°	After Cooler Temp (deg F)	128°	

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (cfm)

157.25

71.73

121.86

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-2-12			
conducted by:	MG/JW			
Site ID:	B774/776 SVI		Patm (inch hg):	29.89

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
776 SVM-1 well 1	-22	well 1	0.5	75°F	158.24
774 SVM-2 well 2	-14	well 2	0.2	80°F	101.50
774 SVM-1 well 3	-20	well 3	0.3	72°F	122.51
Blower Temp (deg F)	150°F	After Cooler Temp (deg F)	140°F		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-17-12			
conducted by:	MG			
Site ID:	B774/B776 SVI		Patm (inch hg):	29.8 in

Vacuum Gauge	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w g)	Temperature (Deg F)	Flow Rate (acfm)
776 SSVM-1 well 1	-22	well 1	0.4	75°F	141.33
774 SSVM-2 well 2	-12	well 2	0.2	77°F	101.31
774 SSVM-1 well 3	-20	well 3	0.3	73°F	122.34
Blower Temp (deg F)	140°F	After Cooler Temp (deg F)	130°F		

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-24-12			
conducted by:	MG			
Site ID:	B774-776 SVI		Patm (inch hg):	30.22 in Hg

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
776 SSVM-1 well 1	-22	well 1	0.4	73°F	142.01
774 SSVM-2 well 2	-12	well 2	0.1	78°F	72.19
774 SSVM-1 well 3	-20	well 3	0.3	70°F	122.92
Blower Temp (deg F)	148 F	After Cooler Temp (deg F)	85°F		

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-30-12			
conducted by:	MG			
Site ID:	B774-B776		Patm (inch hg):	30.01

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
776SSVM-1 well 1	-22	well 1	0.4	72°F	141.40
774SSVM-2 well 2	-12	well 2	0.2	75°F	101.46
775SSVM-1 well 3	-20	well 3	0.3	70°F	122.52
Blower Temp (deg F)	134°F	After Cooler Temp (deg F)	134°F		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-20-12	B774		
conducted by:	MG			
Site ID:	B-774-776 SVE		Patm (inch hg):	30.09
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
776 SVM-1 well 1	-28	well 1	0.6	70°F
774 SVM-2 well 2	-18	well 2	0.2	70°F
774 SVM-1 well 3	-26	well 3	0.5	68°F
Blower Temp (deg F)	120°F	After Cooler Temp (deg F)	108°F	

Well ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (acfm)

171.87

100.40

156.96

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7/5/12			
conducted by:	MG/KW			
Site ID:	B785/786		Patm (inch hg):	29.87
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785 well 1	50	well 1	0.7	64
786 well 2	51	well 2	1.1	62
TOT well 3	4.4 in Hg	well 3	3.6	76
Blower Temp (deg F)	156	After Cooler Temp (deg F)	136	

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (acfm)

103.67

129.57

208.55

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-19-12			
conducted by:	MG			
Site ID:	B785 – 786 SVI		Patm (inch hg):	30.01
Vacuum Gauge:	Vacuum (inch w g.)	Magnehelic Gauge:	Differential Pressure (inch w g.)	Temperature (Deg F)
786-SVM-1 well 1	~~5~~ -54	well 1	.1	68°F
78555VM-1 well 2	-50	well 2	.4	70°F
well 3		well 3		
Blower Temp (deg F)	160°F	After Cooler Temp (deg F)	140°F	

Flow Rate (acfm)

124.10

78.98

Well ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-27-12			
conducted by:	MG/KW			
Site ID:	B785/B786		Patm (inch hg):	29.82
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785SVMP well 1	-50	well 1	.8	68°
786SVMP well 2	-52	well 2	1	70°
well 3		well 3		
Blower Temp (deg F)	160°	After Cooler Temp (deg F)	138°	

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (acfm)

11.17

124.26

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-2-12			
conducted by:	MG/JW			
Site ID:	B785/B786 SVI		Patm (inch hg):	29.89
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge.	Differential Pressure (inch w.g.)	Temperature (Deg F)
785 SSVM well 1	-56	well 1	.6	70°F
786 SSVM well 2	-52	well 2	1	66°F
well 3		well 3		
Blower Temp (deg F)	160°F	After Cooler Temp (deg F)	140°F	

Flow Rate (acfm)
96.56
123.72

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)
786VMP-3/45Ft.	12:53	-0.80		
774VMP-1/30ft	1300	-0.05		
774VMP-2/15ft	1305	-0.19		
774VMP-3/45ft	1310	-0.01		
786VMP-1/15ft	1320	-0.91		
786VMP-2/30ft	1330	0.00		
785VMP-3/15ft	1350	-0.05		
785VMP-4/30ft	1355	-0.45		
785VMP-5/60ft	1400	-0.72		
776VMP-1/30ft	1000	-0.01		
776VMP-2/35ft	1005	-0.012		
776VMP-3/45ft	1010	-0.006		

8/9/12

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-16-12				
conducted by:	MG				
Site ID:	B785-B786 SVI			Patm (inch hg):	29.8 in-7
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
B786 SSVM-1 well 1	-50	well 1	1	65°F	123.90
B785 SVM-1 well 2	-48	well 2	.3	70°F	68.33
well 3		well 3			
Blower Temp (deg F)	160°F	After Cooler Temp (deg F)	139°F		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-24-12			
conducted by:	MG			
Site ID:	B785-786SVI		Paum (inch hg):	30.22 in ↑
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
786SSVM-1 well 1	-28	well 1	3	65°F
785SVM-2 well 2	-24	well 2	0.1	70°F
well 3		well 3		
Blower Temp (deg F)	140°F	After Cooler Temp (deg F)	120°F	

Flow Rate (acfm)

221.38

40.80

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

* check horizontal well lines due to low vacuum - Horizontal well 786SSVM-1 dead end was undermined by a lawn mower, replace with new well cap *

Appendix B

Sub-Slab Vapor Sampling Forms

SOIL GAS SAMPLING FORM

Project: 1015-11-01 Sampled by: MB/JW

Location and Site Code (SITEID): Bldg 774/776

Well No. (LOCID): 774776-Influent (before carbon train)

Date (LOGDATE): 8/3/12 Weather: Sun/85°F

FIELD MEASUREMENTS:

Time	O_2 (%)	CO_2 (%)	~~PID~~ RKI (ppb)
1431	19.6	0.0	0.0

(After carbon train)

Sample Time: 1430 Sample ID: 774776CA01A6

Container # 4240

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/6/12 TIME: 1345

SAMPLE IDENTIFICATION: 774VMP-1 (774VMP0101AGT)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: ~~6L~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200ml~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -27 in Hg

VACUUM AFTER SAMPLING: -5 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odors, spills etc...

Weather conditions: Outdoor temperature: 75° F

Barometric pressure: 30.07 in Hg

Precipitation: NONE

Ventilation conditions: ~~Centrall~~ Central A/C unit

HVAC active ✓ ← Heating System Active? ☒ Yes [redacted] Indoor Air Temp: 70° F

Location in relation to sample location: 3 to air handlers

Windows Closed? ☒ Yes ☐ No Hallway outside office

HEX - 0 LEL %

OXY - 19.9 VOL %

CO2 - 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/6/12 TIME: 1400

SAMPLE IDENTIFICATION: 774VMP-2 (774VMP02 01AG)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenze)

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: ~~6L~~ 1 L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29 inHg

VACUUM AFTER SAMPLING: -2 inHg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odors, spills etc...

Weather conditions: Outdoor temperature: 75° F

Barometric pressure: 30.07 in Hg

Precipitation: NONE

Ventilation conditions: Central A/C unit

Heating System Active? ☒ Yes ~~☐ No~~ Indoor Air Temp: 76° F

cooling

Location in relation to sample location: 36 air handlers,

Windows Closed? ☒ Yes ☐ No 1-in Bathroom

HEX - 0 LEL %

OXY 19.9 VOL %

CO2 - 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/6/12 TIME: 1410

SAMPLE IDENTIFICATION: 774VMP-3 (774VMP0301AG)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: ~~6L~~ 1 L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200 mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -26 in Hg

VACUUM AFTER SAMPLING: -4 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odors, spills etc..

Weather conditions: Outdoor temperature: 75° F

Barometric pressure: 30.07 in Hg

Precipitation: None

Ventilation conditions: Central A/C unit

Heating System Active? ☒ Yes ☐ No Indoor Air Temp: 70° F

Location in relation to sample location: 36 air handlers, 1 in back computer room

Windows Closed? ☒ Yes ☐ No

cooling

HEX — 0 LEL %

OXY — 19.9 VOL %

CO2 — 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/6/12 TIME: 1020

SAMPLE IDENTIFICATION: 776VMP-1 (776VMP0101A6)

SAMPLE DEPTH: 16'

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: ~~6L~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -31 in Hg

VACUUM AFTER SAMPLING: -2 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

DRY

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

NONE (no stains, odors observed)
cleaning products.

Weather conditions: Outdoor temperature: 69° F

Barometric pressure: 30.08 in Hg

Precipitation: NONE

Ventilation conditions: Central A/C unit

cooling | Heating System Active? ☒ Yes ☐ No Indoor Air Temp: 66°

Location in relation to sample location: 43 air handlers - 1 next to ~~in front entrance of~~ ~~outdoor~~ ~~closets~~ printer

Windows Closed? ☒ Yes ☐ No

HEX - 0 LEL %
OXY - 19.9 vol %
CO2 - 0.0 vol %

can# - 4282
Reg# - 5324

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/6/12 TIME: 0950

SAMPLE IDENTIFICATION: 776VMP-2 (776VMP0201AG)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: ~~1 L~~ 1 L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200 mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -31.0 in Hg

VACUUM AFTER SAMPLING: -1.0 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

DRY

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

NONE (no stains, odors observed)
Cleaning products

Weather conditions: Outdoor temperature: 68°F

Barometric pressure: 30.07 in Hg

Precipitation: NONE

Ventilation conditions: central AC unit

Heating System Active? ☒ Yes ☐ ~~No~~ Indoor Air Temp: 66°F

Location in relation to sample location: 43 air handlers in Front entrance outside of closet

Windows Closed? ☒ Yes ☐ No

HEX - 0 LEL %

OXY - 20.1 VOL %

CO2 - 0.0 VOL %

Can # - 3283

Reg # - 4691

Start 1030

Reg# 4681

Can# 2669

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/6/12 TIME: 1030

SAMPLE IDENTIFICATION: 776 VMP-3 (776VMP0301AG)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: ~~6L~~ 1 L

VOLUME OF SOIL VAPOR EXTRACTED: 200mL 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -25 in Hg

VACUUM AFTER SAMPLING: 0.0 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

DRY

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

NONE (no stains, odors observed)

Weather conditions: Outdoor temperature: 69°F

Barometric pressure: 30.08 in Hg

Precipitation: NONE

Ventilation conditions: Central A/C unit

Heating System Active? ☒ Yes ☐ No Indoor Air Temp: 66°F (cooling)

Location in relation to sample location: 43 air handler

Windows Closed? ☒ Yes ☐ No 1 in back office

HEX - 0 LEL 0%

OXY - 20.1 VOL %

CO_2 - 0.0 VOL %

Can#: 2669

Reg#: 4681

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/6/12 TIME: 1420

SAMPLE IDENTIFICATION: 774-IA (774IA14H)

SAMPLE DEPTH: N/A 5ft above ground

FIELD PERSONNEL: Mark Grifasi Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29 in Hg

VACUUM AFTER SAMPLING: -1 in Hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

No odors, spills etc...

VOCs used during normal operations of facility: Cleaning products

Weather conditions: Outdoor temperature: 75° F

Barometric pressure: 30.07 in Hg

Precipitation: NONE

Ventilation conditions: Central A/C unit

Heating System Active? ☑ Yes ☐ No (cooling) Indoor Air Temp.: 70° F

Location in relation to sample location: 36 air handlers

Windows Closed? ☒ Yes ☐ No 1 in back computer room

HEX - 0 LEL %

OXY - 19.9 VOL %

CO2 - 0.0 VOL %

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/6/12 TIME: 1025

SAMPLE IDENTIFICATION: 776-IA (776IA1GA)

SAMPLE DEPTH: N/A, 5 ft above ground

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

NONE (no odors, stains observed)

VOCs used during normal operations of facility: NONE

Weather conditions: Outdoor temperature: 69°F

Barometric pressure: 30.08 in Hg

Precipitation: NONE

Ventilation conditions: Central A/C unit

Heating System Active? ☒ Yes ~~☐ No~~ Indoor Air Temp.: 66°

cooling /

Location in relation to sample location: 43 air handlers

Windows Closed? ☒ Yes ☐ No 1 - in back computer room

HEX - 0 LEL %

OXY - 19.9 vol %

CO2 - 0.0 vol %

can # - 4290

Reg # -

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/6/12 TIME: 1130

SAMPLE IDENTIFICATION: 774776[redacted]-OA (774776OA1HA)

SAMPLE DEPTH: 5 ft above ground

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -26 in Hg

VACUUM AFTER SAMPLING: -2 in Hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

NONE, no odors

VOCs used during normal operations of facility: NONE (outdoor sample)

Weather conditions: Outdoor temperature: 70°F

Barometric pressure: 30.08 in Hg

Precipitation: NONE

Ventilation conditions: very good. (outdoor air sample)

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 66°F

Location in relation to sample location: Outdoor air sample

Windows Closed? ☒ Yes ☐ No

HEX - 0 LEL% can#-2788

OXY - 19.9 VOL% Reg#-2811

CO_2 - 0.0 VOL%

SOIL GAS SAMPLING FORM

Project: 1015-11-01 Sampled by: MG/JW

Location and Site Code (**SITEID**): Bldg 785/786

Well No. (**LOCID**): 785/786 - Influent (before carbon train)

Date (**LOGDATE**): 8/3/12 Weather: Sun/85°F

FIELD MEASUREMENTS: (After Carbon Train)

Time	O_2 (%)	CO_2 (%)	~~PID~~ RKI (ppm)
1326	19.7	0.0	0.0

Sample Time: 1325 Sample ID: 785786CA01A6

Container # 4441

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/8/17 TIME: 1440

SAMPLE IDENTIFICATION: ~~785-SA~~ 785VMP-7 (785VMP0202AH)

SAMPLE DEPTH: ~~6"~~ 2.5ft

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☑ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: 1 L

VOLUME OF SOIL VAPOR EXTRACTED: 200mL 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -26 inHg

VACUUM AFTER SAMPLING: 0 inHg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odor various floor stains from storage of heavy equipment

Weather conditions: Outdoor temperature: 88° F

Barometric pressure: 29.92 inHg

Precipitation: None

Ventilation conditions: Very good (open doors/windows)

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 75° F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

HEX - 0 LEL

OXY - 19.9 VOL %

CO2 - 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/8/12 TIME: 1410

SAMPLE IDENTIFICATION: ~~786 SA~~ 785VMP-4 (785VMP0401AGT)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200 mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odor, various floor stains from storage of heavy equipment

Weather conditions: Outdoor temperature: 87 °F

Barometric pressure: 29.93 in Hg

Precipitation: NONE

Ventilation conditions: very good. (Open doors / windows)

Heating System Active? ☐ Yes ☐ No Indoor Air Temp: ~75°F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

HEX - 0 LEL

OXY - 19.7 VOL %

CO2 - 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/8/12 TIME: 1500

SAMPLE IDENTIFICATION: 785VMP-5 (785VMP0501AD)

SAMPLE DEPTH: 16"

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☑ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200 mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30 in Hg

VACUUM AFTER SAMPLING: -1 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odor, various floor stains from storage of heavy equipment.

Weather conditions: Outdoor temperature: 88° F

Barometric pressure: 29.92 in Hg

Precipitation: NONE

Ventilation conditions: very good (open doors/windows)

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 75° F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

HEX - 0 LEL

OXY - 19.7 VOL%

CO2 - 0.0 VOL%

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/8/12 TIME: 1050

SAMPLE IDENTIFICATION: 786VMP-1 (786VMP0102AG)

SAMPLE DEPTH: ~~ft~~ 2.5ft

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle, TVH

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): N/A

SAMPLE PURGE VOLUME: 1 L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200mL~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odor, various floor stains from storage of heavy equipment.

Weather conditions: Outdoor temperature: 79° F

Barometric pressure: 29.99 in Hg

Precipitation: NONE

Ventilation conditions: Very good ventilation (open doors/windows)

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~75° F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

#Ex - 0 LEL

OXY - 19.7 VOL %

CO2 - 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/8/12 TIME: 1120

SAMPLE IDENTIFICATION: 786VMP-2 (786VMP0202AG)

SAMPLE DEPTH: ~~1ft~~ 2 0.5ft

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI EAGLE

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: 1 L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200 mL~~ 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odor, various floor stains from storage of heavy equipment

Weather conditions: Outdoor temperature: 79° F

Barometric pressure: 29.99 in Hg

Precipitation: NONE

Ventilation conditions: Very Good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 75F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

HEX - 0 LEL

OXY - 19.7 VOL %

CO2 - 0.0 VOL %

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/8/12 TIME: 1030

SAMPLE IDENTIFICATION: 786VMP-3 (786VMP0302AG)

SAMPLE DEPTH: ~~5~~ 2.5ft

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): NA

SAMPLE PURGE VOLUME: 1 L

VOLUME OF SOIL VAPOR EXTRACTED: ~~200ml~~ 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

No odor. Various floor stains from storage of heavy equipment

Weather conditions: Outdoor temperature: 79° F

Barometric pressure: 29.99 in Hg

Precipitation: NONE

Ventilation conditions: Very good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~75° F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

Hex - 0 LEL

OXY - 19.6 VOL%

CO2 - 0.0 VOL%

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/6/12 TIME: 1420

SAMPLE IDENTIFICATION: 785-IA (785/1408)

SAMPLE DEPTH: N/A, 5ft above Ground

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30 in Hg

VACUUM AFTER SAMPLING: -1 in Hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

No odor, various floor stains from storage of heavy equipment.

VOCs used during normal operations of facility: Inactive building

Weather conditions: Outdoor temperature: 88°F

Barometric pressure: 29.92 in Hg

Precipitation: None

Ventilation conditions: very good (open doors, windows)

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 75°F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

HEX - 0 LEL

OXY - 19.9 vol%

CO2 - 0.0 vol%

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/6/12 TIME: 1110

SAMPLE IDENTIFICATION: 786-IA (786IA07)

SAMPLE DEPTH: N/A, 5ft above Ground

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle

CGI: RKI Eagle

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

No odors, various floor stains from storage of heavy equipment

VOCs used during normal operations of facility: Inactive building (None)

Weather conditions: Outdoor temperature: 79°F

Barometric pressure: 29.99 in Hg

Precipitation: NONE

Ventilation conditions: Very good. (open doors, windows)

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 75°F

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☒ No

HEX - 0 LEL

OXY - 19.9 VOL%

CO2 - 0.0 VOL%

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/8/12 TIME: 1150

SAMPLE IDENTIFICATION: 785786-0A (785786OA04)

SAMPLE DEPTH: N/A | 5ft above ground

FIELD PERSONNEL: Mark Grifasi, Josh Wenzel

INSTRUMENTS (model and serial number):

PUMP: RKI EAGLE

CGI: RKI Eagle

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -20 in Hg

VACUUM AFTER SAMPLING: 0 in Hg

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

No odors

VOCs used during normal operations of facility: NONE

Weather conditions: Outdoor temperature: 81° F

Barometric pressure: 29.98 in Hg

Precipitation: NONE

Ventilation conditions: Outdoor air sample

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: NA

Location in relation to sample location: Outdoor air sample

Windows Closed? ☐ Yes ☒ No

#EX - 0 LEL

OXY - 19.9 VOL %

CO2 - 0.0 VOL %

Appendix C

Raw Lab Data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-32071-1

Job Description: Griffiss AFB Soil Vapor

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine Walker
Project Manager I
9/10/2012 4:33 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
09/10/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Manual Integration Summary 5
- Sample Summary 10
- Executive Summary 11
- Method Summary 49
- Method / Analyst Summary 50
- Sample Datasheets 51
- QC Data Summary 135
- Data Qualifiers 147
- QC Association Summary 148
- Lab Chronicle 149
- Reagent Traceability 154
- Certification Summary 219

Organic Sample Data 220

- Air - GC/MS VOA 220
  - Method TO15 220
    - Method TO15 QC Summary 221
    - Method TO15 Sample Data 233
    - Standards Data 1044
      - Method TO15 ICAL Data 1044
      - Method TO15 CCAL Data 1095
    - Raw QC Data 1118
      - Method TO15 Tune Data 1118
      - Method TO15 Blank Data 1130

Table of Contents

Method TO15 LCS/LCSD Data 1153

Method TO15 Run Logs 1168

Subcontracted Data 1171

Shipping and Receiving Documents 1175

Client Chain of Custody 1176

Sample Receipt Checklist 1178

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Soil Vapor
Report Number: 280-32071-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Twenty-one samples were received at TestAmerica Burlington on 08/10/2012; the samples arrived in good condition, and properly preserved.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC) for the collection time: 776VMP0301AG (280-32071-6). The container labels lists a time of 10:35, while the COC lists a time of 10:30. The samples collection time was logged in per COC.

TO-15 - VOLAITLE ORGANIC COMPOUNDS

Samples 774VMP0101AG (280-32071-1), 774VMP0201AG (280-32071-2), 774VMP0301AG (280-32071-3), 776VMP0101AG (280-32071-4), 776VMP0201AG (280-32071-5), 776VMP0301AG (280-32071-6), 774IA1AH (280-32071-7), 774776OA1HA (280-32071-8), 776IA1GA (280-32071-9), 786VMP0102AG (280-32071-10), 786VMP0202AG (280-32071-11), 786VMP0302AG (280-32071-12), 774776CA01AG (280-32071-13), 785786CA01AG (280-32071-14), 785IA08 (280-32071-15), 786IA07 (280-32071-16), 785786OA04 (280-32071-17), 785VMP0202AH (280-32071-18), 785VMP0401AG (280-32071-19), 785VMP0501AD (280-32071-20), and TRIP BLANK (280-32071-21) were analyzed for EPA-21 in accordance with TO-15. The samples were analyzed on 08/22/2012, 08/23/2012, 08/27/2012 and 08/28/2012.

Methylene Chloride was detected in method blank MB 200-44077/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Methylene Chloride was detected in method blank MB 200-44081/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 280-44081 exceeded control limits for Naphthalene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Naphthalene was flagged “Q” in the associated samples.

Samples 774776OA1HA (280-32071-8)[1.5X], 786VMP0302AG (280-32071-12)[1.5X], 785786CA01AG (280-32071-14)[1.5X] and 785786OA04 (280-32071-17)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TO15 analyses.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 43490

Lab Sample ID: IC 200-43490/3 Client Sample ID:

Date Analyzed: 08/14/12 18:13 Lab File ID: ckz003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.13	Poor chromatography	ahk	08/14/12 22:55
Carbon tetrachloride	12.78	Poor chromatography		

Lab Sample ID: IC 200-43490/4 Client Sample ID:

Date Analyzed: 08/14/12 19:07 Lab File ID: ckz004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.95	Poor chromatography		
Methyl tert-butyl ether	9.66	Poor chromatography		
n-Butanol	14.24	Analyte misidentified by the data system	ahk	08/14/12 23:01
trans-1,3-Dichloropropene	17.23	Poor chromatography		
n-Nonane	19.79	Peak not found by the data system	ahk	08/14/12 23:02
n-Dodecane	25.46	Peak not found by the data system	ahk	08/14/12 23:02

Lab Sample ID: IC 200-43490/5 Client Sample ID:

Date Analyzed: 08/14/12 20:00 Lab File ID: ckz005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	14.24	Peak not found by the data system	ahk	08/14/12 23:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44077

Lab Sample ID: CCVIS 200-44077/2 Client Sample ID:

Date Analyzed: 08/27/12 11:24 Lab File ID: ckzi002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.87	Baseline event	klp	08/28/12 14:50
Acetonitrile	8.91	Baseline event	wrd	08/27/12 11:57

Lab Sample ID: LCS 200-44077/3 Client Sample ID:

Date Analyzed: 08/27/12 12:15 Lab File ID: ckzi003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.87	Baseline event	wrd	08/27/12 13:01

Lab Sample ID: 280-32071-12 Client Sample ID: 786VMP0302AG

Date Analyzed: 08/27/12 13:58 Lab File ID: ckzi005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon TF	8.03	Baseline event	wrd	08/28/12 09:11
Carbon tetrachloride	12.77	Baseline event	wrd	08/28/12 09:12
Ethylbenzene	19.63	Baseline event	wrd	08/28/12 09:13

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44081

Lab Sample ID: MB 200-44081/4 Client Sample ID:

Date Analyzed: 08/22/12 14:24 Lab File ID: ckzg004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.18	Baseline event	pd	08/23/12 14:31

Lab Sample ID: 280-32071-1 Client Sample ID: 774VMP0101AG

Date Analyzed: 08/22/12 17:04 Lab File ID: ckzg007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	12.20	Baseline event	pd	08/23/12 14:38

Lab Sample ID: 280-32071-2 Client Sample ID: 774VMP0201AG

Date Analyzed: 08/22/12 17:58 Lab File ID: ckzg008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 14:57
Carbon tetrachloride	12.79	Baseline event	pd	08/23/12 14:57

Lab Sample ID: 280-32071-4 Client Sample ID: 776VMP0101AG

Date Analyzed: 08/22/12 19:44 Lab File ID: ckzg010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.77	Baseline event	pd	08/23/12 15:02

Lab Sample ID: 280-32071-5 Client Sample ID: 776VMP0201AG

Date Analyzed: 08/22/12 20:38 Lab File ID: ckzg011.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.77	Baseline event	pd	08/23/12 15:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44081

Lab Sample ID: 280-32071-6 Client Sample ID: 776VMP0301AG

Date Analyzed: 08/22/12 21:32 Lab File ID: ckzg012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.78	Baseline event	pd	08/23/12 15:06

Lab Sample ID: 280-32071-7 Client Sample ID: 774IA1AH

Date Analyzed: 08/22/12 22:25 Lab File ID: ckzg013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 15:08
Methyl Butyl Ketone (2-Hexanone)	17.99	Baseline event	pd	08/23/12 15:09

Lab Sample ID: 280-32071-9 Client Sample ID: 776IA1GA

Date Analyzed: 08/23/12 00:12 Lab File ID: ckzg015.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.78	Baseline event	pd	08/23/12 15:12

Lab Sample ID: 280-32071-10 Client Sample ID: 786VMP0102AG

Date Analyzed: 08/23/12 01:05 Lab File ID: ckzg016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 15:16

Lab Sample ID: 280-32071-16 Client Sample ID: 786IA07

Date Analyzed: 08/23/12 06:26 Lab File ID: ckzg022.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	17.76	Baseline event	pd	08/23/12 15:37

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44081

Lab Sample ID: 280-32071-19 Client Sample ID: 785VMP0401AG

Date Analyzed: 08/23/12 09:07 Lab File ID: ckzg025.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane	12.52	Baseline event	pd	08/23/12 15:45

Lab Sample ID: 280-32071-20 Client Sample ID: 785VMP0501AD

Date Analyzed: 08/23/12 10:01 Lab File ID: ckzg026.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 15:47
1,1,1-Trichloroethane	12.52	Baseline event	pd	08/23/12 15:47
Benzene	13.18	Baseline event	pd	08/23/12 15:48

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-32071-1	774VMP0101AG	Air	08/06/2012 1345	08/10/2012 0945
280-32071-2	774VMP0201AG	Air	08/06/2012 1400	08/10/2012 0945
280-32071-3	774VMP0301AG	Air	08/06/2012 1410	08/10/2012 0945
280-32071-4	776VMP0101AG	Air	08/06/2012 1020	08/10/2012 0945
280-32071-5	776VMP0201AG	Air	08/06/2012 0950	08/10/2012 0945
280-32071-6	776VMP0301AG	Air	08/06/2012 1030	08/10/2012 0945
280-32071-7	774IA1AH	Air	08/06/2012 1420	08/10/2012 0945
280-32071-8	774776OA1HA	Air	08/06/2012 1130	08/10/2012 0945
280-32071-9	776IA1GA	Air	08/06/2012 1025	08/10/2012 0945
280-32071-10	786VMP0102AG	Air	08/08/2012 1050	08/10/2012 0945
280-32071-11	786VMP0202AG	Air	08/08/2012 1120	08/10/2012 0945
280-32071-12	786VMP0302AG	Air	08/08/2012 1030	08/10/2012 0945
280-32071-13	774776CA01AG	Air	08/03/2012 1430	08/10/2012 0945
280-32071-14	785786CA01AG	Air	08/03/2012 1325	08/10/2012 0945
280-32071-15	785IA08	Air	08/08/2012 1420	08/10/2012 0945
280-32071-16	786IA07	Air	08/08/2012 1110	08/10/2012 0945
280-32071-17	785786OA04	Air	08/08/2012 1150	08/10/2012 0945
280-32071-18	785VMP0202AH	Air	08/08/2012 1440	08/10/2012 0945
280-32071-19	785VMP0401AG	Air	08/08/2012 1410	08/10/2012 0945
280-32071-20	785VMP0501AD	Air	08/08/2012 1500	08/10/2012 0945
280-32071-21TB	TRIP BLANK	Air	08/08/2012 0900	08/10/2012 0945

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-1	**774VMP0101AG**					
Dichlorodifluoromethane		0.56		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.8		2.5	ug/m3	TO-15
Freon 22		23		0.50	ppb v/v	TO-15
Freon 22		83		1.8	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.61		0.50	ppb v/v	TO-15
n-Butane		1.4		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.41		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.3		1.1	ug/m3	TO-15
Freon TF		0.082	J	0.20	ppb v/v	TO-15
Freon TF		0.63	J	1.5	ug/m3	TO-15
Acetone		13		5.0	ppb v/v	TO-15
Acetone		30		12	ug/m3	TO-15
Isopropyl alcohol		8.8		5.0	ppb v/v	TO-15
Isopropyl alcohol		22		12	ug/m3	TO-15
Methylene Chloride		0.21	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.72	J	1.7	ug/m3	TO-15
n-Hexane		0.33		0.20	ppb v/v	TO-15
n-Hexane		1.2		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.2		1.5	ug/m3	TO-15
Chloroform		0.077	J M	0.20	ppb v/v	TO-15
Chloroform		0.38	J M	0.98	ug/m3	TO-15
Tetrahydrofuran		0.74	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.2	J	15	ug/m3	TO-15
Cyclohexane		0.67		0.20	ppb v/v	TO-15
Cyclohexane		2.3		0.69	ug/m3	TO-15
Carbon tetrachloride		0.079	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.50	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.47		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		2.2		0.93	ug/m3	TO-15
Benzene		0.14	J	0.20	ppb v/v	TO-15
Benzene		0.44	J	0.64	ug/m3	TO-15
n-Heptane		0.17	J	0.20	ppb v/v	TO-15
n-Heptane		0.68	J	0.82	ug/m3	TO-15
Trichloroethene		0.19	J	0.20	ppb v/v	TO-15
Trichloroethene		1.0	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.28	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.1	J	2.0	ug/m3	TO-15
Toluene		1.1		0.20	ppb v/v	TO-15
Toluene		4.2		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.10	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.43	J	2.0	ug/m3	TO-15
Ethylbenzene		0.22		0.20	ppb v/v	TO-15
Ethylbenzene		0.95		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.72		0.50	ppb v/v	TO-15
m,p-Xylene		3.1		2.2	ug/m3	TO-15
Xylene, o-		0.28		0.20	ppb v/v	TO-15
Xylene, o-		1.2		0.87	ug/m3	TO-15
Xylene (total)		1.0		0.20	ppb v/v	TO-15
Xylene (total)		4.4		0.87	ug/m3	TO-15
Styrene		0.11	J	0.20	ppb v/v	TO-15
Styrene		0.48	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.073	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.36	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.56	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.095	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.47	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.37		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.8		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.051	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.28	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.067	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.40	J	1.2	ug/m3	TO-15
Naphthalene		0.11	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.60	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-2	**774VMP0201AG**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		38		0.50	ppb v/v	TO-15
Freon 22		130		1.8	ug/m3	TO-15
Chloromethane		0.37	J	0.50	ppb v/v	TO-15
Chloromethane		0.77	J	1.0	ug/m3	TO-15
n-Butane		0.49	J	0.50	ppb v/v	TO-15
n-Butane		1.2	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.67		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.8		1.1	ug/m3	TO-15
Freon TF		0.080	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		18		5.0	ppb v/v	TO-15
Acetone		43		12	ug/m3	TO-15
Isopropyl alcohol		12		5.0	ppb v/v	TO-15
Isopropyl alcohol		30		12	ug/m3	TO-15
Carbon disulfide		0.37	J	0.50	ppb v/v	TO-15
Carbon disulfide		1.2	J	1.6	ug/m3	TO-15
Methylene Chloride		0.17	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.59	J M	1.7	ug/m3	TO-15
n-Hexane		0.22		0.20	ppb v/v	TO-15
n-Hexane		0.77		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.4		1.5	ug/m3	TO-15
Chloroform		0.14	J	0.20	ppb v/v	TO-15
Chloroform		0.69	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.49	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.47		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.6		1.1	ug/m3	TO-15
Cyclohexane		0.52		0.20	ppb v/v	TO-15
Cyclohexane		1.8		0.69	ug/m3	TO-15
Carbon tetrachloride		0.093	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.59	J M	1.3	ug/m3	TO-15
Benzene		0.16	J	0.20	ppb v/v	TO-15
Benzene		0.53	J	0.64	ug/m3	TO-15
n-Heptane		0.21		0.20	ppb v/v	TO-15
n-Heptane		0.88		0.82	ug/m3	TO-15
Trichloroethene		3.8		0.20	ppb v/v	TO-15
Trichloroethene		20		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.33	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.3	J	2.0	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		3.9		0.75	ug/m3	TO-15
Ethylbenzene		0.22		0.20	ppb v/v	TO-15
Ethylbenzene		0.94		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.71		0.50	ppb v/v	TO-15
m,p-Xylene		3.1		2.2	ug/m3	TO-15
Xylene, o-		0.26		0.20	ppb v/v	TO-15
Xylene, o-		1.1		0.87	ug/m3	TO-15
Xylene (total)		0.97		0.20	ppb v/v	TO-15
Xylene (total)		4.2		0.87	ug/m3	TO-15
Styrene		0.10	J	0.20	ppb v/v	TO-15
Styrene		0.44	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.063	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.31	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.52	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.088	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.43	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.35		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.7		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.062	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.34	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.062	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.37	J	1.2	ug/m3	TO-15
Naphthalene		0.37	J Q	0.50	ppb v/v	TO-15
Naphthalene		1.9	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-3	**774VMP0301AG**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		7.4		0.50	ppb v/v	TO-15
Freon 22		26		1.8	ug/m3	TO-15
Chloromethane		0.21	J	0.50	ppb v/v	TO-15
Chloromethane		0.43	J	1.0	ug/m3	TO-15
n-Butane		1.1		0.50	ppb v/v	TO-15
n-Butane		2.7		1.2	ug/m3	TO-15
Trichlorofluoromethane		2.7		0.20	ppb v/v	TO-15
Trichlorofluoromethane		15		1.1	ug/m3	TO-15
Freon TF		0.066	J	0.20	ppb v/v	TO-15
Freon TF		0.51	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		25		12	ug/m3	TO-15
Isopropyl alcohol		1.7	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		4.2	J	12	ug/m3	TO-15
Carbon disulfide		0.10	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.32	J	1.6	ug/m3	TO-15
Methylene Chloride		0.61		0.50	ppb v/v	TO-15
Methylene Chloride		2.1		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.42	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.3	J	15	ug/m3	TO-15
n-Hexane		0.44		0.20	ppb v/v	TO-15
n-Hexane		1.6		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.8		1.5	ug/m3	TO-15
Chloroform		0.045	J	0.20	ppb v/v	TO-15
Chloroform		0.22	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.45	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.3	J	15	ug/m3	TO-15
Cyclohexane		0.24		0.20	ppb v/v	TO-15
Cyclohexane		0.83		0.69	ug/m3	TO-15
Benzene		0.12	J	0.20	ppb v/v	TO-15
Benzene		0.38	J	0.64	ug/m3	TO-15
n-Heptane		0.18	J	0.20	ppb v/v	TO-15
n-Heptane		0.72	J	0.82	ug/m3	TO-15
Trichloroethene		0.19	J	0.20	ppb v/v	TO-15
Trichloroethene		1.0	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.091	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.37	J	2.0	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		4.0		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.20	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.81	J	2.0	ug/m3	TO-15
Ethylbenzene		0.10	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.45	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.28	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.2	J	2.2	ug/m3	TO-15
Xylene, o-		0.088	J	0.20	ppb v/v	TO-15
Xylene, o-		0.38	J	0.87	ug/m3	TO-15
Xylene (total)		0.37		0.20	ppb v/v	TO-15
Xylene (total)		1.6		0.87	ug/m3	TO-15
Styrene		0.073	J	0.20	ppb v/v	TO-15
Styrene		0.31	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.071	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.35	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.049	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.27	J	1.1	ug/m3	TO-15
Naphthalene		0.13	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.68	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-4	**776VMP0101AG**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		3.8		0.50	ppb v/v	TO-15
Freon 22		13		1.8	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		1.2		0.50	ppb v/v	TO-15
n-Butane		2.8		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.084	J	0.20	ppb v/v	TO-15
Freon TF		0.65	J	1.5	ug/m3	TO-15
Acetone		24		5.0	ppb v/v	TO-15
Acetone		57		12	ug/m3	TO-15
Isopropyl alcohol		19		5.0	ppb v/v	TO-15
Isopropyl alcohol		46		12	ug/m3	TO-15
Carbon disulfide		3.1		0.50	ppb v/v	TO-15
Carbon disulfide		9.5		1.6	ug/m3	TO-15
Methylene Chloride		0.15	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.52	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.65	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.0	J	15	ug/m3	TO-15
Methyl Ethyl Ketone		4.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		13		1.5	ug/m3	TO-15
Tetrahydrofuran		0.24	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.72	J	15	ug/m3	TO-15
Cyclohexane		0.84		0.20	ppb v/v	TO-15
Cyclohexane		2.9		0.69	ug/m3	TO-15
Carbon tetrachloride		0.13	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.83	J M	1.3	ug/m3	TO-15
Benzene		0.13	J	0.20	ppb v/v	TO-15
Benzene		0.43	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.080	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.32	J	0.81	ug/m3	TO-15
n-Heptane		0.092	J	0.20	ppb v/v	TO-15
n-Heptane		0.38	J	0.82	ug/m3	TO-15
methyl isobutyl ketone		0.75		0.50	ppb v/v	TO-15
methyl isobutyl ketone		3.1		2.0	ug/m3	TO-15
Toluene		0.40		0.20	ppb v/v	TO-15
Toluene		1.5		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.33	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.4	J	2.0	ug/m3	TO-15
Ethylbenzene		0.21		0.20	ppb v/v	TO-15
Ethylbenzene		0.92		0.87	ug/m3	TO-15
m,p-Xylene		0.43	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.8	J	2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.15	J	0.20	ppb v/v	TO-15
Xylene, o-		0.65	J	0.87	ug/m3	TO-15
Xylene (total)		0.58		0.20	ppb v/v	TO-15
Xylene (total)		2.5		0.87	ug/m3	TO-15
Styrene		0.24		0.20	ppb v/v	TO-15
Styrene		1.0		0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.093	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.46	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.060	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.33	J	1.1	ug/m3	TO-15
Naphthalene		0.61	Q	0.50	ppb v/v	TO-15
Naphthalene		3.2	Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-5	**776VMP0201AG**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		3.8		0.50	ppb v/v	TO-15
Freon 22		14		1.8	ug/m3	TO-15
Chloromethane		0.67		0.50	ppb v/v	TO-15
Chloromethane		1.4		1.0	ug/m3	TO-15
n-Butane		1.4		0.50	ppb v/v	TO-15
n-Butane		3.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.088	J	0.20	ppb v/v	TO-15
Freon TF		0.67	J	1.5	ug/m3	TO-15
Acetone		18		5.0	ppb v/v	TO-15
Acetone		43		12	ug/m3	TO-15
Isopropyl alcohol		16		5.0	ppb v/v	TO-15
Isopropyl alcohol		40		12	ug/m3	TO-15
Carbon disulfide		0.13	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.41	J	1.6	ug/m3	TO-15
Methylene Chloride		0.27	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.92	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.42	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.3	J	15	ug/m3	TO-15
n-Hexane		0.12	J	0.20	ppb v/v	TO-15
n-Hexane		0.43	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.3		1.5	ug/m3	TO-15
Chloroform		0.045	J	0.20	ppb v/v	TO-15
Chloroform		0.22	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.39	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.1	J	15	ug/m3	TO-15
Cyclohexane		0.61		0.20	ppb v/v	TO-15
Cyclohexane		2.1		0.69	ug/m3	TO-15
Carbon tetrachloride		0.11	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.70	J M	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.56	J	0.93	ug/m3	TO-15
Benzene		0.14	J	0.20	ppb v/v	TO-15
Benzene		0.43	J	0.64	ug/m3	TO-15
n-Heptane		0.10	J	0.20	ppb v/v	TO-15
n-Heptane		0.43	J	0.82	ug/m3	TO-15
Trichloroethene		0.26		0.20	ppb v/v	TO-15
Trichloroethene		1.4		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.47	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.9	J	2.0	ug/m3	TO-15
Toluene		0.46		0.20	ppb v/v	TO-15
Toluene		1.7		0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Methyl Butyl Ketone (2-Hexanone)		0.25	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.0	J	2.0	ug/m3	TO-15
Ethylbenzene		0.25		0.20	ppb v/v	TO-15
Ethylbenzene		1.1		0.87	ug/m3	TO-15
m,p-Xylene		0.55		0.50	ppb v/v	TO-15
m,p-Xylene		2.4		2.2	ug/m3	TO-15
Xylene, o-		0.19	J	0.20	ppb v/v	TO-15
Xylene, o-		0.82	J	0.87	ug/m3	TO-15
Xylene (total)		0.73		0.20	ppb v/v	TO-15
Xylene (total)		3.2		0.87	ug/m3	TO-15
Styrene		0.41		0.20	ppb v/v	TO-15
Styrene		1.8		0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.092	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.45	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.075	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.41	J	1.1	ug/m3	TO-15
Naphthalene		0.36	J Q	0.50	ppb v/v	TO-15
Naphthalene		1.9	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-6	**776VMP0301AG**					
Dichlorodifluoromethane		0.50		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		4.1		0.50	ppb v/v	TO-15
Freon 22		15		1.8	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		6.7		0.50	ppb v/v	TO-15
n-Butane		16		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.25		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.079	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		21		5.0	ppb v/v	TO-15
Acetone		50		12	ug/m3	TO-15
Isopropyl alcohol		11		5.0	ppb v/v	TO-15
Isopropyl alcohol		28		12	ug/m3	TO-15
Carbon disulfide		0.14	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.44	J	1.6	ug/m3	TO-15
Methylene Chloride		0.29	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.99	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.46	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.4	J	15	ug/m3	TO-15
n-Hexane		0.26		0.20	ppb v/v	TO-15
n-Hexane		0.91		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		2.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		7.0		1.5	ug/m3	TO-15
Chloroform		0.18	J	0.20	ppb v/v	TO-15
Chloroform		0.87	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.84	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.5	J	15	ug/m3	TO-15
Cyclohexane		0.82		0.20	ppb v/v	TO-15
Cyclohexane		2.8		0.69	ug/m3	TO-15
Carbon tetrachloride		0.095	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.60	J M	1.3	ug/m3	TO-15
Benzene		0.099	J	0.20	ppb v/v	TO-15
Benzene		0.32	J	0.64	ug/m3	TO-15
n-Heptane		0.11	J	0.20	ppb v/v	TO-15
n-Heptane		0.45	J	0.82	ug/m3	TO-15
Trichloroethene		2.2		0.20	ppb v/v	TO-15
Trichloroethene		12		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.76		0.50	ppb v/v	TO-15
methyl isobutyl ketone		3.1		2.0	ug/m3	TO-15
Toluene		0.48		0.20	ppb v/v	TO-15
Toluene		1.8		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.19	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.78	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Chlorobenzene		0.047	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.22	J	0.92	ug/m3	TO-15
Ethylbenzene		0.17	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.72	J	0.87	ug/m3	TO-15
m,p-Xylene		0.40	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.7	J	2.2	ug/m3	TO-15
Xylene, o-		0.13	J	0.20	ppb v/v	TO-15
Xylene, o-		0.58	J	0.87	ug/m3	TO-15
Xylene (total)		0.53		0.20	ppb v/v	TO-15
Xylene (total)		2.3		0.87	ug/m3	TO-15
Styrene		0.19	J	0.20	ppb v/v	TO-15
Styrene		0.79	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.11	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.52	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.073	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.40	J	1.1	ug/m3	TO-15
Naphthalene		0.31	J Q	0.50	ppb v/v	TO-15
Naphthalene		1.6	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-7	**774IA1AH**					
Dichlorodifluoromethane		0.48	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		11		0.50	ppb v/v	TO-15
Freon 22		40		1.8	ug/m3	TO-15
Chloromethane		0.56		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
n-Butane		0.14	J	0.50	ppb v/v	TO-15
n-Butane		0.32	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.88		0.20	ppb v/v	TO-15
Trichlorofluoromethane		5.0		1.1	ug/m3	TO-15
Freon TF		0.074	J	0.20	ppb v/v	TO-15
Freon TF		0.56	J	1.5	ug/m3	TO-15
Acetone		13		5.0	ppb v/v	TO-15
Acetone		32		12	ug/m3	TO-15
Isopropyl alcohol		3.4	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		8.3	J	12	ug/m3	TO-15
Methylene Chloride		0.13	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.45	J M	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.75		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.2		1.5	ug/m3	TO-15
Chloroform		0.058	J	0.20	ppb v/v	TO-15
Chloroform		0.28	J	0.98	ug/m3	TO-15
Carbon tetrachloride		0.072	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
Trichloroethene		0.065	J	0.20	ppb v/v	TO-15
Trichloroethene		0.35	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.090	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.37	J	2.0	ug/m3	TO-15
Toluene		0.13	J	0.20	ppb v/v	TO-15
Toluene		0.47	J	0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.15	J M	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.62	J M	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-8	**774776OA1HA**					
Dichlorodifluoromethane		0.68	J	0.75	ppb v/v	TO-15
Dichlorodifluoromethane		3.4	J	3.7	ug/m3	TO-15
Freon 22		0.59	J	0.75	ppb v/v	TO-15
Freon 22		2.1	J	2.7	ug/m3	TO-15
Chloromethane		0.68	J	0.75	ppb v/v	TO-15
Chloromethane		1.4	J	1.5	ug/m3	TO-15
n-Butane		9.9		0.75	ppb v/v	TO-15
n-Butane		24		1.8	ug/m3	TO-15
Trichlorofluoromethane		0.25	J	0.30	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	1.7	ug/m3	TO-15
Freon TF		0.080	J	0.30	ppb v/v	TO-15
Freon TF		0.61	J	2.3	ug/m3	TO-15
Acetone		41		7.5	ppb v/v	TO-15
Acetone		97		18	ug/m3	TO-15
Isopropyl alcohol		5.8	J	7.5	ppb v/v	TO-15
Isopropyl alcohol		14	J	18	ug/m3	TO-15
Carbon disulfide		0.74	J	0.75	ppb v/v	TO-15
Carbon disulfide		2.3	J	2.3	ug/m3	TO-15
Methylene Chloride		0.57	J	0.75	ppb v/v	TO-15
Methylene Chloride		2.0	J	2.6	ug/m3	TO-15
tert-Butyl alcohol		0.40	J	7.5	ppb v/v	TO-15
tert-Butyl alcohol		1.2	J	23	ug/m3	TO-15
n-Hexane		2.3		0.30	ppb v/v	TO-15
n-Hexane		8.2		1.1	ug/m3	TO-15
Methyl Ethyl Ketone		2.3		0.75	ppb v/v	TO-15
Methyl Ethyl Ketone		6.7		2.2	ug/m3	TO-15
Tetrahydrofuran		2.8	J	7.5	ppb v/v	TO-15
Tetrahydrofuran		8.2	J	22	ug/m3	TO-15
Cyclohexane		1.5		0.30	ppb v/v	TO-15
Cyclohexane		5.1		1.0	ug/m3	TO-15
Carbon tetrachloride		0.079	J	0.30	ppb v/v	TO-15
Carbon tetrachloride		0.50	J	1.9	ug/m3	TO-15
2,2,4-Trimethylpentane		0.20	J	0.30	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.94	J	1.4	ug/m3	TO-15
Benzene		0.29	J	0.30	ppb v/v	TO-15
Benzene		0.92	J	0.96	ug/m3	TO-15
1,2-Dichloroethane		0.12	J	0.30	ppb v/v	TO-15
1,2-Dichloroethane		0.49	J	1.2	ug/m3	TO-15
n-Heptane		0.88		0.30	ppb v/v	TO-15
n-Heptane		3.6		1.2	ug/m3	TO-15
Toluene		5.2		0.30	ppb v/v	TO-15
Toluene		20		1.1	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.14	J	0.75	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.56	J	3.1	ug/m3	TO-15
Ethylbenzene		0.48		0.30	ppb v/v	TO-15
Ethylbenzene		2.1		1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		1.4		0.75	ppb v/v	TO-15
m,p-Xylene		6.2		3.3	ug/m3	TO-15
Xylene, o-		0.50		0.30	ppb v/v	TO-15
Xylene, o-		2.2		1.3	ug/m3	TO-15
Xylene (total)		1.9		0.30	ppb v/v	TO-15
Xylene (total)		8.3		1.3	ug/m3	TO-15
Styrene		0.28	J	0.30	ppb v/v	TO-15
Styrene		1.2	J	1.3	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.30	ppb v/v	TO-15
4-Ethyltoluene		0.53	J	1.5	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.10	J	0.30	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.51	J	1.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.36		0.30	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.8		1.5	ug/m3	TO-15
4-Isopropyltoluene		0.15	J	0.30	ppb v/v	TO-15
4-Isopropyltoluene		0.80	J	1.6	ug/m3	TO-15
Naphthalene		0.60	J Q	0.75	ppb v/v	TO-15
Naphthalene		3.1	J Q	3.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-9	**776IA1GA**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		3.9		0.50	ppb v/v	TO-15
Freon 22		14		1.8	ug/m3	TO-15
Chloromethane		0.72		0.50	ppb v/v	TO-15
Chloromethane		1.5		1.0	ug/m3	TO-15
n-Butane		3.7		0.50	ppb v/v	TO-15
n-Butane		8.9		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.075	J	0.20	ppb v/v	TO-15
Freon TF		0.57	J	1.5	ug/m3	TO-15
Acetone		29		5.0	ppb v/v	TO-15
Acetone		68		12	ug/m3	TO-15
Isopropyl alcohol		23		5.0	ppb v/v	TO-15
Isopropyl alcohol		57		12	ug/m3	TO-15
Carbon disulfide		0.21	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.64	J	1.6	ug/m3	TO-15
Methylene Chloride		0.49	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.7	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		1.8	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		5.4	J	15	ug/m3	TO-15
n-Hexane		0.56		0.20	ppb v/v	TO-15
n-Hexane		2.0		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		2.2		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		6.5		1.5	ug/m3	TO-15
Chloroform		0.051	J	0.20	ppb v/v	TO-15
Chloroform		0.25	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.30	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.90	J	15	ug/m3	TO-15
Cyclohexane		0.35		0.20	ppb v/v	TO-15
Cyclohexane		1.2		0.69	ug/m3	TO-15
Carbon tetrachloride		0.072	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.46	J M	1.3	ug/m3	TO-15
Benzene		0.13	J	0.20	ppb v/v	TO-15
Benzene		0.40	J	0.64	ug/m3	TO-15
n-Heptane		0.36		0.20	ppb v/v	TO-15
n-Heptane		1.5		0.82	ug/m3	TO-15
methyl isobutyl ketone		0.67		0.50	ppb v/v	TO-15
methyl isobutyl ketone		2.7		2.0	ug/m3	TO-15
Toluene		1.4		0.20	ppb v/v	TO-15
Toluene		5.3		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.29	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.2	J	2.0	ug/m3	TO-15
Ethylbenzene		0.26		0.20	ppb v/v	TO-15
Ethylbenzene		1.1		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.57		0.50	ppb v/v	TO-15
m,p-Xylene		2.5		2.2	ug/m3	TO-15
Xylene, o-		0.19	J	0.20	ppb v/v	TO-15
Xylene, o-		0.81	J	0.87	ug/m3	TO-15
Xylene (total)		0.75		0.20	ppb v/v	TO-15
Xylene (total)		3.3		0.87	ug/m3	TO-15
Styrene		0.44		0.20	ppb v/v	TO-15
Styrene		1.9		0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.11	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.55	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.061	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.33	J	1.1	ug/m3	TO-15
Naphthalene		0.42	J Q	0.50	ppb v/v	TO-15
Naphthalene		2.2	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-10	**786VMP0102AG**					
Dichlorodifluoromethane		0.48	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.24	J	0.50	ppb v/v	TO-15
Freon 22		0.86	J	1.8	ug/m3	TO-15
Chloromethane		0.11	J	0.50	ppb v/v	TO-15
Chloromethane		0.24	J	1.0	ug/m3	TO-15
n-Butane		0.18	J	0.50	ppb v/v	TO-15
n-Butane		0.43	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.081	J	0.20	ppb v/v	TO-15
Freon TF		0.62	J	1.5	ug/m3	TO-15
Acetone		3.3	J	5.0	ppb v/v	TO-15
Acetone		7.8	J	12	ug/m3	TO-15
Isopropyl alcohol		0.35	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.87	J	12	ug/m3	TO-15
Carbon disulfide		0.21	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.65	J	1.6	ug/m3	TO-15
Methylene Chloride		0.13	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.44	J M	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.45	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.3	J	1.5	ug/m3	TO-15
Chloroform		0.088	J	0.20	ppb v/v	TO-15
Chloroform		0.43	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.15	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.43	J	15	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.52	J	1.3	ug/m3	TO-15
Trichloroethene		4.5		0.20	ppb v/v	TO-15
Trichloroethene		24		1.1	ug/m3	TO-15
Toluene		0.40		0.20	ppb v/v	TO-15
Toluene		1.5		0.75	ug/m3	TO-15
Tetrachloroethene		0.22		0.20	ppb v/v	TO-15
Tetrachloroethene		1.5		1.4	ug/m3	TO-15
Ethylbenzene		0.077	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.34	J	0.87	ug/m3	TO-15
m,p-Xylene		0.24	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.0	J	2.2	ug/m3	TO-15
Xylene, o-		0.089	J	0.20	ppb v/v	TO-15
Xylene, o-		0.39	J	0.87	ug/m3	TO-15
Xylene (total)		0.33		0.20	ppb v/v	TO-15
Xylene (total)		1.4		0.87	ug/m3	TO-15
Styrene		0.047	J	0.20	ppb v/v	TO-15
Styrene		0.20	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.078	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.38	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-11	**786VMP0202AG**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.33	J	0.50	ppb v/v	TO-15
Freon 22		1.2	J	1.8	ug/m3	TO-15
Chloromethane		0.13	J	0.50	ppb v/v	TO-15
Chloromethane		0.27	J	1.0	ug/m3	TO-15
n-Butane		0.90		0.50	ppb v/v	TO-15
n-Butane		2.1		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.10	J	0.20	ppb v/v	TO-15
Freon TF		0.78	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		26		12	ug/m3	TO-15
Isopropyl alcohol		0.61	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.5	J	12	ug/m3	TO-15
Carbon disulfide		0.20	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.64	J	1.6	ug/m3	TO-15
Methylene Chloride		0.80		0.50	ppb v/v	TO-15
Methylene Chloride		2.8		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.37	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.1	J	15	ug/m3	TO-15
n-Hexane		0.22		0.20	ppb v/v	TO-15
n-Hexane		0.76		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.6		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.8		1.5	ug/m3	TO-15
Chloroform		6.3		0.20	ppb v/v	TO-15
Chloroform		31		0.98	ug/m3	TO-15
Tetrahydrofuran		0.23	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.67	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.39		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.1		1.1	ug/m3	TO-15
Cyclohexane		0.11	J	0.20	ppb v/v	TO-15
Cyclohexane		0.38	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.53	J	1.3	ug/m3	TO-15
Benzene		0.060	J	0.20	ppb v/v	TO-15
Benzene		0.19	J	0.64	ug/m3	TO-15
n-Heptane		0.092	J	0.20	ppb v/v	TO-15
n-Heptane		0.38	J	0.82	ug/m3	TO-15
Trichloroethene		21		0.20	ppb v/v	TO-15
Trichloroethene		110		1.1	ug/m3	TO-15
Bromodichloromethane		0.19	J	0.20	ppb v/v	TO-15
Bromodichloromethane		1.3	J	1.3	ug/m3	TO-15
methyl isobutyl ketone		0.18	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.74	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Toluene		1.2		0.20	ppb v/v	TO-15
Toluene		4.4		0.75	ug/m3	TO-15
Tetrachloroethene		0.12	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.82	J	1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.21	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.84	J	2.0	ug/m3	TO-15
Ethylbenzene		0.44		0.20	ppb v/v	TO-15
Ethylbenzene		1.9		0.87	ug/m3	TO-15
m,p-Xylene		1.7		0.50	ppb v/v	TO-15
m,p-Xylene		7.2		2.2	ug/m3	TO-15
Xylene, o-		0.38		0.20	ppb v/v	TO-15
Xylene, o-		1.6		0.87	ug/m3	TO-15
Xylene (total)		2.0		0.20	ppb v/v	TO-15
Xylene (total)		8.8		0.87	ug/m3	TO-15
Styrene		0.058	J	0.20	ppb v/v	TO-15
Styrene		0.25	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.072	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.36	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.068	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.33	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.24		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.2		0.98	ug/m3	TO-15
Naphthalene		0.10	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.53	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-12	**786VMP0302AG**					
Dichlorodifluoromethane		0.54	J	0.75	ppb v/v	TO-15
Dichlorodifluoromethane		2.7	J	3.7	ug/m3	TO-15
Freon 22		0.29	J	0.75	ppb v/v	TO-15
Freon 22		1.0	J	2.7	ug/m3	TO-15
Trichlorofluoromethane		0.25	J	0.30	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	1.7	ug/m3	TO-15
Freon TF		0.088	J M	0.30	ppb v/v	TO-15
Freon TF		0.67	J M	2.3	ug/m3	TO-15
Acetone		40		7.5	ppb v/v	TO-15
Acetone		94		18	ug/m3	TO-15
Isopropyl alcohol		1.1	J	7.5	ppb v/v	TO-15
Isopropyl alcohol		2.8	J	18	ug/m3	TO-15
Carbon disulfide		0.29	J	0.75	ppb v/v	TO-15
Carbon disulfide		0.91	J	2.3	ug/m3	TO-15
tert-Butyl alcohol		49		7.5	ppb v/v	TO-15
tert-Butyl alcohol		150		23	ug/m3	TO-15
Methyl Ethyl Ketone		12		0.75	ppb v/v	TO-15
Methyl Ethyl Ketone		35		2.2	ug/m3	TO-15
Chloroform		0.068	J	0.30	ppb v/v	TO-15
Chloroform		0.33	J	1.5	ug/m3	TO-15
Carbon tetrachloride		0.087	J M	0.30	ppb v/v	TO-15
Carbon tetrachloride		0.55	J M	1.9	ug/m3	TO-15
Benzene		0.32		0.30	ppb v/v	TO-15
Benzene		1.0		0.96	ug/m3	TO-15
n-Heptane		0.20	J	0.30	ppb v/v	TO-15
n-Heptane		0.83	J	1.2	ug/m3	TO-15
Trichloroethene		6.8		0.30	ppb v/v	TO-15
Trichloroethene		36		1.6	ug/m3	TO-15
methyl isobutyl ketone		0.33	J	0.75	ppb v/v	TO-15
methyl isobutyl ketone		1.3	J	3.1	ug/m3	TO-15
Toluene		0.71		0.30	ppb v/v	TO-15
Toluene		2.7		1.1	ug/m3	TO-15
Tetrachloroethene		0.67		0.30	ppb v/v	TO-15
Tetrachloroethene		4.6		2.0	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.9		0.75	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		7.6		3.1	ug/m3	TO-15
Ethylbenzene		0.078	J M	0.30	ppb v/v	TO-15
Ethylbenzene		0.34	J M	1.3	ug/m3	TO-15
m,p-Xylene		0.17	J	0.75	ppb v/v	TO-15
m,p-Xylene		0.75	J	3.3	ug/m3	TO-15
Xylene, o-		0.055	J	0.30	ppb v/v	TO-15
Xylene, o-		0.24	J	1.3	ug/m3	TO-15
Xylene (total)		0.23	J	0.30	ppb v/v	TO-15
Xylene (total)		0.99	J	1.3	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.084	J	0.75	ppb v/v	TO-15
1,2,4-Trichlorobenzene		0.62	J	5.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Naphthalene		0.17	J	0.75	ppb v/v	TO-15
Naphthalene		0.87	J	3.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-13	**774776CA01AG**					
Dichlorodifluoromethane		1.4		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		7.1		2.5	ug/m3	TO-15
Freon 22		27		0.50	ppb v/v	TO-15
Freon 22		94		1.8	ug/m3	TO-15
Chloromethane		0.34	J	0.50	ppb v/v	TO-15
Chloromethane		0.71	J	1.0	ug/m3	TO-15
n-Butane		0.73		0.50	ppb v/v	TO-15
n-Butane		1.7		1.2	ug/m3	TO-15
Trichlorofluoromethane		11		0.20	ppb v/v	TO-15
Trichlorofluoromethane		61		1.1	ug/m3	TO-15
Freon TF		0.11	J	0.20	ppb v/v	TO-15
Freon TF		0.82	J	1.5	ug/m3	TO-15
Acetone		9.5		5.0	ppb v/v	TO-15
Acetone		23		12	ug/m3	TO-15
Isopropyl alcohol		3.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		7.9	J	12	ug/m3	TO-15
Carbon disulfide		0.15	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.46	J	1.6	ug/m3	TO-15
Methylene Chloride		0.18	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.64	J	1.7	ug/m3	TO-15
n-Hexane		0.19	J	0.20	ppb v/v	TO-15
n-Hexane		0.66	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.84		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.5		1.5	ug/m3	TO-15
Chloroform		0.99		0.20	ppb v/v	TO-15
Chloroform		4.9		0.98	ug/m3	TO-15
Tetrahydrofuran		0.47	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.53		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.9		1.1	ug/m3	TO-15
Cyclohexane		0.10	J	0.20	ppb v/v	TO-15
Cyclohexane		0.36	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.086	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.54	J	1.3	ug/m3	TO-15
Benzene		0.092	J	0.20	ppb v/v	TO-15
Benzene		0.30	J	0.64	ug/m3	TO-15
n-Heptane		0.091	J	0.20	ppb v/v	TO-15
n-Heptane		0.37	J	0.82	ug/m3	TO-15
Trichloroethene		36		0.20	ppb v/v	TO-15
Trichloroethene		190		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.069	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.28	J	2.0	ug/m3	TO-15
Toluene		0.32		0.20	ppb v/v	TO-15
Toluene		1.2		0.75	ug/m3	TO-15
Tetrachloroethene		0.22		0.20	ppb v/v	TO-15
Tetrachloroethene		1.5		1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.087	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.38	J	0.87	ug/m3	TO-15
m,p-Xylene		0.23	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.99	J	2.2	ug/m3	TO-15
Xylene, o-		0.097	J	0.20	ppb v/v	TO-15
Xylene, o-		0.42	J	0.87	ug/m3	TO-15
Xylene (total)		0.33		0.20	ppb v/v	TO-15
Xylene (total)		1.4		0.87	ug/m3	TO-15
Styrene		0.034	J	0.20	ppb v/v	TO-15
Styrene		0.15	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.69	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.062	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.34	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.14	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.81	J	1.2	ug/m3	TO-15
Naphthalene		0.36	J Q	0.50	ppb v/v	TO-15
Naphthalene		1.9	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-14	**785786CA01AG**					
Dichlorodifluoromethane		0.46	J	0.75	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	3.7	ug/m3	TO-15
Chloromethane		0.22	J	0.75	ppb v/v	TO-15
Chloromethane		0.45	J	1.5	ug/m3	TO-15
n-Butane		5.4		0.75	ppb v/v	TO-15
n-Butane		13		1.8	ug/m3	TO-15
Trichlorofluoromethane		0.26	J	0.30	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	1.7	ug/m3	TO-15
Freon TF		0.081	J	0.30	ppb v/v	TO-15
Freon TF		0.62	J	2.3	ug/m3	TO-15
Acetone		24		7.5	ppb v/v	TO-15
Acetone		56		18	ug/m3	TO-15
Isopropyl alcohol		3.9	J	7.5	ppb v/v	TO-15
Isopropyl alcohol		9.6	J	18	ug/m3	TO-15
Carbon disulfide		0.23	J	0.75	ppb v/v	TO-15
Carbon disulfide		0.70	J	2.3	ug/m3	TO-15
Methylene Chloride		0.58	J	0.75	ppb v/v	TO-15
Methylene Chloride		2.0	J	2.6	ug/m3	TO-15
tert-Butyl alcohol		0.34	J	7.5	ppb v/v	TO-15
tert-Butyl alcohol		1.0	J	23	ug/m3	TO-15
n-Hexane		1.5		0.30	ppb v/v	TO-15
n-Hexane		5.4		1.1	ug/m3	TO-15
Methyl Ethyl Ketone		1.8		0.75	ppb v/v	TO-15
Methyl Ethyl Ketone		5.3		2.2	ug/m3	TO-15
cis-1,2-Dichloroethene		0.42		0.30	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.6		1.2	ug/m3	TO-15
1,2-Dichloroethene, Total		0.42		0.30	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.6		1.2	ug/m3	TO-15
Chloroform		0.57		0.30	ppb v/v	TO-15
Chloroform		2.8		1.5	ug/m3	TO-15
Tetrahydrofuran		0.89	J	7.5	ppb v/v	TO-15
Tetrahydrofuran		2.6	J	22	ug/m3	TO-15
Cyclohexane		1.3		0.30	ppb v/v	TO-15
Cyclohexane		4.4		1.0	ug/m3	TO-15
Carbon tetrachloride		0.069	J	0.30	ppb v/v	TO-15
Carbon tetrachloride		0.44	J	1.9	ug/m3	TO-15
2,2,4-Trimethylpentane		2.0		0.30	ppb v/v	TO-15
2,2,4-Trimethylpentane		9.5		1.4	ug/m3	TO-15
Benzene		0.16	J	0.30	ppb v/v	TO-15
Benzene		0.51	J	0.96	ug/m3	TO-15
n-Heptane		0.61		0.30	ppb v/v	TO-15
n-Heptane		2.5		1.2	ug/m3	TO-15
Trichloroethene		46		0.30	ppb v/v	TO-15
Trichloroethene		250		1.6	ug/m3	TO-15
Toluene		2.5		0.30	ppb v/v	TO-15
Toluene		9.5		1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Tetrachloroethene		3.2		0.30	ppb v/v	TO-15
Tetrachloroethene		22		2.0	ug/m3	TO-15
Ethylbenzene		0.25	J	0.30	ppb v/v	TO-15
Ethylbenzene		1.1	J	1.3	ug/m3	TO-15
m,p-Xylene		0.76		0.75	ppb v/v	TO-15
m,p-Xylene		3.3		3.3	ug/m3	TO-15
Xylene, o-		0.29	J	0.30	ppb v/v	TO-15
Xylene, o-		1.3	J	1.3	ug/m3	TO-15
Xylene (total)		1.1		0.30	ppb v/v	TO-15
Xylene (total)		4.6		1.3	ug/m3	TO-15
Styrene		0.11	J	0.30	ppb v/v	TO-15
Styrene		0.48	J	1.3	ug/m3	TO-15
4-Ethyltoluene		0.074	J	0.30	ppb v/v	TO-15
4-Ethyltoluene		0.36	J	1.5	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.13	J	0.30	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.65	J	1.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.29	J	0.30	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.4	J	1.5	ug/m3	TO-15
1,3-Dichlorobenzene		0.082	J	0.30	ppb v/v	TO-15
1,3-Dichlorobenzene		0.49	J	1.8	ug/m3	TO-15
Naphthalene		0.44	J Q	0.75	ppb v/v	TO-15
Naphthalene		2.3	J Q	3.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-15	**785IA08**					
Dichlorodifluoromethane		0.46	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		1.1		0.50	ppb v/v	TO-15
n-Butane		2.5		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.076	J	0.20	ppb v/v	TO-15
Freon TF		0.58	J	1.5	ug/m3	TO-15
Acetone		6.9		5.0	ppb v/v	TO-15
Acetone		16		12	ug/m3	TO-15
Isopropyl alcohol		0.34	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.84	J	12	ug/m3	TO-15
Methylene Chloride		0.15	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.51	J	1.7	ug/m3	TO-15
n-Hexane		0.21		0.20	ppb v/v	TO-15
n-Hexane		0.75		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.78		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.3		1.5	ug/m3	TO-15
Cyclohexane		0.044	J	0.20	ppb v/v	TO-15
Cyclohexane		0.15	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.070	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.44	J	1.3	ug/m3	TO-15
Benzene		0.11	J	0.20	ppb v/v	TO-15
Benzene		0.36	J	0.64	ug/m3	TO-15
n-Heptane		0.17	J	0.20	ppb v/v	TO-15
n-Heptane		0.70	J	0.82	ug/m3	TO-15
methyl isobutyl ketone		0.093	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.38	J	2.0	ug/m3	TO-15
Toluene		0.34		0.20	ppb v/v	TO-15
Toluene		1.3		0.75	ug/m3	TO-15
Ethylbenzene		0.050	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.22	J	0.87	ug/m3	TO-15
m,p-Xylene		0.15	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.65	J	2.2	ug/m3	TO-15
Xylene, o-		0.051	J	0.20	ppb v/v	TO-15
Xylene, o-		0.22	J	0.87	ug/m3	TO-15
Xylene (total)		0.20		0.20	ppb v/v	TO-15
Xylene (total)		0.88		0.87	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.075	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.37	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-16	**786IA07**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		0.36	J	0.50	ppb v/v	TO-15
Freon 22		1.3	J	1.8	ug/m3	TO-15
Chloromethane		0.62		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		3.3		0.50	ppb v/v	TO-15
n-Butane		7.8		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.080	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		19		5.0	ppb v/v	TO-15
Acetone		46		12	ug/m3	TO-15
Isopropyl alcohol		1.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		3.0	J	12	ug/m3	TO-15
Carbon disulfide		0.56		0.50	ppb v/v	TO-15
Carbon disulfide		1.8		1.6	ug/m3	TO-15
Methylene Chloride		0.30	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.0	J	1.7	ug/m3	TO-15
n-Hexane		0.42		0.20	ppb v/v	TO-15
n-Hexane		1.5		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.5		1.5	ug/m3	TO-15
Chloroform		0.038	J	0.20	ppb v/v	TO-15
Chloroform		0.19	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.51	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.5	J	15	ug/m3	TO-15
Cyclohexane		0.10	J	0.20	ppb v/v	TO-15
Cyclohexane		0.35	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.069	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.43	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.17	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.80	J	0.93	ug/m3	TO-15
Benzene		0.15	J	0.20	ppb v/v	TO-15
Benzene		0.47	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.11	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.44	J	0.81	ug/m3	TO-15
n-Heptane		0.22		0.20	ppb v/v	TO-15
n-Heptane		0.92		0.82	ug/m3	TO-15
methyl isobutyl ketone		0.17	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.71	J	2.0	ug/m3	TO-15
Toluene		1.9		0.20	ppb v/v	TO-15
Toluene		7.3		0.75	ug/m3	TO-15
Tetrachloroethene		0.050	J M	0.20	ppb v/v	TO-15
Tetrachloroethene		0.34	J M	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Methyl Butyl Ketone (2-Hexanone)		0.097	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.40	J	2.0	ug/m3	TO-15
Ethylbenzene		0.29		0.20	ppb v/v	TO-15
Ethylbenzene		1.3		0.87	ug/m3	TO-15
m,p-Xylene		0.89		0.50	ppb v/v	TO-15
m,p-Xylene		3.9		2.2	ug/m3	TO-15
Xylene, o-		0.24		0.20	ppb v/v	TO-15
Xylene, o-		1.0		0.87	ug/m3	TO-15
Xylene (total)		1.1		0.20	ppb v/v	TO-15
Xylene (total)		4.9		0.87	ug/m3	TO-15
Styrene		0.15	J	0.20	ppb v/v	TO-15
Styrene		0.62	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.12	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.59	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-17	**785786OA04**					
Dichlorodifluoromethane		0.64	J	1.0	ppb v/v	TO-15
Dichlorodifluoromethane		3.2	J	4.9	ug/m3	TO-15
Chloromethane		0.60	J	1.0	ppb v/v	TO-15
Chloromethane		1.2	J	2.1	ug/m3	TO-15
n-Butane		13		1.0	ppb v/v	TO-15
n-Butane		30		2.4	ug/m3	TO-15
Trichlorofluoromethane		0.25	J	0.40	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	2.2	ug/m3	TO-15
Freon TF		0.092	J	0.40	ppb v/v	TO-15
Freon TF		0.70	J	3.1	ug/m3	TO-15
Acetone		64		10	ppb v/v	TO-15
Acetone		150		24	ug/m3	TO-15
Isopropyl alcohol		4.6	J	10	ppb v/v	TO-15
Isopropyl alcohol		11	J	25	ug/m3	TO-15
Carbon disulfide		0.25	J	1.0	ppb v/v	TO-15
Carbon disulfide		0.78	J	3.1	ug/m3	TO-15
Methylene Chloride		0.68	J	1.0	ppb v/v	TO-15
Methylene Chloride		2.4	J	3.5	ug/m3	TO-15
tert-Butyl alcohol		0.60	J	10	ppb v/v	TO-15
tert-Butyl alcohol		1.8	J	30	ug/m3	TO-15
n-Hexane		1.3		0.40	ppb v/v	TO-15
n-Hexane		4.4		1.4	ug/m3	TO-15
Methyl Ethyl Ketone		2.9		1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		8.6		2.9	ug/m3	TO-15
Tetrahydrofuran		2.0	J	10	ppb v/v	TO-15
Tetrahydrofuran		5.9	J	29	ug/m3	TO-15
Cyclohexane		0.44		0.40	ppb v/v	TO-15
Cyclohexane		1.5		1.4	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J	0.40	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.56	J	1.9	ug/m3	TO-15
Benzene		0.25	J	0.40	ppb v/v	TO-15
Benzene		0.80	J	1.3	ug/m3	TO-15
1,2-Dichloroethane		0.64		0.40	ppb v/v	TO-15
1,2-Dichloroethane		2.6		1.6	ug/m3	TO-15
n-Heptane		0.66		0.40	ppb v/v	TO-15
n-Heptane		2.7		1.6	ug/m3	TO-15
Toluene		4.4		0.40	ppb v/v	TO-15
Toluene		17		1.5	ug/m3	TO-15
Tetrachloroethene		0.25	J	0.40	ppb v/v	TO-15
Tetrachloroethene		1.7	J	2.7	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.28	J	1.0	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.1	J	4.1	ug/m3	TO-15
Ethylbenzene		0.31	J	0.40	ppb v/v	TO-15
Ethylbenzene		1.4	J	1.7	ug/m3	TO-15
m,p-Xylene		0.88	J	1.0	ppb v/v	TO-15
m,p-Xylene		3.8	J	4.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.31	J	0.40	ppb v/v	TO-15
Xylene, o-		1.3	J	1.7	ug/m3	TO-15
Xylene (total)		1.2		0.40	ppb v/v	TO-15
Xylene (total)		5.1		1.7	ug/m3	TO-15
Styrene		0.17	J	0.40	ppb v/v	TO-15
Styrene		0.74	J	1.7	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.15	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.73	J	2.0	ug/m3	TO-15
Naphthalene		0.21	J	1.0	ppb v/v	TO-15
Naphthalene		1.1	J	5.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-18	**785VMP0202AH**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Chloromethane		18		0.50	ppb v/v	TO-15
Chloromethane		37		1.0	ug/m3	TO-15
n-Butane		2.6		0.50	ppb v/v	TO-15
n-Butane		6.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.077	J	0.20	ppb v/v	TO-15
Freon TF		0.59	J	1.5	ug/m3	TO-15
Acetone		4.9	J	5.0	ppb v/v	TO-15
Acetone		12	J	12	ug/m3	TO-15
Isopropyl alcohol		5.1		5.0	ppb v/v	TO-15
Isopropyl alcohol		13		12	ug/m3	TO-15
Carbon disulfide		0.28	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.86	J	1.6	ug/m3	TO-15
Methylene Chloride		0.70		0.50	ppb v/v	TO-15
Methylene Chloride		2.4		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.59	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.8	J	15	ug/m3	TO-15
n-Hexane		0.38		0.20	ppb v/v	TO-15
n-Hexane		1.3		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.3		1.5	ug/m3	TO-15
Tetrahydrofuran		30		5.0	ppb v/v	TO-15
Tetrahydrofuran		87		15	ug/m3	TO-15
Carbon tetrachloride		0.074	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.46	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.32		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.5		0.93	ug/m3	TO-15
n-Heptane		0.93		0.20	ppb v/v	TO-15
n-Heptane		3.8		0.82	ug/m3	TO-15
Trichloroethene		1.7		0.20	ppb v/v	TO-15
Trichloroethene		9.1		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.26	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.0	J	2.0	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		3.8		0.75	ug/m3	TO-15
Tetrachloroethene		0.11	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.73	J	1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.11	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.47	J	2.0	ug/m3	TO-15
Ethylbenzene		0.28		0.20	ppb v/v	TO-15
Ethylbenzene		1.2		0.87	ug/m3	TO-15
m,p-Xylene		1.0		0.50	ppb v/v	TO-15
m,p-Xylene		4.5		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.36		0.20	ppb v/v	TO-15
Xylene, o-		1.6		0.87	ug/m3	TO-15
Xylene (total)		1.4		0.20	ppb v/v	TO-15
Xylene (total)		6.0		0.87	ug/m3	TO-15
Styrene		0.11	J	0.20	ppb v/v	TO-15
Styrene		0.46	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.14	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.68	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.25		0.20	ppb v/v	TO-15
4-Ethyltoluene		1.2		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.21		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.0		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.74		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		3.7		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.060	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.33	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.50		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		3.0		1.2	ug/m3	TO-15
Naphthalene		0.42	J Q	0.50	ppb v/v	TO-15
Naphthalene		2.2	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-19	**785VMP0401AG**					
Dichlorodifluoromethane		0.54		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Chloromethane		0.14	J	0.50	ppb v/v	TO-15
Chloromethane		0.30	J	1.0	ug/m3	TO-15
n-Butane		1.6		0.50	ppb v/v	TO-15
n-Butane		3.8		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.090	J	0.20	ppb v/v	TO-15
Freon TF		0.69	J	1.5	ug/m3	TO-15
Acetone		19		5.0	ppb v/v	TO-15
Acetone		44		12	ug/m3	TO-15
Isopropyl alcohol		6.1		5.0	ppb v/v	TO-15
Isopropyl alcohol		15		12	ug/m3	TO-15
Carbon disulfide		3.8		0.50	ppb v/v	TO-15
Carbon disulfide		12		1.6	ug/m3	TO-15
Methylene Chloride		0.24	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.82	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.58	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.8	J	15	ug/m3	TO-15
n-Hexane		0.40		0.20	ppb v/v	TO-15
n-Hexane		1.4		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		3.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		10		1.5	ug/m3	TO-15
Chloroform		0.096	J	0.20	ppb v/v	TO-15
Chloroform		0.47	J	0.98	ug/m3	TO-15
Tetrahydrofuran		1.2	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		3.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.073	J M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.40	J M	1.1	ug/m3	TO-15
Cyclohexane		0.60		0.20	ppb v/v	TO-15
Cyclohexane		2.1		0.69	ug/m3	TO-15
Carbon tetrachloride		0.075	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.47	J	1.3	ug/m3	TO-15
Benzene		0.18	J	0.20	ppb v/v	TO-15
Benzene		0.57	J	0.64	ug/m3	TO-15
n-Heptane		0.26		0.20	ppb v/v	TO-15
n-Heptane		1.1		0.82	ug/m3	TO-15
Trichloroethene		7.2		0.20	ppb v/v	TO-15
Trichloroethene		39		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.31	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.3	J	2.0	ug/m3	TO-15
Toluene		1.6		0.20	ppb v/v	TO-15
Toluene		5.9		0.75	ug/m3	TO-15
Tetrachloroethene		0.17	J	0.20	ppb v/v	TO-15
Tetrachloroethene		1.2	J	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Methyl Butyl Ketone (2-Hexanone)		0.23	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.94	J	2.0	ug/m3	TO-15
Ethylbenzene		0.91		0.20	ppb v/v	TO-15
Ethylbenzene		3.9		0.87	ug/m3	TO-15
m,p-Xylene		0.79		0.50	ppb v/v	TO-15
m,p-Xylene		3.4		2.2	ug/m3	TO-15
Xylene, o-		0.40		0.20	ppb v/v	TO-15
Xylene, o-		1.7		0.87	ug/m3	TO-15
Xylene (total)		1.2		0.20	ppb v/v	TO-15
Xylene (total)		5.2		0.87	ug/m3	TO-15
Styrene		0.070	J	0.20	ppb v/v	TO-15
Styrene		0.30	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.30		0.20	ppb v/v	TO-15
n-Propylbenzene		1.5		0.98	ug/m3	TO-15
4-Ethyltoluene		0.74		0.20	ppb v/v	TO-15
4-Ethyltoluene		3.6		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.80		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		3.9		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		3.0		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		15		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.29		0.20	ppb v/v	TO-15
4-Isopropyltoluene		1.6		1.1	ug/m3	TO-15
Naphthalene		0.13	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.68	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-20	**785VMP0501AD**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Chloromethane		0.47	J	0.50	ppb v/v	TO-15
Chloromethane		0.97	J	1.0	ug/m3	TO-15
n-Butane		1.8		0.50	ppb v/v	TO-15
n-Butane		4.4		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.27		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.5		1.1	ug/m3	TO-15
Freon TF		0.076	J	0.20	ppb v/v	TO-15
Freon TF		0.58	J	1.5	ug/m3	TO-15
Acetone		8.5		5.0	ppb v/v	TO-15
Acetone		20		12	ug/m3	TO-15
Isopropyl alcohol		0.86	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		2.1	J	12	ug/m3	TO-15
Carbon disulfide		0.87		0.50	ppb v/v	TO-15
Carbon disulfide		2.7		1.6	ug/m3	TO-15
Methylene Chloride		0.17	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.59	J M	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.32	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.96	J	15	ug/m3	TO-15
n-Hexane		0.36		0.20	ppb v/v	TO-15
n-Hexane		1.3		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.3		1.5	ug/m3	TO-15
Tetrahydrofuran		0.14	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.41	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.14	J M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.74	J M	1.1	ug/m3	TO-15
Cyclohexane		0.22		0.20	ppb v/v	TO-15
Cyclohexane		0.76		0.69	ug/m3	TO-15
Carbon tetrachloride		0.072	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.20		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.92		0.93	ug/m3	TO-15
Benzene		0.16	J M	0.20	ppb v/v	TO-15
Benzene		0.50	J M	0.64	ug/m3	TO-15
n-Heptane		0.33		0.20	ppb v/v	TO-15
n-Heptane		1.4		0.82	ug/m3	TO-15
Trichloroethene		3.7		0.20	ppb v/v	TO-15
Trichloroethene		20		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.12	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.49	J	2.0	ug/m3	TO-15
Toluene		0.98		0.20	ppb v/v	TO-15
Toluene		3.7		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.21	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.86	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.86		0.20	ppb v/v	TO-15
Ethylbenzene		3.8		0.87	ug/m3	TO-15
m,p-Xylene		3.1		0.50	ppb v/v	TO-15
m,p-Xylene		14		2.2	ug/m3	TO-15
Xylene, o-		1.1		0.20	ppb v/v	TO-15
Xylene, o-		4.7		0.87	ug/m3	TO-15
Xylene (total)		4.2		0.20	ppb v/v	TO-15
Xylene (total)		18		0.87	ug/m3	TO-15
Styrene		0.15	J	0.20	ppb v/v	TO-15
Styrene		0.64	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.69	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.12	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.64	J	1.1	ug/m3	TO-15
Naphthalene		0.088	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.46	J Q	2.6	ug/m3	TO-15
280-32071-21TB	**TRIP BLANK**					
Chloromethane		0.13	J	0.50	ppb v/v	TO-15
Chloromethane		0.26	J	1.0	ug/m3	TO-15
n-Butane		0.23	J	0.50	ppb v/v	TO-15
n-Butane		0.54	J	1.2	ug/m3	TO-15
Acetone		2.7	J	5.0	ppb v/v	TO-15
Acetone		6.5	J	12	ug/m3	TO-15
Isopropyl alcohol		1.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		3.0	J	12	ug/m3	TO-15
Carbon disulfide		0.067	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.21	J	1.6	ug/m3	TO-15
Methyl Ethyl Ketone		0.83		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.4		1.5	ug/m3	TO-15
Tetrahydrofuran		0.21	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.61	J	15	ug/m3	TO-15
Toluene		0.098	J	0.20	ppb v/v	TO-15
Toluene		0.37	J	0.75	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-32071-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.020	0.50
Freon 22	23		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.54		0.034	0.50
n-Butane	0.61		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.41		0.021	0.20
Freon TF	0.082	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	13		0.40	5.0
Isopropyl alcohol	8.8		0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.21	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.33		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.1		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.077	J M	0.024	0.20
Tetrahydrofuran	0.74	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.67		0.019	0.20
Carbon tetrachloride	0.079	J	0.013	0.20
2,2,4-Trimethylpentane	0.47		0.015	0.20
Benzene	0.14	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.17	J	0.017	0.20
Trichloroethene	0.19	J	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.28	J	0.034	0.50
Toluene	1.1		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.10	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.22		0.015	0.20
m,p-Xylene	0.72		0.022	0.50
Xylene, o-	0.28		0.016	0.20
Xylene (total)	1.0		0.016	0.20
Styrene	0.11	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.073	J	0.013	0.20
4-Ethyltoluene	0.11	J	0.015	0.20
1,3,5-Trimethylbenzene	0.095	J	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.37		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.051	J	0.020	0.20
1,3-Dichlorobenzene	0.067	J	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.11	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8		0.099	2.5
Freon 22	83		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.1		0.070	1.0
n-Butane	1.4		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	2.3		0.12	1.1
Freon TF	0.63	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	30		0.95	12
Isopropyl alcohol	22		0.19	12
Carbon disulfide	0.25	U	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.72	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.2		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.2		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.38	J M	0.12	0.98
Tetrahydrofuran	2.2	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.3		0.065	0.69
Carbon tetrachloride	0.50	J	0.082	1.3
2,2,4-Trimethylpentane	2.2		0.070	0.93
Benzene	0.44	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.68	J	0.070	0.82
Trichloroethene	1.0	J	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.1	J	0.14	2.0
Toluene	4.2		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.43	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.95		0.065	0.87
m,p-Xylene	3.1		0.096	2.2
Xylene, o-	1.2		0.069	0.87
Xylene (total)	4.4		0.069	0.87
Styrene	0.48	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.36	J	0.064	0.98
4-Ethyltoluene	0.56	J	0.074	0.98
1,3,5-Trimethylbenzene	0.47	J	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	1.8		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.28	J	0.11	1.1
1,3-Dichlorobenzene	0.40	J	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.60	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	38		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.37	J	0.034	0.50
n-Butane	0.49	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.67		0.021	0.20
Freon TF	0.080	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	18		0.40	5.0
Isopropyl alcohol	12		0.076	5.0
Carbon disulfide	0.37	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.17	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.22		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.1		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.14	J	0.024	0.20
Tetrahydrofuran	0.49	J	0.029	5.0
1,1,1-Trichloroethane	0.47		0.020	0.20
Cyclohexane	0.52		0.019	0.20
Carbon tetrachloride	0.093	J M	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.16	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.21		0.017	0.20
Trichloroethene	3.8		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.33	J	0.034	0.50
Toluene	1.0		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.22		0.015	0.20
m,p-Xylene	0.71		0.022	0.50
Xylene, o-	0.26		0.016	0.20
Xylene (total)	0.97		0.016	0.20
Styrene	0.10	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.063	J	0.013	0.20
4-Ethyltoluene	0.11	J	0.015	0.20
1,3,5-Trimethylbenzene	0.088	J	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.35		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.062	J	0.020	0.20
1,3-Dichlorobenzene	0.062	J	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.37	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	130		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.77	J	0.070	1.0
n-Butane	1.2	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	3.8		0.12	1.1
Freon TF	0.61	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	43		0.95	12
Isopropyl alcohol	30		0.19	12
Carbon disulfide	1.2	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.59	J M	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.77		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.4		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.69	J	0.12	0.98
Tetrahydrofuran	1.4	J	0.086	15
1,1,1-Trichloroethane	2.6		0.11	1.1
Cyclohexane	1.8		0.065	0.69
Carbon tetrachloride	0.59	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.53	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.88		0.070	0.82
Trichloroethene	20		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.3	J	0.14	2.0
Toluene	3.9		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.94		0.065	0.87
m,p-Xylene	3.1		0.096	2.2
Xylene, o-	1.1		0.069	0.87
Xylene (total)	4.2		0.069	0.87
Styrene	0.44	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.31	J	0.064	0.98
4-Ethyltoluene	0.52	J	0.074	0.98
1,3,5-Trimethylbenzene	0.43	J	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	1.7		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	0.37	J	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.9	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	7.4		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.21	J	0.034	0.50
n-Butane	1.1		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	2.7		0.021	0.20
Freon TF	0.066	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	11		0.40	5.0
Isopropyl alcohol	1.7	J	0.076	5.0
Carbon disulfide	0.10	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.61		0.023	0.50
tert-Butyl alcohol	0.42	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.44		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.3		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.045	J	0.024	0.20
Tetrahydrofuran	0.45	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.24		0.019	0.20
Carbon tetrachloride	0.040	U	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.12	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.18	J	0.017	0.20
Trichloroethene	0.19	J	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.091	J	0.034	0.50
Toluene	1.0		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.10	J	0.015	0.20
m,p-Xylene	0.28	J	0.022	0.50
Xylene, o-	0.088	J	0.016	0.20
Xylene (total)	0.37		0.016	0.20
Styrene	0.073	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.071	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.049	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.13	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	26		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.43	J	0.070	1.0
n-Butane	2.7		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	15		0.12	1.1
Freon TF	0.51	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	25		0.95	12
Isopropyl alcohol	4.2	J	0.19	12
Carbon disulfide	0.32	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	2.1		0.080	1.7
tert-Butyl alcohol	1.3	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.6		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.8		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.22	J	0.12	0.98
Tetrahydrofuran	1.3	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.83		0.065	0.69
Carbon tetrachloride	0.25	U	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.38	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.72	J	0.070	0.82
Trichloroethene	1.0	J	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.37	J	0.14	2.0
Toluene	4.0		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.81	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.45	J	0.065	0.87
m,p-Xylene	1.2	J	0.096	2.2
Xylene, o-	0.38	J	0.069	0.87
Xylene (total)	1.6		0.069	0.87
Styrene	0.31	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.35	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.27	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.68	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	3.8		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.61		0.034	0.50
n-Butane	1.2		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.084	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	24		0.40	5.0
Isopropyl alcohol	19		0.076	5.0
Carbon disulfide	3.1		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.15	J	0.023	0.50
tert-Butyl alcohol	0.65	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	4.3		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.24	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.84		0.019	0.20
Carbon tetrachloride	0.13	J M	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.13	J	0.018	0.20
1,2-Dichloroethane	0.080	J	0.018	0.20
n-Heptane	0.092	J	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.75		0.034	0.50
Toluene	0.40		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.33	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.21		0.015	0.20
m,p-Xylene	0.43	J	0.022	0.50
Xylene, o-	0.15	J	0.016	0.20
Xylene (total)	0.58		0.016	0.20
Styrene	0.24		0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.093	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.060	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.61	Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	13		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.3		0.070	1.0
n-Butane	2.8		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.65	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	57		0.95	12
Isopropyl alcohol	46		0.19	12
Carbon disulfide	9.5		0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.52	J	0.080	1.7
tert-Butyl alcohol	2.0	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	13		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.72	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.9		0.065	0.69
Carbon tetrachloride	0.83	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.43	J	0.058	0.64
1,2-Dichloroethane	0.32	J	0.073	0.81
n-Heptane	0.38	J	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	3.1		0.14	2.0
Toluene	1.5		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	1.4	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.92		0.065	0.87
m,p-Xylene	1.8	J	0.096	2.2
Xylene, o-	0.65	J	0.069	0.87
Xylene (total)	2.5		0.069	0.87
Styrene	1.0		0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.46	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.33	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	3.2	Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	3.8		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.67		0.034	0.50
n-Butane	1.4		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.088	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	18		0.40	5.0
Isopropyl alcohol	16		0.076	5.0
Carbon disulfide	0.13	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.27	J	0.023	0.50
tert-Butyl alcohol	0.42	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.12	J	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.4		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.045	J	0.024	0.20
Tetrahydrofuran	0.39	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.61		0.019	0.20
Carbon tetrachloride	0.11	J M	0.013	0.20
2,2,4-Trimethylpentane	0.12	J	0.015	0.20
Benzene	0.14	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.10	J	0.017	0.20
Trichloroethene	0.26		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.47	J	0.034	0.50
Toluene	0.46		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.25	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.25		0.015	0.20
m,p-Xylene	0.55		0.022	0.50
Xylene, o-	0.19	J	0.016	0.20
Xylene (total)	0.73		0.016	0.20
Styrene	0.41		0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.092	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.075	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.36	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	14		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.4		0.070	1.0
n-Butane	3.3		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.67	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	43		0.95	12
Isopropyl alcohol	40		0.19	12
Carbon disulfide	0.41	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.92	J	0.080	1.7
tert-Butyl alcohol	1.3	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.43	J	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.3		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.22	J	0.12	0.98
Tetrahydrofuran	1.1	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.1		0.065	0.69
Carbon tetrachloride	0.70	J M	0.082	1.3
2,2,4-Trimethylpentane	0.56	J	0.070	0.93
Benzene	0.43	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.43	J	0.070	0.82
Trichloroethene	1.4		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.9	J	0.14	2.0
Toluene	1.7		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	1.0	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.1		0.065	0.87
m,p-Xylene	2.4		0.096	2.2
Xylene, o-	0.82	J	0.069	0.87
Xylene (total)	3.2		0.069	0.87
Styrene	1.8		0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.45	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.41	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.9	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50		0.020	0.50
Freon 22	4.1		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.61		0.034	0.50
n-Butane	6.7		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.25		0.021	0.20
Freon TF	0.079	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	21		0.40	5.0
Isopropyl alcohol	11		0.076	5.0
Carbon disulfide	0.14	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.29	J	0.023	0.50
tert-Butyl alcohol	0.46	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.26		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	2.4		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.18	J	0.024	0.20
Tetrahydrofuran	0.84	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.82		0.019	0.20
Carbon tetrachloride	0.095	J M	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.099	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.11	J	0.017	0.20
Trichloroethene	2.2		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.76		0.034	0.50
Toluene	0.48		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.19	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.047	J	0.013	0.20
Ethylbenzene	0.17	J	0.015	0.20
m,p-Xylene	0.40	J	0.022	0.50
Xylene, o-	0.13	J	0.016	0.20
Xylene (total)	0.53		0.016	0.20
Styrene	0.19	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.11	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.073	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.31	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	15		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.3		0.070	1.0
n-Butane	16		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.61	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	50		0.95	12
Isopropyl alcohol	28		0.19	12
Carbon disulfide	0.44	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.99	J	0.080	1.7
tert-Butyl alcohol	1.4	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.91		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	7.0		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.87	J	0.12	0.98
Tetrahydrofuran	2.5	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.8		0.065	0.69
Carbon tetrachloride	0.60	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.32	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.45	J	0.070	0.82
Trichloroethene	12		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	3.1		0.14	2.0
Toluene	1.8		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.78	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.22	J	0.060	0.92
Ethylbenzene	0.72	J	0.065	0.87
m,p-Xylene	1.7	J	0.096	2.2
Xylene, o-	0.58	J	0.069	0.87
Xylene (total)	2.3		0.069	0.87
Styrene	0.79	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.52	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.40	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.6	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.020	0.50
Freon 22	11		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.56		0.034	0.50
n-Butane	0.14	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.88		0.021	0.20
Freon TF	0.074	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	13		0.40	5.0
Isopropyl alcohol	3.4	J	0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.13	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.75		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.058	J	0.024	0.20
Tetrahydrofuran	0.080	U	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.072	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	0.065	J	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.090	J	0.034	0.50
Toluene	0.13	J	0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.15	J M	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.040	U	0.015	0.20
m,p-Xylene	0.040	U	0.022	0.50
Xylene, o-	0.040	U	0.016	0.20
Xylene (total)	0.040	U	0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.080	U	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	40		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.2		0.070	1.0
n-Butane	0.32	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	5.0		0.12	1.1
Freon TF	0.56	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	32		0.95	12
Isopropyl alcohol	8.3	J	0.19	12
Carbon disulfide	0.25	U	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.45	J M	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.2		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.28	J	0.12	0.98
Tetrahydrofuran	0.24	U	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.45	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	0.35	J	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.37	J	0.14	2.0
Toluene	0.47	J	0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.62	J M	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.17	U	0.065	0.87
m,p-Xylene	0.17	U	0.096	2.2
Xylene, o-	0.17	U	0.069	0.87
Xylene (total)	0.17	U	0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.39	U	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.68	J	0.030	0.75
Freon 22	0.59	J	0.035	0.75
1,2-Dichlorotetrafluoroethane	0.12	U	0.030	0.30
Chloromethane	0.68	J	0.051	0.75
n-Butane	9.9		0.033	0.75
Vinyl chloride	0.042	U	0.014	0.30
1,3-Butadiene	0.12	U	0.038	0.30
Bromomethane	0.12	U	0.041	0.30
Chloroethane	0.12	U	0.050	0.75
Bromoethene(Vinyl Bromide)	0.060	U	0.029	0.30
Trichlorofluoromethane	0.25	J	0.032	0.30
Freon TF	0.080	J	0.030	0.30
1,1-Dichloroethene	0.30	U	0.13	0.30
Acetone	41		0.60	7.5
Isopropyl alcohol	5.8	J	0.11	7.5
Carbon disulfide	0.74	J	0.030	0.75
3-Chloropropene	0.12	U	0.071	0.75
Methylene Chloride	0.57	J	0.035	0.75
tert-Butyl alcohol	0.40	J	0.062	7.5
Methyl tert-butyl ether	0.060	U	0.023	0.30
trans-1,2-Dichloroethene	0.12	U	0.035	0.30
n-Hexane	2.3		0.030	0.30
1,1-Dichloroethane	0.12	U	0.035	0.30
Methyl Ethyl Ketone	2.3		0.038	0.75
cis-1,2-Dichloroethene	0.30	U	0.13	0.30
1,2-Dichloroethene, Total	0.12	U	0.035	0.30
Chloroform	0.12	U	0.036	0.30
Tetrahydrofuran	2.8	J	0.044	7.5
1,1,1-Trichloroethane	0.12	U	0.030	0.30
Cyclohexane	1.5		0.029	0.30
Carbon tetrachloride	0.079	J	0.020	0.30
2,2,4-Trimethylpentane	0.20	J	0.023	0.30
Benzene	0.29	J	0.027	0.30
1,2-Dichloroethane	0.12	J	0.027	0.30
n-Heptane	0.88		0.026	0.30
Trichloroethene	0.042	U	0.014	0.30
Methyl methacrylate	0.060	U	0.024	0.75
1,2-Dichloropropane	0.12	U	0.035	0.30
1,4-Dioxane	0.30	U	0.11	7.5
Bromodichloromethane	0.060	U	0.018	0.30
cis-1,3-Dichloropropene	0.060	U	0.020	0.30
methyl isobutyl ketone	0.12	U	0.051	0.75
Toluene	5.2		0.021	0.30
trans-1,3-Dichloropropene	0.060	U	0.023	0.30
1,1,2-Trichloroethane	0.060	U	0.024	0.30
Tetrachloroethene	0.060	U	0.023	0.30

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.14	J	0.060	0.75
Dibromochloromethane	0.060	U	0.017	0.30
1,2-Dibromoethane	0.060	U	0.021	0.30
Chlorobenzene	0.060	U	0.020	0.30
Ethylbenzene	0.48		0.023	0.30
m,p-Xylene	1.4		0.033	0.75
Xylene, o-	0.50		0.024	0.30
Xylene (total)	1.9		0.024	0.30
Styrene	0.28	J	0.017	0.30
Bromoform	0.042	U	0.011	0.30
Cumene	0.060	U	0.017	0.30
1,1,2,2-Tetrachloroethane	0.060	U	0.017	0.30
n-Propylbenzene	0.060	U	0.020	0.30
4-Ethyltoluene	0.11	J	0.023	0.30
1,3,5-Trimethylbenzene	0.10	J	0.029	0.30
2-Chlorotoluene	0.060	U	0.020	0.30
tert-Butylbenzene	0.060	U	0.017	0.30
1,2,4-Trimethylbenzene	0.36		0.032	0.30
sec-Butylbenzene	0.060	U	0.023	0.30
4-Isopropyltoluene	0.15	J	0.030	0.30
1,3-Dichlorobenzene	0.060	U	0.029	0.30
1,4-Dichlorobenzene	0.060	U	0.027	0.30
Benzyl chloride	0.12	U	0.033	0.30
n-Butylbenzene	0.12	U	0.033	0.30
1,2-Dichlorobenzene	0.12	U	0.039	0.30
1,2,4-Trichlorobenzene	0.12	U	0.045	0.75
Hexachlorobutadiene	0.12	U	0.044	0.30
Naphthalene	0.60	J Q	0.057	0.75

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.4	J	0.15	3.7
Freon 22	2.1	J	0.12	2.7
1,2-Dichlorotetrafluoroethane	0.84	U	0.21	2.1
Chloromethane	1.4	J	0.11	1.5
n-Butane	24		0.078	1.8
Vinyl chloride	0.11	U	0.035	0.77
1,3-Butadiene	0.27	U	0.083	0.66
Bromomethane	0.47	U	0.16	1.2
Chloroethane	0.32	U	0.13	2.0
Bromoethene(Vinyl Bromide)	0.26	U	0.12	1.3
Trichlorofluoromethane	1.4	J	0.18	1.7
Freon TF	0.61	J	0.23	2.3
1,1-Dichloroethene	1.2	U	0.51	1.2
Acetone	97		1.4	18
Isopropyl alcohol	14	J	0.28	18
Carbon disulfide	2.3	J	0.093	2.3

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.38	U	0.22	2.3
Methylene Chloride	2.0	J	0.12	2.6
tert-Butyl alcohol	1.2	J	0.19	23
Methyl tert-butyl ether	0.22	U	0.081	1.1
trans-1,2-Dichloroethene	0.48	U	0.14	1.2
n-Hexane	8.2		0.11	1.1
1,1-Dichloroethane	0.49	U	0.14	1.2
Methyl Ethyl Ketone	6.7		0.11	2.2
cis-1,2-Dichloroethene	1.2	U	0.50	1.2
1,2-Dichloroethene, Total	0.48	U	0.14	1.2
Chloroform	0.59	U	0.18	1.5
Tetrahydrofuran	8.2	J	0.13	22
1,1,1-Trichloroethane	0.65	U	0.16	1.6
Cyclohexane	5.1		0.098	1.0
Carbon tetrachloride	0.50	J	0.12	1.9
2,2,4-Trimethylpentane	0.94	J	0.11	1.4
Benzene	0.92	J	0.086	0.96
1,2-Dichloroethane	0.49	J	0.11	1.2
n-Heptane	3.6		0.10	1.2
Trichloroethene	0.23	U	0.074	1.6
Methyl methacrylate	0.25	U	0.098	3.1
1,2-Dichloropropane	0.55	U	0.16	1.4
1,4-Dioxane	1.1	U	0.38	27
Bromodichloromethane	0.40	U	0.12	2.0
cis-1,3-Dichloropropene	0.27	U	0.089	1.4
methyl isobutyl ketone	0.49	U	0.21	3.1
Toluene	20		0.079	1.1
trans-1,3-Dichloropropene	0.27	U	0.10	1.4
1,1,2-Trichloroethane	0.33	U	0.13	1.6
Tetrachloroethene	0.41	U	0.15	2.0
Methyl Butyl Ketone (2-Hexanone)	0.56	J	0.25	3.1
Dibromochloromethane	0.51	U	0.14	2.6
1,2-Dibromoethane	0.46	U	0.16	2.3
Chlorobenzene	0.28	U	0.090	1.4
Ethylbenzene	2.1		0.098	1.3
m,p-Xylene	6.2		0.14	3.3
Xylene, o-	2.2		0.10	1.3
Xylene (total)	8.3		0.10	1.3
Styrene	1.2	J	0.070	1.3
Bromoform	0.43	U	0.11	3.1
Cumene	0.29	U	0.081	1.5
1,1,2,2-Tetrachloroethane	0.41	U	0.11	2.1
n-Propylbenzene	0.29	U	0.096	1.5
4-Ethyltoluene	0.53	J	0.11	1.5
1,3,5-Trimethylbenzene	0.51	J	0.14	1.5
2-Chlorotoluene	0.31	U	0.10	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.091	1.6
1,2,4-Trimethylbenzene	1.8		0.15	1.5
sec-Butylbenzene	0.33	U	0.12	1.6
4-Isopropyltoluene	0.80	J	0.16	1.6
1,3-Dichlorobenzene	0.36	U	0.17	1.8
1,4-Dichlorobenzene	0.36	U	0.16	1.8
Benzyl chloride	0.62	U	0.17	1.6
n-Butylbenzene	0.66	U	0.18	1.6
1,2-Dichlorobenzene	0.72	U	0.23	1.8
1,2,4-Trichlorobenzene	0.89	U	0.33	5.6
Hexachlorobutadiene	1.3	U	0.46	3.2
Naphthalene	3.1	J Q	0.30	3.9

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	3.9		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.72		0.034	0.50
n-Butane	3.7		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.075	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	29		0.40	5.0
Isopropyl alcohol	23		0.076	5.0
Carbon disulfide	0.21	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.49	J	0.023	0.50
tert-Butyl alcohol	1.8	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.56		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	2.2		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.051	J	0.024	0.20
Tetrahydrofuran	0.30	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.35		0.019	0.20
Carbon tetrachloride	0.072	J M	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.13	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.36		0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.67		0.034	0.50
Toluene	1.4		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.29	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.26		0.015	0.20
m,p-Xylene	0.57		0.022	0.50
Xylene, o-	0.19	J	0.016	0.20
Xylene (total)	0.75		0.016	0.20
Styrene	0.44		0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.11	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.061	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.42	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	14		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.5		0.070	1.0
n-Butane	8.9		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.57	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	68		0.95	12
Isopropyl alcohol	57		0.19	12
Carbon disulfide	0.64	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	1.7	J	0.080	1.7
tert-Butyl alcohol	5.4	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	2.0		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	6.5		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.25	J	0.12	0.98
Tetrahydrofuran	0.90	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	1.2		0.065	0.69
Carbon tetrachloride	0.46	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.40	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	1.5		0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	2.7		0.14	2.0
Toluene	5.3		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	1.2	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.1		0.065	0.87
m,p-Xylene	2.5		0.096	2.2
Xylene, o-	0.81	J	0.069	0.87
Xylene (total)	3.3		0.069	0.87
Styrene	1.9		0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.55	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.33	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	2.2	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.020	0.50
Freon 22	0.24	J	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.11	J	0.034	0.50
n-Butane	0.18	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.081	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	3.3	J	0.40	5.0
Isopropyl alcohol	0.35	J	0.076	5.0
Carbon disulfide	0.21	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.13	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.45	J	0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.088	J	0.024	0.20
Tetrahydrofuran	0.15	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.083	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	4.5		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.080	U	0.034	0.50
Toluene	0.40		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.22		0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.077	J	0.015	0.20
m,p-Xylene	0.24	J	0.022	0.50
Xylene, o-	0.089	J	0.016	0.20
Xylene (total)	0.33		0.016	0.20
Styrene	0.047	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.078	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	0.86	J	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.24	J	0.070	1.0
n-Butane	0.43	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.62	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	7.8	J	0.95	12
Isopropyl alcohol	0.87	J	0.19	12
Carbon disulfide	0.65	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.44	J M	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	1.3	J	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.43	J	0.12	0.98
Tetrahydrofuran	0.43	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.52	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	24		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.33	U	0.14	2.0
Toluene	1.5		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	1.5		0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.34	J	0.065	0.87
m,p-Xylene	1.0	J	0.096	2.2
Xylene, o-	0.39	J	0.069	0.87
Xylene (total)	1.4		0.069	0.87
Styrene	0.20	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.38	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	0.33	J	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.13	J	0.034	0.50
n-Butane	0.90		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.10	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	11		0.40	5.0
Isopropyl alcohol	0.61	J	0.076	5.0
Carbon disulfide	0.20	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.80		0.023	0.50
tert-Butyl alcohol	0.37	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.22		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.6		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	6.3		0.024	0.20
Tetrahydrofuran	0.23	J	0.029	5.0
1,1,1-Trichloroethane	0.39		0.020	0.20
Cyclohexane	0.11	J	0.019	0.20
Carbon tetrachloride	0.083	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.060	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.092	J	0.017	0.20
Trichloroethene	21		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.19	J	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.18	J	0.034	0.50
Toluene	1.2		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.12	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.21	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.44		0.015	0.20
m,p-Xylene	1.7		0.022	0.50
Xylene, o-	0.38		0.016	0.20
Xylene (total)	2.0		0.016	0.20
Styrene	0.058	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.072	J	0.015	0.20
1,3,5-Trimethylbenzene	0.068	J	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.24		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.10	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	1.2	J	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.27	J	0.070	1.0
n-Butane	2.1		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.78	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	26		0.95	12
Isopropyl alcohol	1.5	J	0.19	12
Carbon disulfide	0.64	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	2.8		0.080	1.7
tert-Butyl alcohol	1.1	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.76		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.8		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	31		0.12	0.98
Tetrahydrofuran	0.67	J	0.086	15
1,1,1-Trichloroethane	2.1		0.11	1.1
Cyclohexane	0.38	J	0.065	0.69
Carbon tetrachloride	0.53	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.19	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.38	J	0.070	0.82
Trichloroethene	110		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	1.3	J	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.74	J	0.14	2.0
Toluene	4.4		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.82	J	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.84	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.9		0.065	0.87
m,p-Xylene	7.2		0.096	2.2
Xylene, o-	1.6		0.069	0.87
Xylene (total)	8.8		0.069	0.87
Styrene	0.25	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.36	J	0.074	0.98
1,3,5-Trimethylbenzene	0.33	J	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	1.2		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.53	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.54	J	0.030	0.75
Freon 22	0.29	J	0.035	0.75
1,2-Dichlorotetrafluoroethane	0.12	U	0.030	0.30
Chloromethane	0.12	U	0.051	0.75
n-Butane	0.12	U	0.033	0.75
Vinyl chloride	0.042	U	0.014	0.30
1,3-Butadiene	0.12	U	0.038	0.30
Bromomethane	0.12	U	0.041	0.30
Chloroethane	0.12	U	0.050	0.75
Bromoethene(Vinyl Bromide)	0.060	U	0.029	0.30
Trichlorofluoromethane	0.25	J	0.032	0.30
Freon TF	0.088	J M	0.030	0.30
1,1-Dichloroethene	0.30	U	0.13	0.30
Acetone	40		0.60	7.5
Isopropyl alcohol	1.1	J	0.11	7.5
Carbon disulfide	0.29	J	0.030	0.75
3-Chloropropene	0.12	U	0.071	0.75
Methylene Chloride	0.12	U	0.035	0.75
tert-Butyl alcohol	49		0.062	7.5
Methyl tert-butyl ether	0.060	U	0.023	0.30
trans-1,2-Dichloroethene	0.12	U	0.035	0.30
n-Hexane	0.12	U	0.030	0.30
1,1-Dichloroethane	0.12	U	0.035	0.30
Methyl Ethyl Ketone	12		0.038	0.75
cis-1,2-Dichloroethene	0.30	U	0.13	0.30
1,2-Dichloroethene, Total	0.12	U	0.035	0.30
Chloroform	0.068	J	0.036	0.30
Tetrahydrofuran	0.12	U	0.044	7.5
1,1,1-Trichloroethane	0.12	U	0.030	0.30
Cyclohexane	0.060	U	0.029	0.30
Carbon tetrachloride	0.087	J M	0.020	0.30
2,2,4-Trimethylpentane	0.060	U	0.023	0.30
Benzene	0.32		0.027	0.30
1,2-Dichloroethane	0.060	U	0.027	0.30
n-Heptane	0.20	J	0.026	0.30
Trichloroethene	6.8		0.014	0.30
Methyl methacrylate	0.060	U	0.024	0.75
1,2-Dichloropropane	0.12	U	0.035	0.30
1,4-Dioxane	0.30	U	0.11	7.5
Bromodichloromethane	0.060	U	0.018	0.30
cis-1,3-Dichloropropene	0.060	U	0.020	0.30
methyl isobutyl ketone	0.33	J	0.051	0.75
Toluene	0.71		0.021	0.30
trans-1,3-Dichloropropene	0.060	U	0.023	0.30
1,1,2-Trichloroethane	0.060	U	0.024	0.30
Tetrachloroethene	0.67		0.023	0.30

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.9		0.060	0.75
Dibromochloromethane	0.060	U	0.017	0.30
1,2-Dibromoethane	0.060	U	0.021	0.30
Chlorobenzene	0.060	U	0.020	0.30
Ethylbenzene	0.078	J M	0.023	0.30
m,p-Xylene	0.17	J	0.033	0.75
Xylene, o-	0.055	J	0.024	0.30
Xylene (total)	0.23	J	0.024	0.30
Styrene	0.060	U	0.017	0.30
Bromoform	0.042	U	0.011	0.30
Cumene	0.060	U	0.017	0.30
1,1,2,2-Tetrachloroethane	0.060	U	0.017	0.30
n-Propylbenzene	0.060	U	0.020	0.30
4-Ethyltoluene	0.060	U	0.023	0.30
1,3,5-Trimethylbenzene	0.060	U	0.029	0.30
2-Chlorotoluene	0.060	U	0.020	0.30
tert-Butylbenzene	0.060	U	0.017	0.30
1,2,4-Trimethylbenzene	0.12	U	0.032	0.30
sec-Butylbenzene	0.060	U	0.023	0.30
4-Isopropyltoluene	0.12	U	0.030	0.30
1,3-Dichlorobenzene	0.060	U	0.029	0.30
1,4-Dichlorobenzene	0.060	U	0.027	0.30
Benzyl chloride	0.12	U	0.033	0.30
n-Butylbenzene	0.12	U	0.033	0.30
1,2-Dichlorobenzene	0.12	U	0.039	0.30
1,2,4-Trichlorobenzene	0.084	J	0.045	0.75
Hexachlorobutadiene	0.12	U	0.044	0.30
Naphthalene	0.17	J	0.057	0.75

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7	J	0.15	3.7
Freon 22	1.0	J	0.12	2.7
1,2-Dichlorotetrafluoroethane	0.84	U	0.21	2.1
Chloromethane	0.25	U	0.11	1.5
n-Butane	0.29	U	0.078	1.8
Vinyl chloride	0.11	U	0.035	0.77
1,3-Butadiene	0.27	U	0.083	0.66
Bromomethane	0.47	U	0.16	1.2
Chloroethane	0.32	U	0.13	2.0
Bromoethene(Vinyl Bromide)	0.26	U	0.12	1.3
Trichlorofluoromethane	1.4	J	0.18	1.7
Freon TF	0.67	J M	0.23	2.3
1,1-Dichloroethene	1.2	U	0.51	1.2
Acetone	94		1.4	18
Isopropyl alcohol	2.8	J	0.28	18
Carbon disulfide	0.91	J	0.093	2.3

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.38	U	0.22	2.3
Methylene Chloride	0.42	U	0.12	2.6
tert-Butyl alcohol	150		0.19	23
Methyl tert-butyl ether	0.22	U	0.081	1.1
trans-1,2-Dichloroethene	0.48	U	0.14	1.2
n-Hexane	0.42	U	0.11	1.1
1,1-Dichloroethane	0.49	U	0.14	1.2
Methyl Ethyl Ketone	35		0.11	2.2
cis-1,2-Dichloroethene	1.2	U	0.50	1.2
1,2-Dichloroethene, Total	0.48	U	0.14	1.2
Chloroform	0.33	J	0.18	1.5
Tetrahydrofuran	0.35	U	0.13	22
1,1,1-Trichloroethane	0.65	U	0.16	1.6
Cyclohexane	0.21	U	0.098	1.0
Carbon tetrachloride	0.55	J M	0.12	1.9
2,2,4-Trimethylpentane	0.28	U	0.11	1.4
Benzene	1.0		0.086	0.96
1,2-Dichloroethane	0.24	U	0.11	1.2
n-Heptane	0.83	J	0.10	1.2
Trichloroethene	36		0.074	1.6
Methyl methacrylate	0.25	U	0.098	3.1
1,2-Dichloropropane	0.55	U	0.16	1.4
1,4-Dioxane	1.1	U	0.38	27
Bromodichloromethane	0.40	U	0.12	2.0
cis-1,3-Dichloropropene	0.27	U	0.089	1.4
methyl isobutyl ketone	1.3	J	0.21	3.1
Toluene	2.7		0.079	1.1
trans-1,3-Dichloropropene	0.27	U	0.10	1.4
1,1,2-Trichloroethane	0.33	U	0.13	1.6
Tetrachloroethene	4.6		0.15	2.0
Methyl Butyl Ketone (2-Hexanone)	7.6		0.25	3.1
Dibromochloromethane	0.51	U	0.14	2.6
1,2-Dibromoethane	0.46	U	0.16	2.3
Chlorobenzene	0.28	U	0.090	1.4
Ethylbenzene	0.34	J M	0.098	1.3
m,p-Xylene	0.75	J	0.14	3.3
Xylene, o-	0.24	J	0.10	1.3
Xylene (total)	0.99	J	0.10	1.3
Styrene	0.26	U	0.070	1.3
Bromoform	0.43	U	0.11	3.1
Cumene	0.29	U	0.081	1.5
1,1,2,2-Tetrachloroethane	0.41	U	0.11	2.1
n-Propylbenzene	0.29	U	0.096	1.5
4-Ethyltoluene	0.29	U	0.11	1.5
1,3,5-Trimethylbenzene	0.29	U	0.14	1.5
2-Chlorotoluene	0.31	U	0.10	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.091	1.6
1,2,4-Trimethylbenzene	0.59	U	0.15	1.5
sec-Butylbenzene	0.33	U	0.12	1.6
4-Isopropyltoluene	0.66	U	0.16	1.6
1,3-Dichlorobenzene	0.36	U	0.17	1.8
1,4-Dichlorobenzene	0.36	U	0.16	1.8
Benzyl chloride	0.62	U	0.17	1.6
n-Butylbenzene	0.66	U	0.18	1.6
1,2-Dichlorobenzene	0.72	U	0.23	1.8
1,2,4-Trichlorobenzene	0.62	J	0.33	5.6
Hexachlorobutadiene	1.3	U	0.46	3.2
Naphthalene	0.87	J	0.30	3.9

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.4		0.020	0.50
Freon 22	27		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.34	J	0.034	0.50
n-Butane	0.73		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	11		0.021	0.20
Freon TF	0.11	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	9.5		0.40	5.0
Isopropyl alcohol	3.2	J	0.076	5.0
Carbon disulfide	0.15	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.18	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.19	J	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.84		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.99		0.024	0.20
Tetrahydrofuran	0.47	J	0.029	5.0
1,1,1-Trichloroethane	0.53		0.020	0.20
Cyclohexane	0.10	J	0.019	0.20
Carbon tetrachloride	0.086	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.092	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.091	J	0.017	0.20
Trichloroethene	36		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.069	J	0.034	0.50
Toluene	0.32		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.22		0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.087	J	0.015	0.20
m,p-Xylene	0.23	J	0.022	0.50
Xylene, o-	0.097	J	0.016	0.20
Xylene (total)	0.33		0.016	0.20
Styrene	0.034	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.14	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.062	J	0.020	0.20
1,3-Dichlorobenzene	0.14	J	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.36	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	7.1		0.099	2.5
Freon 22	94		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.71	J	0.070	1.0
n-Butane	1.7		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	61		0.12	1.1
Freon TF	0.82	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	23		0.95	12
Isopropyl alcohol	7.9	J	0.19	12
Carbon disulfide	0.46	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.64	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.66	J	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.5		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	4.9		0.12	0.98
Tetrahydrofuran	1.4	J	0.086	15
1,1,1-Trichloroethane	2.9		0.11	1.1
Cyclohexane	0.36	J	0.065	0.69
Carbon tetrachloride	0.54	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.30	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.37	J	0.070	0.82
Trichloroethene	190		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.28	J	0.14	2.0
Toluene	1.2		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	1.5		0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.38	J	0.065	0.87
m,p-Xylene	0.99	J	0.096	2.2
Xylene, o-	0.42	J	0.069	0.87
Xylene (total)	1.4		0.069	0.87
Styrene	0.15	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.69	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	0.81	J	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.9	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.030	0.75
Freon 22	0.12	U	0.035	0.75
1,2-Dichlorotetrafluoroethane	0.12	U	0.030	0.30
Chloromethane	0.22	J	0.051	0.75
n-Butane	5.4		0.033	0.75
Vinyl chloride	0.042	U	0.014	0.30
1,3-Butadiene	0.12	U	0.038	0.30
Bromomethane	0.12	U	0.041	0.30
Chloroethane	0.12	U	0.050	0.75
Bromoethene(Vinyl Bromide)	0.060	U	0.029	0.30
Trichlorofluoromethane	0.26	J	0.032	0.30
Freon TF	0.081	J	0.030	0.30
1,1-Dichloroethene	0.30	U	0.13	0.30
Acetone	24		0.60	7.5
Isopropyl alcohol	3.9	J	0.11	7.5
Carbon disulfide	0.23	J	0.030	0.75
3-Chloropropene	0.12	U	0.071	0.75
Methylene Chloride	0.58	J	0.035	0.75
tert-Butyl alcohol	0.34	J	0.062	7.5
Methyl tert-butyl ether	0.060	U	0.023	0.30
trans-1,2-Dichloroethene	0.12	U	0.035	0.30
n-Hexane	1.5		0.030	0.30
1,1-Dichloroethane	0.12	U	0.035	0.30
Methyl Ethyl Ketone	1.8		0.038	0.75
cis-1,2-Dichloroethene	0.42		0.13	0.30
1,2-Dichloroethene, Total	0.42		0.035	0.30
Chloroform	0.57		0.036	0.30
Tetrahydrofuran	0.89	J	0.044	7.5
1,1,1-Trichloroethane	0.12	U	0.030	0.30
Cyclohexane	1.3		0.029	0.30
Carbon tetrachloride	0.069	J	0.020	0.30
2,2,4-Trimethylpentane	2.0		0.023	0.30
Benzene	0.16	J	0.027	0.30
1,2-Dichloroethane	0.060	U	0.027	0.30
n-Heptane	0.61		0.026	0.30
Trichloroethene	46		0.014	0.30
Methyl methacrylate	0.060	U	0.024	0.75
1,2-Dichloropropane	0.12	U	0.035	0.30
1,4-Dioxane	0.30	U	0.11	7.5
Bromodichloromethane	0.060	U	0.018	0.30
cis-1,3-Dichloropropene	0.060	U	0.020	0.30
methyl isobutyl ketone	0.12	U	0.051	0.75
Toluene	2.5		0.021	0.30
trans-1,3-Dichloropropene	0.060	U	0.023	0.30
1,1,2-Trichloroethane	0.060	U	0.024	0.30
Tetrachloroethene	3.2		0.023	0.30

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.12	U	0.060	0.75
Dibromochloromethane	0.060	U	0.017	0.30
1,2-Dibromoethane	0.060	U	0.021	0.30
Chlorobenzene	0.060	U	0.020	0.30
Ethylbenzene	0.25	J	0.023	0.30
m,p-Xylene	0.76		0.033	0.75
Xylene, o-	0.29	J	0.024	0.30
Xylene (total)	1.1		0.024	0.30
Styrene	0.11	J	0.017	0.30
Bromoform	0.042	U	0.011	0.30
Cumene	0.060	U	0.017	0.30
1,1,2,2-Tetrachloroethane	0.060	U	0.017	0.30
n-Propylbenzene	0.060	U	0.020	0.30
4-Ethyltoluene	0.074	J	0.023	0.30
1,3,5-Trimethylbenzene	0.13	J	0.029	0.30
2-Chlorotoluene	0.060	U	0.020	0.30
tert-Butylbenzene	0.060	U	0.017	0.30
1,2,4-Trimethylbenzene	0.29	J	0.032	0.30
sec-Butylbenzene	0.060	U	0.023	0.30
4-Isopropyltoluene	0.12	U	0.030	0.30
1,3-Dichlorobenzene	0.082	J	0.029	0.30
1,4-Dichlorobenzene	0.060	U	0.027	0.30
Benzyl chloride	0.12	U	0.033	0.30
n-Butylbenzene	0.12	U	0.033	0.30
1,2-Dichlorobenzene	0.12	U	0.039	0.30
1,2,4-Trichlorobenzene	0.12	U	0.045	0.75
Hexachlorobutadiene	0.12	U	0.044	0.30
Naphthalene	0.44	J Q	0.057	0.75

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.15	3.7
Freon 22	0.42	U	0.12	2.7
1,2-Dichlorotetrafluoroethane	0.84	U	0.21	2.1
Chloromethane	0.45	J	0.11	1.5
n-Butane	13		0.078	1.8
Vinyl chloride	0.11	U	0.035	0.77
1,3-Butadiene	0.27	U	0.083	0.66
Bromomethane	0.47	U	0.16	1.2
Chloroethane	0.32	U	0.13	2.0
Bromoethene(Vinyl Bromide)	0.26	U	0.12	1.3
Trichlorofluoromethane	1.4	J	0.18	1.7
Freon TF	0.62	J	0.23	2.3
1,1-Dichloroethene	1.2	U	0.51	1.2
Acetone	56		1.4	18
Isopropyl alcohol	9.6	J	0.28	18
Carbon disulfide	0.70	J	0.093	2.3

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.38	U	0.22	2.3
Methylene Chloride	2.0	J	0.12	2.6
tert-Butyl alcohol	1.0	J	0.19	23
Methyl tert-butyl ether	0.22	U	0.081	1.1
trans-1,2-Dichloroethene	0.48	U	0.14	1.2
n-Hexane	5.4		0.11	1.1
1,1-Dichloroethane	0.49	U	0.14	1.2
Methyl Ethyl Ketone	5.3		0.11	2.2
cis-1,2-Dichloroethene	1.6		0.50	1.2
1,2-Dichloroethene, Total	1.6		0.14	1.2
Chloroform	2.8		0.18	1.5
Tetrahydrofuran	2.6	J	0.13	22
1,1,1-Trichloroethane	0.65	U	0.16	1.6
Cyclohexane	4.4		0.098	1.0
Carbon tetrachloride	0.44	J	0.12	1.9
2,2,4-Trimethylpentane	9.5		0.11	1.4
Benzene	0.51	J	0.086	0.96
1,2-Dichloroethane	0.24	U	0.11	1.2
n-Heptane	2.5		0.10	1.2
Trichloroethene	250		0.074	1.6
Methyl methacrylate	0.25	U	0.098	3.1
1,2-Dichloropropane	0.55	U	0.16	1.4
1,4-Dioxane	1.1	U	0.38	27
Bromodichloromethane	0.40	U	0.12	2.0
cis-1,3-Dichloropropene	0.27	U	0.089	1.4
methyl isobutyl ketone	0.49	U	0.21	3.1
Toluene	9.5		0.079	1.1
trans-1,3-Dichloropropene	0.27	U	0.10	1.4
1,1,2-Trichloroethane	0.33	U	0.13	1.6
Tetrachloroethene	22		0.15	2.0
Methyl Butyl Ketone (2-Hexanone)	0.49	U	0.25	3.1
Dibromochloromethane	0.51	U	0.14	2.6
1,2-Dibromoethane	0.46	U	0.16	2.3
Chlorobenzene	0.28	U	0.090	1.4
Ethylbenzene	1.1	J	0.098	1.3
m,p-Xylene	3.3		0.14	3.3
Xylene, o-	1.3	J	0.10	1.3
Xylene (total)	4.6		0.10	1.3
Styrene	0.48	J	0.070	1.3
Bromoform	0.43	U	0.11	3.1
Cumene	0.29	U	0.081	1.5
1,1,2,2-Tetrachloroethane	0.41	U	0.11	2.1
n-Propylbenzene	0.29	U	0.096	1.5
4-Ethyltoluene	0.36	J	0.11	1.5
1,3,5-Trimethylbenzene	0.65	J	0.14	1.5
2-Chlorotoluene	0.31	U	0.10	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.091	1.6
1,2,4-Trimethylbenzene	1.4	J	0.15	1.5
sec-Butylbenzene	0.33	U	0.12	1.6
4-Isopropyltoluene	0.66	U	0.16	1.6
1,3-Dichlorobenzene	0.49	J	0.17	1.8
1,4-Dichlorobenzene	0.36	U	0.16	1.8
Benzyl chloride	0.62	U	0.17	1.6
n-Butylbenzene	0.66	U	0.18	1.6
1,2-Dichlorobenzene	0.72	U	0.23	1.8
1,2,4-Trichlorobenzene	0.89	U	0.33	5.6
Hexachlorobutadiene	1.3	U	0.46	3.2
Naphthalene	2.3	J Q	0.30	3.9

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.54		0.034	0.50
n-Butane	1.1		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.22		0.021	0.20
Freon TF	0.076	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	6.9		0.40	5.0
Isopropyl alcohol	0.34	J	0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.15	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.21		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.78		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.080	U	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.044	J	0.019	0.20
Carbon tetrachloride	0.070	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.11	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.17	J	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.093	J	0.034	0.50
Toluene	0.34		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.050	J	0.015	0.20
m,p-Xylene	0.15	J	0.022	0.50
Xylene, o-	0.051	J	0.016	0.20
Xylene (total)	0.20		0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.075	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.1		0.070	1.0
n-Butane	2.5		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.58	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	16		0.95	12
Isopropyl alcohol	0.84	J	0.19	12
Carbon disulfide	0.25	U	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.51	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.75		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.3		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.24	U	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.15	J	0.065	0.69
Carbon tetrachloride	0.44	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.36	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.70	J	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.38	J	0.14	2.0
Toluene	1.3		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.22	J	0.065	0.87
m,p-Xylene	0.65	J	0.096	2.2
Xylene, o-	0.22	J	0.069	0.87
Xylene (total)	0.88		0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.37	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	0.36	J	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.62		0.034	0.50
n-Butane	3.3		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.080	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	19		0.40	5.0
Isopropyl alcohol	1.2	J	0.076	5.0
Carbon disulfide	0.56		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.30	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.42		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.5		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.038	J	0.024	0.20
Tetrahydrofuran	0.51	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.10	J	0.019	0.20
Carbon tetrachloride	0.069	J	0.013	0.20
2,2,4-Trimethylpentane	0.17	J	0.015	0.20
Benzene	0.15	J	0.018	0.20
1,2-Dichloroethane	0.11	J	0.018	0.20
n-Heptane	0.22		0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.17	J	0.034	0.50
Toluene	1.9		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.050	J M	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.097	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.29		0.015	0.20
m,p-Xylene	0.89		0.022	0.50
Xylene, o-	0.24		0.016	0.20
Xylene (total)	1.1		0.016	0.20
Styrene	0.15	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.12	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	1.3	J	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.3		0.070	1.0
n-Butane	7.8		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.61	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	46		0.95	12
Isopropyl alcohol	3.0	J	0.19	12
Carbon disulfide	1.8		0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	1.0	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.5		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.5		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.19	J	0.12	0.98
Tetrahydrofuran	1.5	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.35	J	0.065	0.69
Carbon tetrachloride	0.43	J	0.082	1.3
2,2,4-Trimethylpentane	0.80	J	0.070	0.93
Benzene	0.47	J	0.058	0.64
1,2-Dichloroethane	0.44	J	0.073	0.81
n-Heptane	0.92		0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.71	J	0.14	2.0
Toluene	7.3		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.34	J M	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.40	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.3		0.065	0.87
m,p-Xylene	3.9		0.096	2.2
Xylene, o-	1.0		0.069	0.87
Xylene (total)	4.9		0.069	0.87
Styrene	0.62	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.59	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.64	J	0.040	1.0
Freon 22	0.16	U	0.046	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.040	0.40
Chloromethane	0.60	J	0.068	1.0
n-Butane	13		0.044	1.0
Vinyl chloride	0.056	U	0.018	0.40
1,3-Butadiene	0.16	U	0.050	0.40
Bromomethane	0.16	U	0.054	0.40
Chloroethane	0.16	U	0.066	1.0
Bromoethene(Vinyl Bromide)	0.080	U	0.038	0.40
Trichlorofluoromethane	0.25	J	0.042	0.40
Freon TF	0.092	J	0.040	0.40
1,1-Dichloroethene	0.40	U	0.17	0.40
Acetone	64		0.80	10
Isopropyl alcohol	4.6	J	0.15	10
Carbon disulfide	0.25	J	0.040	1.0
3-Chloropropene	0.16	U	0.094	1.0
Methylene Chloride	0.68	J	0.046	1.0
tert-Butyl alcohol	0.60	J	0.082	10
Methyl tert-butyl ether	0.080	U	0.030	0.40
trans-1,2-Dichloroethene	0.16	U	0.046	0.40
n-Hexane	1.3		0.040	0.40
1,1-Dichloroethane	0.16	U	0.046	0.40
Methyl Ethyl Ketone	2.9		0.050	1.0
cis-1,2-Dichloroethene	0.40	U	0.17	0.40
1,2-Dichloroethene, Total	0.16	U	0.046	0.40
Chloroform	0.16	U	0.048	0.40
Tetrahydrofuran	2.0	J	0.058	10
1,1,1-Trichloroethane	0.16	U	0.040	0.40
Cyclohexane	0.44		0.038	0.40
Carbon tetrachloride	0.080	U	0.026	0.40
2,2,4-Trimethylpentane	0.12	J	0.030	0.40
Benzene	0.25	J	0.036	0.40
1,2-Dichloroethane	0.64		0.036	0.40
n-Heptane	0.66		0.034	0.40
Trichloroethene	0.056	U	0.018	0.40
Methyl methacrylate	0.080	U	0.032	1.0
1,2-Dichloropropane	0.16	U	0.046	0.40
1,4-Dioxane	0.40	U	0.14	10
Bromodichloromethane	0.080	U	0.024	0.40
cis-1,3-Dichloropropene	0.080	U	0.026	0.40
methyl isobutyl ketone	0.16	U	0.068	1.0
Toluene	4.4		0.028	0.40
trans-1,3-Dichloropropene	0.080	U	0.030	0.40
1,1,2-Trichloroethane	0.080	U	0.032	0.40
Tetrachloroethene	0.25	J	0.030	0.40

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.28	J	0.080	1.0
Dibromochloromethane	0.080	U	0.022	0.40
1,2-Dibromoethane	0.080	U	0.028	0.40
Chlorobenzene	0.080	U	0.026	0.40
Ethylbenzene	0.31	J	0.030	0.40
m,p-Xylene	0.88	J	0.044	1.0
Xylene, o-	0.31	J	0.032	0.40
Xylene (total)	1.2		0.032	0.40
Styrene	0.17	J	0.022	0.40
Bromoform	0.056	U	0.014	0.40
Cumene	0.080	U	0.022	0.40
1,1,2,2-Tetrachloroethane	0.080	U	0.022	0.40
n-Propylbenzene	0.080	U	0.026	0.40
4-Ethyltoluene	0.080	U	0.030	0.40
1,3,5-Trimethylbenzene	0.080	U	0.038	0.40
2-Chlorotoluene	0.080	U	0.026	0.40
tert-Butylbenzene	0.080	U	0.022	0.40
1,2,4-Trimethylbenzene	0.15	J	0.042	0.40
sec-Butylbenzene	0.080	U	0.030	0.40
4-Isopropyltoluene	0.16	U	0.040	0.40
1,3-Dichlorobenzene	0.080	U	0.038	0.40
1,4-Dichlorobenzene	0.080	U	0.036	0.40
Benzyl chloride	0.16	U	0.044	0.40
n-Butylbenzene	0.16	U	0.044	0.40
1,2-Dichlorobenzene	0.16	U	0.052	0.40
1,2,4-Trichlorobenzene	0.16	U	0.060	1.0
Hexachlorobutadiene	0.16	U	0.058	0.40
Naphthalene	0.21	J	0.076	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.2	J	0.20	4.9
Freon 22	0.57	U	0.16	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.28	2.8
Chloromethane	1.2	J	0.14	2.1
n-Butane	30		0.10	2.4
Vinyl chloride	0.14	U	0.047	1.0
1,3-Butadiene	0.35	U	0.11	0.88
Bromomethane	0.62	U	0.21	1.6
Chloroethane	0.42	U	0.17	2.6
Bromoethene(Vinyl Bromide)	0.35	U	0.17	1.7
Trichlorofluoromethane	1.4	J	0.24	2.2
Freon TF	0.70	J	0.31	3.1
1,1-Dichloroethene	1.6	U	0.68	1.6
Acetone	150		1.9	24
Isopropyl alcohol	11	J	0.37	25
Carbon disulfide	0.78	J	0.12	3.1

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.29	3.1
Methylene Chloride	2.4	J	0.16	3.5
tert-Butyl alcohol	1.8	J	0.25	30
Methyl tert-butyl ether	0.29	U	0.11	1.4
trans-1,2-Dichloroethene	0.63	U	0.18	1.6
n-Hexane	4.4		0.14	1.4
1,1-Dichloroethane	0.65	U	0.19	1.6
Methyl Ethyl Ketone	8.6		0.15	2.9
cis-1,2-Dichloroethene	1.6	U	0.67	1.6
1,2-Dichloroethene, Total	0.63	U	0.18	1.6
Chloroform	0.78	U	0.23	2.0
Tetrahydrofuran	5.9	J	0.17	29
1,1,1-Trichloroethane	0.87	U	0.22	2.2
Cyclohexane	1.5		0.13	1.4
Carbon tetrachloride	0.50	U	0.16	2.5
2,2,4-Trimethylpentane	0.56	J	0.14	1.9
Benzene	0.80	J	0.12	1.3
1,2-Dichloroethane	2.6		0.15	1.6
n-Heptane	2.7		0.14	1.6
Trichloroethene	0.30	U	0.099	2.1
Methyl methacrylate	0.33	U	0.13	4.1
1,2-Dichloropropane	0.74	U	0.21	1.8
1,4-Dioxane	1.4	U	0.50	36
Bromodichloromethane	0.54	U	0.16	2.7
cis-1,3-Dichloropropene	0.36	U	0.12	1.8
methyl isobutyl ketone	0.66	U	0.28	4.1
Toluene	17		0.11	1.5
trans-1,3-Dichloropropene	0.36	U	0.14	1.8
1,1,2-Trichloroethane	0.44	U	0.17	2.2
Tetrachloroethene	1.7	J	0.20	2.7
Methyl Butyl Ketone (2-Hexanone)	1.1	J	0.33	4.1
Dibromochloromethane	0.68	U	0.19	3.4
1,2-Dibromoethane	0.61	U	0.22	3.1
Chlorobenzene	0.37	U	0.12	1.8
Ethylbenzene	1.4	J	0.13	1.7
m,p-Xylene	3.8	J	0.19	4.3
Xylene, o-	1.3	J	0.14	1.7
Xylene (total)	5.1		0.14	1.7
Styrene	0.74	J	0.094	1.7
Bromoform	0.58	U	0.15	4.1
Cumene	0.39	U	0.11	2.0
1,1,2,2-Tetrachloroethane	0.55	U	0.15	2.7
n-Propylbenzene	0.39	U	0.13	2.0
4-Ethyltoluene	0.39	U	0.15	2.0
1,3,5-Trimethylbenzene	0.39	U	0.19	2.0
2-Chlorotoluene	0.41	U	0.13	2.1

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.44	U	0.12	2.2
1,2,4-Trimethylbenzene	0.73	J	0.21	2.0
sec-Butylbenzene	0.44	U	0.16	2.2
4-Isopropyltoluene	0.88	U	0.22	2.2
1,3-Dichlorobenzene	0.48	U	0.23	2.4
1,4-Dichlorobenzene	0.48	U	0.22	2.4
Benzyl chloride	0.83	U	0.23	2.1
n-Butylbenzene	0.88	U	0.24	2.2
1,2-Dichlorobenzene	0.96	U	0.31	2.4
1,2,4-Trichlorobenzene	1.2	U	0.45	7.4
Hexachlorobutadiene	1.7	U	0.62	4.3
Naphthalene	1.1	J	0.40	5.2

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	18		0.034	0.50
n-Butane	2.6		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.077	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	4.9	J	0.40	5.0
Isopropyl alcohol	5.1		0.076	5.0
Carbon disulfide	0.28	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.70		0.023	0.50
tert-Butyl alcohol	0.59	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.38		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.1		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	30		0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.074	J	0.013	0.20
2,2,4-Trimethylpentane	0.32		0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.93		0.017	0.20
Trichloroethene	1.7		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.26	J	0.034	0.50
Toluene	1.0		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.11	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.11	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.28		0.015	0.20
m,p-Xylene	1.0		0.022	0.50
Xylene, o-	0.36		0.016	0.20
Xylene (total)	1.4		0.016	0.20
Styrene	0.11	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.14	J	0.013	0.20
4-Ethyltoluene	0.25		0.015	0.20
1,3,5-Trimethylbenzene	0.21		0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.74		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.060	J	0.020	0.20
1,3-Dichlorobenzene	0.50		0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.42	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	37		0.070	1.0
n-Butane	6.3		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.59	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	12	J	0.95	12
Isopropyl alcohol	13		0.19	12
Carbon disulfide	0.86	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	2.4		0.080	1.7
tert-Butyl alcohol	1.8	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.3		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.3		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	87		0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.46	J	0.082	1.3
2,2,4-Trimethylpentane	1.5		0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	3.8		0.070	0.82
Trichloroethene	9.1		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.0	J	0.14	2.0
Toluene	3.8		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.73	J	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.47	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.2		0.065	0.87
m,p-Xylene	4.5		0.096	2.2
Xylene, o-	1.6		0.069	0.87
Xylene (total)	6.0		0.069	0.87
Styrene	0.46	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.68	J	0.064	0.98
4-Ethyltoluene	1.2		0.074	0.98
1,3,5-Trimethylbenzene	1.0		0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	3.7		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.33	J	0.11	1.1
1,3-Dichlorobenzene	3.0		0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	2.2	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.54		0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.14	J	0.034	0.50
n-Butane	1.6		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.090	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	19		0.40	5.0
Isopropyl alcohol	6.1		0.076	5.0
Carbon disulfide	3.8		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.24	J	0.023	0.50
tert-Butyl alcohol	0.58	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.40		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	3.5		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.096	J	0.024	0.20
Tetrahydrofuran	1.2	J	0.029	5.0
1,1,1-Trichloroethane	0.073	J M	0.020	0.20
Cyclohexane	0.60		0.019	0.20
Carbon tetrachloride	0.075	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.18	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.26		0.017	0.20
Trichloroethene	7.2		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.31	J	0.034	0.50
Toluene	1.6		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.17	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.23	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.91		0.015	0.20
m,p-Xylene	0.79		0.022	0.50
Xylene, o-	0.40		0.016	0.20
Xylene (total)	1.2		0.016	0.20
Styrene	0.070	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.30		0.013	0.20
4-Ethyltoluene	0.74		0.015	0.20
1,3,5-Trimethylbenzene	0.80		0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	3.0		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.29		0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.13	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.30	J	0.070	1.0
n-Butane	3.8		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.69	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	44		0.95	12
Isopropyl alcohol	15		0.19	12
Carbon disulfide	12		0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.82	J	0.080	1.7
tert-Butyl alcohol	1.8	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.4		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	10		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.47	J	0.12	0.98
Tetrahydrofuran	3.4	J	0.086	15
1,1,1-Trichloroethane	0.40	J M	0.11	1.1
Cyclohexane	2.1		0.065	0.69
Carbon tetrachloride	0.47	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.57	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	1.1		0.070	0.82
Trichloroethene	39		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.3	J	0.14	2.0
Toluene	5.9		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	1.2	J	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.94	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	3.9		0.065	0.87
m,p-Xylene	3.4		0.096	2.2
Xylene, o-	1.7		0.069	0.87
Xylene (total)	5.2		0.069	0.87
Styrene	0.30	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	1.5		0.064	0.98
4-Ethyltoluene	3.6		0.074	0.98
1,3,5-Trimethylbenzene	3.9		0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	15		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	1.6		0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.68	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.47	J	0.034	0.50
n-Butane	1.8		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.27		0.021	0.20
Freon TF	0.076	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	8.5		0.40	5.0
Isopropyl alcohol	0.86	J	0.076	5.0
Carbon disulfide	0.87		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.17	J M	0.023	0.50
tert-Butyl alcohol	0.32	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.36		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.5		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.14	J	0.029	5.0
1,1,1-Trichloroethane	0.14	J M	0.020	0.20
Cyclohexane	0.22		0.019	0.20
Carbon tetrachloride	0.072	J	0.013	0.20
2,2,4-Trimethylpentane	0.20		0.015	0.20
Benzene	0.16	J M	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.33		0.017	0.20
Trichloroethene	3.7		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.12	J	0.034	0.50
Toluene	0.98		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.21	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.86		0.015	0.20
m,p-Xylene	3.1		0.022	0.50
Xylene, o-	1.1		0.016	0.20
Xylene (total)	4.2		0.016	0.20
Styrene	0.15	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.14	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.12	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.088	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.97	J	0.070	1.0
n-Butane	4.4		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.5		0.12	1.1
Freon TF	0.58	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	20		0.95	12
Isopropyl alcohol	2.1	J	0.19	12
Carbon disulfide	2.7		0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.59	J M	0.080	1.7
tert-Butyl alcohol	0.96	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.3		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.3		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.41	J	0.086	15
1,1,1-Trichloroethane	0.74	J M	0.11	1.1
Cyclohexane	0.76		0.065	0.69
Carbon tetrachloride	0.45	J	0.082	1.3
2,2,4-Trimethylpentane	0.92		0.070	0.93
Benzene	0.50	J M	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	1.4		0.070	0.82
Trichloroethene	20		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.49	J	0.14	2.0
Toluene	3.7		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.86	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	3.8		0.065	0.87
m,p-Xylene	14		0.096	2.2
Xylene, o-	4.7		0.069	0.87
Xylene (total)	18		0.069	0.87
Styrene	0.64	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.69	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.64	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.46	J Q	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB

Client Matrix: Air

Date Sampled: 08/08/2012 0900

Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.080	U	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.13	J	0.034	0.50
n-Butane	0.23	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.080	U	0.021	0.20
Freon TF	0.080	U	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	2.7	J	0.40	5.0
Isopropyl alcohol	1.2	J	0.076	5.0
Carbon disulfide	0.067	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.080	U	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.83		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.21	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.040	U	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.080	U	0.034	0.50
Toluene	0.098	J	0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB
Client Matrix: Air

Date Sampled: 08/08/2012 0900
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.040	U	0.015	0.20
m,p-Xylene	0.040	U	0.022	0.50
Xylene, o-	0.040	U	0.016	0.20
Xylene (total)	0.040	U	0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.080	U	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.40	U	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.26	J	0.070	1.0
n-Butane	0.54	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	0.45	U	0.12	1.1
Freon TF	0.61	U	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	6.5	J	0.95	12
Isopropyl alcohol	3.0	J	0.19	12
Carbon disulfide	0.21	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB
Client Matrix: Air

Date Sampled: 08/08/2012 0900
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.28	U	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.4		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.61	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.25	U	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.33	U	0.14	2.0
Toluene	0.37	J	0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.17	U	0.065	0.87
m,p-Xylene	0.17	U	0.096	2.2
Xylene, o-	0.17	U	0.069	0.87
Xylene (total)	0.17	U	0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB

Client Matrix: Air

Date Sampled: 08/08/2012 0900

Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.39	U	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44077

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44077/4	Analysis Batch:	200-44077	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzi004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/27/2012 1308	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1308			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.080	U	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.080	U	0.034	0.50
n-Butane	0.080	U	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.080	U	0.021	0.20
Freon TF	0.080	U	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	0.50	U	0.40	5.0
Isopropyl alcohol	0.20	U	0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.0910	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.080	U	0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.080	U	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.040	U	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.080	U	0.034	0.50
Toluene	0.040	U	0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44077

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44077/4	Analysis Batch:	200-44077	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzi004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/27/2012 1308	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1308			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.040	U	0.015	0.20
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.040	U	0.015	0.20
m,p-Xylene	0.040	U	0.022	0.50
Xylene, o-	0.040	U	0.016	0.20
Xylene (total)	0.040	U	0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.080	U	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U	0.038	0.50

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44077

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44077/4	Analysis Batch:	200-44077	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzi004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/27/2012 1308	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1308			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.40	U	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.17	U	0.070	1.0
n-Butane	0.19	U	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	0.45	U	0.12	1.1
Freon TF	0.61	U	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	1.2	U	0.95	12
Isopropyl alcohol	0.49	U	0.19	12
Carbon disulfide	0.25	U	0.062	1.6
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.316	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	0.24	U	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.24	U	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.25	U	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.33	U	0.14	2.0
Toluene	0.15	U	0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44077

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44077/4	Analysis Batch:	200-44077	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzi004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/27/2012 1308	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1308			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.17	U	0.065	0.87
m,p-Xylene	0.17	U	0.096	2.2
Xylene, o-	0.17	U	0.069	0.87
Xylene (total)	0.17	U	0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.39	U	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Control Sample - Batch: 200-44077

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-44077/3	Analysis Batch:	200-44077	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzi003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/27/2012 1215	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1215			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.70	97	70 - 130	
Freon 22	10.0	9.22	92	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.67	97	70 - 130	
Chloromethane	10.0	8.65	87	70 - 130	
n-Butane	10.0	8.85	89	70 - 130	
Vinyl chloride	10.0	8.99	90	70 - 130	
1,3-Butadiene	10.0	9.32	93	70 - 130	
Bromomethane	10.0	9.28	93	70 - 130	
Chloroethane	10.0	8.79	88	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.99	100	70 - 130	
Trichlorofluoromethane	10.0	9.70	97	70 - 130	
Freon TF	10.0	10.4	104	70 - 130	
1,1-Dichloroethene	10.0	10.5	105	70 - 130	
Acetone	10.0	9.87	99	70 - 130	
Isopropyl alcohol	10.0	9.61	96	70 - 130	
Carbon disulfide	10.0	9.58	96	70 - 130	
3-Chloropropene	10.0	8.85	88	70 - 130	M
Methylene Chloride	10.0	9.25	93	70 - 130	
tert-Butyl alcohol	10.0	9.99	100	70 - 130	
Methyl tert-butyl ether	10.0	10.1	101	70 - 130	
trans-1,2-Dichloroethene	10.0	9.12	91	70 - 130	
n-Hexane	10.0	9.02	90	70 - 130	
1,1-Dichloroethane	10.0	9.21	92	70 - 130	
Methyl Ethyl Ketone	10.0	9.88	99	70 - 130	
cis-1,2-Dichloroethene	10.0	9.69	97	70 - 130	
Chloroform	10.0	9.56	96	70 - 130	
Tetrahydrofuran	10.0	9.20	92	70 - 130	
1,1,1-Trichloroethane	10.0	9.75	98	70 - 130	
Cyclohexane	10.0	9.56	96	70 - 130	
Carbon tetrachloride	10.0	9.61	96	70 - 130	
2,2,4-Trimethylpentane	10.0	8.95	90	70 - 130	
Benzene	10.0	9.23	92	70 - 130	
1,2-Dichloroethane	10.0	9.69	97	70 - 130	
n-Heptane	10.0	8.67	87	70 - 130	
Trichloroethene	10.0	9.46	95	70 - 130	
Methyl methacrylate	10.0	9.69	97	70 - 130	
1,2-Dichloropropane	10.0	8.93	89	70 - 130	
1,4-Dioxane	10.0	9.47	95	70 - 130	
Bromodichloromethane	10.0	10.1	101	70 - 130	
cis-1,3-Dichloropropene	10.0	9.51	95	70 - 130	
methyl isobutyl ketone	10.0	9.82	98	70 - 130	
Toluene	10.0	9.61	96	70 - 130	
trans-1,3-Dichloropropene	10.0	9.88	99	70 - 130	
1,1,2-Trichloroethane	10.0	8.88	89	70 - 130	
Tetrachloroethene	10.0	10.0	100	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.74	97	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Control Sample - Batch: 200-44077

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-44077/3	Analysis Batch:	200-44077	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzi003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/27/2012 1215	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1215			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.7	107	70 - 130	
1,2-Dibromoethane	10.0	9.66	97	70 - 130	
Chlorobenzene	10.0	9.49	95	70 - 130	
Ethylbenzene	10.0	9.58	96	70 - 130	
m,p-Xylene	20.0	19.7	98	70 - 130	
Xylene, o-	10.0	9.71	97	70 - 130	
Styrene	10.0	10.3	103	70 - 130	
Bromoform	10.0	11.2	112	70 - 130	
Cumene	10.0	9.97	100	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.03	90	70 - 130	
n-Propylbenzene	10.0	9.92	99	70 - 130	
4-Ethyltoluene	10.0	10.6	106	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.85	99	70 - 130	
2-Chlorotoluene	10.0	9.96	100	70 - 130	
tert-Butylbenzene	10.0	10.1	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.78	98	70 - 130	
sec-Butylbenzene	10.0	10.0	100	70 - 130	
4-Isopropyltoluene	10.0	10.5	105	70 - 130	
1,3-Dichlorobenzene	10.0	10.1	101	70 - 130	
1,4-Dichlorobenzene	10.0	10.2	102	70 - 130	
Benzyl chloride	10.0	10.5	105	70 - 130	
n-Butylbenzene	10.0	10.8	108	70 - 130	
1,2-Dichlorobenzene	10.0	9.89	99	70 - 130	
1,2,4-Trichlorobenzene	10.0	12.3	123	70 - 130	
Hexachlorobutadiene	10.0	11.1	111	70 - 130	
Naphthalene	10.0	12.6	126	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44081

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44081/4	Analysis Batch:	200-44081	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzg004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1424	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1424			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.080	U	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.080	U	0.034	0.50
n-Butane	0.080	U	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.080	U	0.021	0.20
Freon TF	0.080	U	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	0.50	U	0.40	5.0
Isopropyl alcohol	0.20	U	0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.0951	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.080	U	0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.080	U	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.040	U	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.080	U	0.034	0.50
Toluene	0.040	U	0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44081

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44081/4	Analysis Batch:	200-44081	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzg004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1424	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1424			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.040	U	0.015	0.20
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.040	U	0.015	0.20
m,p-Xylene	0.040	U	0.022	0.50
Xylene, o-	0.040	U	0.016	0.20
Xylene (total)	0.040	U	0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.080	U	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U	0.038	0.50

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44081

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44081/4	Analysis Batch:	200-44081	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzg004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1424	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1424			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.40	U	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.17	U	0.070	1.0
n-Butane	0.19	U	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	0.45	U	0.12	1.1
Freon TF	0.61	U	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	1.2	U	0.95	12
Isopropyl alcohol	0.49	U	0.19	12
Carbon disulfide	0.25	U	0.062	1.6
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.330	J M	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	0.24	U	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.24	U	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.25	U	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.33	U	0.14	2.0
Toluene	0.15	U	0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method Blank - Batch: 200-44081

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44081/4	Analysis Batch:	200-44081	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzg004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1424	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1424			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.17	U	0.065	0.87
m,p-Xylene	0.17	U	0.096	2.2
Xylene, o-	0.17	U	0.069	0.87
Xylene (total)	0.17	U	0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.39	U	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Control Sample - Batch: 200-44081

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-44081/3	Analysis Batch:	200-44081	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzg003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1331	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1331			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.1	101	70 - 130	
Freon 22	10.0	9.92	99	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.2	102	70 - 130	
Chloromethane	10.0	10.0	100	70 - 130	
n-Butane	10.0	10.1	101	70 - 130	
Vinyl chloride	10.0	9.96	100	70 - 130	
1,3-Butadiene	10.0	10.4	104	70 - 130	
Bromomethane	10.0	9.82	98	70 - 130	
Chloroethane	10.0	10.0	100	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.3	103	70 - 130	
Trichlorofluoromethane	10.0	9.98	100	70 - 130	
Freon TF	10.0	10.8	108	70 - 130	
1,1-Dichloroethene	10.0	11.1	111	70 - 130	
Acetone	10.0	10.7	107	70 - 130	
Isopropyl alcohol	10.0	10.4	104	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
3-Chloropropene	10.0	9.89	99	70 - 130	
Methylene Chloride	10.0	10.4	104	70 - 130	
tert-Butyl alcohol	10.0	10.9	109	70 - 130	
Methyl tert-butyl ether	10.0	10.7	107	70 - 130	
trans-1,2-Dichloroethene	10.0	10.0	100	70 - 130	
n-Hexane	10.0	10.1	101	70 - 130	
1,1-Dichloroethane	10.0	9.99	100	70 - 130	
Methyl Ethyl Ketone	10.0	10.9	109	70 - 130	
cis-1,2-Dichloroethene	10.0	10.0	100	70 - 130	
Chloroform	10.0	10.0	100	70 - 130	
Tetrahydrofuran	10.0	10.2	102	70 - 130	
1,1,1-Trichloroethane	10.0	9.65	97	70 - 130	
Cyclohexane	10.0	9.87	99	70 - 130	
Carbon tetrachloride	10.0	9.55	96	70 - 130	
2,2,4-Trimethylpentane	10.0	9.76	98	70 - 130	
Benzene	10.0	9.62	96	70 - 130	
1,2-Dichloroethane	10.0	9.72	97	70 - 130	
n-Heptane	10.0	9.68	97	70 - 130	
Trichloroethene	10.0	9.59	96	70 - 130	
Methyl methacrylate	10.0	10.5	105	70 - 130	
1,2-Dichloropropane	10.0	9.65	97	70 - 130	
1,4-Dioxane	10.0	9.48	95	70 - 130	
Bromodichloromethane	10.0	10.3	103	70 - 130	
cis-1,3-Dichloropropene	10.0	9.94	99	70 - 130	
methyl isobutyl ketone	10.0	10.7	107	70 - 130	
Toluene	10.0	9.89	99	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.29	93	70 - 130	
Tetrachloroethene	10.0	9.45	95	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Control Sample - Batch: 200-44081

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-44081/3	Analysis Batch:	200-44081	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzg003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1331	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1331			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.6	106	70 - 130	
1,2-Dibromoethane	10.0	9.81	98	70 - 130	
Chlorobenzene	10.0	9.64	96	70 - 130	
Ethylbenzene	10.0	9.88	99	70 - 130	
m,p-Xylene	20.0	20.1	101	70 - 130	
Xylene, o-	10.0	9.96	100	70 - 130	
Styrene	10.0	10.5	105	70 - 130	
Bromoform	10.0	10.7	107	70 - 130	
Cumene	10.0	10.2	102	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.68	97	70 - 130	
n-Propylbenzene	10.0	10.4	104	70 - 130	
4-Ethyltoluene	10.0	10.9	109	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70 - 130	
2-Chlorotoluene	10.0	10.4	104	70 - 130	
tert-Butylbenzene	10.0	10.3	103	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.3	103	70 - 130	
sec-Butylbenzene	10.0	10.4	104	70 - 130	
4-Isopropyltoluene	10.0	10.8	108	70 - 130	
1,3-Dichlorobenzene	10.0	10.0	100	70 - 130	
1,4-Dichlorobenzene	10.0	10.1	101	70 - 130	
Benzyl chloride	10.0	11.1	111	70 - 130	
n-Butylbenzene	10.0	11.5	115	70 - 130	
1,2-Dichlorobenzene	10.0	9.98	100	70 - 130	
1,2,4-Trichlorobenzene	10.0	12.2	122	70 - 130	
Hexachlorobutadiene	10.0	11.2	112	70 - 130	
Naphthalene	10.0	13.4	134	70 - 130	Q

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-32071-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-32071-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-44077					
LCS 200-44077/3	Lab Control Sample	T	Air	TO-15	
MB 200-44077/4	Method Blank	T	Air	TO-15	
280-32071-12	786VMP0302AG	T	Air	TO-15	
280-32071-17	785786OA04	T	Air	TO-15	
280-32071-21TB	TRIP BLANK	T	Air	TO-15	
Analysis Batch:200-44081					
LCS 200-44081/3	Lab Control Sample	T	Air	TO-15	
MB 200-44081/4	Method Blank	T	Air	TO-15	
280-32071-1	774VMP0101AG	T	Air	TO-15	
280-32071-2	774VMP0201AG	T	Air	TO-15	
280-32071-3	774VMP0301AG	T	Air	TO-15	
280-32071-4	776VMP0101AG	T	Air	TO-15	
280-32071-5	776VMP0201AG	T	Air	TO-15	
280-32071-6	776VMP0301AG	T	Air	TO-15	
280-32071-7	774IA1AH	T	Air	TO-15	
280-32071-8	774776OA1HA	T	Air	TO-15	
280-32071-9	776IA1GA	T	Air	TO-15	
280-32071-10	786VMP0102AG	T	Air	TO-15	
280-32071-11	786VMP0202AG	T	Air	TO-15	
280-32071-13	774776CA01AG	T	Air	TO-15	
280-32071-14	785786CA01AG	T	Air	TO-15	
280-32071-15	785IA08	T	Air	TO-15	
280-32071-16	786IA07	T	Air	TO-15	
280-32071-18	785VMP0202AH	T	Air	TO-15	
280-32071-19	785VMP0401AG	T	Air	TO-15	
280-32071-20	785VMP0501AD	T	Air	TO-15	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-32071-1

Laboratory Chronicle

Lab ID: 280-32071-1 **Client ID:** 774VMP0101AG

Sample Date/Time: 08/06/2012 13:45 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-1		200-44081		08/22/2012 17:04	1	TAL BUR	WRD
A:TO-15	280-32071-A-1		200-44081		08/22/2012 17:04	1	TAL BUR	WRD

Lab ID: 280-32071-2 **Client ID:** 774VMP0201AG

Sample Date/Time: 08/06/2012 14:00 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-2		200-44081		08/22/2012 17:58	1	TAL BUR	WRD
A:TO-15	280-32071-A-2		200-44081		08/22/2012 17:58	1	TAL BUR	WRD

Lab ID: 280-32071-3 **Client ID:** 774VMP0301AG

Sample Date/Time: 08/06/2012 14:10 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-3		200-44081		08/22/2012 18:51	1	TAL BUR	WRD
A:TO-15	280-32071-A-3		200-44081		08/22/2012 18:51	1	TAL BUR	WRD

Lab ID: 280-32071-4 **Client ID:** 776VMP0101AG

Sample Date/Time: 08/06/2012 10:20 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-4		200-44081		08/22/2012 19:44	1	TAL BUR	WRD
A:TO-15	280-32071-A-4		200-44081		08/22/2012 19:44	1	TAL BUR	WRD

Lab ID: 280-32071-5 **Client ID:** 776VMP0201AG

Sample Date/Time: 08/06/2012 09:50 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-5		200-44081		08/22/2012 20:38	1	TAL BUR	WRD
A:TO-15	280-32071-A-5		200-44081		08/22/2012 20:38	1	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 280-32071-1

Laboratory Chronicle

Lab ID: 280-32071-6 **Client ID:** 776VMP0301AG

Sample Date/Time: 08/06/2012 10:30 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-6		200-44081		08/22/2012 21:32	1	TAL BUR	WRD
A:TO-15	280-32071-A-6		200-44081		08/22/2012 21:32	1	TAL BUR	WRD

Lab ID: 280-32071-7 **Client ID:** 774IA1AH

Sample Date/Time: 08/06/2012 14:20 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-7		200-44081		08/22/2012 22:25	1	TAL BUR	WRD
A:TO-15	280-32071-A-7		200-44081		08/22/2012 22:25	1	TAL BUR	WRD

Lab ID: 280-32071-8 **Client ID:** 774776OA1HA

Sample Date/Time: 08/06/2012 11:30 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-8		200-44081		08/23/2012 10:54	1.5	TAL BUR	WRD
A:TO-15	280-32071-A-8		200-44081		08/23/2012 10:54	1.5	TAL BUR	WRD

Lab ID: 280-32071-9 **Client ID:** 776IA1GA

Sample Date/Time: 08/06/2012 10:25 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-9		200-44081		08/23/2012 00:12	1	TAL BUR	WRD
A:TO-15	280-32071-A-9		200-44081		08/23/2012 00:12	1	TAL BUR	WRD

Lab ID: 280-32071-10 **Client ID:** 786VMP0102AG

Sample Date/Time: 08/08/2012 10:50 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-10		200-44081		08/23/2012 01:05	1	TAL BUR	WRD
A:TO-15	280-32071-A-10		200-44081		08/23/2012 01:05	1	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 280-32071-1

Laboratory Chronicle

Lab ID: 280-32071-11 **Client ID:** 786VMP0202AG

Sample Date/Time: 08/08/2012 11:20 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-11		200-44081		08/23/2012 01:59	1	TAL BUR	WRD
A:TO-15	280-32071-A-11		200-44081		08/23/2012 01:59	1	TAL BUR	WRD

Lab ID: 280-32071-12 **Client ID:** 786VMP0302AG

Sample Date/Time: 08/08/2012 10:30 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-12		200-44077		08/27/2012 13:58	1.5	TAL BUR	WRD
A:TO-15	280-32071-A-12		200-44077		08/27/2012 13:58	1.5	TAL BUR	WRD

Lab ID: 280-32071-13 **Client ID:** 774776CA01AG

Sample Date/Time: 08/03/2012 14:30 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-13		200-44081		08/23/2012 03:46	1	TAL BUR	WRD
A:TO-15	280-32071-A-13		200-44081		08/23/2012 03:46	1	TAL BUR	WRD

Lab ID: 280-32071-14 **Client ID:** 785786CA01AG

Sample Date/Time: 08/03/2012 13:25 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-14		200-44081		08/23/2012 04:39	1.5	TAL BUR	WRD
A:TO-15	280-32071-A-14		200-44081		08/23/2012 04:39	1.5	TAL BUR	WRD

Lab ID: 280-32071-15 **Client ID:** 785IA08

Sample Date/Time: 08/08/2012 14:20 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-15		200-44081		08/23/2012 05:32	1	TAL BUR	WRD
A:TO-15	280-32071-A-15		200-44081		08/23/2012 05:32	1	TAL BUR	WRD

Client: FPM Remediations Inc Job Number: 280-32071-1

Laboratory Chronicle

Lab ID: 280-32071-16 **Client ID: 786IA07**

Sample Date/Time: 08/08/2012 11:10 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-16		200-44081		08/23/2012 06:26	1	TAL BUR	WRD
A:TO-15	280-32071-A-16		200-44081		08/23/2012 06:26	1	TAL BUR	WRD

Lab ID: 280-32071-17 **Client ID: 785786OA04**

Sample Date/Time: 08/08/2012 11:50 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-17		200-44077		08/27/2012 14:52	2	TAL BUR	WRD
A:TO-15	280-32071-A-17		200-44077		08/27/2012 14:52	2	TAL BUR	WRD

Lab ID: 280-32071-18 **Client ID: 785VMP0202AH**

Sample Date/Time: 08/08/2012 14:40 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-18		200-44081		08/23/2012 08:14	1	TAL BUR	WRD
A:TO-15	280-32071-A-18		200-44081		08/23/2012 08:14	1	TAL BUR	WRD

Lab ID: 280-32071-19 **Client ID: 785VMP0401AG**

Sample Date/Time: 08/08/2012 14:10 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-19		200-44081		08/23/2012 09:07	1	TAL BUR	WRD
A:TO-15	280-32071-A-19		200-44081		08/23/2012 09:07	1	TAL BUR	WRD

Lab ID: 280-32071-20 **Client ID: 785VMP0501AD**

Sample Date/Time: 08/08/2012 15:00 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-20		200-44081		08/23/2012 10:01	1	TAL BUR	WRD
A:TO-15	280-32071-A-20		200-44081		08/23/2012 10:01	1	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 280-32071-1

Laboratory Chronicle

Lab ID: 280-32071-21 **Client ID:** TRIP BLANK

Sample Date/Time: 08/08/2012 09:00 Received Date/Time: 08/10/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-32071-A-21		200-44077		08/28/2012 00:17	1	TAL BUR	WRD
A:TO-15	280-32071-A-21		200-44077		08/28/2012 00:17	1	TAL BUR	WRD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-44081/4		200-44081		08/22/2012 14:24	1	TAL BUR	WRD
A:TO-15	MB 200-44081/4		200-44081		08/22/2012 14:24	1	TAL BUR	WRD
P:Summa Canister	MB 200-44077/4		200-44077		08/27/2012 13:08	1	TAL BUR	WRD
A:TO-15	MB 200-44077/4		200-44077		08/27/2012 13:08	1	TAL BUR	WRD

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-44081/3		200-44081		08/22/2012 13:31	1	TAL BUR	WRD
A:TO-15	LCS 200-44081/3		200-44081		08/22/2012 13:31	1	TAL BUR	WRD
P:Summa Canister	LCS 200-44077/3		200-44077		08/27/2012 12:15	1	TAL BUR	WRD
A:TO-15	LCS 200-44077/3		200-44077		08/27/2012 12:15	1	TAL BUR	WRD

Lab References:

TAL BUR = TestAmerica Burlington

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00074	10/25/12	08/13/12	DI WATER, Lot 3142	15.463 L	ATTO15CAL6w_00052	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.20044 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Isopropyltoluene	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.20044 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	0.20044 ppb v/v
							Freon 22	0.20044 ppb v/v
							Freon TF	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone	0.20044 ppb v/v
							methyl isobutyl ketone	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00052	10/25/12	07/27/12	DI WATER, Lot 4943	15.463 L	ATTO15CALSTKi_00033	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00031	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00005	12/07/12	SIGMA, Lot 05796KM			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00063	10/25/12	08/13/12	DI WATER, Lot 3611	15.463 L	ATTO15CAL6w_00052	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Freon 22	0.500453 ppb v/v
							Freon TF	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone	0.500453 ppb v/v
							methyl isobutyl ketone	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00031	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00052	10/25/12	07/27/12	DI WATER, Lot 4943	15.463 L	ATTO15CALSTKi_00033	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00031	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00005	12/07/12		SIGMA, Lot 05796KM		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00005	12/07/12		SIGMA, Lot 05796KM		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00076	10/25/12	07/27/12	DI WATER, Lot 3639	15.463 L	ATTO15CALSTKi_00033	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	4.99256 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	4.99256 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Freon 22	4.99256 ppb v/v
							Freon TF	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							methyl isobutyl ketone	4.99256 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
							Xylene, o-	4.99256 ppb v/v
					ATTO15EthCALw_00031	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00005	12/07/12	SIGMA, Lot 05796KM			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00208	10/25/12	07/27/12	DI WATER, Lot 3642	15.463 L	ATTO15CALSTKi_00033	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00031	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00005	12/07/12		SIGMA, Lot 05796KM		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL5w_00026	10/25/12	07/27/12	DI WATER, Lot 3089	15.463 L	ATTO15CALSTKi_00033	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	15.0036 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	15.0036 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Freon 22	15.0036 ppb v/v
							Freon TF	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone	15.0036 ppb v/v
							methyl isobutyl ketone	15.0036 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v
							Naphthalene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00031	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00005	12/07/12		SIGMA, Lot 05796KM		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00052	10/25/12	07/27/12	DI WATER, Lot 4943	15.463 L	ATTO15CALSTKi_00033	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00031	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00005	12/07/12	SIGMA, Lot 05796KM			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00028	10/25/12	07/27/12	DI WATER, Lot 3649	15.463 L	ATTO15CALSTKi_00033	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Benzyl chloride	39.9922 ppb v/v
							Bromodichloromethane	39.9922 ppb v/v
							Bromoethene(Vinyl Bromide)	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cumene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromochloromethane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Freon 22	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Freon TF	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m,p-Xylene	79.9845 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone	39.9922 ppb v/v
							methyl isobutyl ketone	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butane	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
							Xylene, o-	39.9922 ppb v/v
					ATTO15EthCALw_00031	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00033	10/25/12	07/25/12	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00031	10/26/12	07/26/12	VOA Free Water, Lot 1020	37.5 ppb	ATTO15EthCALs_00005	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00005	12/07/12	SIGMA, Lot 05796KM			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CISs_00005	11/15/15	Spectra, Lot CC-250115			(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00219	10/25/12	07/27/12	DI WATER, Lot 3482	15.463 L	ATTO15LCSSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00030	10/25/12	07/25/12	DI WATER, Lot 4984	37.5 L	ATTO15LCSs_00010	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00010	12/07/12		Spectra Gases, Lot CC-230119		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB Soil Vapor

TestAmerica Job ID: 280-32071-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC Primary AB	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckzi003.d

Lab ID: LCS 200-44077/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.70	97	70-130	
Freon 22	10.0	9.22	92	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.67	97	70-130	
Chloromethane	10.0	8.65	87	70-130	
n-Butane	10.0	8.85	89	70-130	
Vinyl chloride	10.0	8.99	90	70-130	
1,3-Butadiene	10.0	9.32	93	70-130	
Bromomethane	10.0	9.28	93	70-130	
Chloroethane	10.0	8.79	88	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.99	100	70-130	
Trichlorofluoromethane	10.0	9.70	97	70-130	
Freon TF	10.0	10.4	104	70-130	
1,1-Dichloroethene	10.0	10.5	105	70-130	
Acetone	10.0	9.87	99	70-130	
Isopropyl alcohol	10.0	9.61	96	70-130	
Carbon disulfide	10.0	9.58	96	70-130	
3-Chloropropene	10.0	8.85	88	70-130	M
Methylene Chloride	10.0	9.25	93	70-130	
tert-Butyl alcohol	10.0	9.99	100	70-130	
Methyl tert-butyl ether	10.0	10.1	101	70-130	
trans-1,2-Dichloroethene	10.0	9.12	91	70-130	
n-Hexane	10.0	9.02	90	70-130	
1,1-Dichloroethane	10.0	9.21	92	70-130	
Methyl Ethyl Ketone	10.0	9.88	99	70-130	
cis-1,2-Dichloroethene	10.0	9.69	97	70-130	
Chloroform	10.0	9.56	96	70-130	
Tetrahydrofuran	10.0	9.20	92	70-130	
1,1,1-Trichloroethane	10.0	9.75	98	70-130	
Cyclohexane	10.0	9.56	96	70-130	
Carbon tetrachloride	10.0	9.61	96	70-130	
2,2,4-Trimethylpentane	10.0	8.95	90	70-130	
Benzene	10.0	9.23	92	70-130	
1,2-Dichloroethane	10.0	9.69	97	70-130	
n-Heptane	10.0	8.67	87	70-130	
Trichloroethene	10.0	9.46	95	70-130	
Methyl methacrylate	10.0	9.69	97	70-130	
1,2-Dichloropropane	10.0	8.93	89	70-130	
1,4-Dioxane	10.0	9.47	95	70-130	
Bromodichloromethane	10.0	10.1	101	70-130	
cis-1,3-Dichloropropene	10.0	9.51	95	70-130	
methyl isobutyl ketone	10.0	9.82	98	70-130	
Toluene	10.0	9.61	96	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckzi003.d

Lab ID: LCS 200-44077/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.88	99	70-130	
1,1,2-Trichloroethane	10.0	8.88	89	70-130	
Tetrachloroethene	10.0	10.0	100	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.74	97	70-130	
Dibromochloromethane	10.0	10.7	107	70-130	
1,2-Dibromoethane	10.0	9.66	97	70-130	
Chlorobenzene	10.0	9.49	95	70-130	
Ethylbenzene	10.0	9.58	96	70-130	
m,p-Xylene	20.0	19.7	98	70-130	
Xylene, o-	10.0	9.71	97	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	11.2	112	70-130	
Cumene	10.0	9.97	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.03	90	70-130	
n-Propylbenzene	10.0	9.92	99	70-130	
4-Ethyltoluene	10.0	10.6	106	70-130	
1,3,5-Trimethylbenzene	10.0	9.85	99	70-130	
2-Chlorotoluene	10.0	9.96	100	70-130	
tert-Butylbenzene	10.0	10.1	101	70-130	
1,2,4-Trimethylbenzene	10.0	9.78	98	70-130	
sec-Butylbenzene	10.0	10.0	100	70-130	
4-Isopropyltoluene	10.0	10.5	105	70-130	
1,3-Dichlorobenzene	10.0	10.1	101	70-130	
1,4-Dichlorobenzene	10.0	10.2	102	70-130	
Benzyl chloride	10.0	10.5	105	70-130	
n-Butylbenzene	10.0	10.8	108	70-130	
1,2-Dichlorobenzene	10.0	9.89	99	70-130	
1,2,4-Trichlorobenzene	10.0	12.3	123	70-130	
Hexachlorobutadiene	10.0	11.1	111	70-130	
Naphthalene	10.0	12.6	126	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckzg003.d

Lab ID: LCS 200-44081/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.1	101	70-130	
Freon 22	10.0	9.92	99	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.2	102	70-130	
Chloromethane	10.0	10.0	100	70-130	
n-Butane	10.0	10.1	101	70-130	
Vinyl chloride	10.0	9.96	100	70-130	
1,3-Butadiene	10.0	10.4	104	70-130	
Bromomethane	10.0	9.82	98	70-130	
Chloroethane	10.0	10.0	100	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.3	103	70-130	
Trichlorofluoromethane	10.0	9.98	100	70-130	
Freon TF	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	11.1	111	70-130	
Acetone	10.0	10.7	107	70-130	
Isopropyl alcohol	10.0	10.4	104	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
3-Chloropropene	10.0	9.89	99	70-130	
Methylene Chloride	10.0	10.4	104	70-130	
tert-Butyl alcohol	10.0	10.9	109	70-130	
Methyl tert-butyl ether	10.0	10.7	107	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
n-Hexane	10.0	10.1	101	70-130	
1,1-Dichloroethane	10.0	9.99	100	70-130	
Methyl Ethyl Ketone	10.0	10.9	109	70-130	
cis-1,2-Dichloroethene	10.0	10.0	100	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	9.65	97	70-130	
Cyclohexane	10.0	9.87	99	70-130	
Carbon tetrachloride	10.0	9.55	96	70-130	
2,2,4-Trimethylpentane	10.0	9.76	98	70-130	
Benzene	10.0	9.62	96	70-130	
1,2-Dichloroethane	10.0	9.72	97	70-130	
n-Heptane	10.0	9.68	97	70-130	
Trichloroethene	10.0	9.59	96	70-130	
Methyl methacrylate	10.0	10.5	105	70-130	
1,2-Dichloropropane	10.0	9.65	97	70-130	
1,4-Dioxane	10.0	9.48	95	70-130	
Bromodichloromethane	10.0	10.3	103	70-130	
cis-1,3-Dichloropropene	10.0	9.94	99	70-130	
methyl isobutyl ketone	10.0	10.7	107	70-130	
Toluene	10.0	9.89	99	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckzg003.d

Lab ID: LCS 200-44081/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.29	93	70-130	
Tetrachloroethene	10.0	9.45	95	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.6	106	70-130	
Dibromochloromethane	10.0	10.6	106	70-130	
1,2-Dibromoethane	10.0	9.81	98	70-130	
Chlorobenzene	10.0	9.64	96	70-130	
Ethylbenzene	10.0	9.88	99	70-130	
m,p-Xylene	20.0	20.1	101	70-130	
Xylene, o-	10.0	9.96	100	70-130	
Styrene	10.0	10.5	105	70-130	
Bromoform	10.0	10.7	107	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.68	97	70-130	
n-Propylbenzene	10.0	10.4	104	70-130	
4-Ethyltoluene	10.0	10.9	109	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.3	103	70-130	
1,2,4-Trimethylbenzene	10.0	10.3	103	70-130	
sec-Butylbenzene	10.0	10.4	104	70-130	
4-Isopropyltoluene	10.0	10.8	108	70-130	
1,3-Dichlorobenzene	10.0	10.0	100	70-130	
1,4-Dichlorobenzene	10.0	10.1	101	70-130	
Benzyl chloride	10.0	11.1	111	70-130	
n-Butylbenzene	10.0	11.5	115	70-130	
1,2-Dichlorobenzene	10.0	9.98	100	70-130	
1,2,4-Trichlorobenzene	10.0	12.2	122	70-130	
Hexachlorobutadiene	10.0	11.2	112	70-130	
Naphthalene	10.0	13.4	134	70-130	Q

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab File ID: ckzg004.d Lab Sample ID: MB 200-44081/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: C.i Date Analyzed: 08/22/2012 14:24

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-44081/3	ckzg003.d	08/22/2012 13:31
774VMP0101AG	280-32071-1	ckzg007.d	08/22/2012 17:04
774VMP0201AG	280-32071-2	ckzg008.d	08/22/2012 17:58
774VMP0301AG	280-32071-3	ckzg009.d	08/22/2012 18:51
776VMP0101AG	280-32071-4	ckzg010.d	08/22/2012 19:44
776VMP0201AG	280-32071-5	ckzg011.d	08/22/2012 20:38
776VMP0301AG	280-32071-6	ckzg012.d	08/22/2012 21:32
774IA1AH	280-32071-7	ckzg013.d	08/22/2012 22:25
776IA1GA	280-32071-9	ckzg015.d	08/23/2012 00:12
786VMP0102AG	280-32071-10	ckzg016.d	08/23/2012 01:05
786VMP0202AG	280-32071-11	ckzg017.d	08/23/2012 01:59
774776CA01AG	280-32071-13	ckzg019.d	08/23/2012 03:46
785786CA01AG	280-32071-14	ckzg020.d	08/23/2012 04:39
785IA08	280-32071-15	ckzg021.d	08/23/2012 05:32
786IA07	280-32071-16	ckzg022.d	08/23/2012 06:26
785VMP0202AH	280-32071-18	ckzg024.d	08/23/2012 08:14
785VMP0401AG	280-32071-19	ckzg025.d	08/23/2012 09:07
785VMP0501AD	280-32071-20	ckzg026.d	08/23/2012 10:01
774776OA1HA	280-32071-8	ckzg027.d	08/23/2012 10:54

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab File ID: ckzi004.d Lab Sample ID: MB 200-44077/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: C.i Date Analyzed: 08/27/2012 13:08

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-44077/3	ckzi003.d	08/27/2012 12:15
786VMP0302AG	280-32071-12	ckzi005.d	08/27/2012 13:58
785786OA04	280-32071-17	ckzi006.d	08/27/2012 14:52
TRIP BLANK	280-32071-21	ckzi014.d	08/28/2012 00:17

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab File ID: ckz001.d BFB Injection Date: 08/14/2012

Instrument ID: C.i BFB Injection Time: 16:28

Analysis Batch No.: 43490

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.1	
75	30.0 - 66.0% of mass 95	44.2	
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	0.3	(0.3)1
174	50.0 - 120.0% of mass 95	80.2	
175	4.0 - 9.0 % of mass 174	5.6	(6.9)1
176	93.0 - 101.0% of mass 174	77.7	(96.9)1
177	5.0 - 9.0% of mass 176	5.1	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-43490/3	ckz003.d	08/14/2012	18:13
	IC 200-43490/4	ckz004.d	08/14/2012	19:07
	IC 200-43490/5	ckz005.d	08/14/2012	20:00
	IC 200-43490/6	ckz006.d	08/14/2012	20:53
	IC 200-43490/8	ckz008.d	08/14/2012	22:41
	IC 200-43490/9	ckz009.d	08/14/2012	23:34
	IC 200-43490/10	ckz010.d	08/15/2012	00:28
	ICIS 200-43490/15	ckz015.d	08/15/2012	08:24
	ICV 200-43490/18	ckz018.d	08/15/2012	11:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab File ID: ckzg001.d BFB Injection Date: 08/22/2012

Instrument ID: C.i BFB Injection Time: 11:45

Analysis Batch No.: 44081

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	45.1	
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	0.2	(0.2)1
174	50.0 - 120.0% of mass 95	81.4	
175	4.0 - 9.0 % of mass 174	5.7	(7.0)1
176	93.0 - 101.0% of mass 174	79.1	(97.2)1
177	5.0 - 9.0% of mass 176	5.2	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-44081/2	ckzg002.d	08/22/2012	12:39
	LCS 200-44081/3	ckzg003.d	08/22/2012	13:31
	MB 200-44081/4	ckzg004.d	08/22/2012	14:24
774VMP0101AG	280-32071-1	ckzg007.d	08/22/2012	17:04
774VMP0201AG	280-32071-2	ckzg008.d	08/22/2012	17:58
774VMP0301AG	280-32071-3	ckzg009.d	08/22/2012	18:51
776VMP0101AG	280-32071-4	ckzg010.d	08/22/2012	19:44
776VMP0201AG	280-32071-5	ckzg011.d	08/22/2012	20:38
776VMP0301AG	280-32071-6	ckzg012.d	08/22/2012	21:32
774IA1AH	280-32071-7	ckzg013.d	08/22/2012	22:25
776IA1GA	280-32071-9	ckzg015.d	08/23/2012	00:12
786VMP0102AG	280-32071-10	ckzg016.d	08/23/2012	01:05
786VMP0202AG	280-32071-11	ckzg017.d	08/23/2012	01:59
774776CA01AG	280-32071-13	ckzg019.d	08/23/2012	03:46
785786CA01AG	280-32071-14	ckzg020.d	08/23/2012	04:39
785IA08	280-32071-15	ckzg021.d	08/23/2012	05:32
786IA07	280-32071-16	ckzg022.d	08/23/2012	06:26
785VMP0202AH	280-32071-18	ckzg024.d	08/23/2012	08:14
785VMP0401AG	280-32071-19	ckzg025.d	08/23/2012	09:07
785VMP0501AD	280-32071-20	ckzg026.d	08/23/2012	10:01
774776OA1HA	280-32071-8	ckzg027.d	08/23/2012	10:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab File ID: ckzi001.d BFB Injection Date: 08/27/2012

Instrument ID: C.i BFB Injection Time: 10:30

Analysis Batch No.: 44077

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.0	
75	30.0 - 66.0% of mass 95	43.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	84.3	
175	4.0 - 9.0 % of mass 174	5.8	(6.9)1
176	93.0 - 101.0% of mass 174	80.8	(95.8)1
177	5.0 - 9.0% of mass 176	5.2	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-44077/2	ckzi002.d	08/27/2012	11:24
	LCS 200-44077/3	ckzi003.d	08/27/2012	12:15
	MB 200-44077/4	ckzi004.d	08/27/2012	13:08
786VMP0302AG	280-32071-12	ckzi005.d	08/27/2012	13:58
785786OA04	280-32071-17	ckzi006.d	08/27/2012	14:52
TRIP BLANK	280-32071-21	ckzi014.d	08/28/2012	00:17

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Sample No.: ICIS 200-43490/15 Date Analyzed: 08/15/2012 08:24

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckz015.d Heated Purge: (Y/N) N

Calibration ID: 17120

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		419299	12.10	2338098	13.92	2179074	19.45
UPPER LIMIT		587019	12.43	3273337	14.25	3050704	19.78
LOWER LIMIT		251579	11.77	1402859	13.59	1307444	19.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-43490/18		394482	12.10	2173520	13.93	1992042	19.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Sample No.: CCVIS 200-44081/2 Date Analyzed: 08/22/2012 12:39

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckzg002.d Heated Purge: (Y/N) N

Calibration ID: 17120

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		401211	12.09	2253154	13.92	2073964	19.44
UPPER LIMIT		561695	12.42	3154416	14.25	2903550	19.77
LOWER LIMIT		240727	11.76	1351892	13.59	1244378	19.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-44081/3		399184	12.09	2259897	13.92	2097875	19.44
MB 200-44081/4		367583	12.09	2133778	13.92	1883944	19.44
280-32071-1	774VMP0101AG	314305	12.09	1801678	13.92	1708849	19.44
280-32071-2	774VMP0201AG	332366	12.09	1872512	13.92	1766466	19.44
280-32071-3	774VMP0301AG	380106	12.09	2208441	13.92	2066183	19.44
280-32071-4	776VMP0101AG	349738	12.09	1965422	13.91	1815994	19.44
280-32071-5	776VMP0201AG	338012	12.09	1902144	13.92	1758847	19.44
280-32071-6	776VMP0301AG	330375	12.08	1857368	13.92	1730432	19.44
280-32071-7	774IA1AH	337372	12.09	1886644	13.92	1765351	19.44
280-32071-9	776IA1GA	330575	12.09	1846010	13.92	1726789	19.44
280-32071-10	786VMP0102AG	324728	12.09	1811730	13.91	1680291	19.44
280-32071-11	786VMP0202AG	321324	12.09	1770581	13.92	1646667	19.44
280-32071-13	774776CA01AG	313672	12.09	1768554	13.92	1649256	19.44
280-32071-14	785786CA01AG	331440	12.09	1855873	13.92	1707114	19.44
280-32071-15	785IA08	362551	12.09	2037639	13.92	1890940	19.44
280-32071-16	786IA07	328635	12.09	1845826	13.91	1707173	19.44
280-32071-18	785VMP0202AH	318234	12.09	1783746	13.92	1688821	19.44
280-32071-19	785VMP0401AG	331025	12.09	1880985	13.92	1735200	19.44
280-32071-20	785VMP0501AD	328039	12.09	1845029	13.91	1709947	19.44
280-32071-8	774776OA1HA	317850	12.09	1781342	13.92	1641651	19.44

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Sample No.: CCVIS 200-44077/2 Date Analyzed: 08/27/2012 11:24

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckzi002.d Heated Purge: (Y/N) N

Calibration ID: 17120

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		424064	12.08	2358170	13.90	2080802	19.43
UPPER LIMIT		593690	12.41	3301438	14.23	2913123	19.76
LOWER LIMIT		254438	11.75	1414902	13.57	1248481	19.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-44077/3		403468	12.08	2221818	13.91	2068021	19.43
MB 200-44077/4		355153	12.07	2047009	13.90	1805555	19.43
280-32071-12	786VMP0302AG	312133	12.07	1726642	13.90	1665797	19.43
280-32071-17	785786OA04	309889	12.07	1708621	13.90	1598536	19.43

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0101AG Lab Sample ID: 280-32071-1

Matrix: Air Lab File ID: ckzg007.d

Analysis Method: TO-15 Date Collected: 08/06/2012 13:45

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.56		0.50	0.020
75-45-6	Freon 22	86.47	23		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.54		0.50	0.034
106-97-8	n-Butane	58.12	0.61		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.41		0.20	0.021
76-13-1	Freon TF	187.38	0.082	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	13		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	8.8		5.0	0.076
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.21	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.33		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.1		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.077	J M	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.74	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.67		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.079	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.47		0.20	0.015
71-43-2	Benzene	78.11	0.14	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0101AG Lab Sample ID: 280-32071-1

Matrix: Air Lab File ID: ckzg007.d

Analysis Method: TO-15 Date Collected: 08/06/2012 13:45

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.17	J	0.20	0.017
79-01-6	Trichloroethene	131.39	0.19	J	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.28	J	0.50	0.034
108-88-3	Toluene	92.14	1.1		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.10	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.22		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.72		0.50	0.022
95-47-6	Xylene, o-	106.17	0.28		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.0		0.20	0.016
100-42-5	Styrene	104.15	0.11	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.073	J	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.095	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.37		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.051	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.067	J	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0101AG Lab Sample ID: 280-32071-1

Matrix: Air Lab File ID: ckzg007.d

Analysis Method: TO-15 Date Collected: 08/06/2012 13:45

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.11	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0101AG Lab Sample ID: 280-32071-1

Matrix: Air Lab File ID: ckzg007.d

Analysis Method: TO-15 Date Collected: 08/06/2012 13:45

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.8		2.5	0.099
75-45-6	Freon 22	86.47	83		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.1		1.0	0.070
106-97-8	n-Butane	58.12	1.4		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	2.3		1.1	0.12
76-13-1	Freon TF	187.38	0.63	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	30		12	0.95
67-63-0	Isopropyl alcohol	60.10	22		12	0.19
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.72	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.2		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	3.2		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.38	J M	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	2.2	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	2.3		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.50	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	2.2		0.93	0.070
71-43-2	Benzene	78.11	0.44	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0101AG Lab Sample ID: 280-32071-1

Matrix: Air Lab File ID: ckzg007.d

Analysis Method: TO-15 Date Collected: 08/06/2012 13:45

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.68	J	0.82	0.070
79-01-6	Trichloroethene	131.39	1.0	J	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	1.1	J	2.0	0.14
108-88-3	Toluene	92.14	4.2		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.43	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.95		0.87	0.065
179601-23-1	m,p-Xylene	106.17	3.1		2.2	0.096
95-47-6	Xylene, o-	106.17	1.2		0.87	0.069
1330-20-7	Xylene (total)	106.17	4.4		0.87	0.069
100-42-5	Styrene	104.15	0.48	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.36	J	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.56	J	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.47	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	1.8		0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.28	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.40	J	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0101AG Lab Sample ID: 280-32071-1

Matrix: Air Lab File ID: ckzg007.d

Analysis Method: TO-15 Date Collected: 08/06/2012 13:45

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.60	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-1
Client Smp ID: 774VMP0101AG
Inj Date : 22-AUG-2012 17:04
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-1
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 13:07 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	48381	0.56062	0.56
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	1015924	23.3602	23
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.806	4.811	(0.398)	13047	0.54214	0.54
6 Butane	43	5.072	5.078	(0.420)	25894	0.60832	0.61
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	37368	0.41057	0.41
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	5207	0.08182	0.082(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.258	8.269	(0.683)	436647	12.6168	13
21 Carbon disulfide	76	Compound Not Detected.					

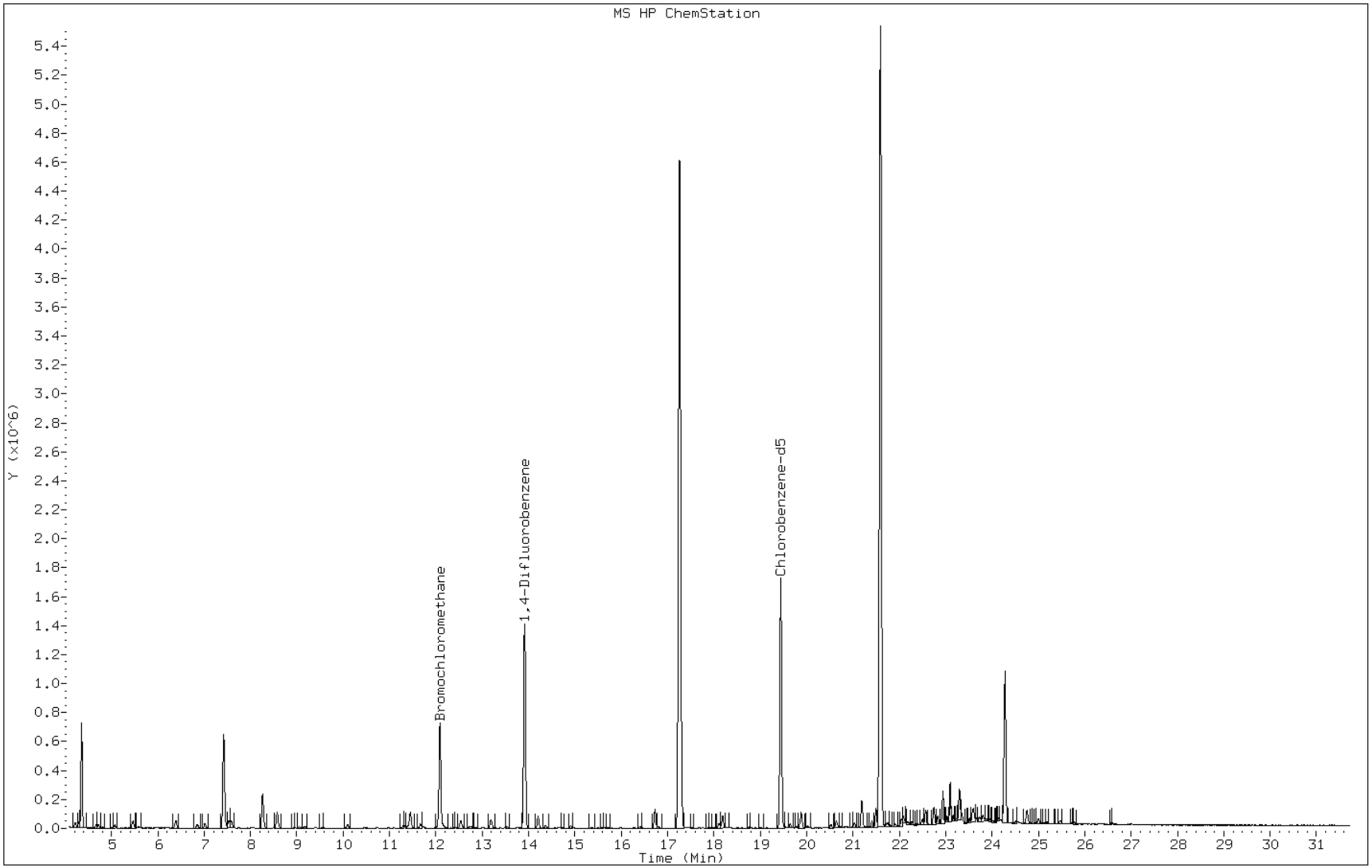
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	22 Isopropanol	45	8.573	8.573	(0.709)	214208	8.80958	8.8
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.171	9.177	(0.759)	6152	0.20838	0.21(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.100	10.105	(0.836)	15632	0.32864	0.33
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	14220	1.08137	1.1(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	314305	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.873)	20924	0.73875	0.74(a)
	39 Chloroform	83	12.197	12.213	(1.009)	5398	0.07688	0.077(aM)
	40 Cyclohexane	84	12.539	12.544	(0.901)	33841	0.66964	0.67
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.779	12.784	(0.918)	6892	0.07938	0.079(a)
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	74177	0.46676	0.47
	44 Benzene	78	13.190	13.190	(0.948)	14673	0.13751	0.14(aH)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.531	13.542	(0.972)	9463	0.16661	0.17(aQ)
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1801678	10.0000	
	49 Trichloroethene	95	14.364	14.375	(1.032)	9475	0.18867	0.19(a)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.397	16.408	(1.178)	13975	0.27739	0.28(a)
	58 Toluene	92	16.728	16.734	(0.861)	91938	1.12225	1.1
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.988	17.993	(0.925)	4989	0.10455	0.10(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1708849	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.011)	37614	0.21828	0.22
	69 Xylene (m,p)	106	19.882	19.893	(1.023)	52019	0.72460	0.72
M	70 Xylenes, Total	106				71458	1.00429	1.0
	71 Xylene (o)	106	20.640	20.646	(1.062)	19439	0.27968	0.28
	72 Styrene	104	20.672	20.678	(1.063)	11055	0.11247	0.11(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	21.910	21.916	(1.127)	16358	0.07323	0.073(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	21978	0.11355	0.11(a)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.182	22.193	(1.141)	16015	0.09540	0.095(a)
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	59718	0.36771	0.37
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.170	23.170	(1.192)	10314	0.05122	0.051(a)
87 1,3-Dichlorobenzene	146	23.196	23.202	(1.193)	7641	0.06680	0.067(a)
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.002	27.012	(1.389)	10782	0.11418	0.11(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File:	ckzg007.d	Date:	22-AUG-2012 17:04
Client ID:	774VMP0101AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-1		
Lab Sample ID:	280-32071-1		



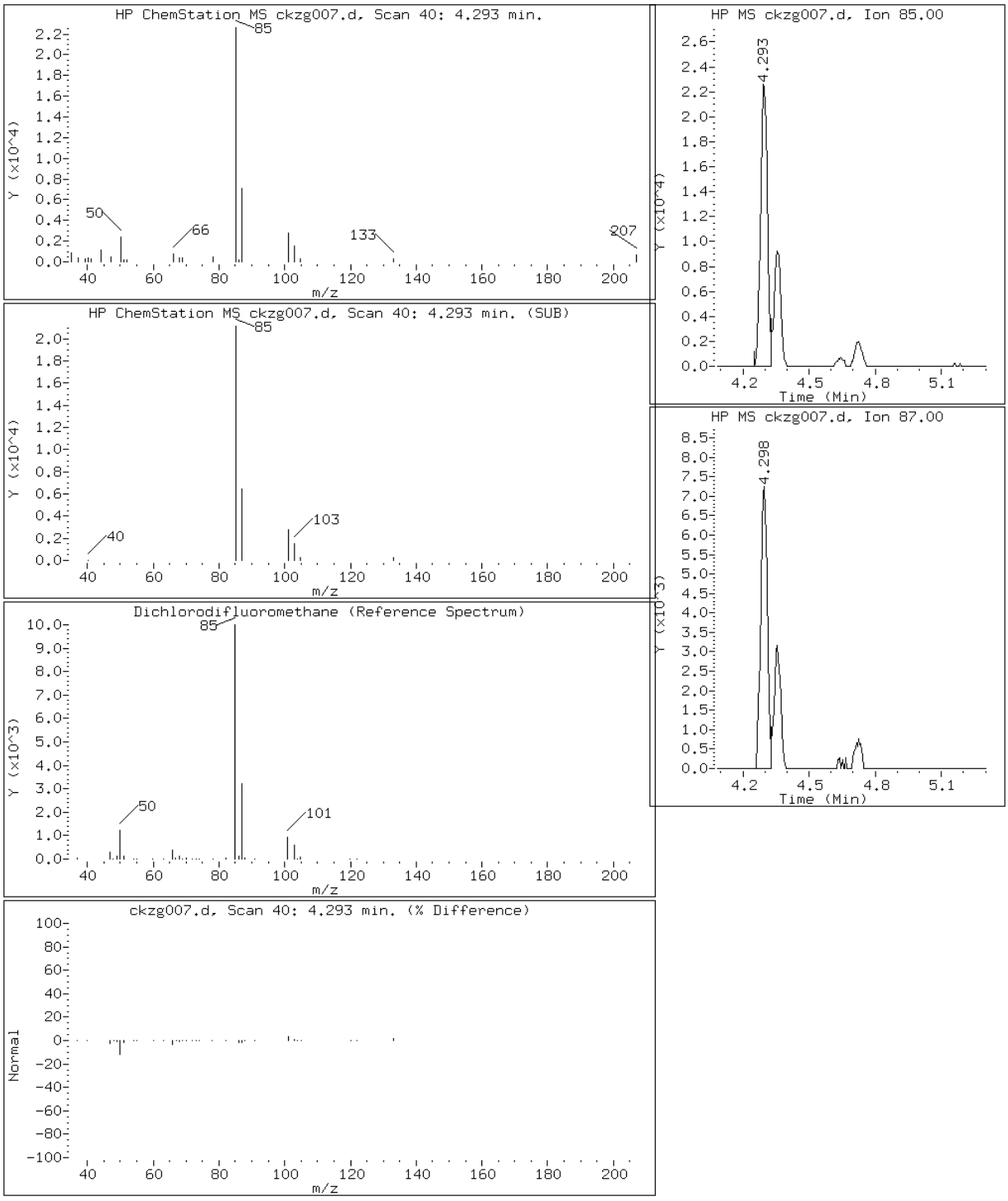
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

2 Dichlorodifluoromethane



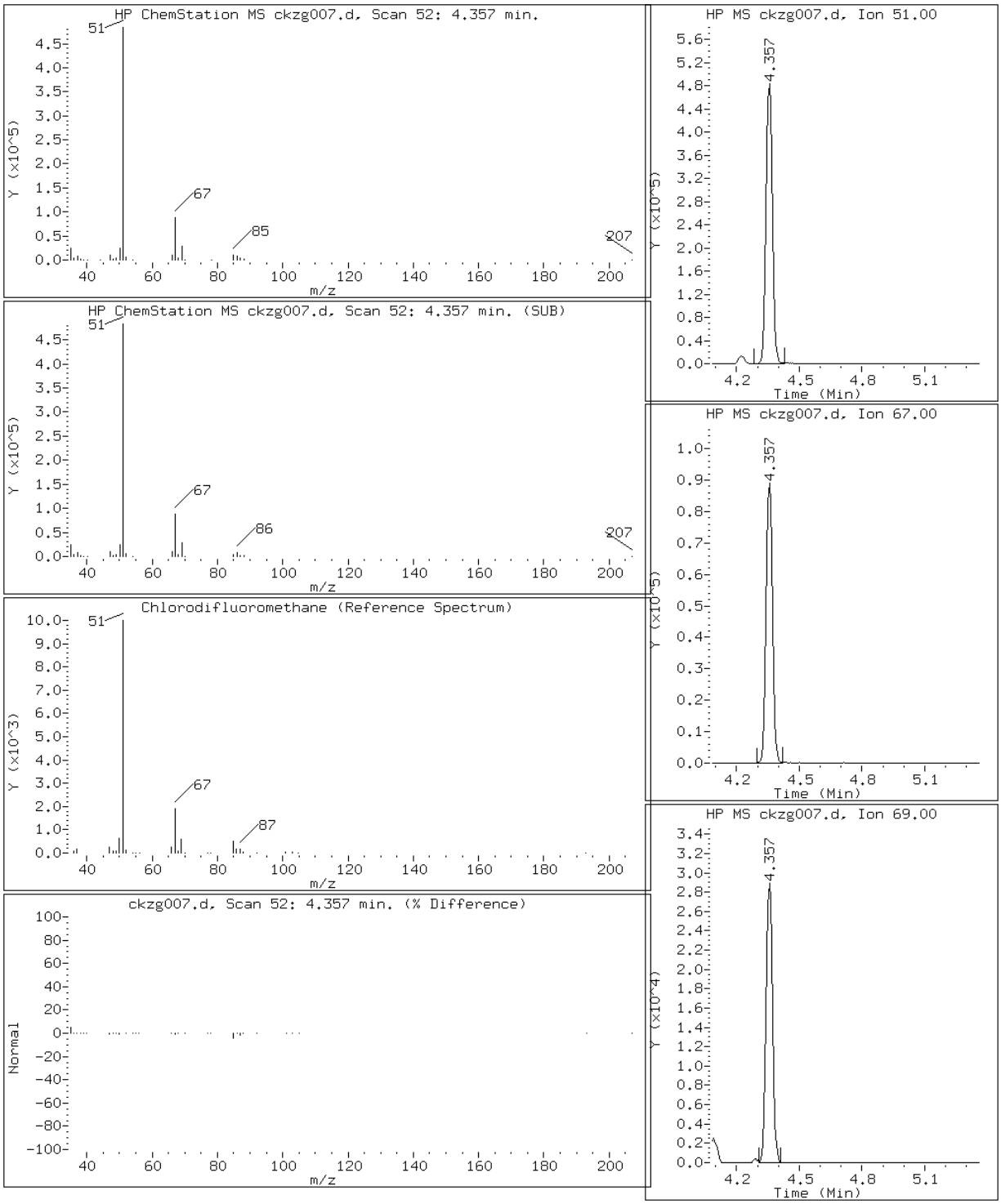
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

3 Chlorodifluoromethane



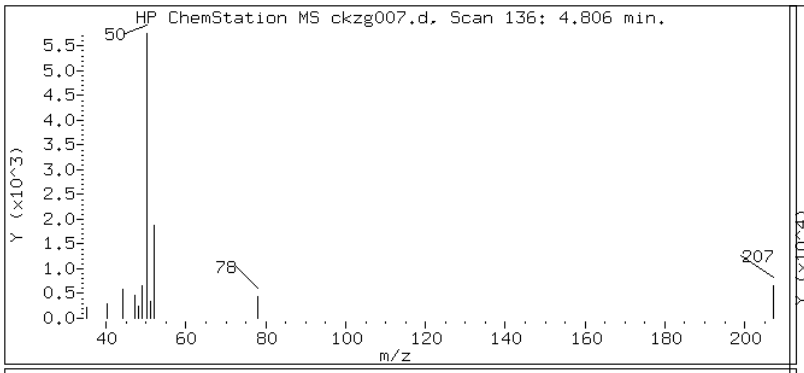
Data File: ckzg007.d

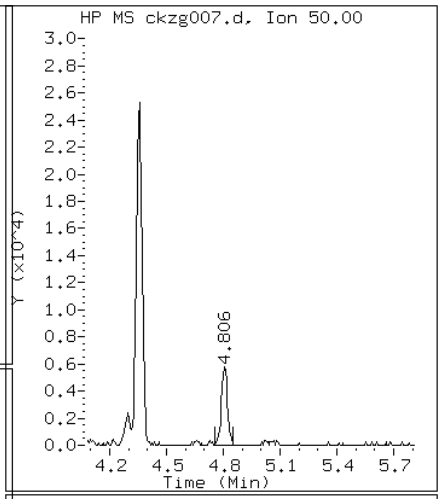
Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

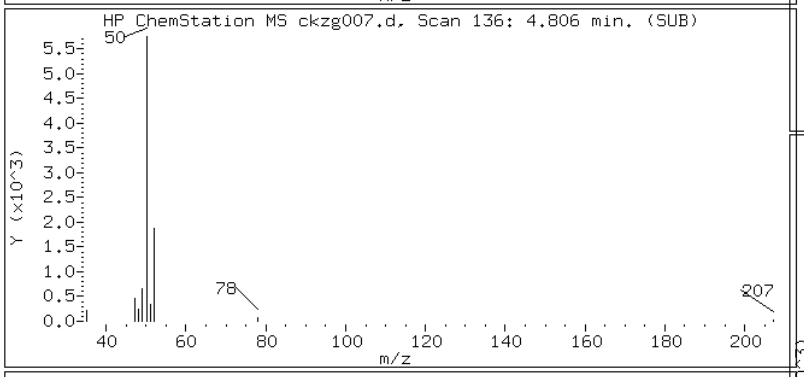
Client ID: 774VMP0101AG Instrument: C.i

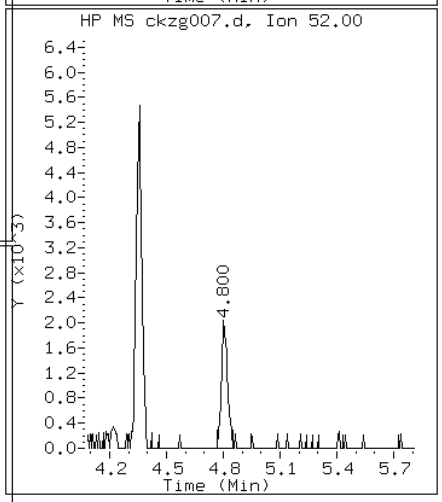
Sample Info: 280-32071-A-1 Operator: pad

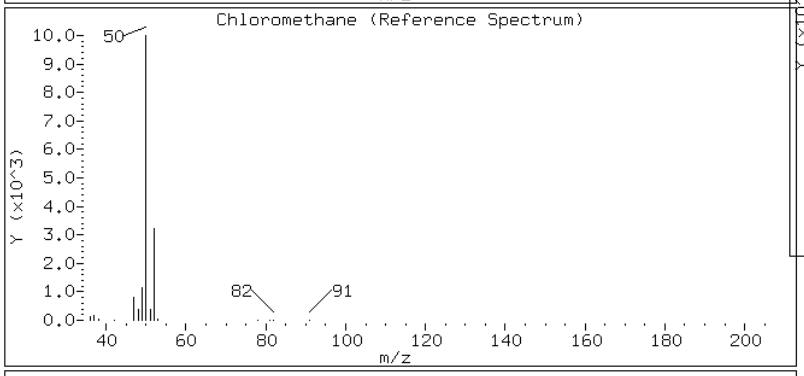
5 Chloromethane

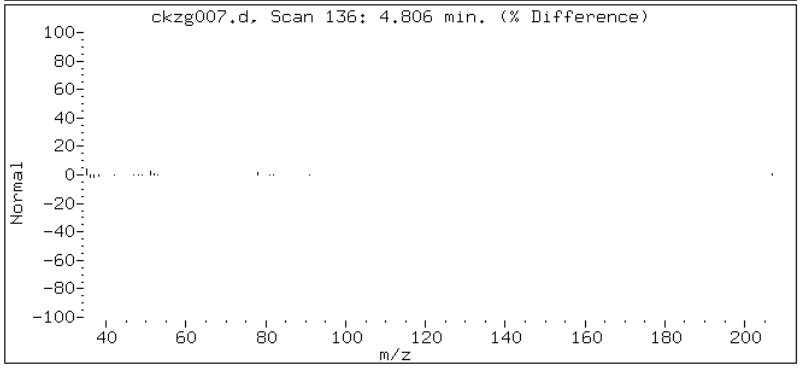












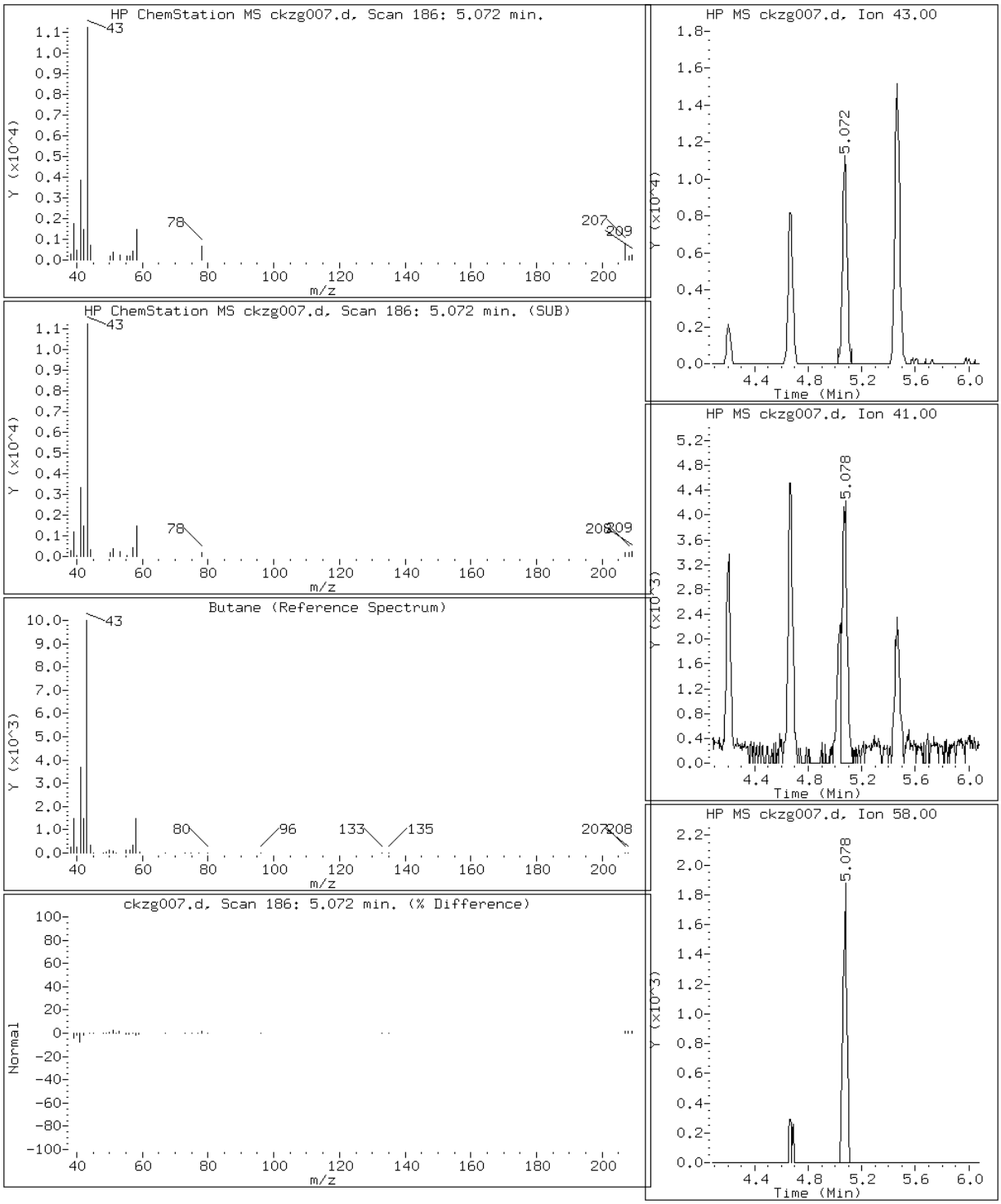
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

6 Butane



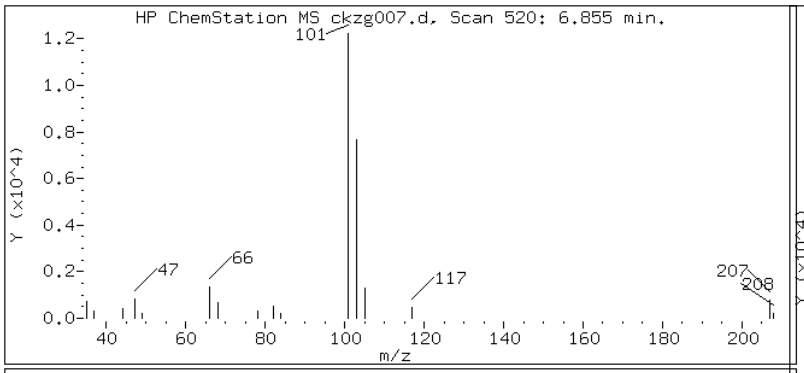
Data File: ckzg007.d

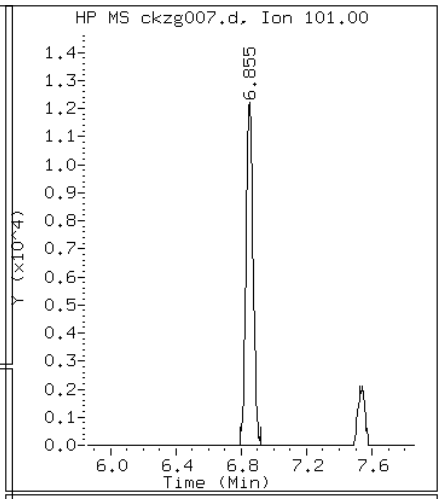
Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

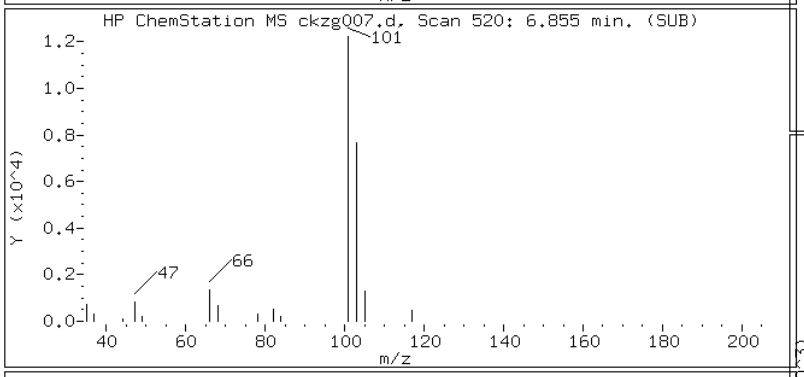
Client ID: 774VMP0101AG Instrument: C.i

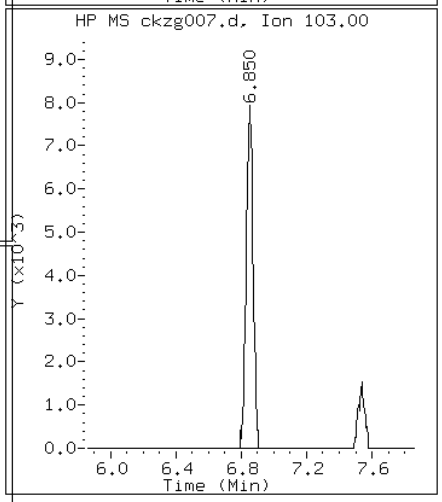
Sample Info: 280-32071-A-1 Operator: pad

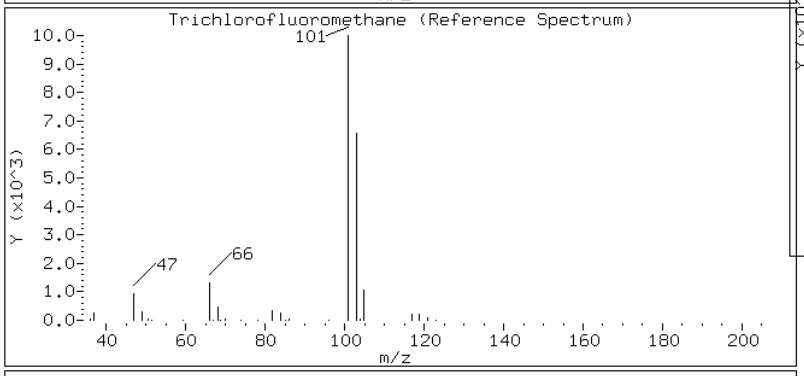
13 Trichlorofluoromethane

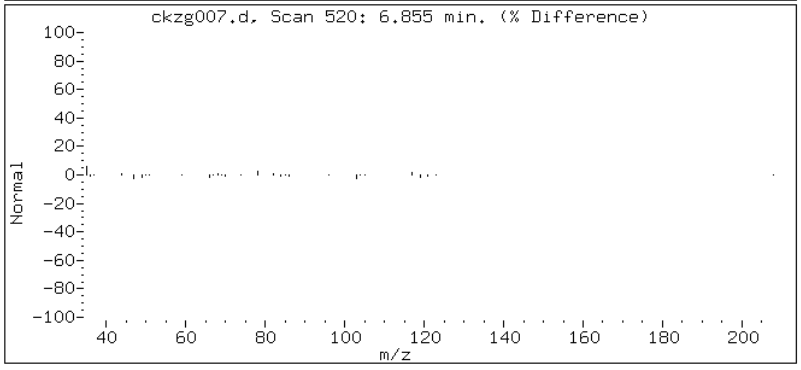












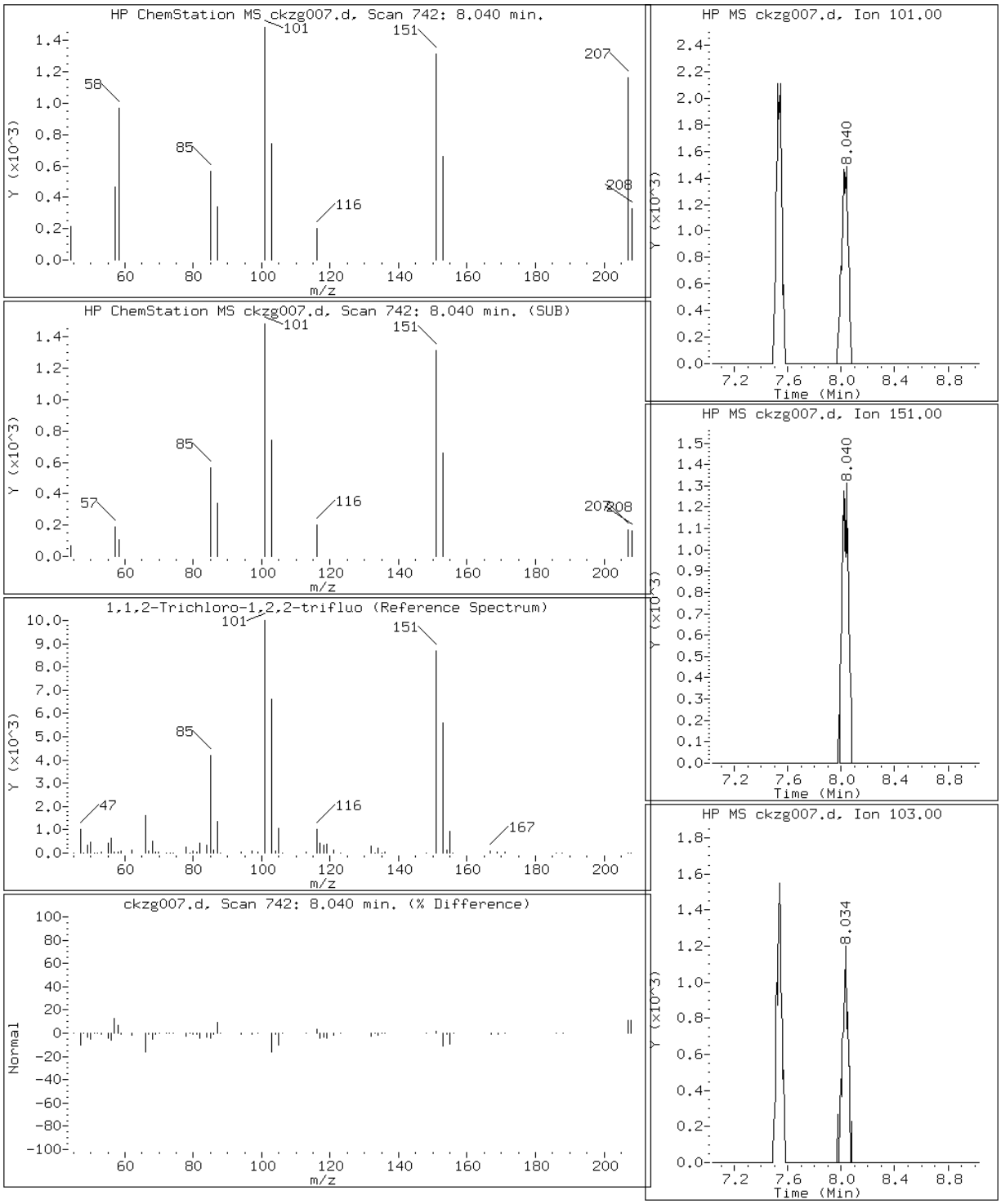
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



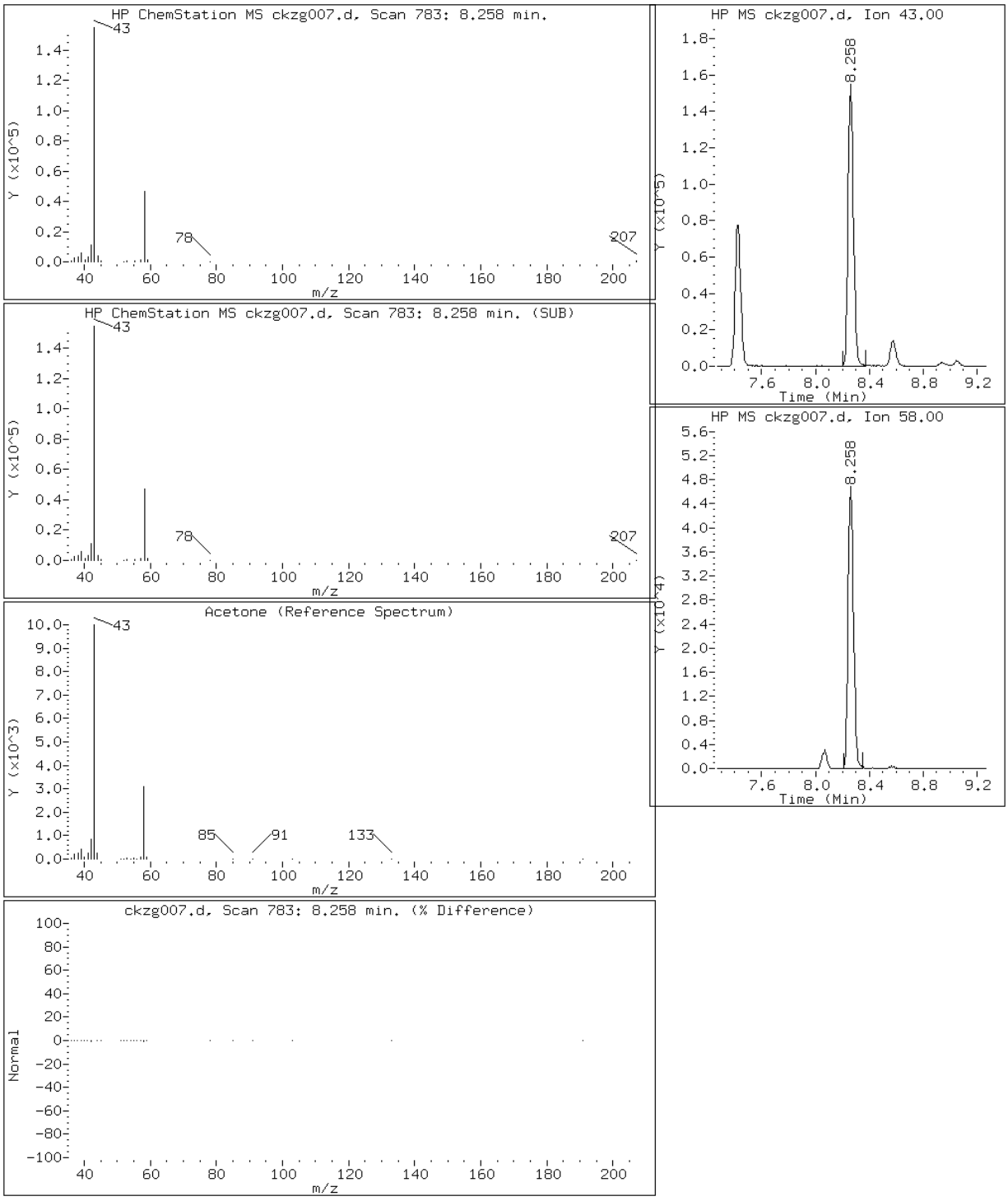
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

20 Acetone



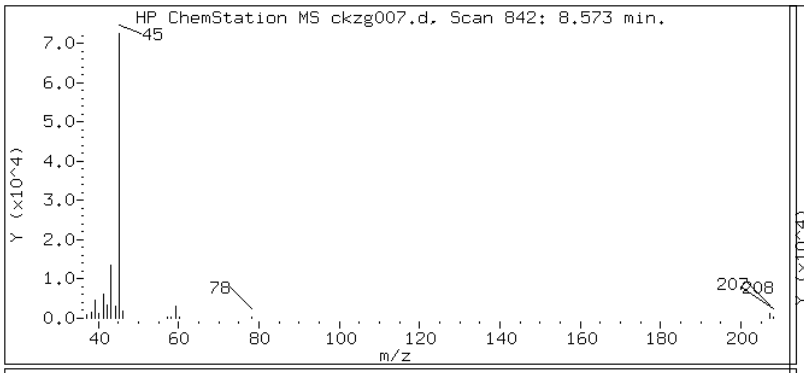
Data File: ckzg007.d

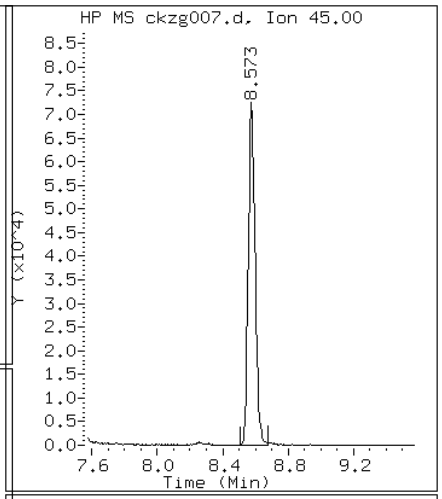
Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

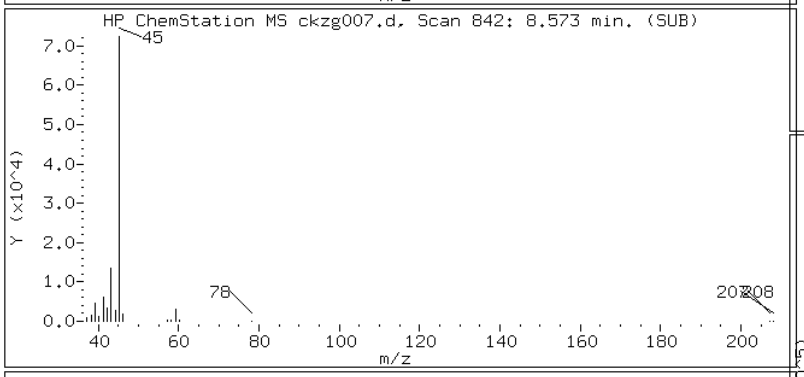
Client ID: 774VMP0101AG Instrument: C.i

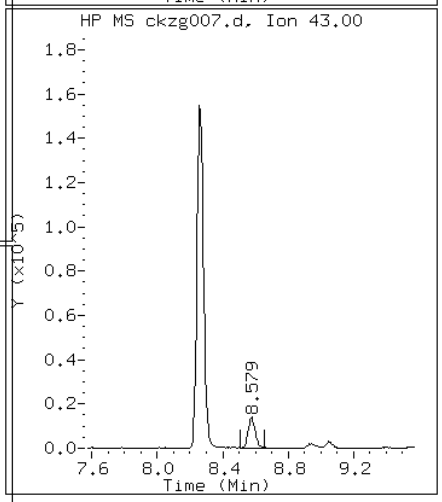
Sample Info: 280-32071-A-1 Operator: pad

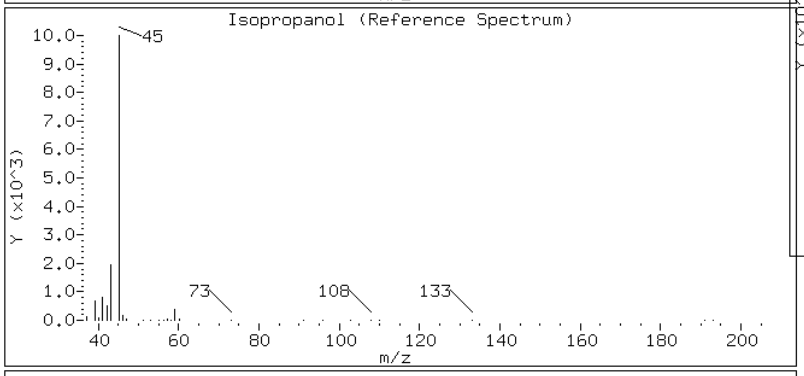
22 Isopropanol

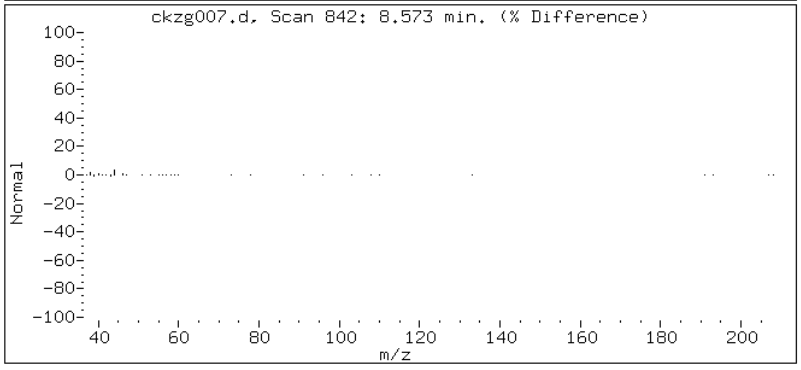












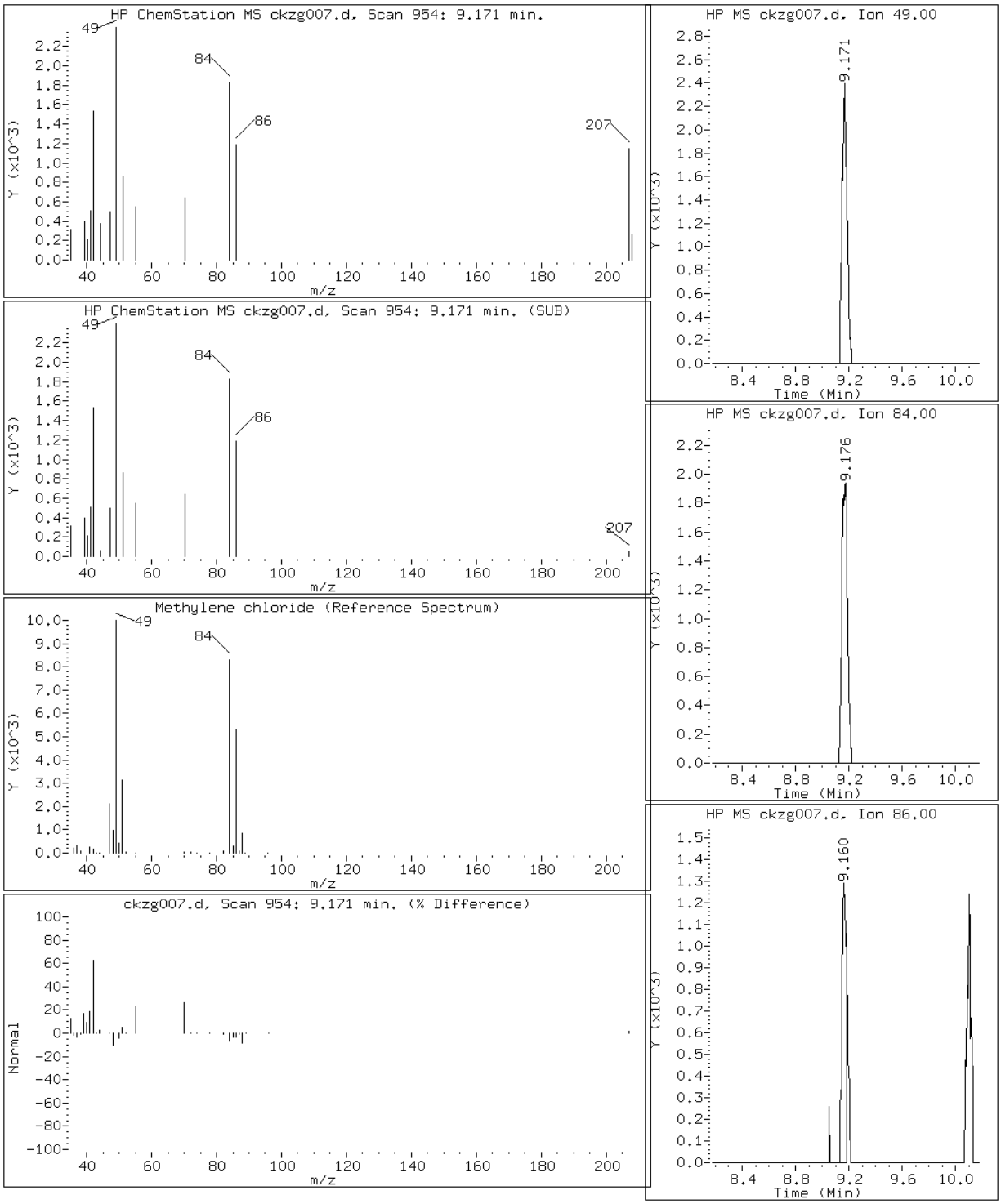
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

25 Methylene chloride



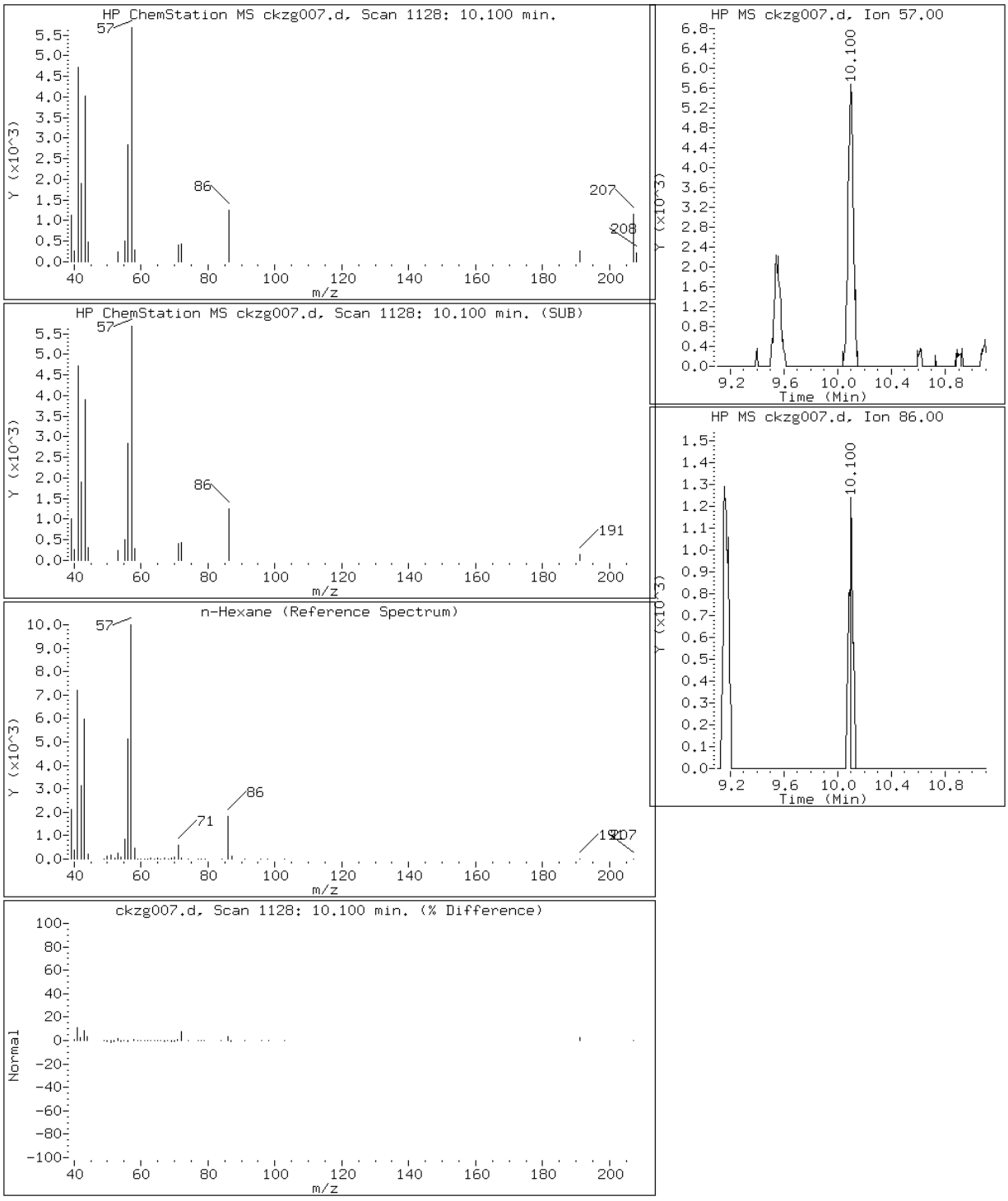
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

30 n-Hexane



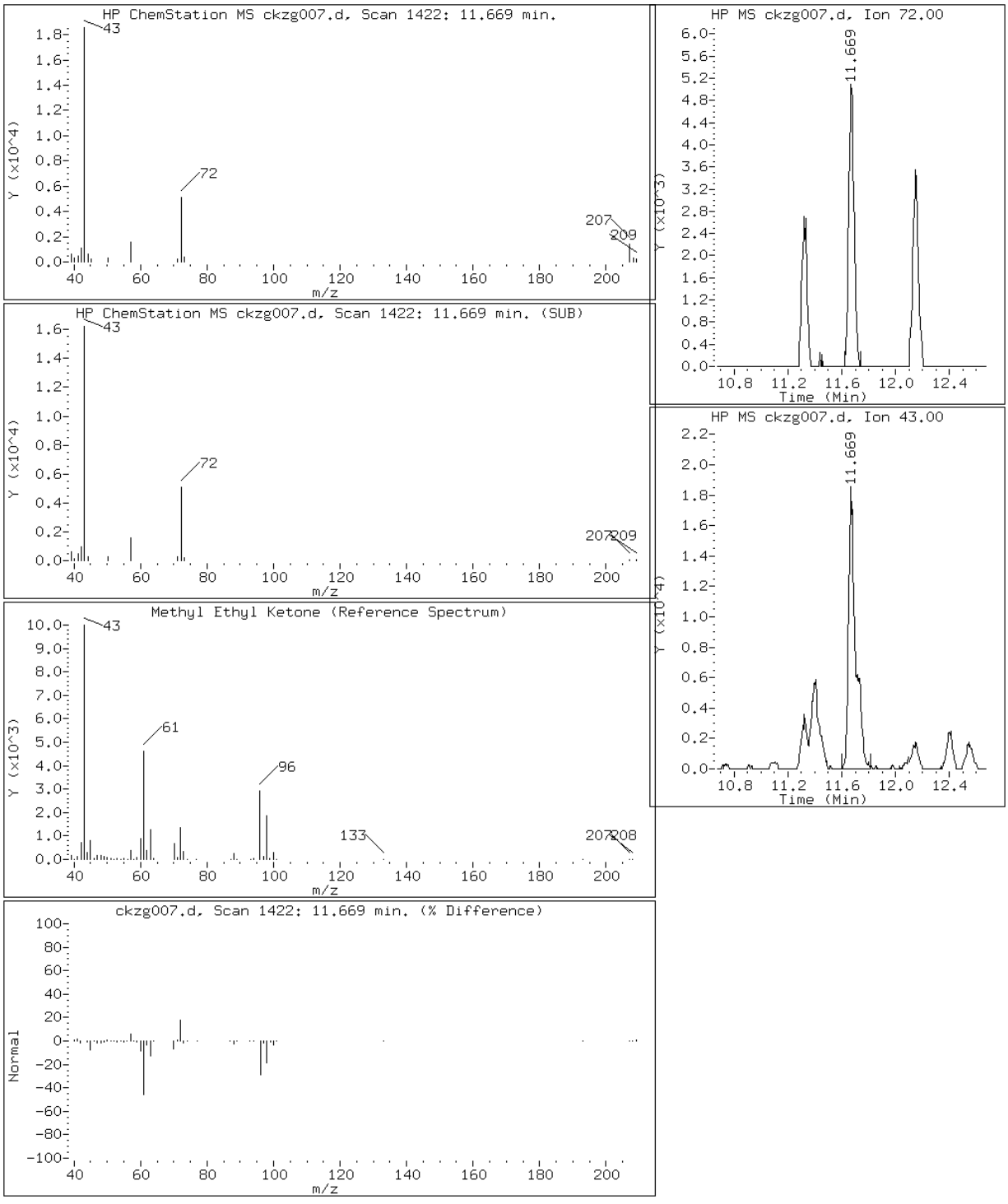
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

36 Methyl Ethyl Ketone



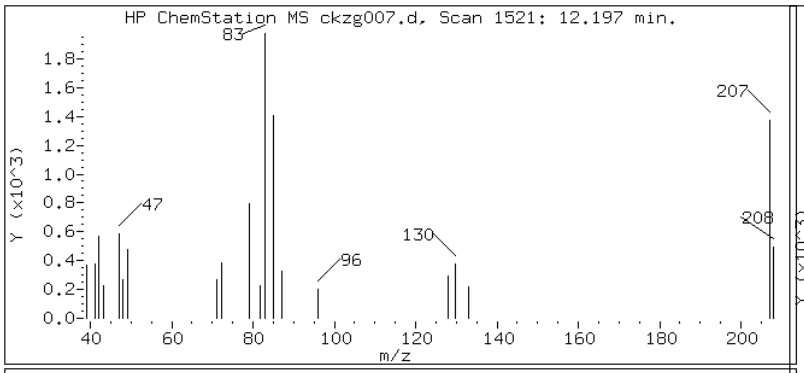
Data File: ckzg007.d

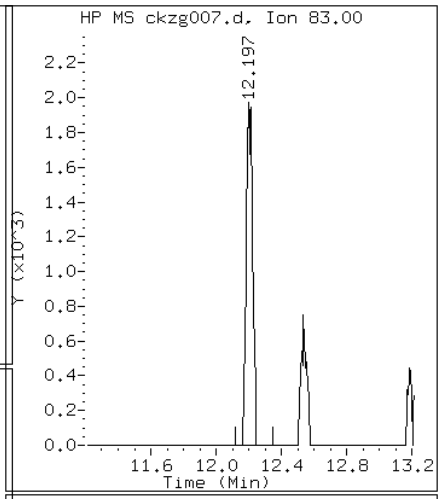
Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

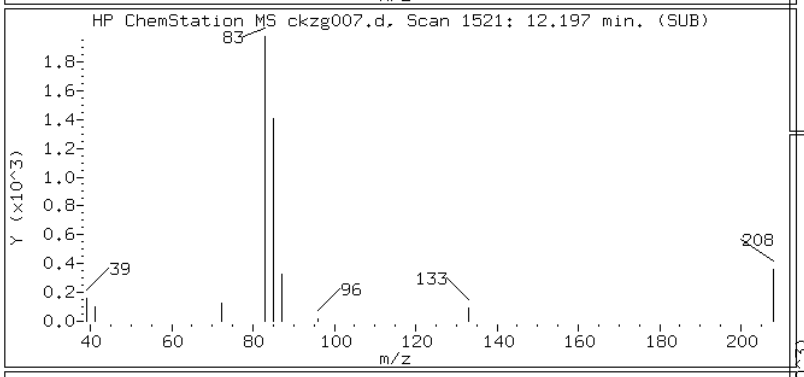
Client ID: 774VMP0101AG Instrument: C.i

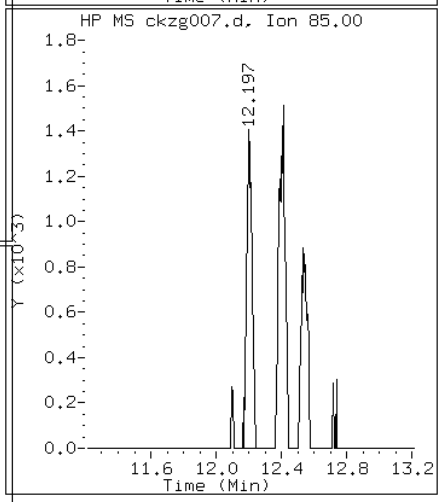
Sample Info: 280-32071-A-1 Operator: pad

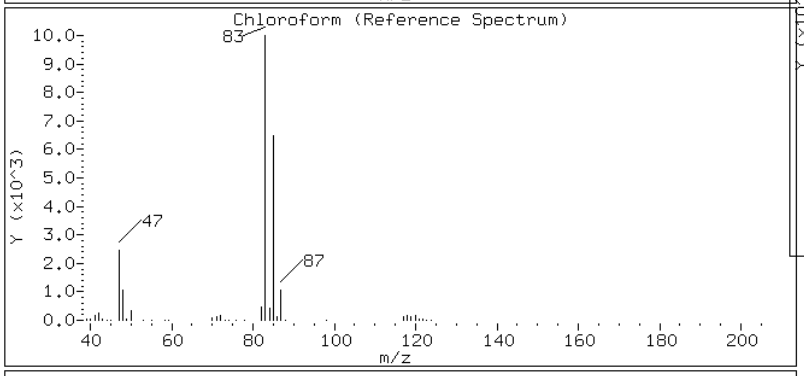
39 Chloroform

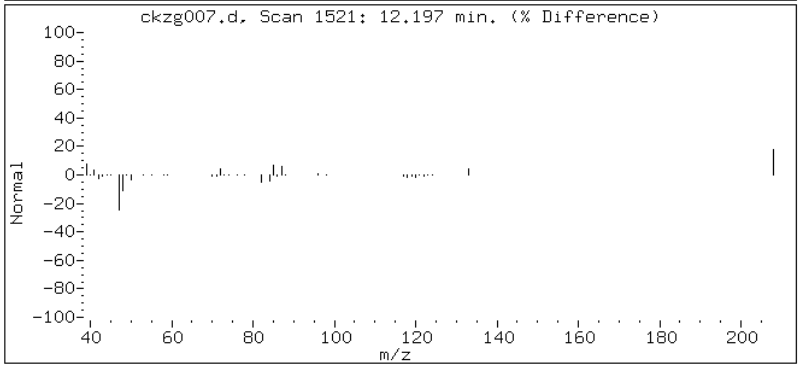












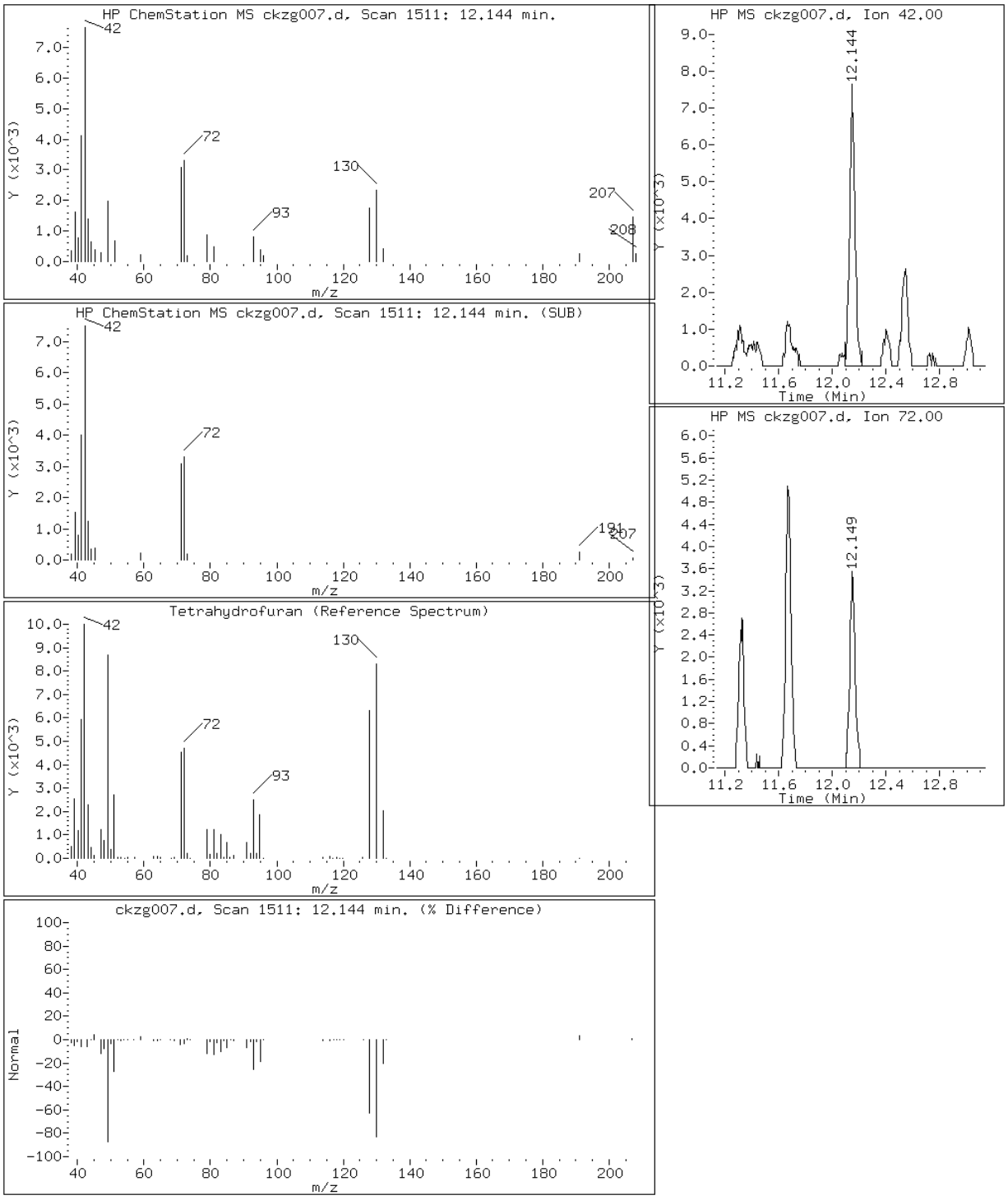
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

38 Tetrahydrofuran



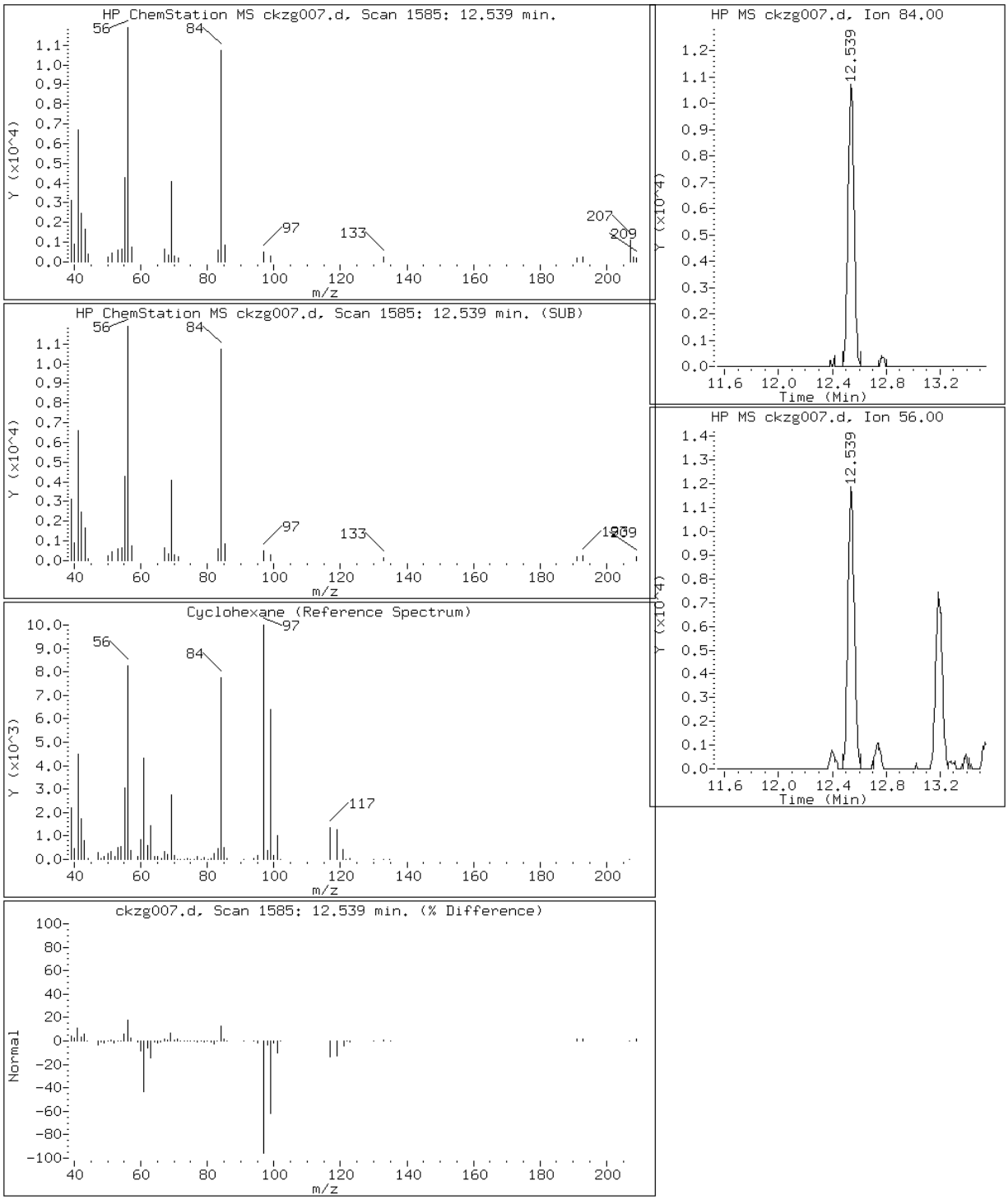
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

40 Cyclohexane



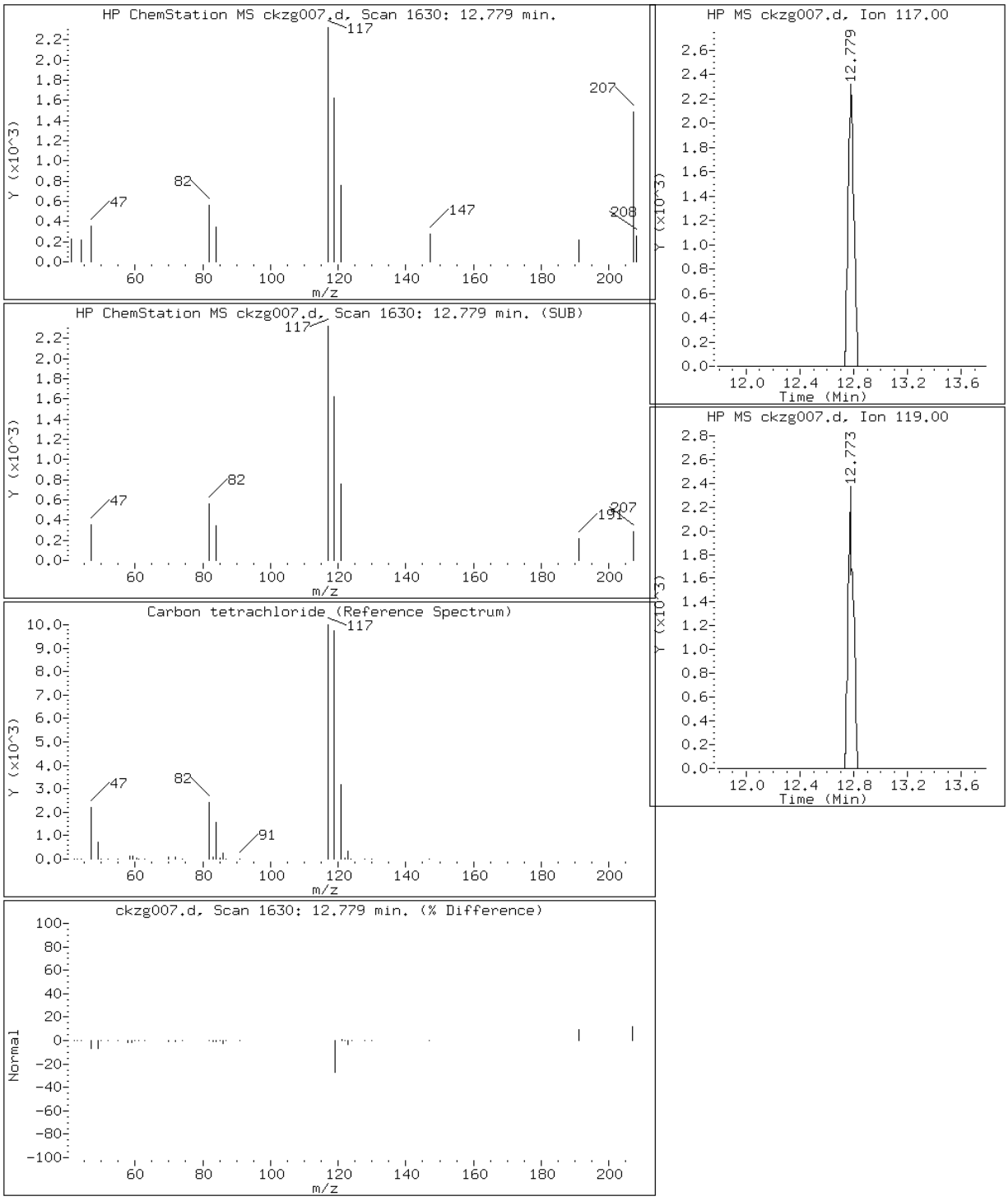
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

42 Carbon tetrachloride



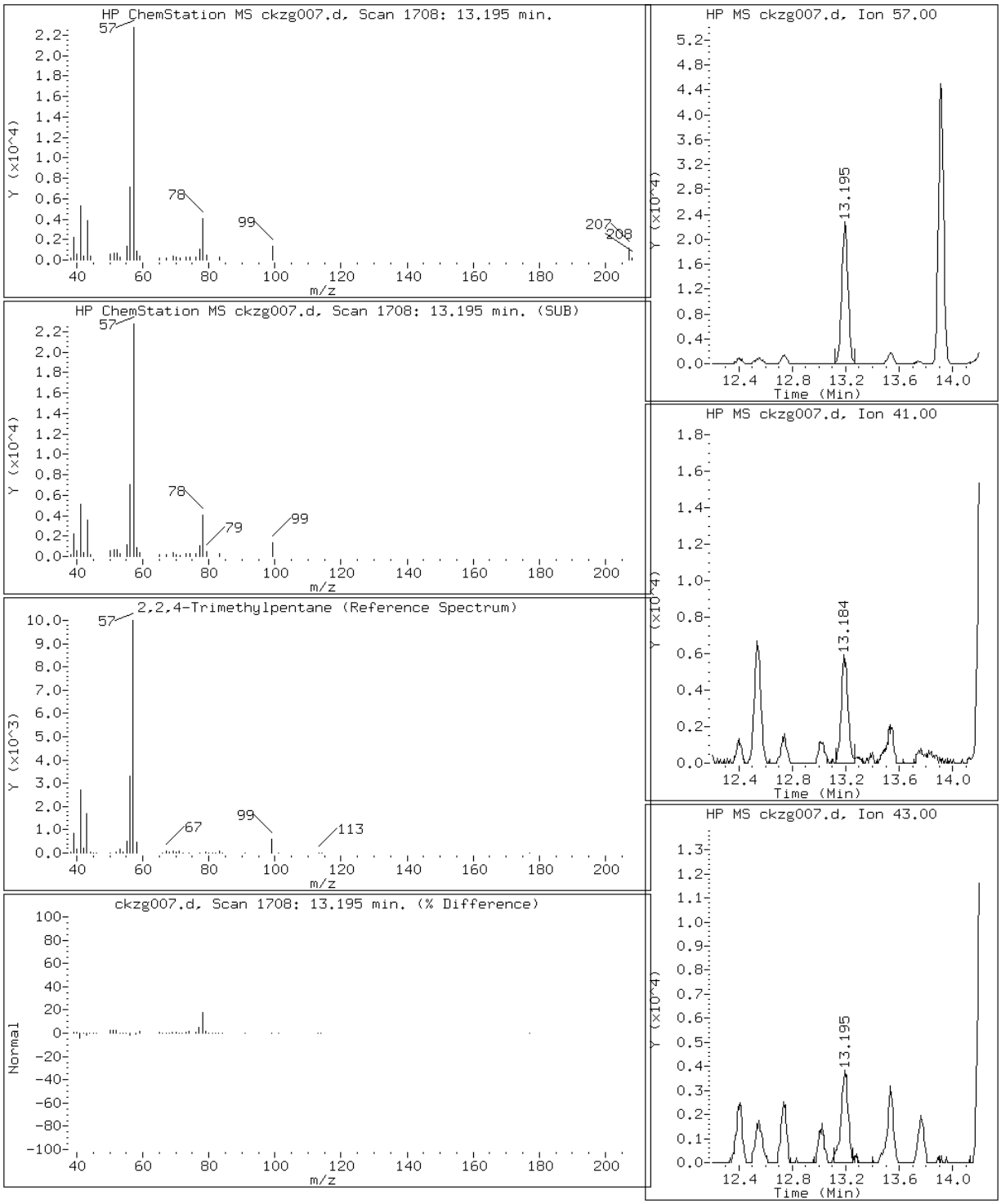
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

43 2,2,4-Trimethylpentane



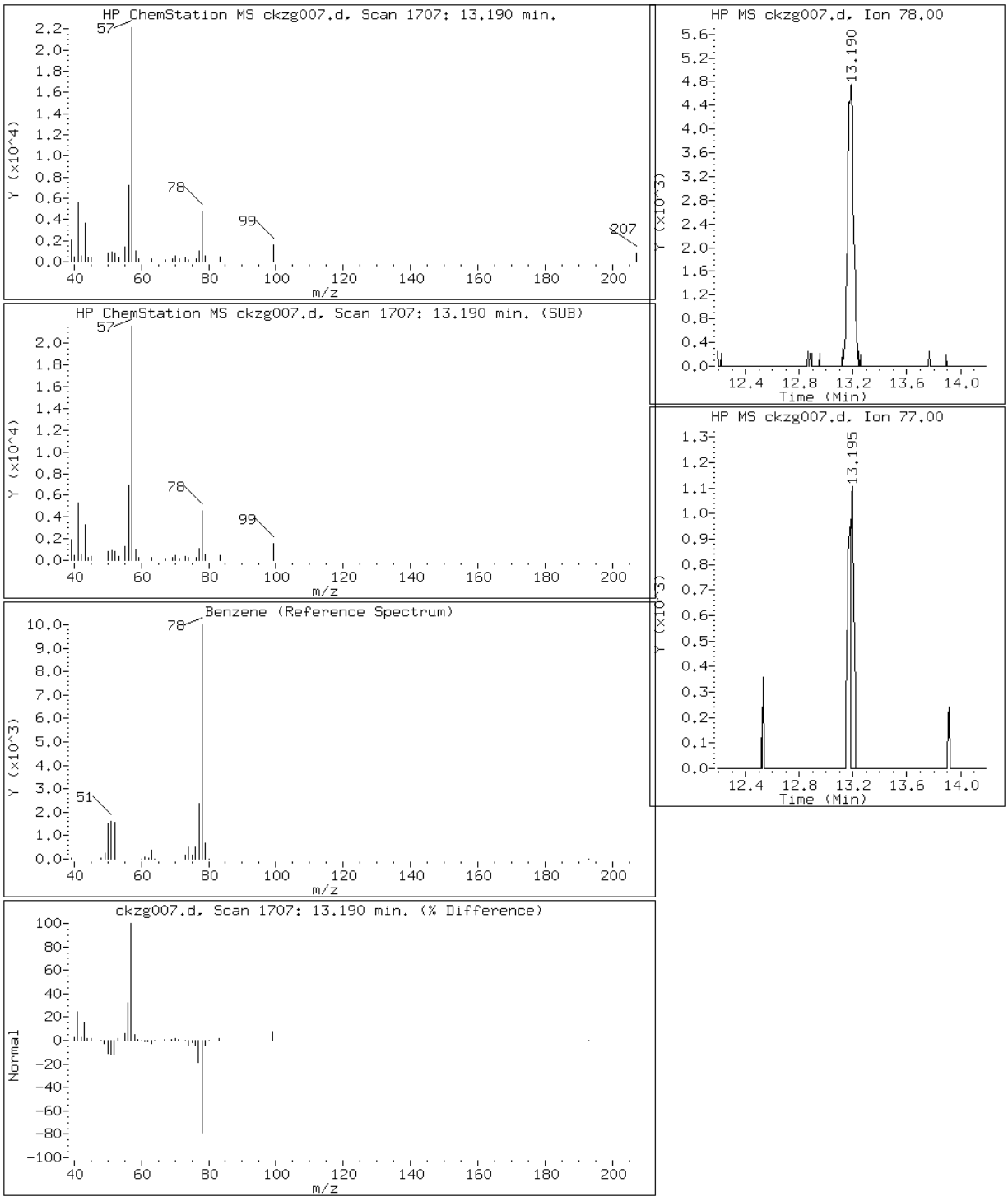
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

44 Benzene



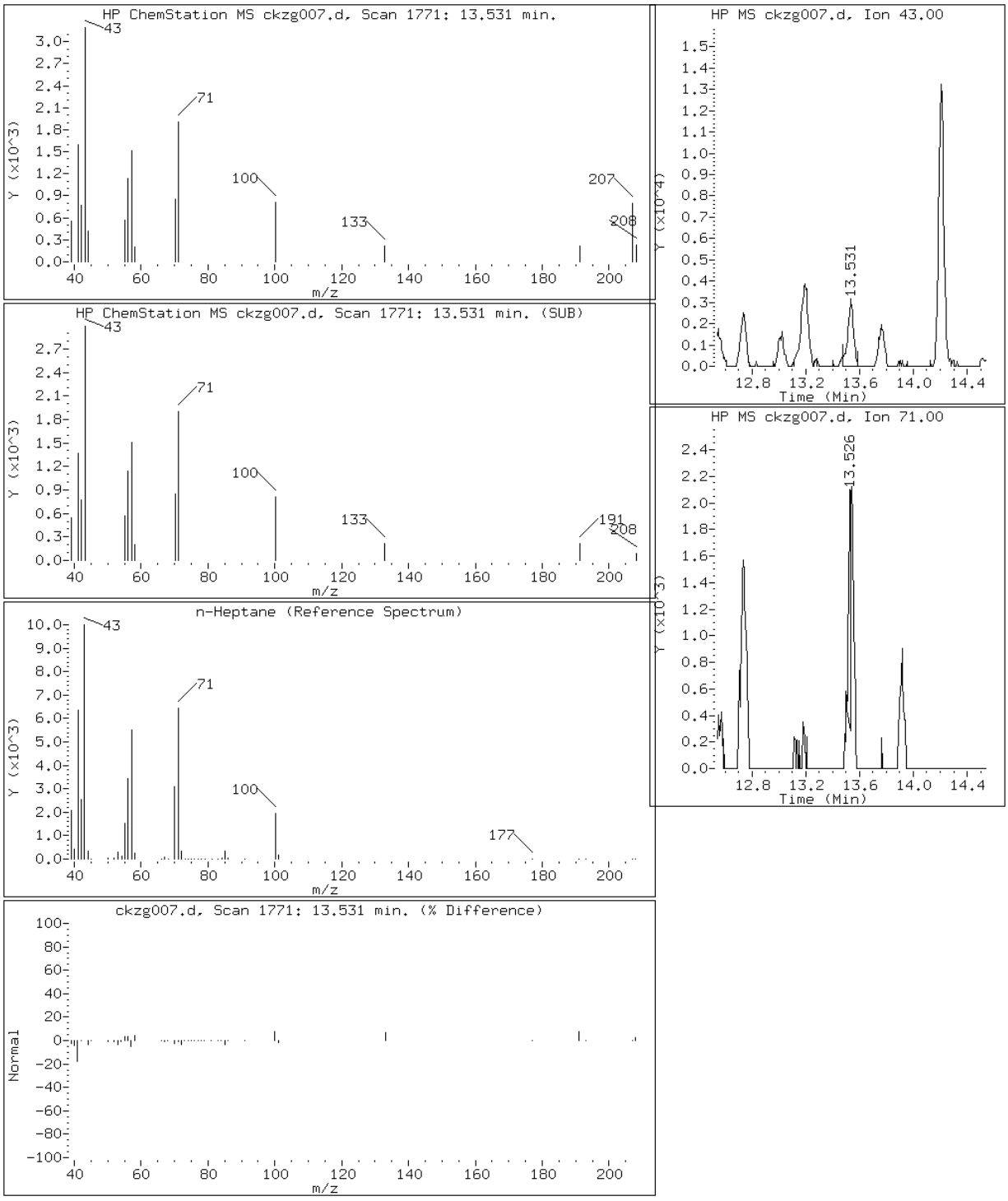
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

46 n-Heptane



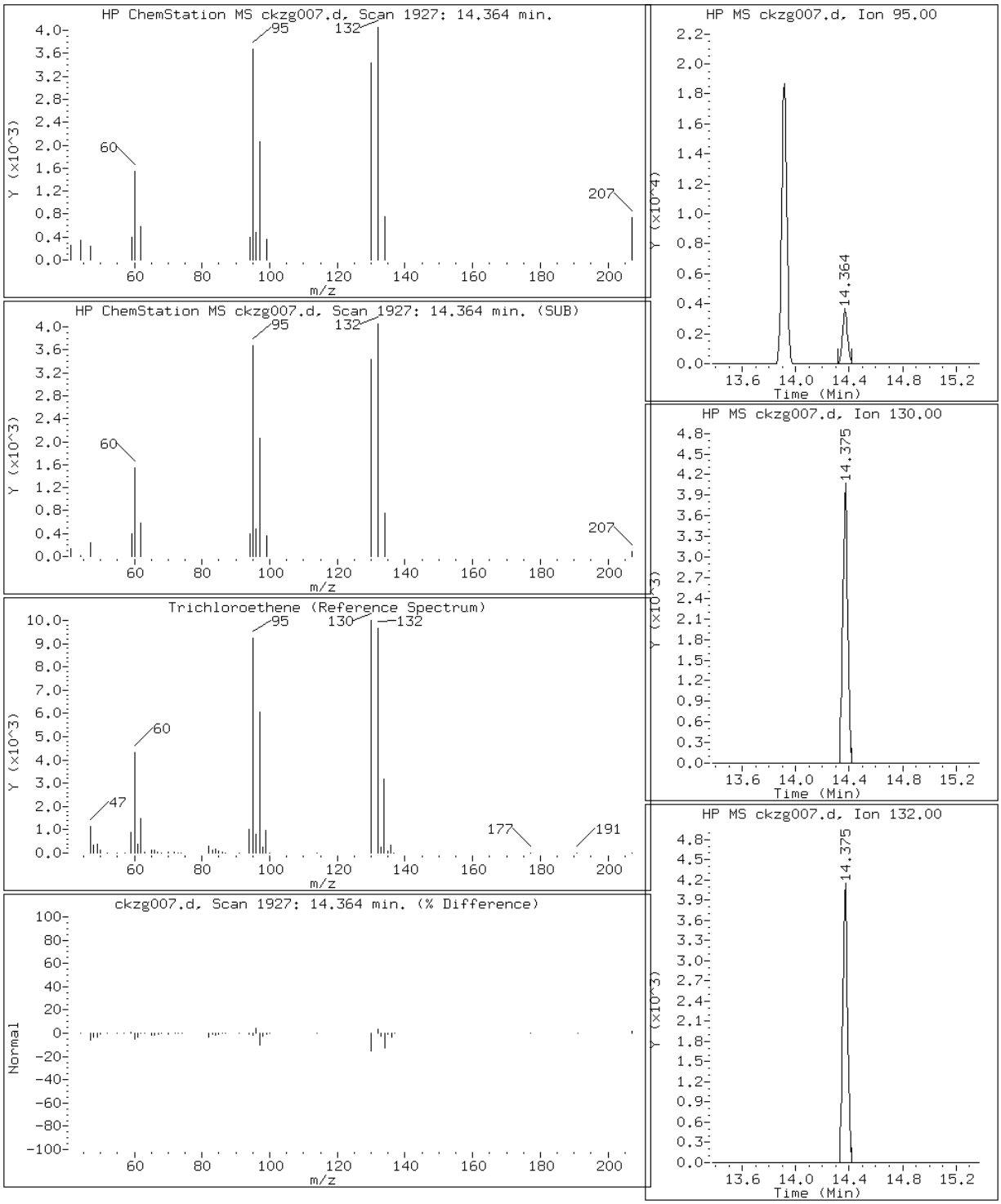
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

49 Trichloroethene



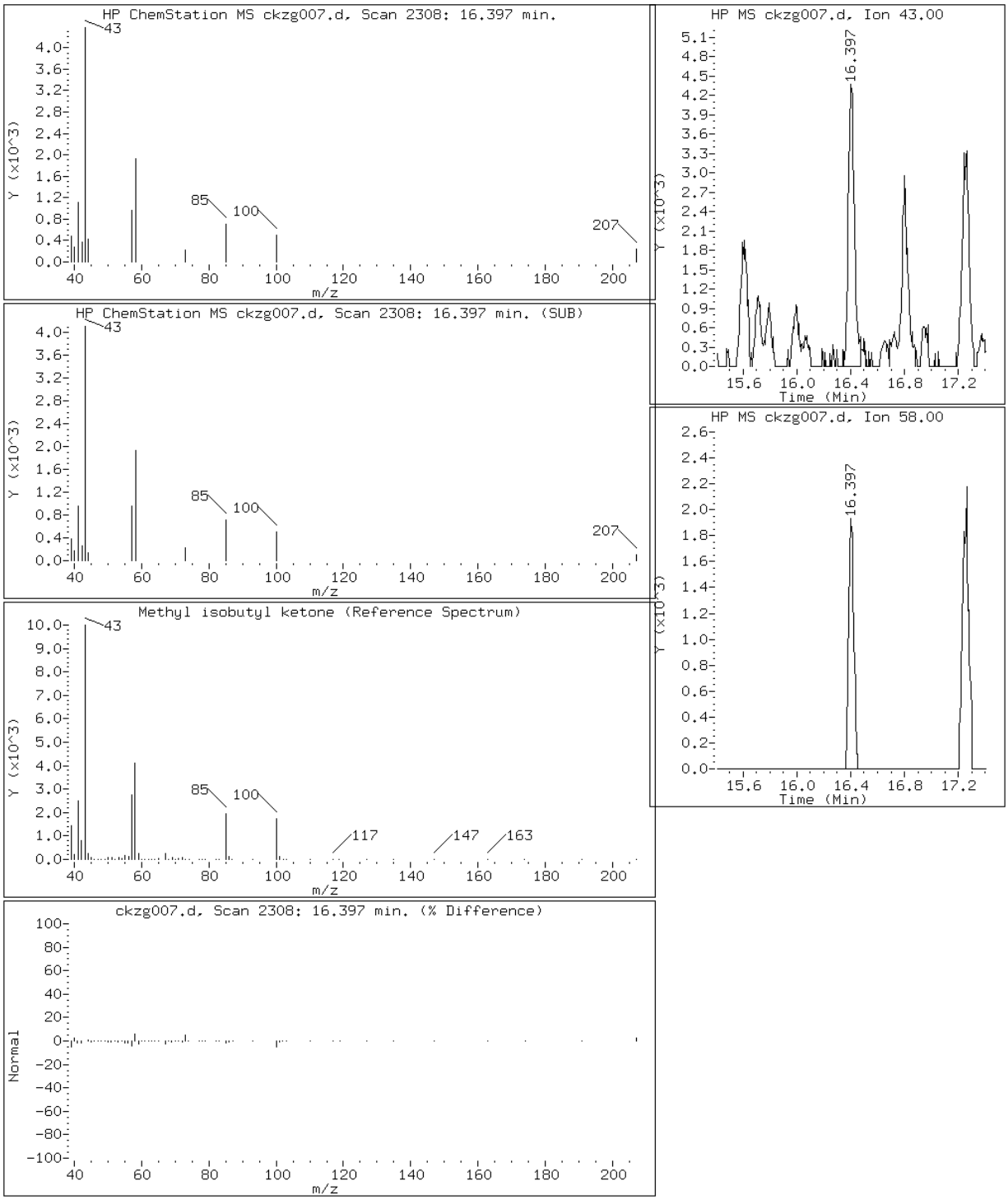
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

56 Methyl isobutyl ketone



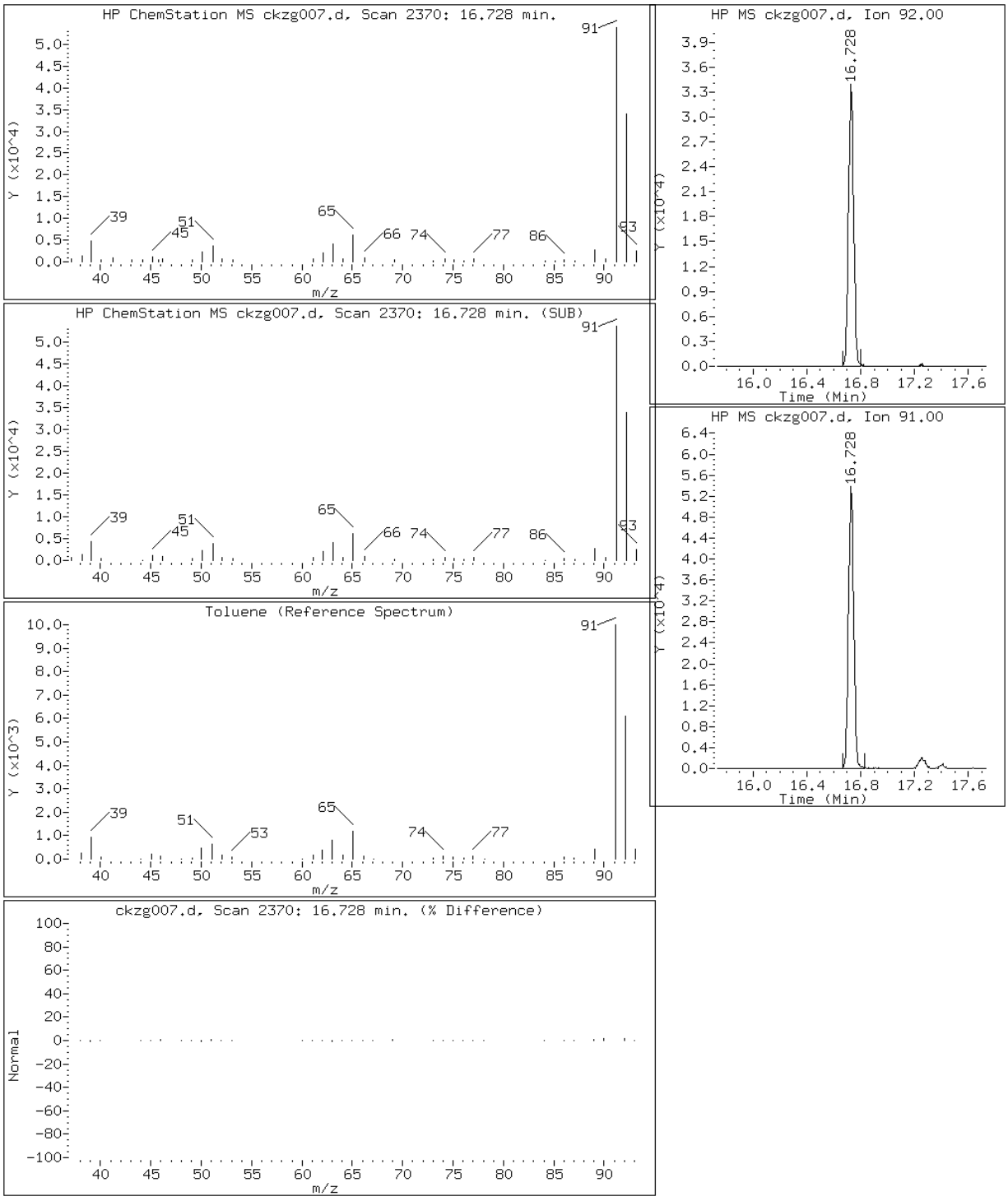
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

58 Toluene



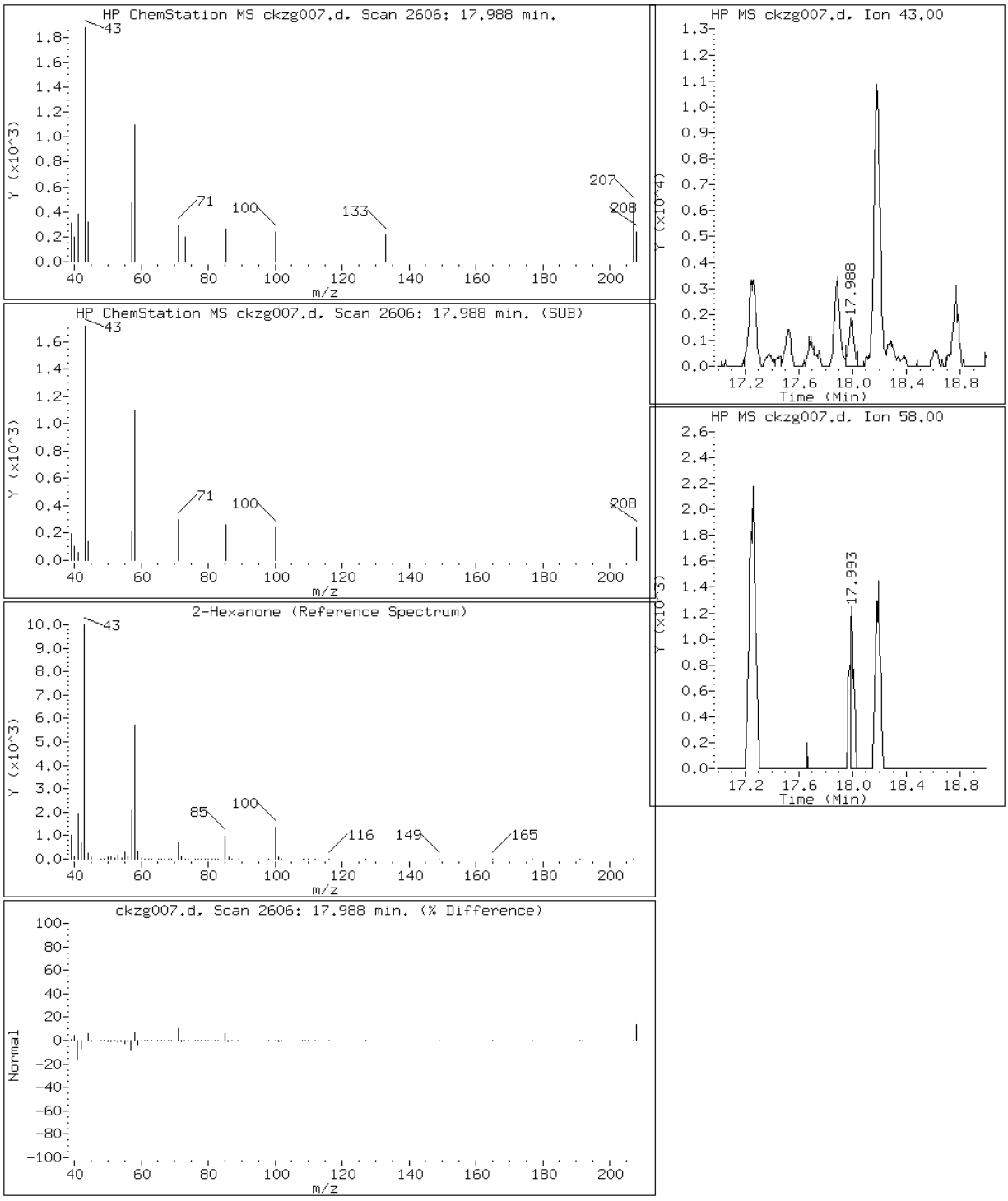
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

62 2-Hexanone



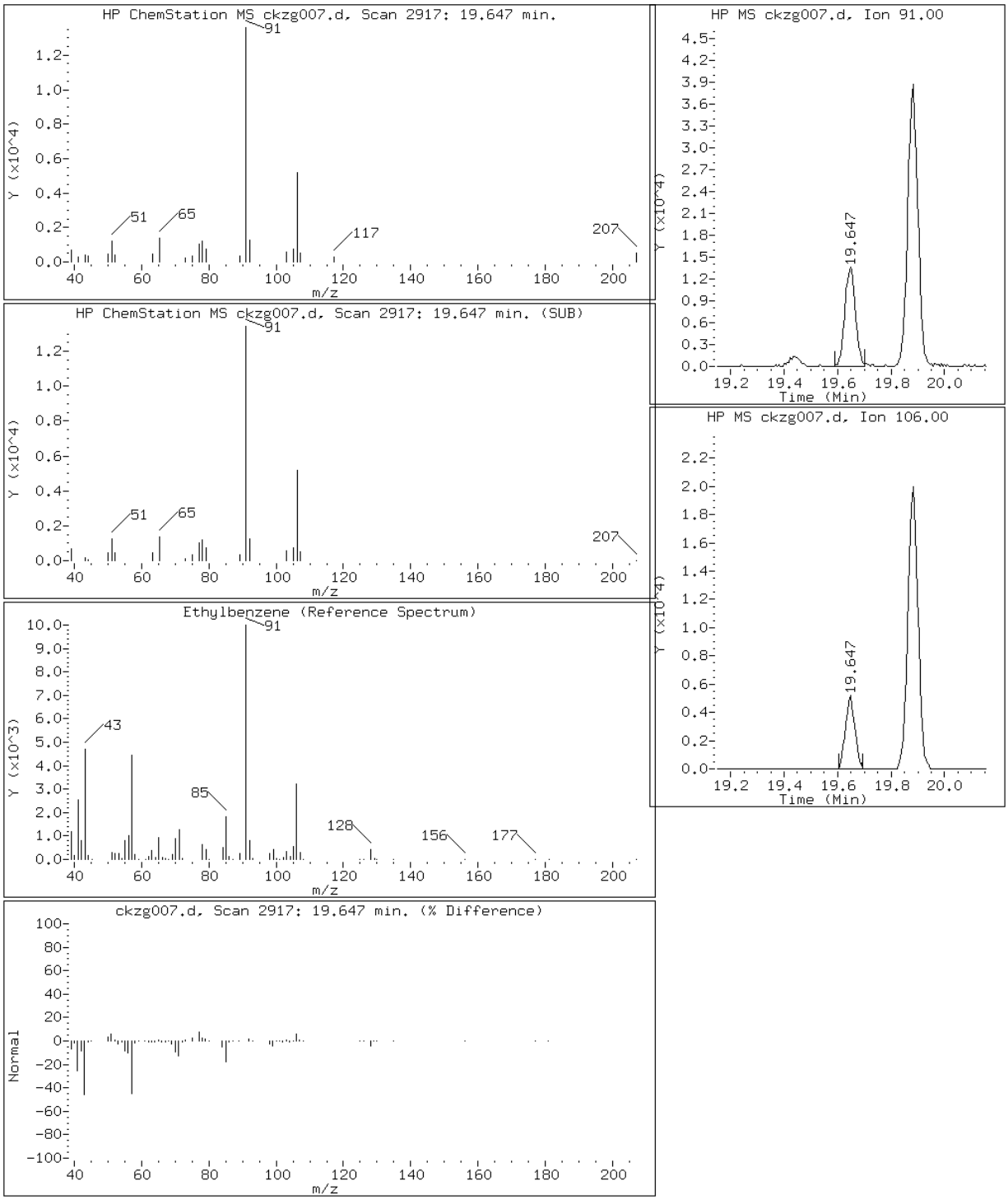
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

68 Ethylbenzene



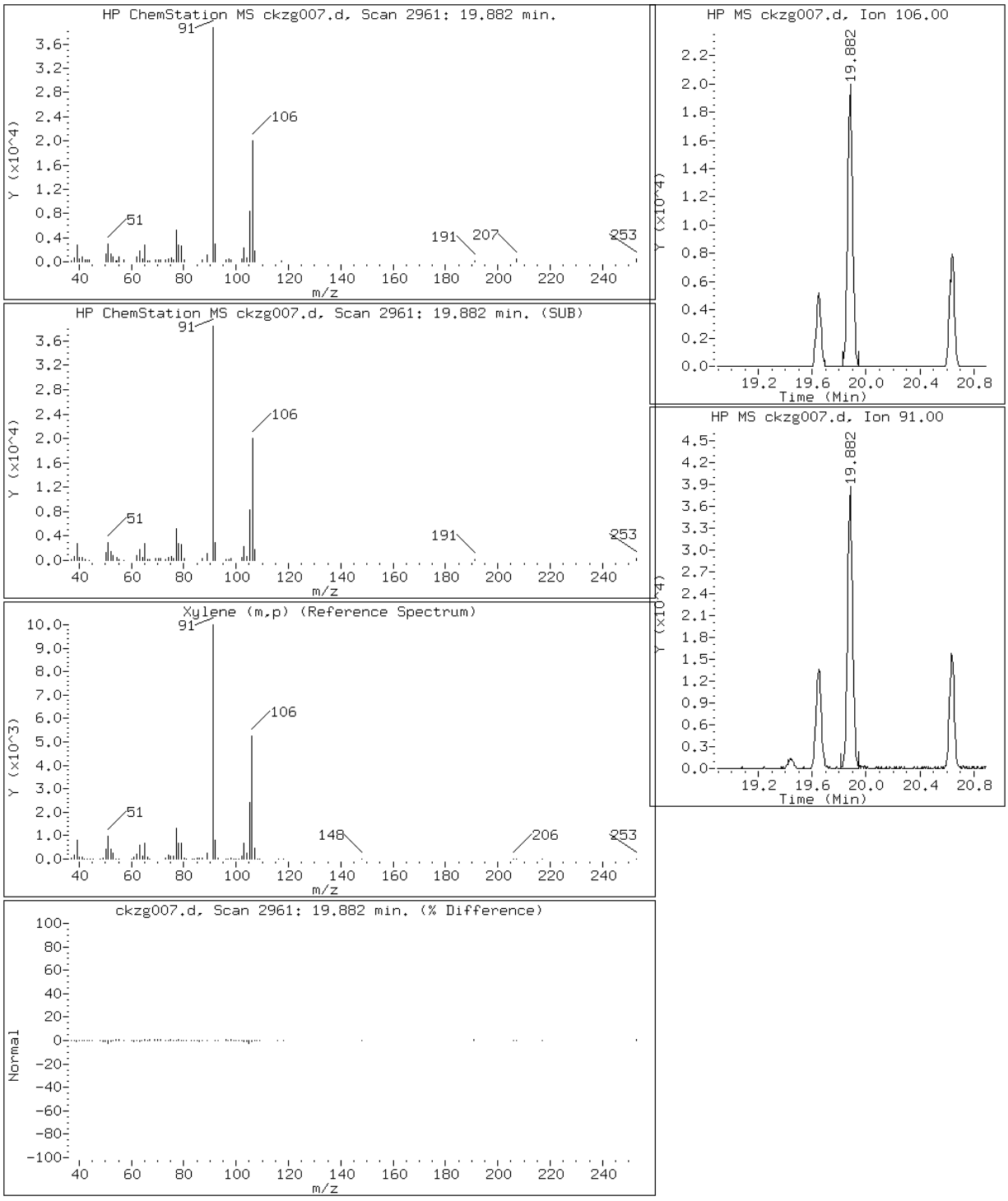
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

69 Xylene (m,p)



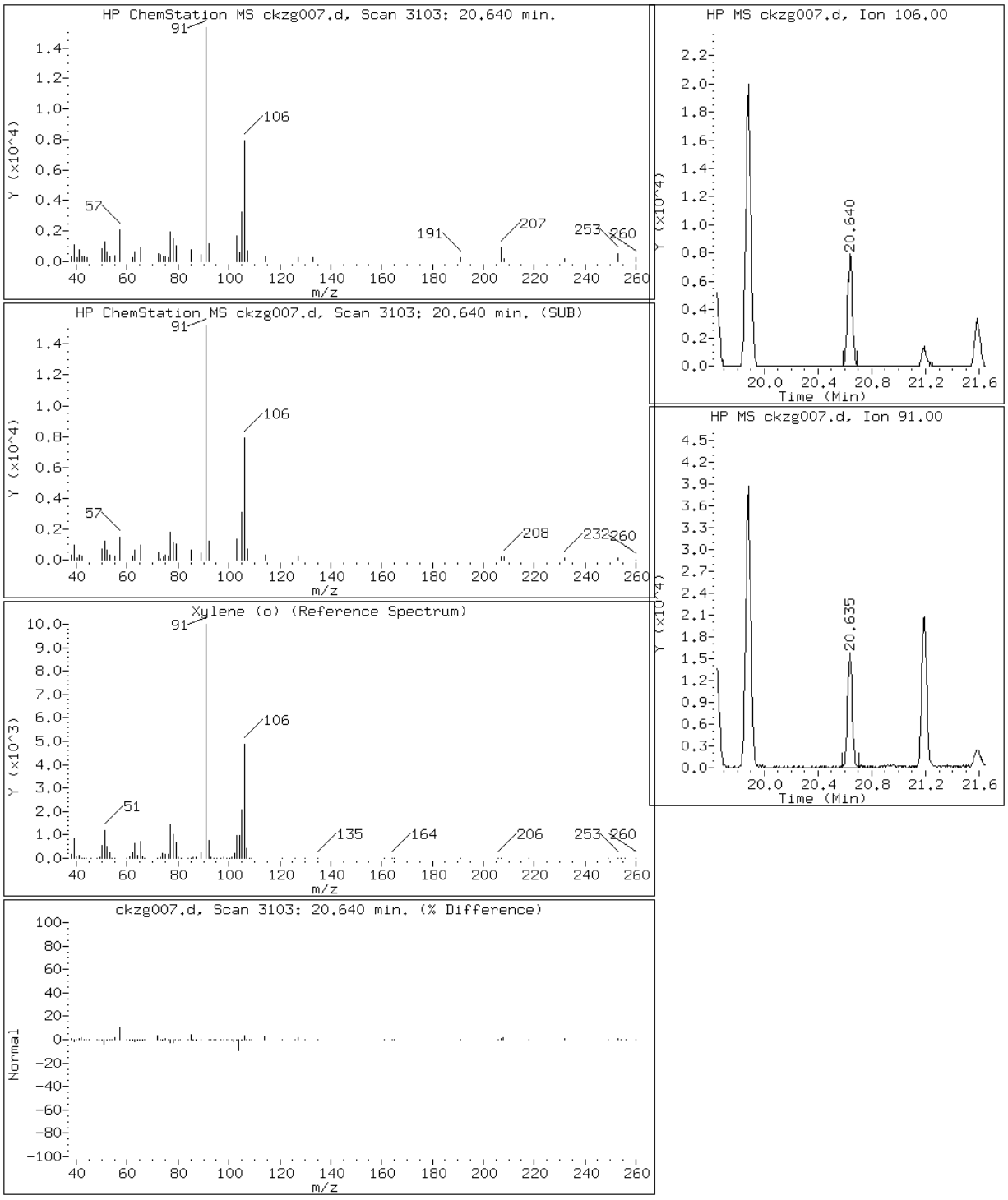
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

71 Xylene (o)



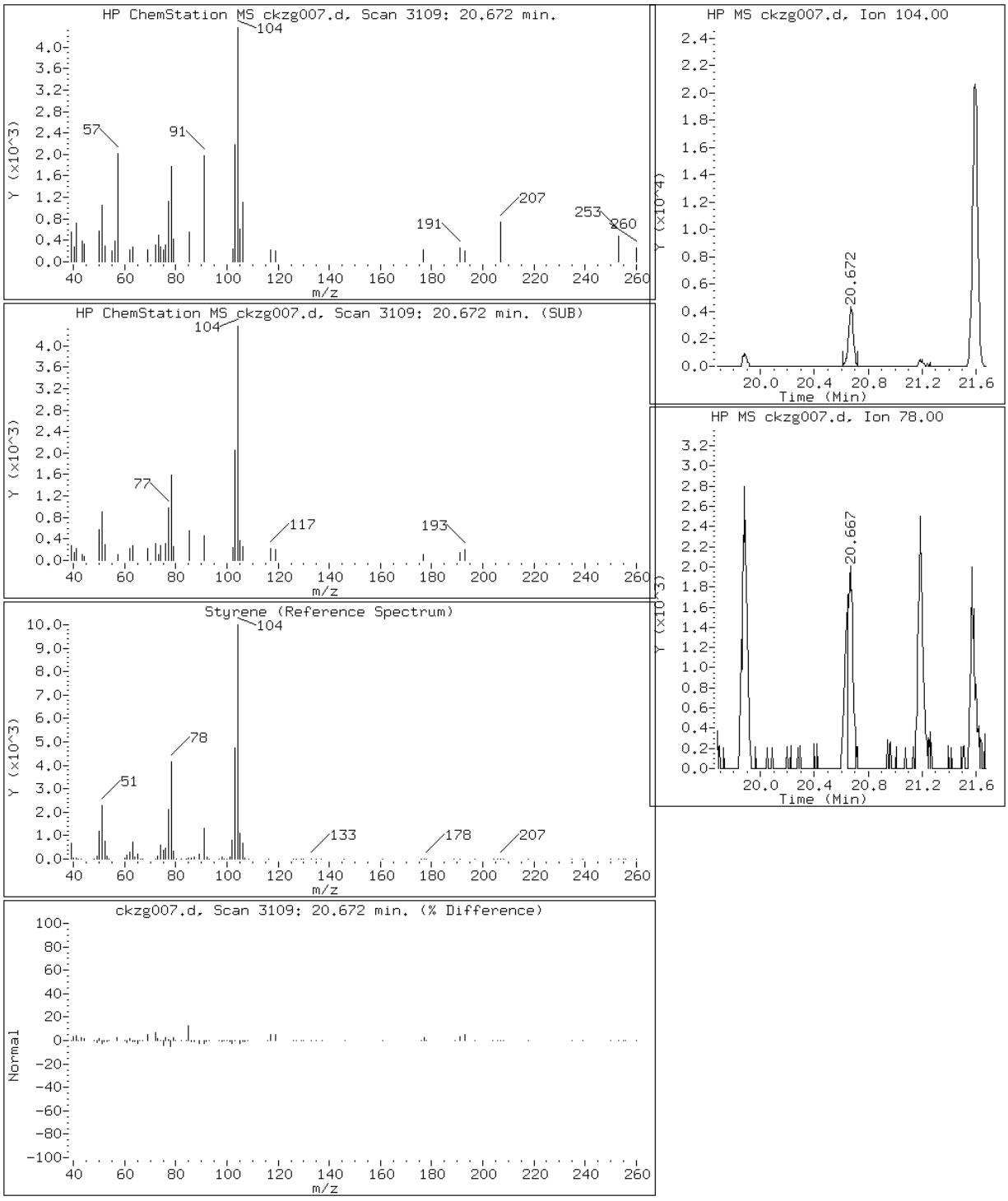
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

72 Styrene



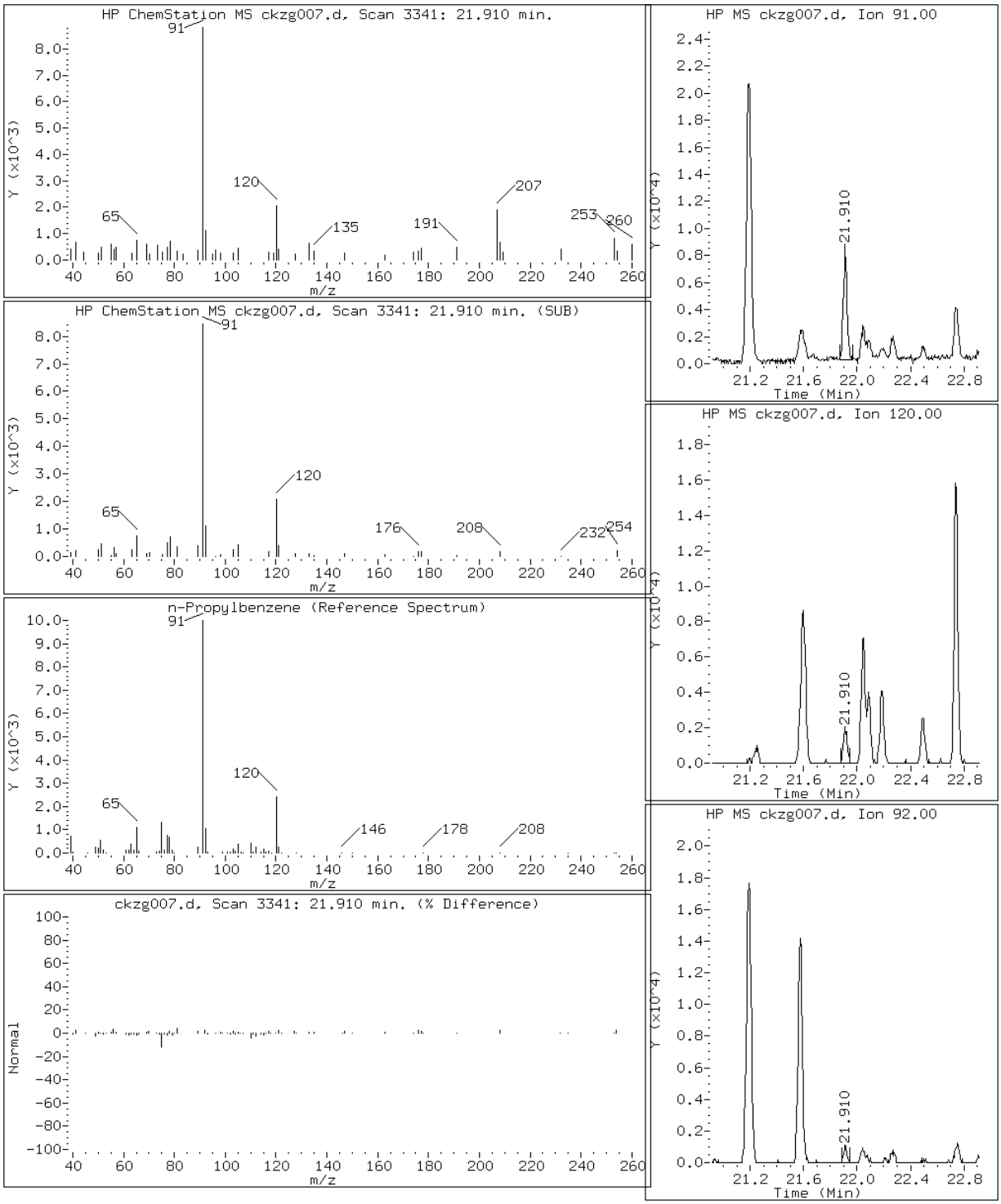
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

76 n-Propylbenzene



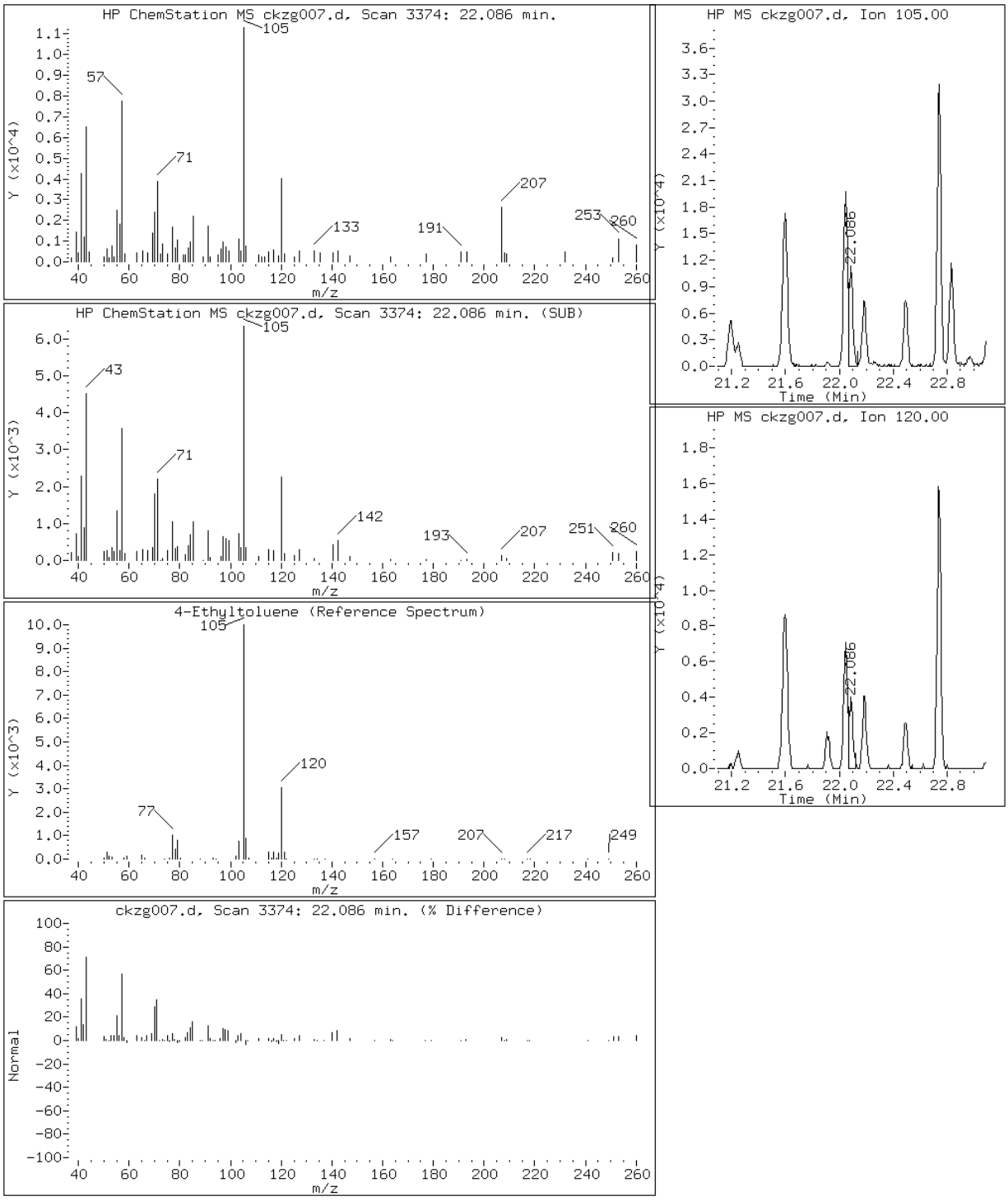
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

79 4-Ethyltoluene



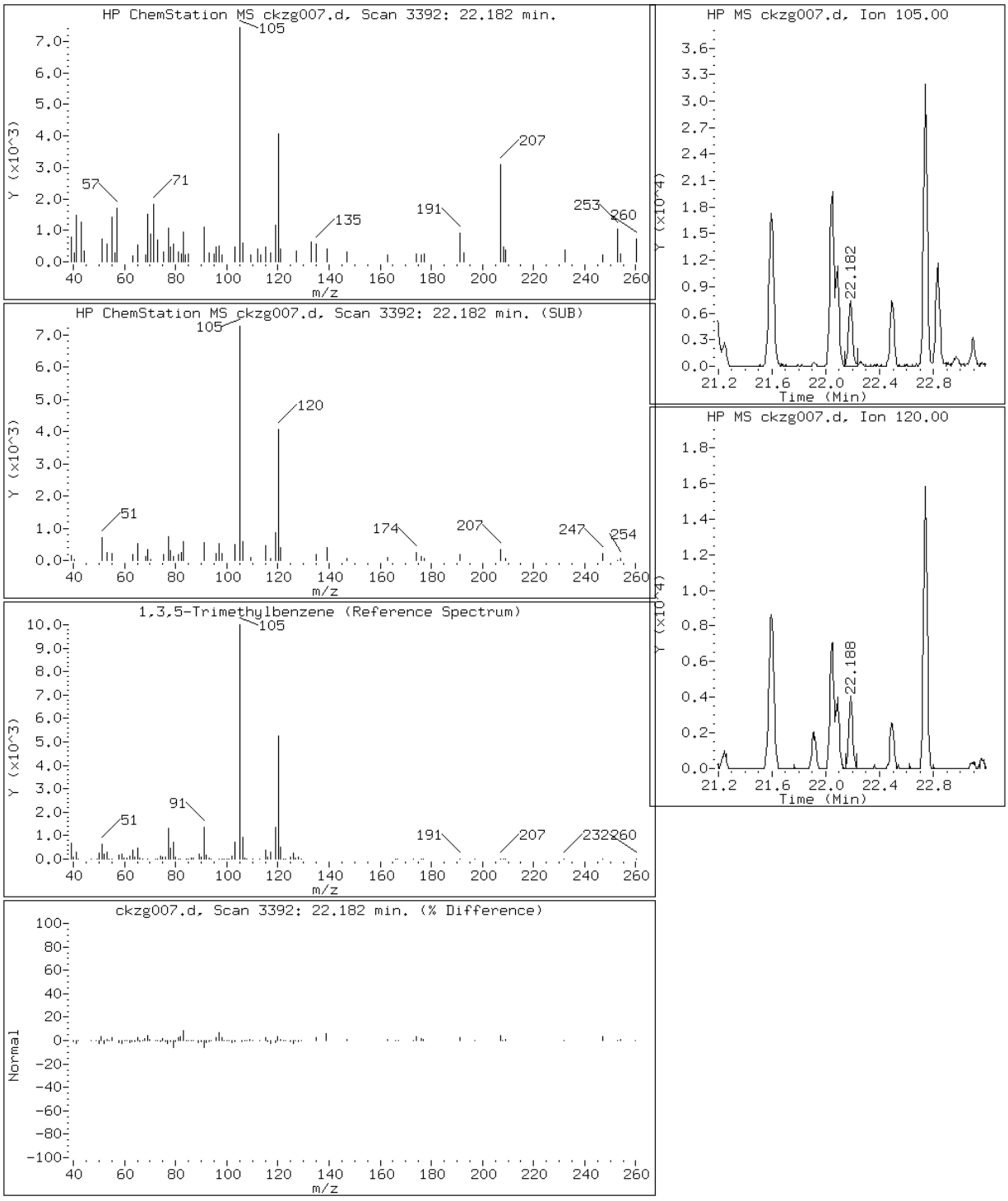
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

81 1,3,5-Trimethylbenzene



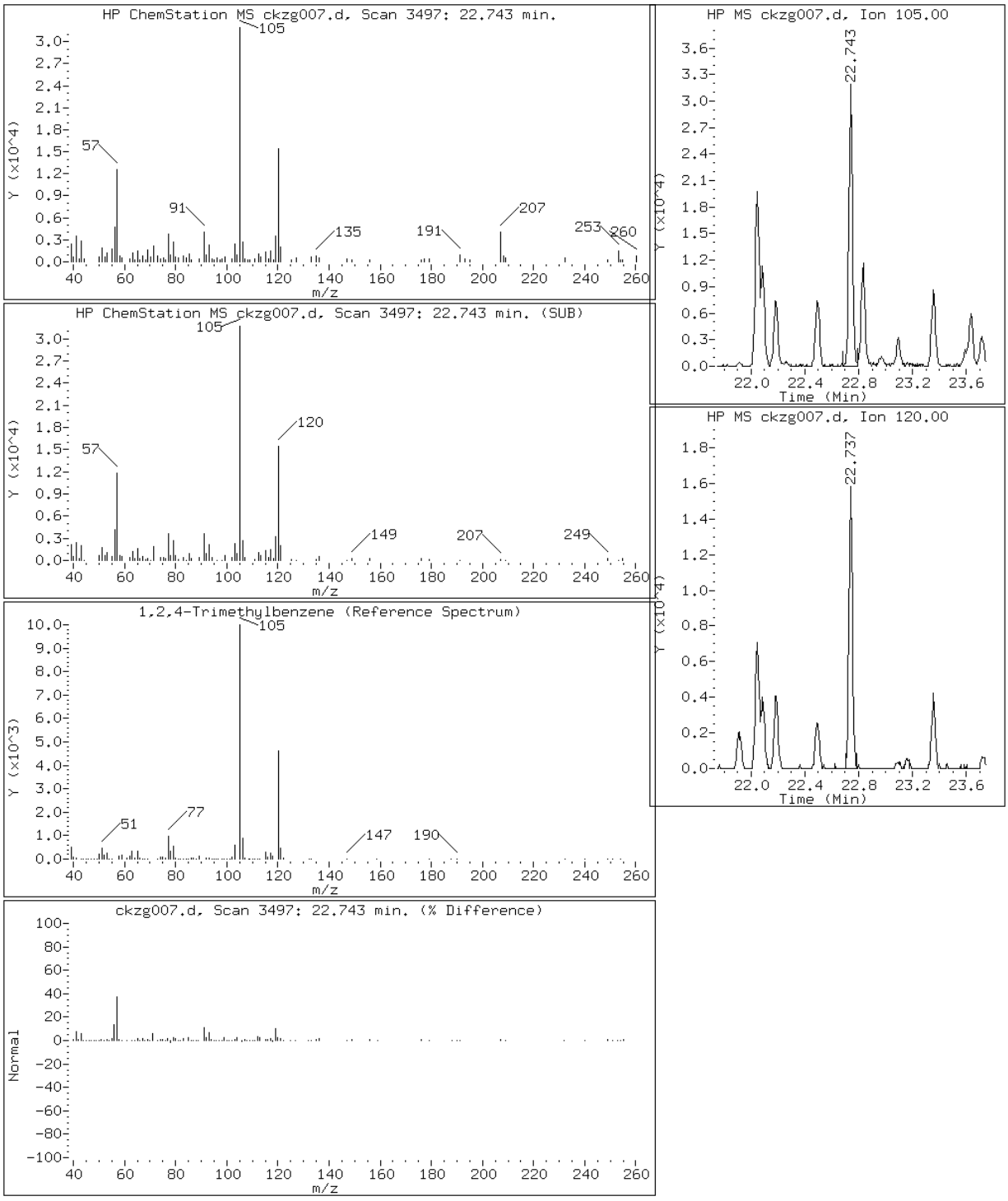
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

84 1,2,4-Trimethylbenzene



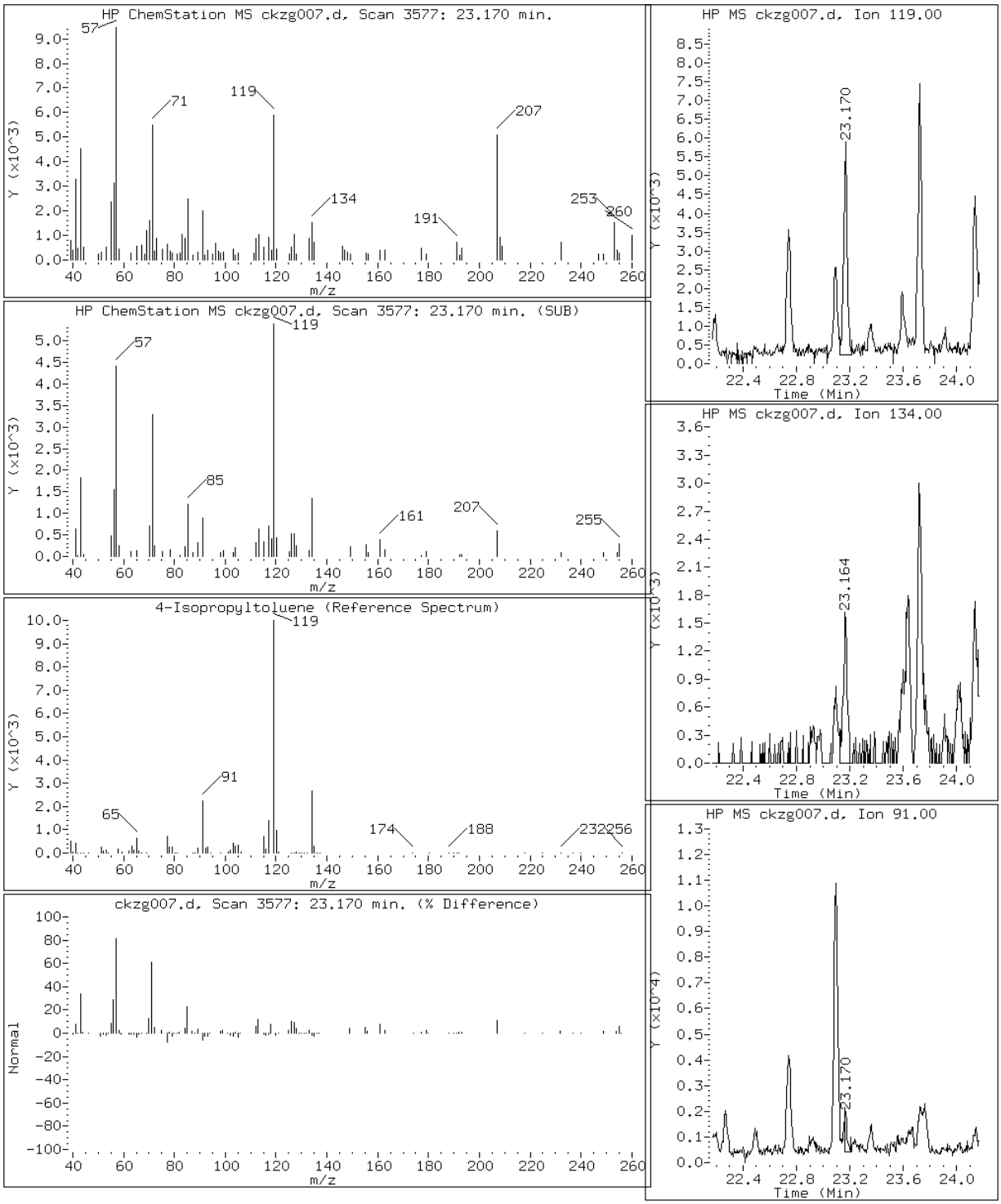
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

86 4-Isopropyltoluene



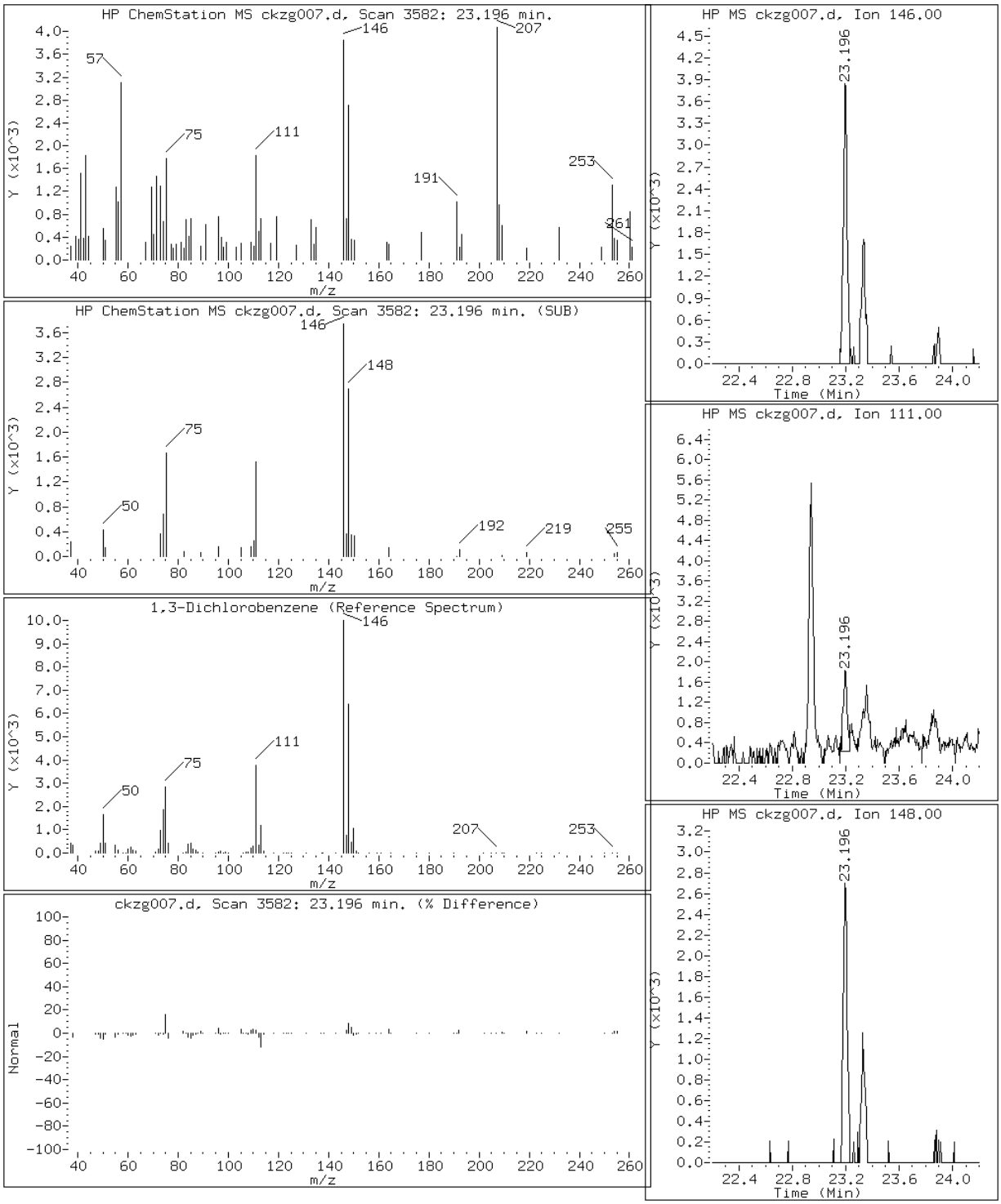
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

87 1,3-Dichlorobenzene



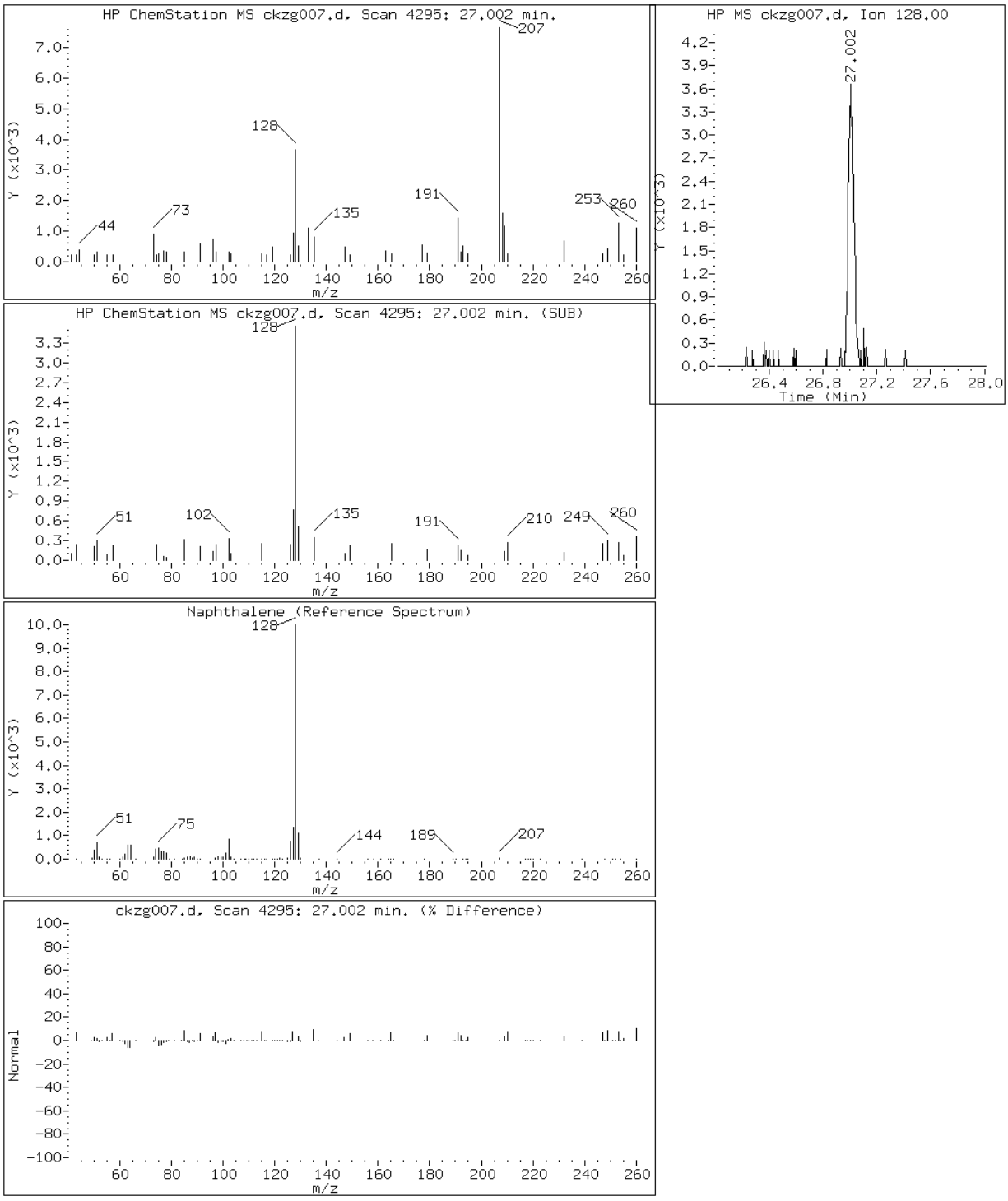
Data File: ckzg007.d

Lab Sample ID: 280-32071-1 Date: 22-AUG-2012 17:04

Client ID: 774VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-1 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg007.d
Lab Sample ID: 280-32071-1
Inj. Date and Time: 22-AUG-2012 17:04
Instrument ID: C.i
Client ID: 774VMP0101AG
Compound: 39 Chloroform
CAS #: 67-66-3
Report Date: 08/28/2012

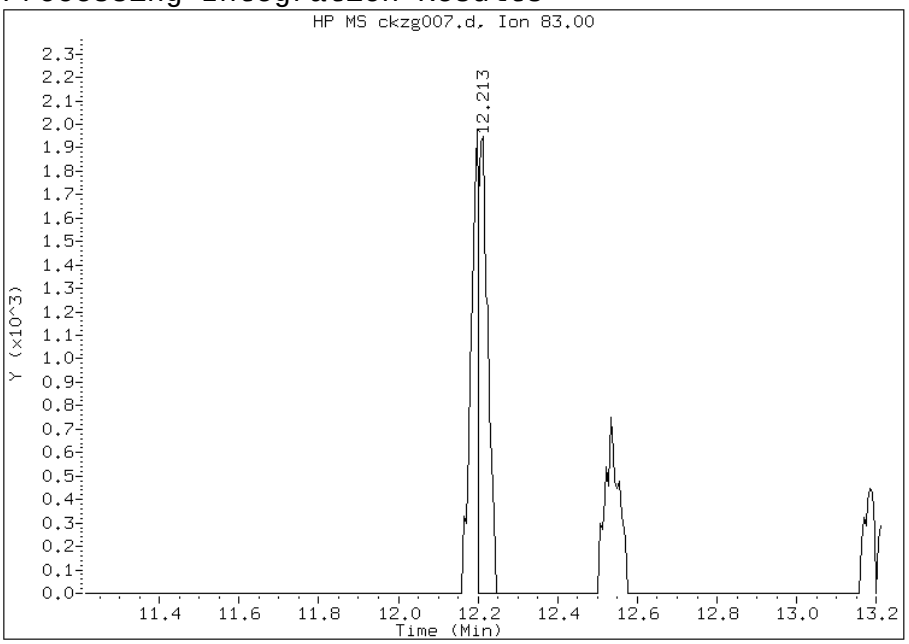
Processing Integration Results

RT: 12.21

Response: 3111

Amount: 0.044308

Conc: 0.044308



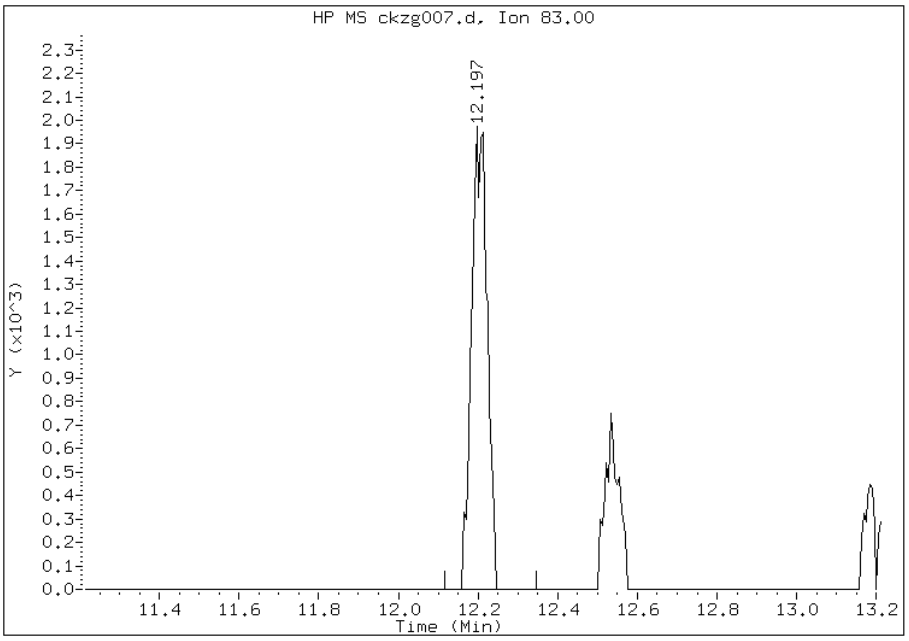
Manual Integration Results

RT: 12.20

Response: 5398

Amount: 0.076881

Conc: 0.076881



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0201AG Lab Sample ID: 280-32071-2

Matrix: Air Lab File ID: ckzg008.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:00

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.51		0.50	0.020
75-45-6	Freon 22	86.47	38		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.37	J	0.50	0.034
106-97-8	n-Butane	58.12	0.49	J	0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.67		0.20	0.021
76-13-1	Freon TF	187.38	0.080	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	18		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	12		5.0	0.076
75-15-0	Carbon disulfide	76.14	0.37	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.17	J M	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.22		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.1		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.14	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.49	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.47		0.20	0.020
110-82-7	Cyclohexane	84.16	0.52		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.093	J M	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.16	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0201AG Lab Sample ID: 280-32071-2

Matrix: Air Lab File ID: ckzg008.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:00

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.21		0.20	0.017
79-01-6	Trichloroethene	131.39	3.8		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.33	J	0.50	0.034
108-88-3	Toluene	92.14	1.0		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.22		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.71		0.50	0.022
95-47-6	Xylene, o-	106.17	0.26		0.20	0.016
1330-20-7	Xylene (total)	106.17	0.97		0.20	0.016
100-42-5	Styrene	104.15	0.10	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.063	J	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.088	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.062	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.062	J	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0201AG Lab Sample ID: 280-32071-2

Matrix: Air Lab File ID: ckzg008.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:00

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.37	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0201AG Lab Sample ID: 280-32071-2

Matrix: Air Lab File ID: ckzg008.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:00

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.099
75-45-6	Freon 22	86.47	130		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.77	J	1.0	0.070
106-97-8	n-Butane	58.12	1.2	J	1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	3.8		1.1	0.12
76-13-1	Freon TF	187.38	0.61	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	43		12	0.95
67-63-0	Isopropyl alcohol	60.10	30		12	0.19
75-15-0	Carbon disulfide	76.14	1.2	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.59	J M	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.77		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	3.4		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.69	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.4	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	2.6		1.1	0.11
110-82-7	Cyclohexane	84.16	1.8		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.59	J M	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.53	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0201AG Lab Sample ID: 280-32071-2

Matrix: Air Lab File ID: ckzg008.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:00

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.88		0.82	0.070
79-01-6	Trichloroethene	131.39	20		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	1.3	J	2.0	0.14
108-88-3	Toluene	92.14	3.9		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.94		0.87	0.065
179601-23-1	m,p-Xylene	106.17	3.1		2.2	0.096
95-47-6	Xylene, o-	106.17	1.1		0.87	0.069
1330-20-7	Xylene (total)	106.17	4.2		0.87	0.069
100-42-5	Styrene	104.15	0.44	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.31	J	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.52	J	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.43	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	1.7		0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.34	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.37	J	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0201AG Lab Sample ID: 280-32071-2

Matrix: Air Lab File ID: ckzg008.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:00

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 17:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	1.9	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-2
Client Smp ID: 774VMP0201AG
Inj Date : 22-AUG-2012 17:58
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-2
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 13:07 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	46504	0.50959	0.51
3 Chlorodifluoromethane	51	4.357	4.363	(0.360)	1731908	37.6595	38
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	9529	0.37444	0.37(a)
6 Butane	43	5.072	5.078	(0.420)	22084	0.49062	0.49(a)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	64472	0.66988	0.67
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.665)	5398	0.08021	0.080(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.258	8.269	(0.683)	659848	18.0301	18

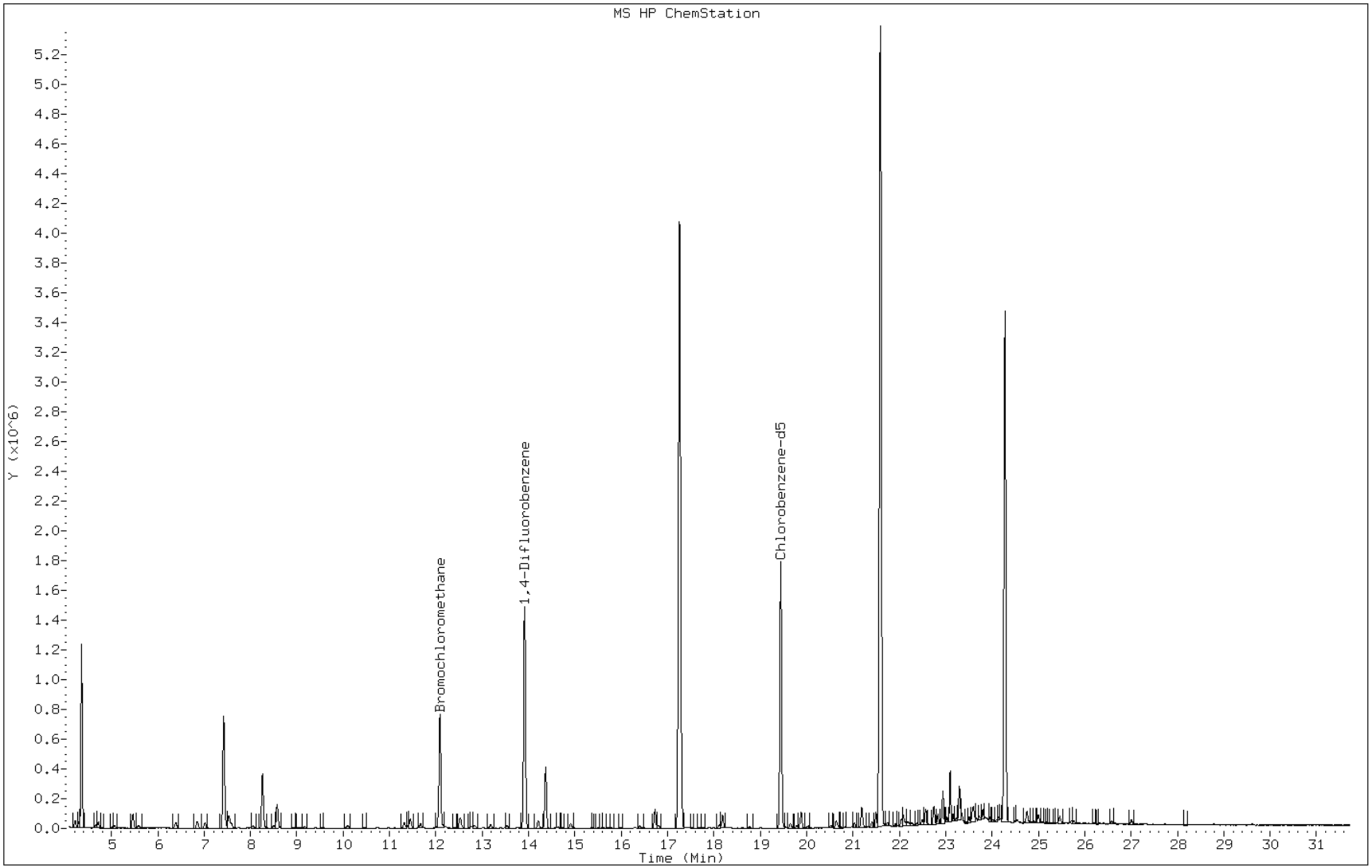
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	33012	0.37211	0.37(a)
	22 Isopropanol	45	8.573	8.573	(0.709)	308588	12.0014	12
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.171	9.177	(0.759)	5331	0.17076	0.17(aM)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	10958	0.21786	0.22
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.966)	15949	1.14695	1.1(Q)
*	37 Bromochloromethane	128	12.090	12.096	(1.000)	332366	10.0000	
	38 Tetrahydrofuran	42	12.149	12.139	(0.873)	14286	0.48531	0.49(a)
	39 Chloroform	83	12.208	12.213	(1.010)	10551	0.14211	0.14(a)
	40 Cyclohexane	84	12.533	12.544	(0.901)	27413	0.52192	0.52
	41 1,1,1-Trichloroethane	97	12.512	12.528	(0.899)	40003	0.46801	0.47
	42 Carbon tetrachloride	117	12.789	12.784	(0.919)	8394	0.09302	0.093(aM)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.184	13.190	(0.947)	18294	0.16496	0.16(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.542	13.542	(0.973)	12658	0.21444	0.21
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1872512	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	196037	3.75599	3.8
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	17184	0.32819	0.33(a)
	58 Toluene	92	16.728	16.734	(0.861)	87151	1.02912	1.0
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1766466	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.011)	38527	0.21629	0.22
	69 Xylene (m,p)	106	19.882	19.893	(1.023)	52685	0.70994	0.71
M	70 Xylenes, Total	106				71295	0.96897	0.97
	71 Xylene (o)	106	20.640	20.646	(1.062)	18610	0.25902	0.26
	72 Styrene	104	20.677	20.678	(1.064)	10575	0.10408	0.10(aQ)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	21.910	21.916	(1.127)	14654	0.06346	0.063(a)
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	21036	0.10514	0.11(a)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	15188	0.08752	0.088(a)
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	58770	0.35007	0.35
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.164	23.170	(1.192)	12818	0.06158	0.062(aH)
87 1,3-Dichlorobenzene	146	23.191	23.202	(1.193)	7339	0.06206	0.062(aQ)
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	35943	0.36823	0.37(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File:	ckzg008.d	Date:	22-AUG-2012 17:58
Client ID:	774VMP0201AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-2		
Lab Sample ID:	280-32071-2		



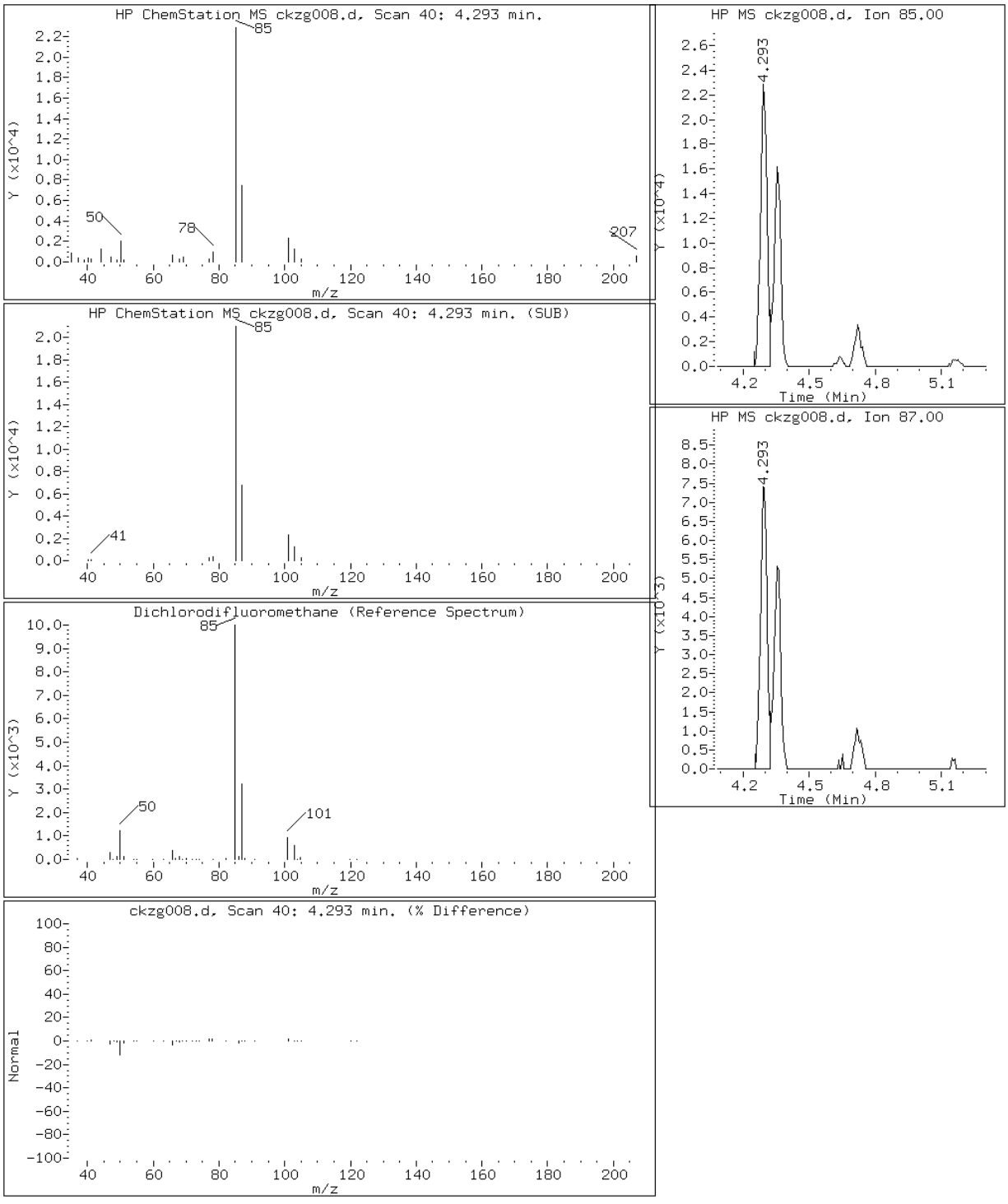
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

2 Dichlorodifluoromethane



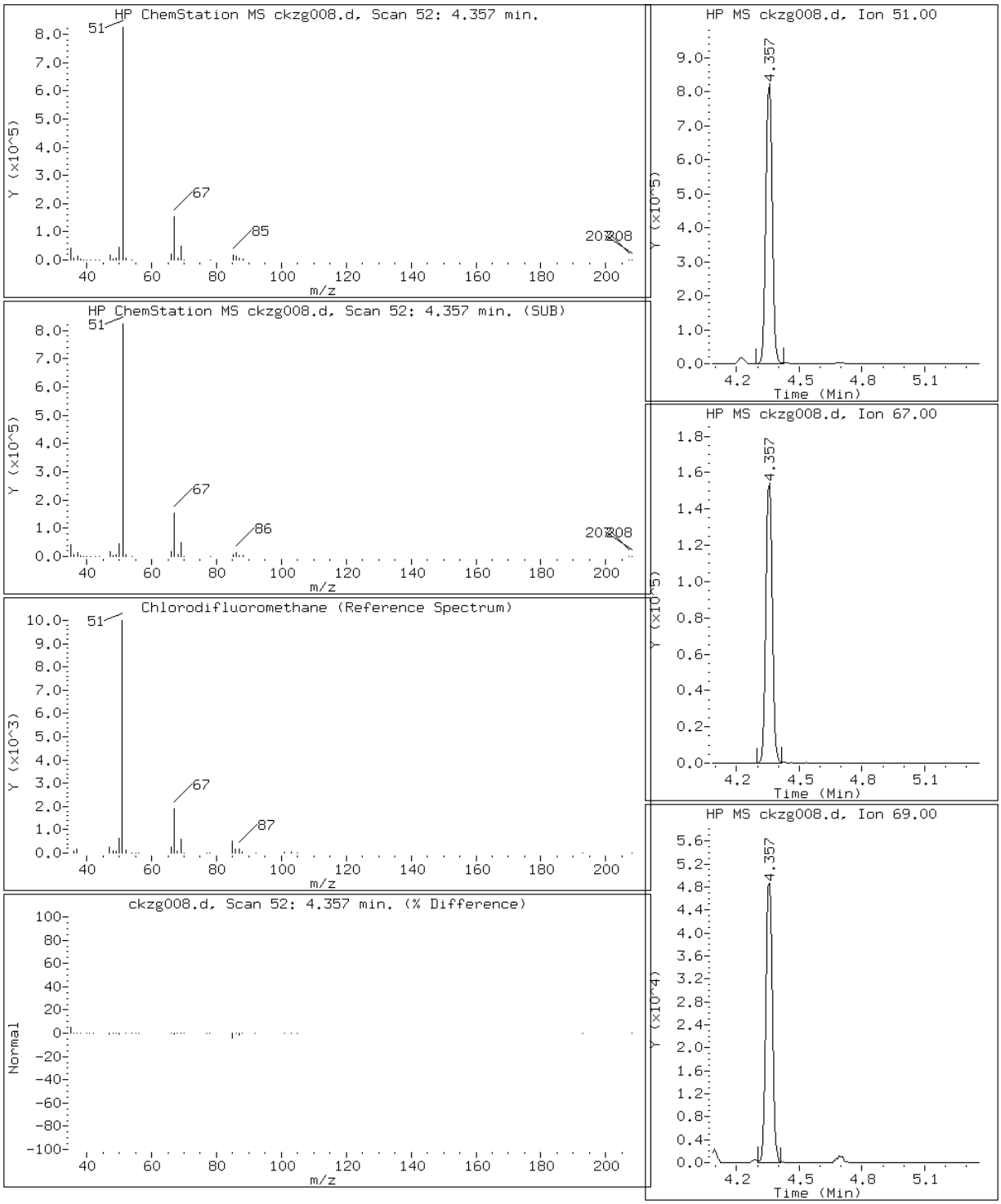
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

3 Chlorodifluoromethane



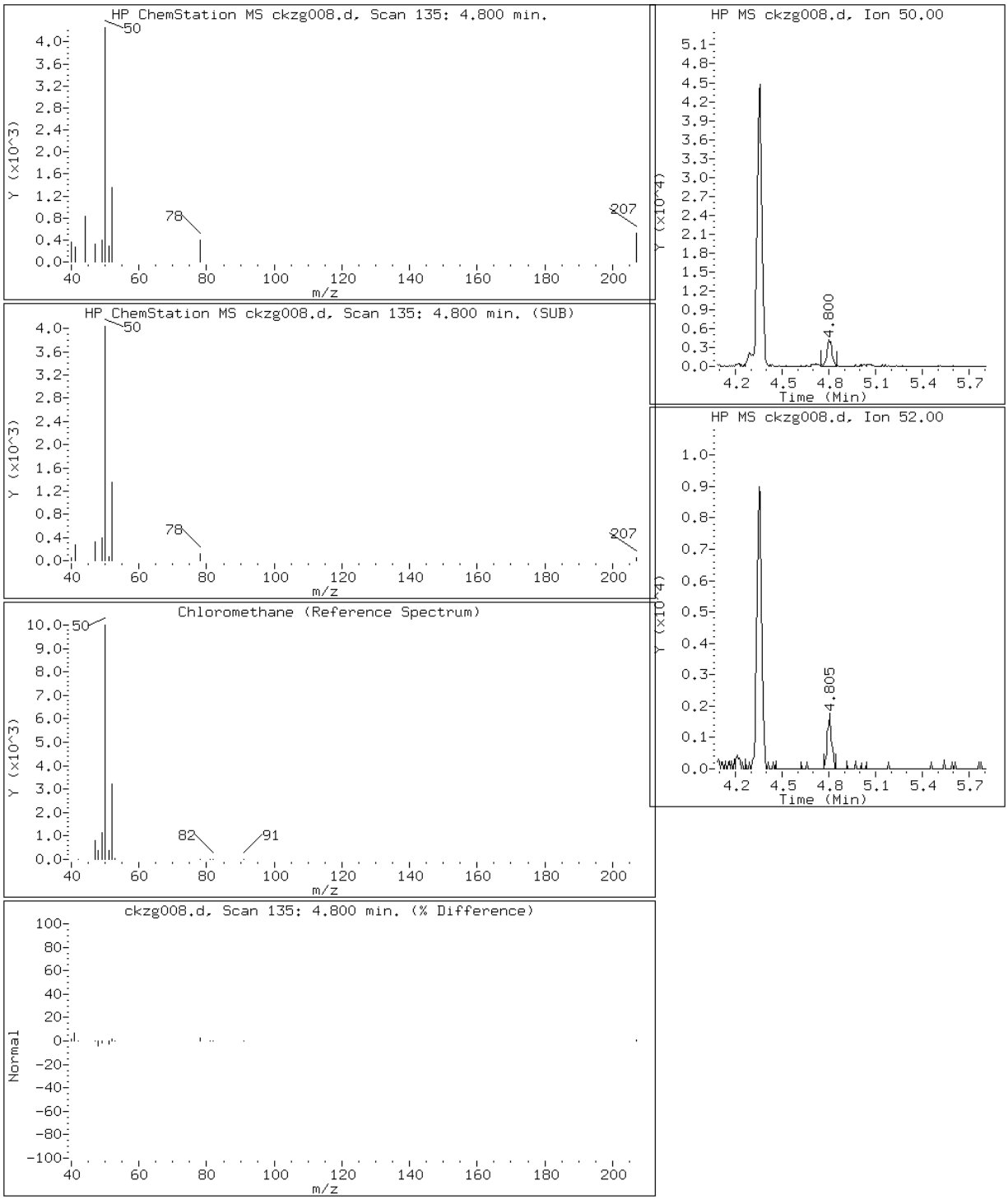
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

5 Chloromethane



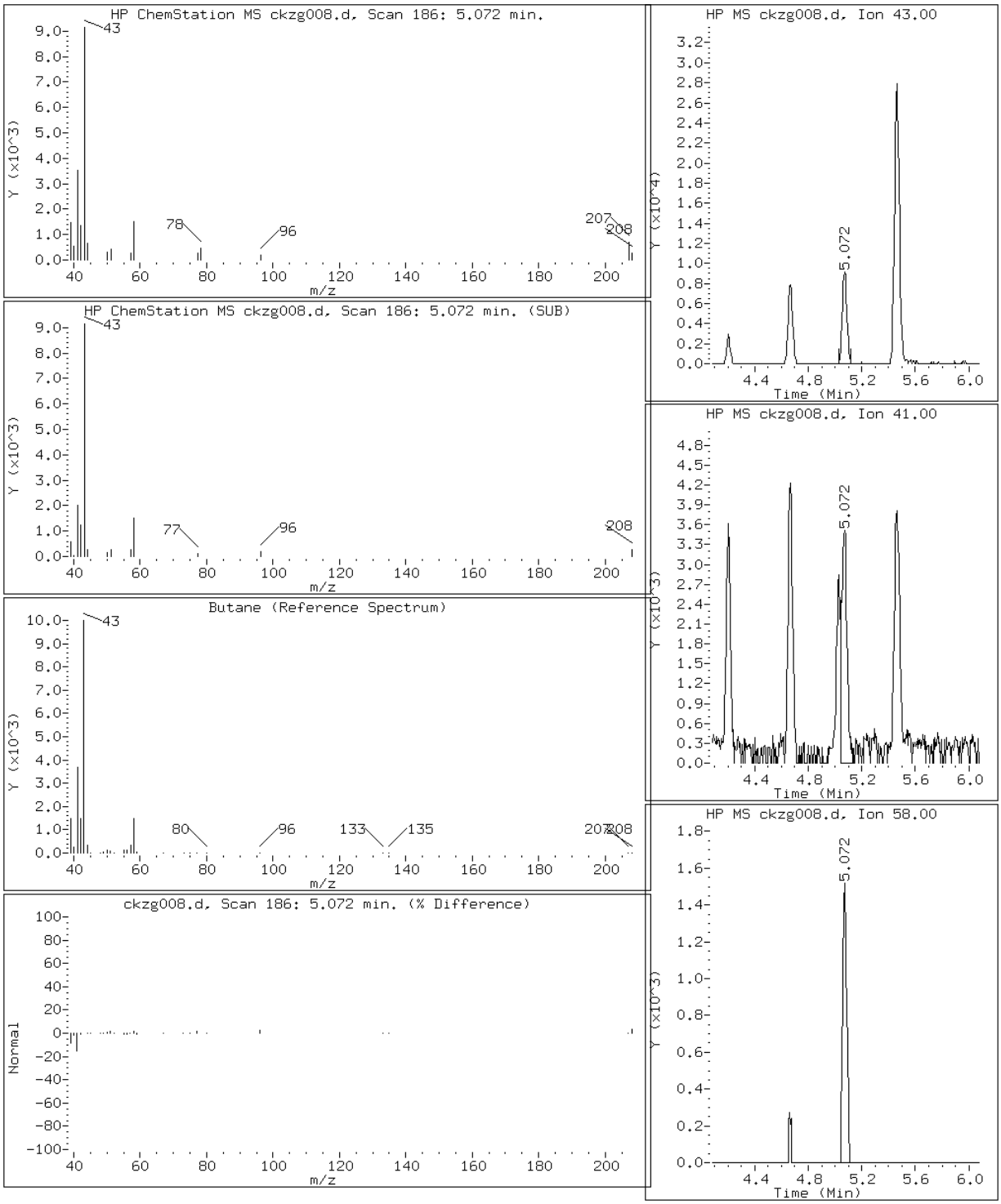
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

6 Butane



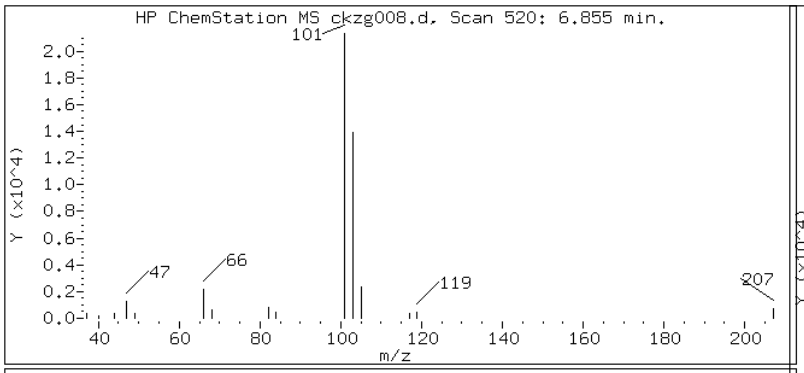
Data File: ckzg008.d

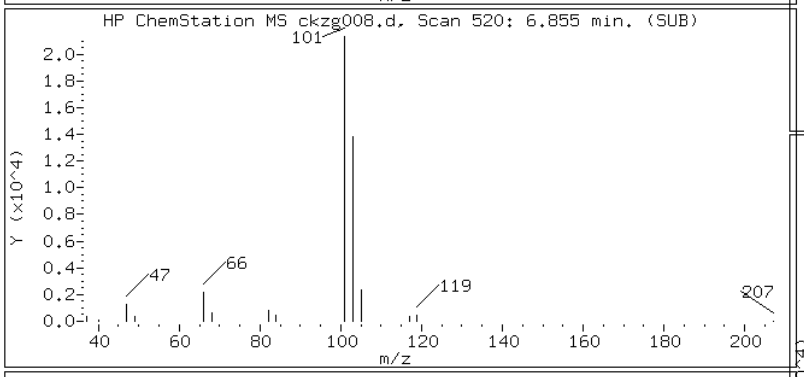
Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

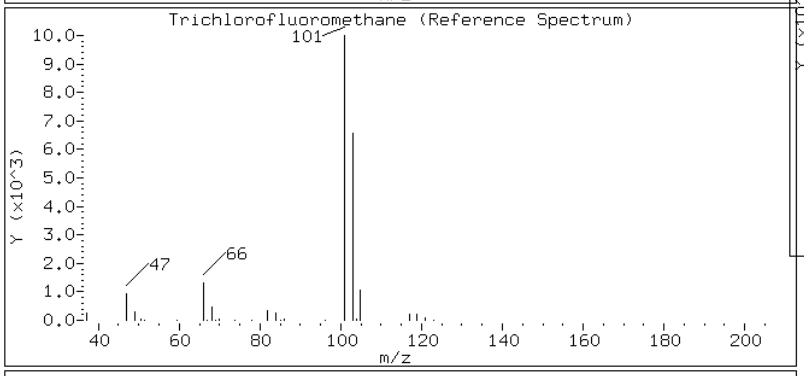
Client ID: 774VMP0201AG Instrument: C.i

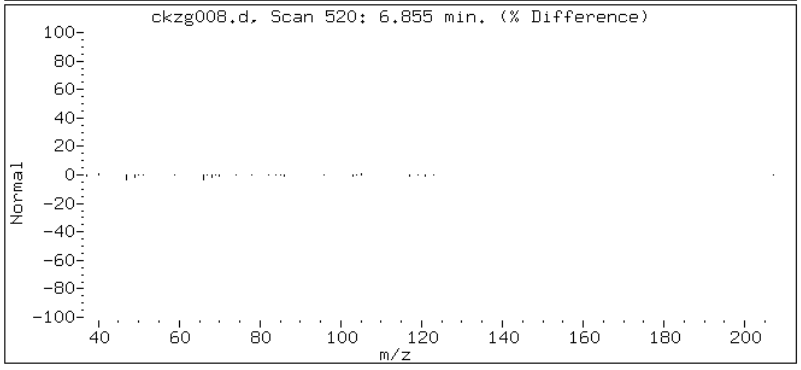
Sample Info: 280-32071-A-2 Operator: pad

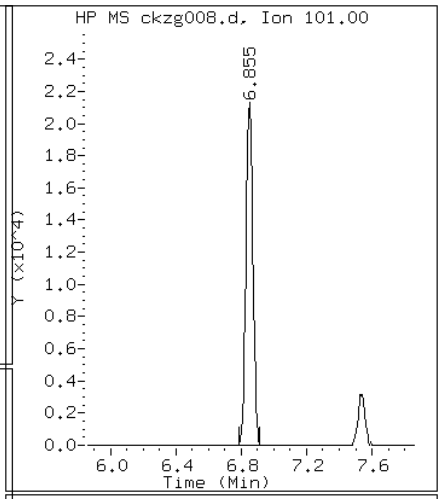
13 Trichlorofluoromethane

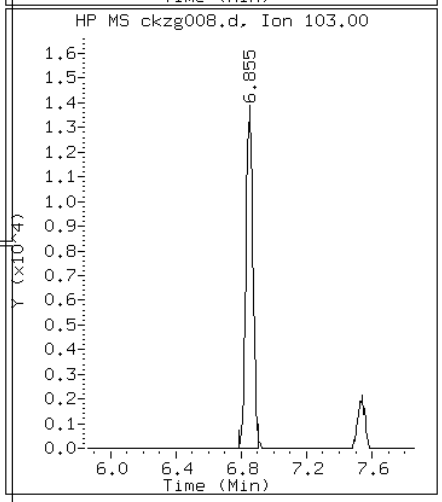












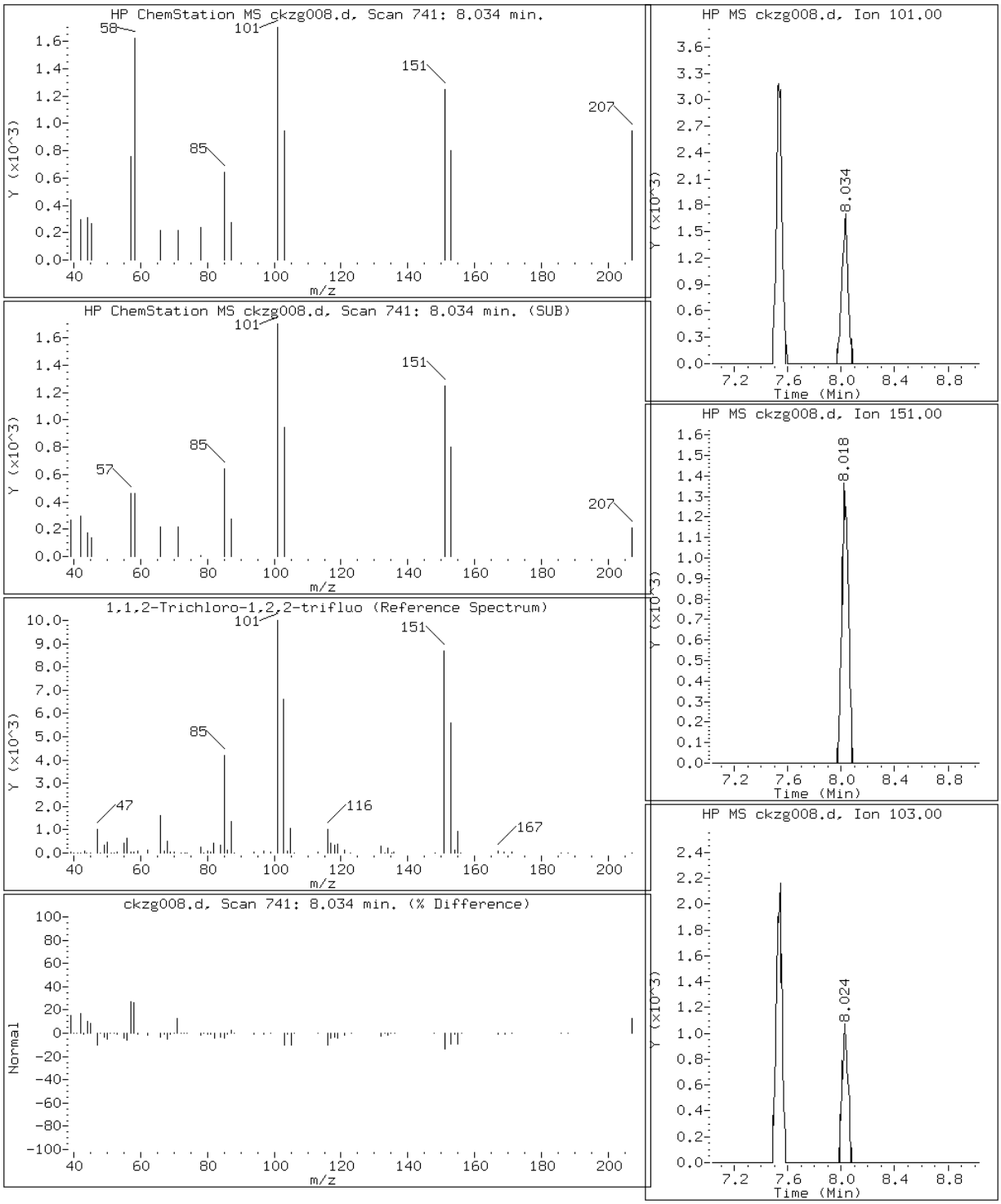
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



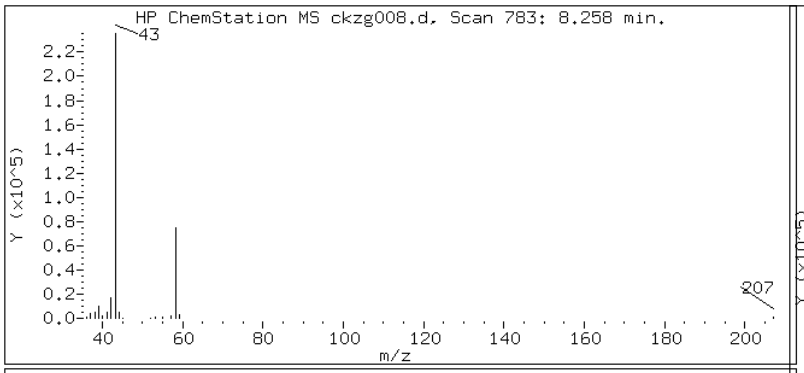
Data File: ckzg008.d

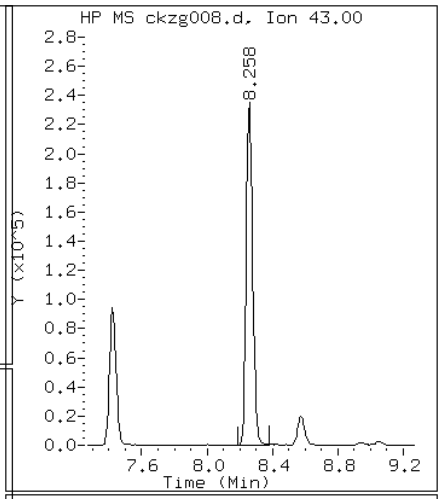
Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

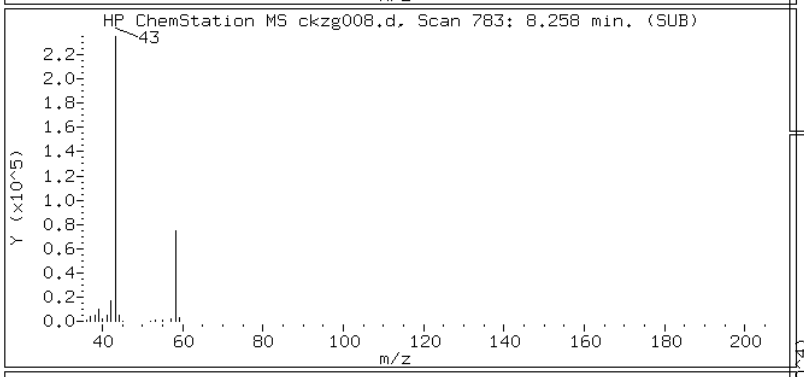
Client ID: 774VMP0201AG Instrument: C.i

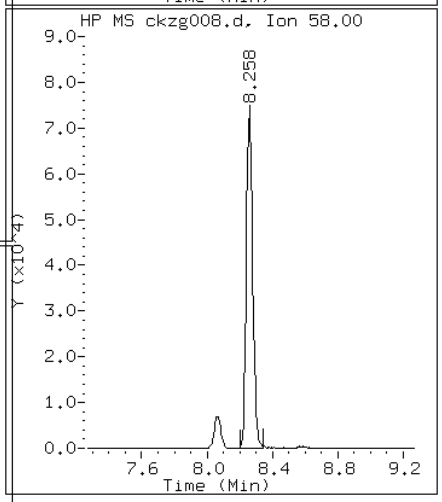
Sample Info: 280-32071-A-2 Operator: pad

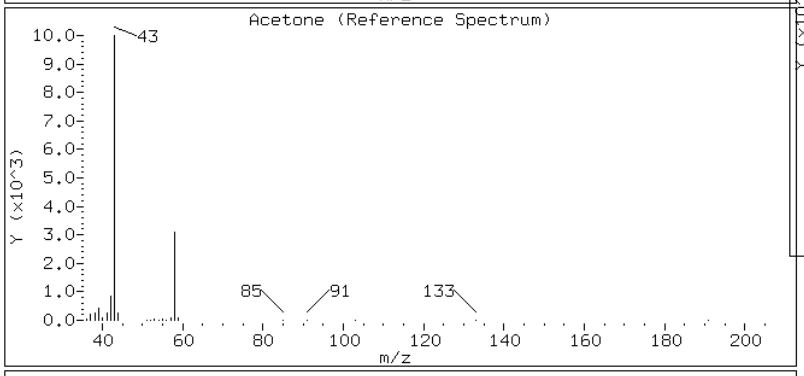
20 Acetone

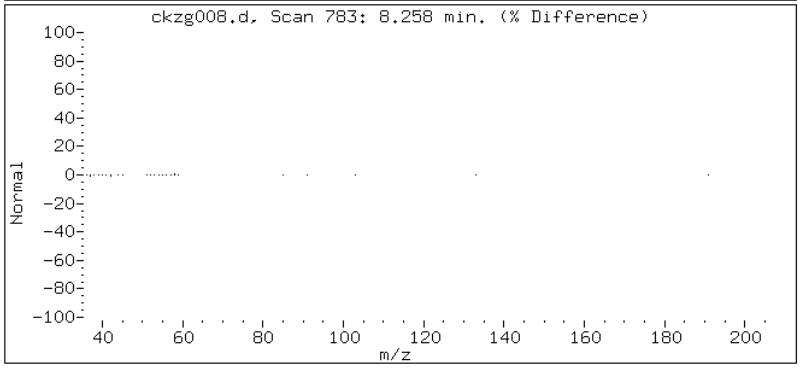












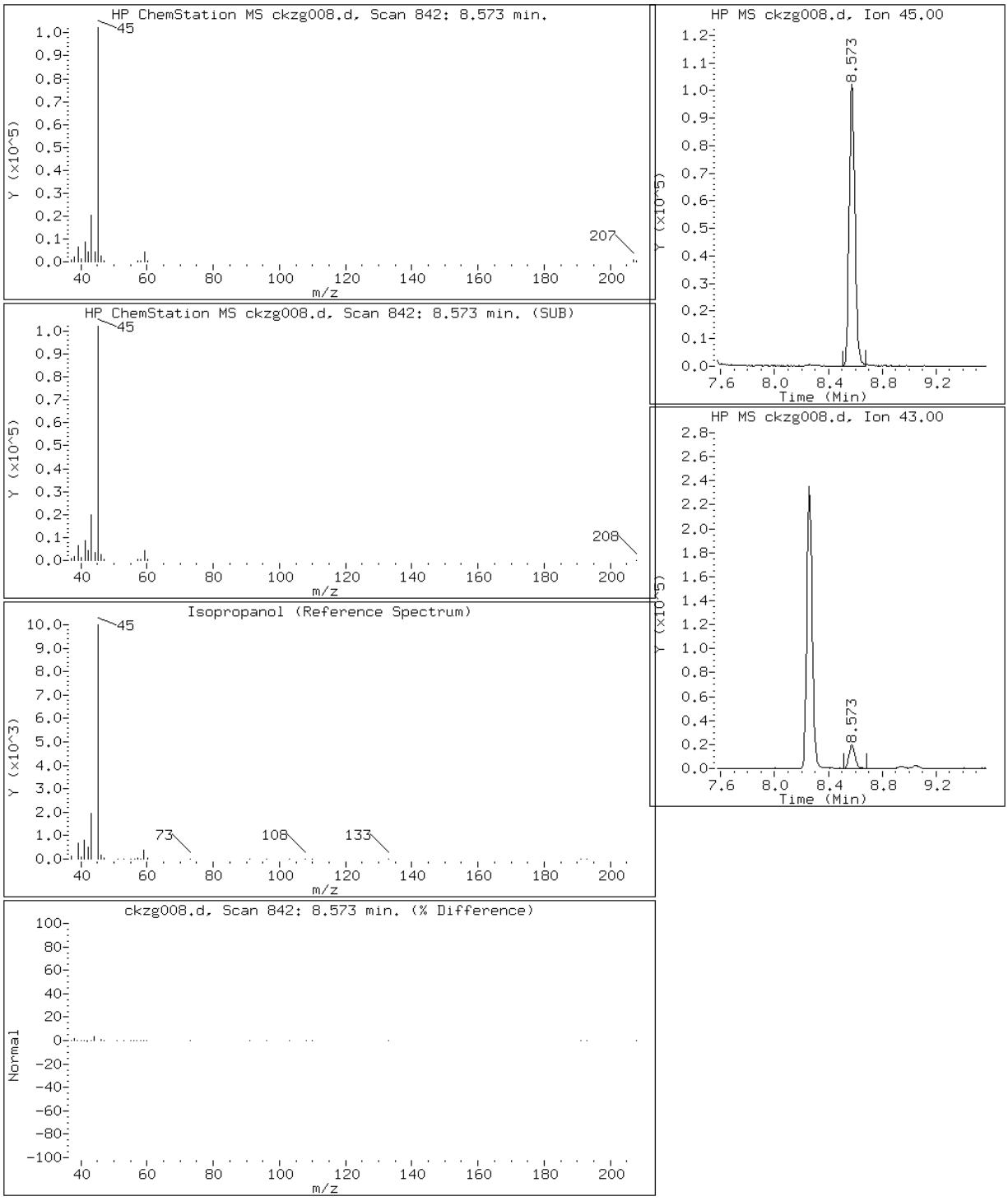
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

22 Isopropanol



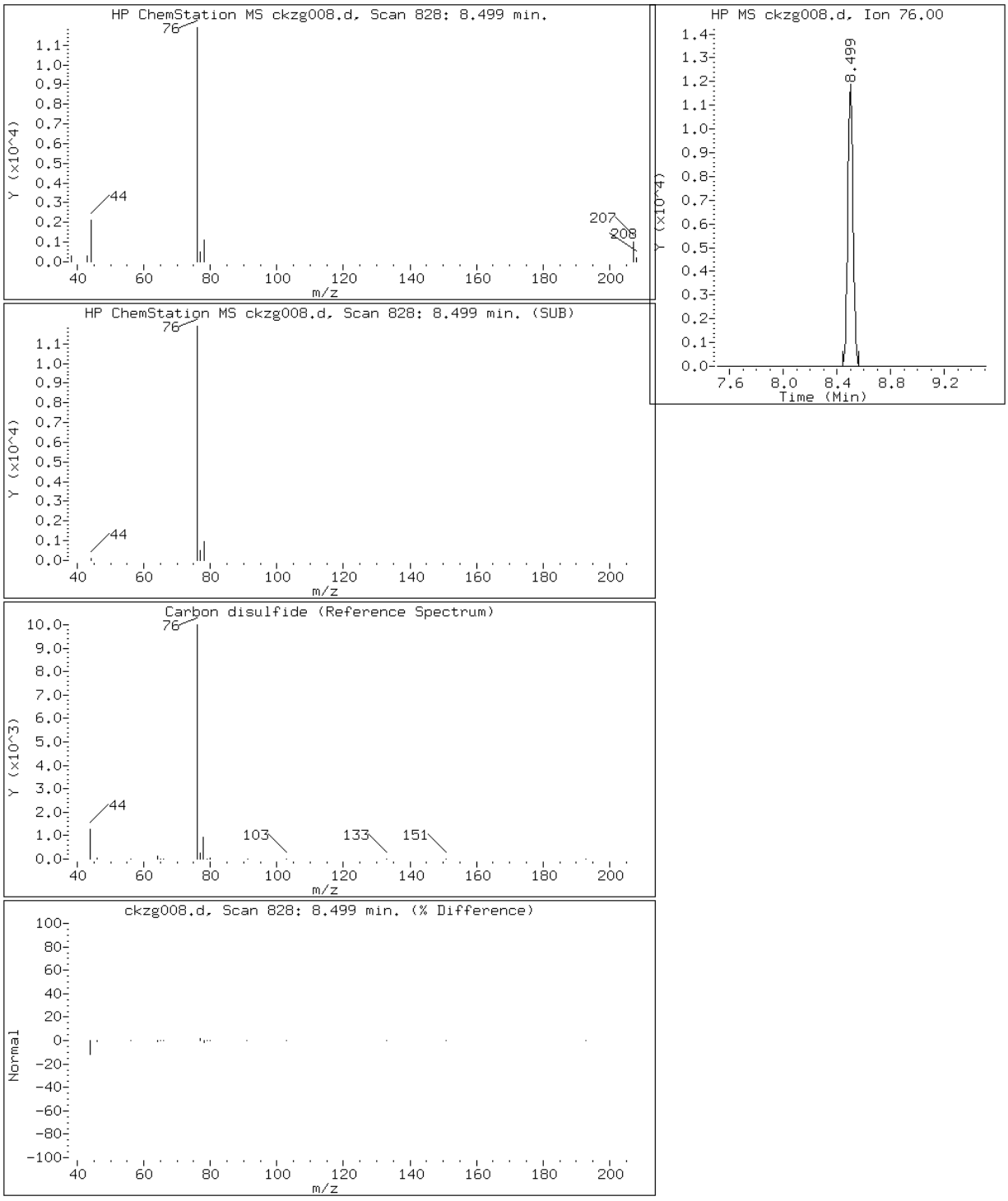
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

21 Carbon disulfide



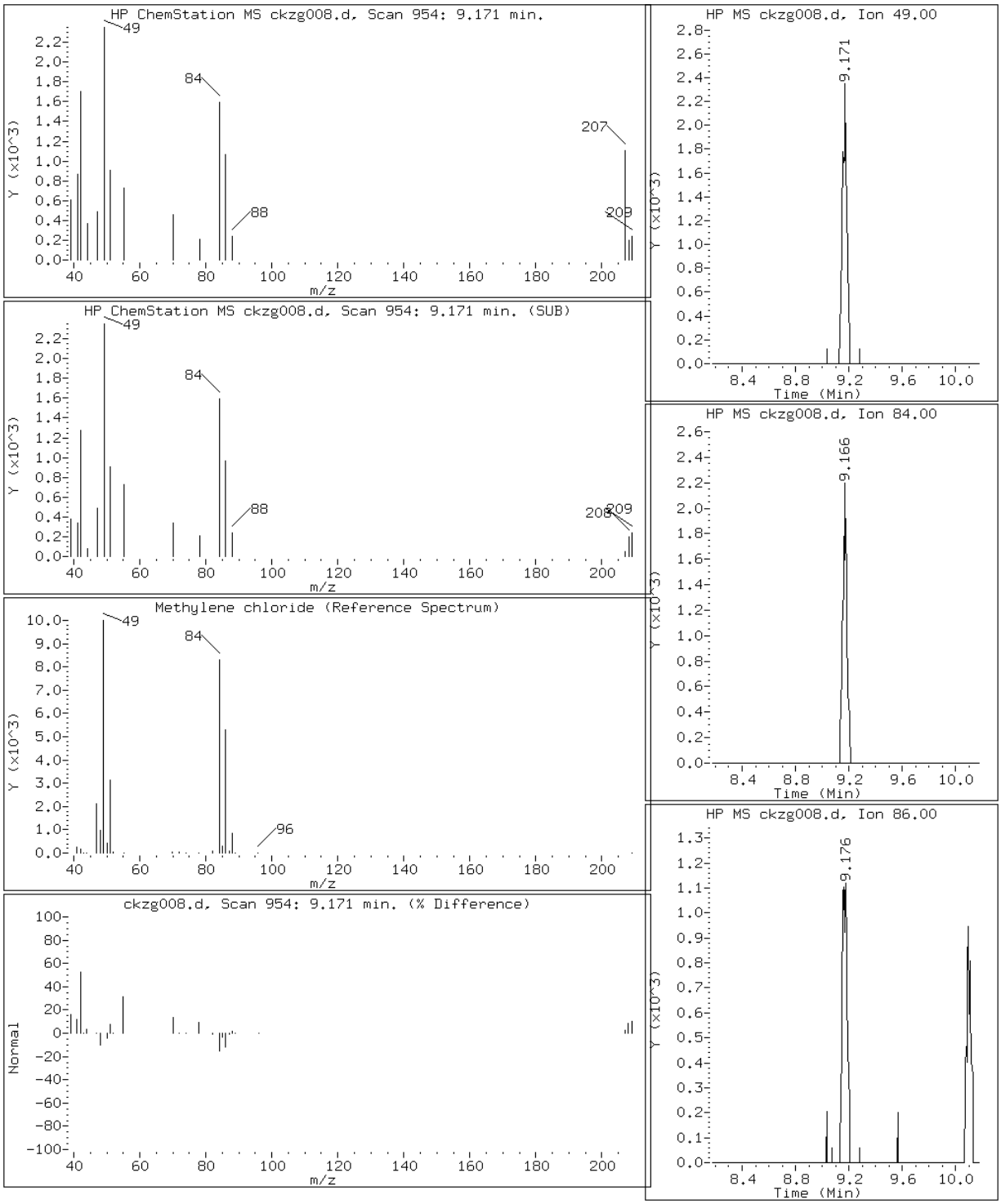
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

25 Methylene chloride



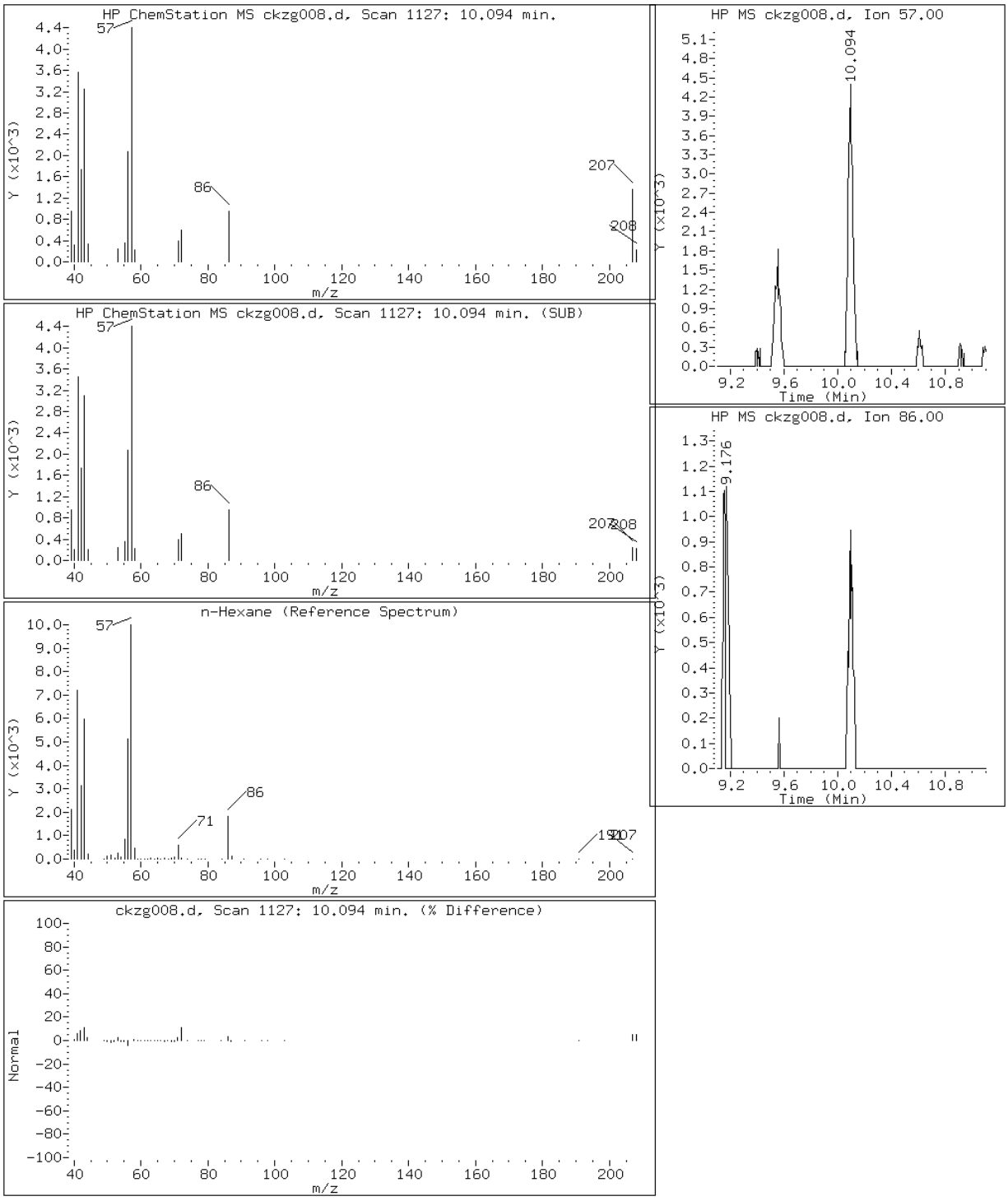
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

30 n-Hexane



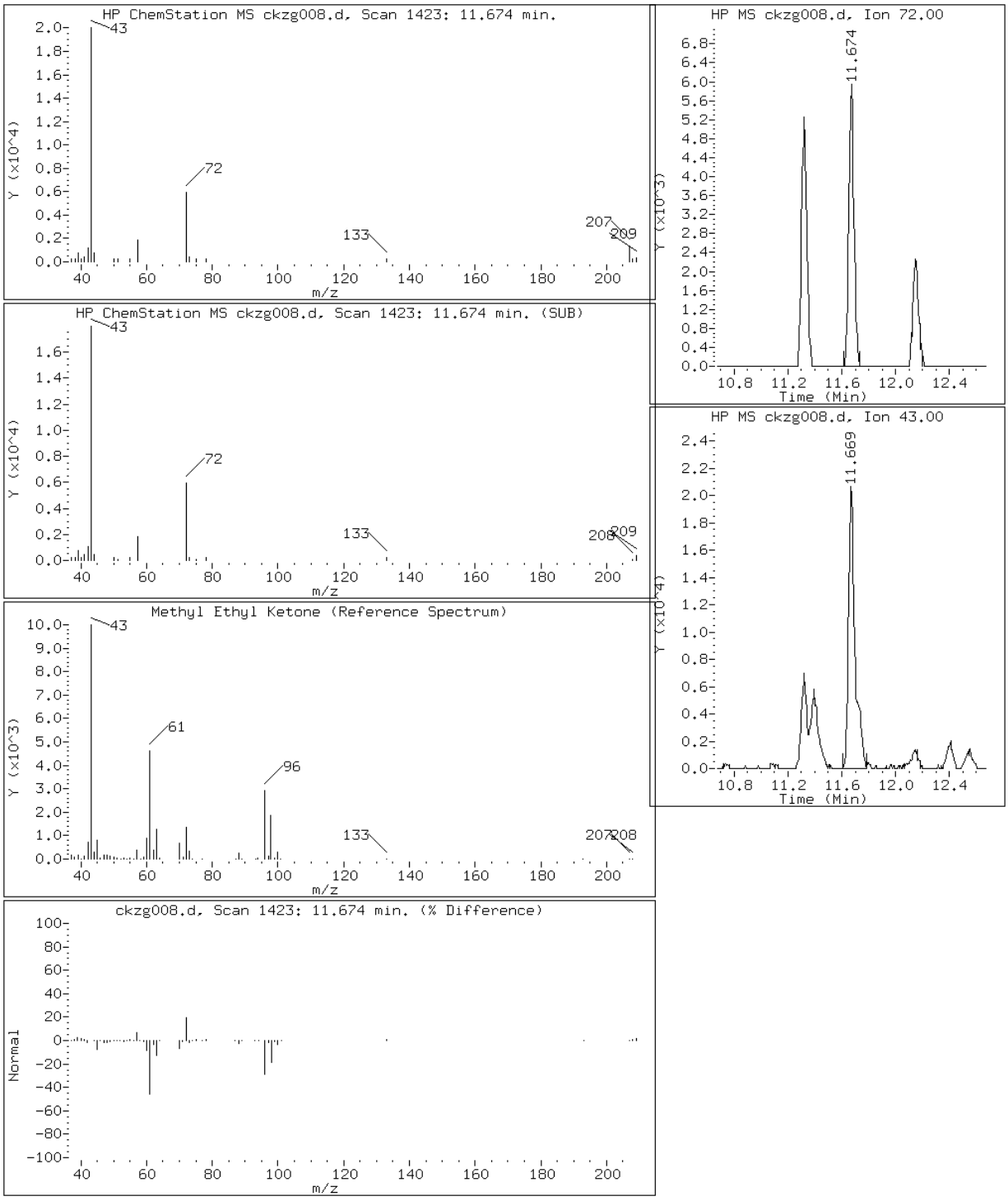
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

36 Methyl Ethyl Ketone



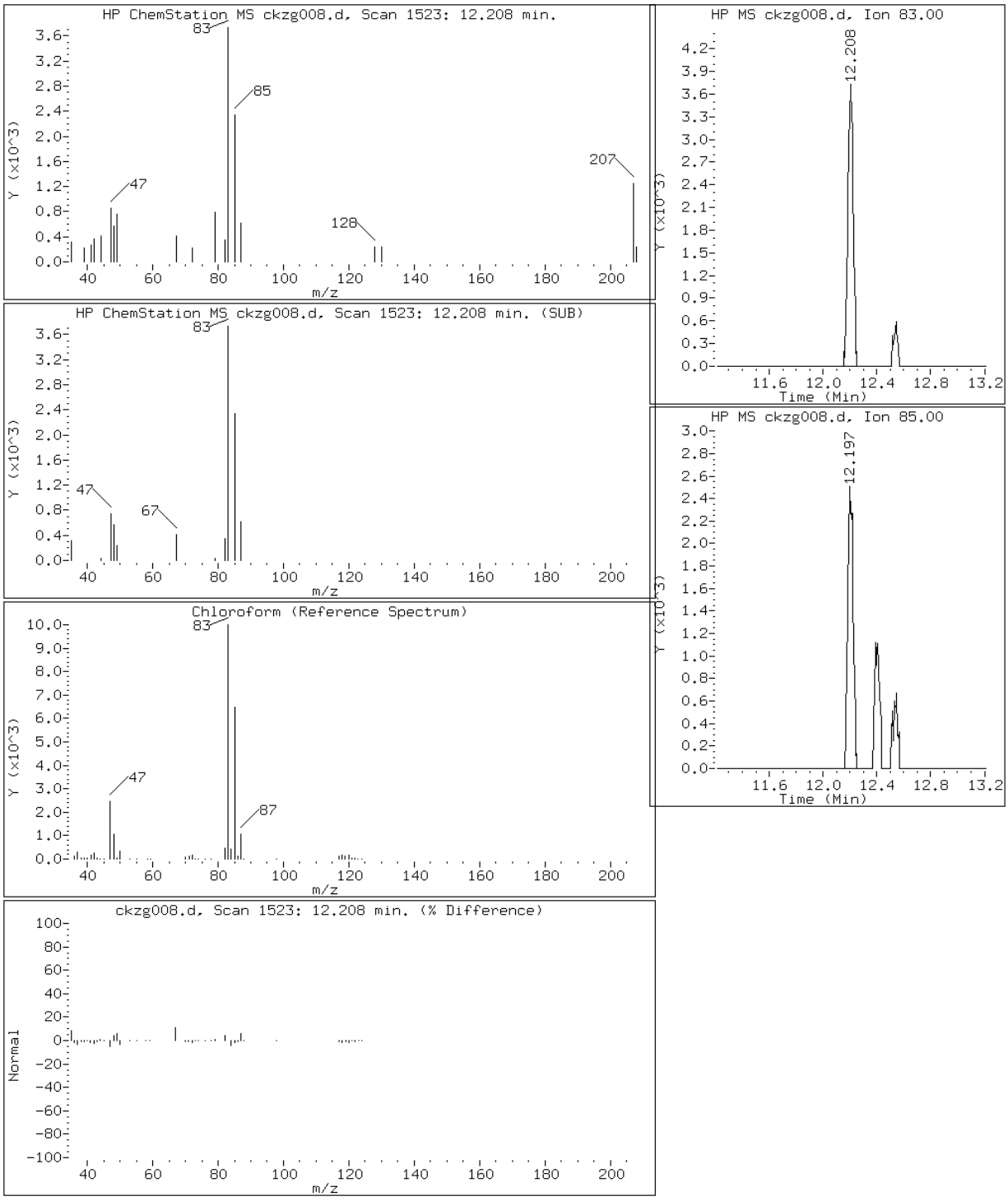
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

39 Chloroform



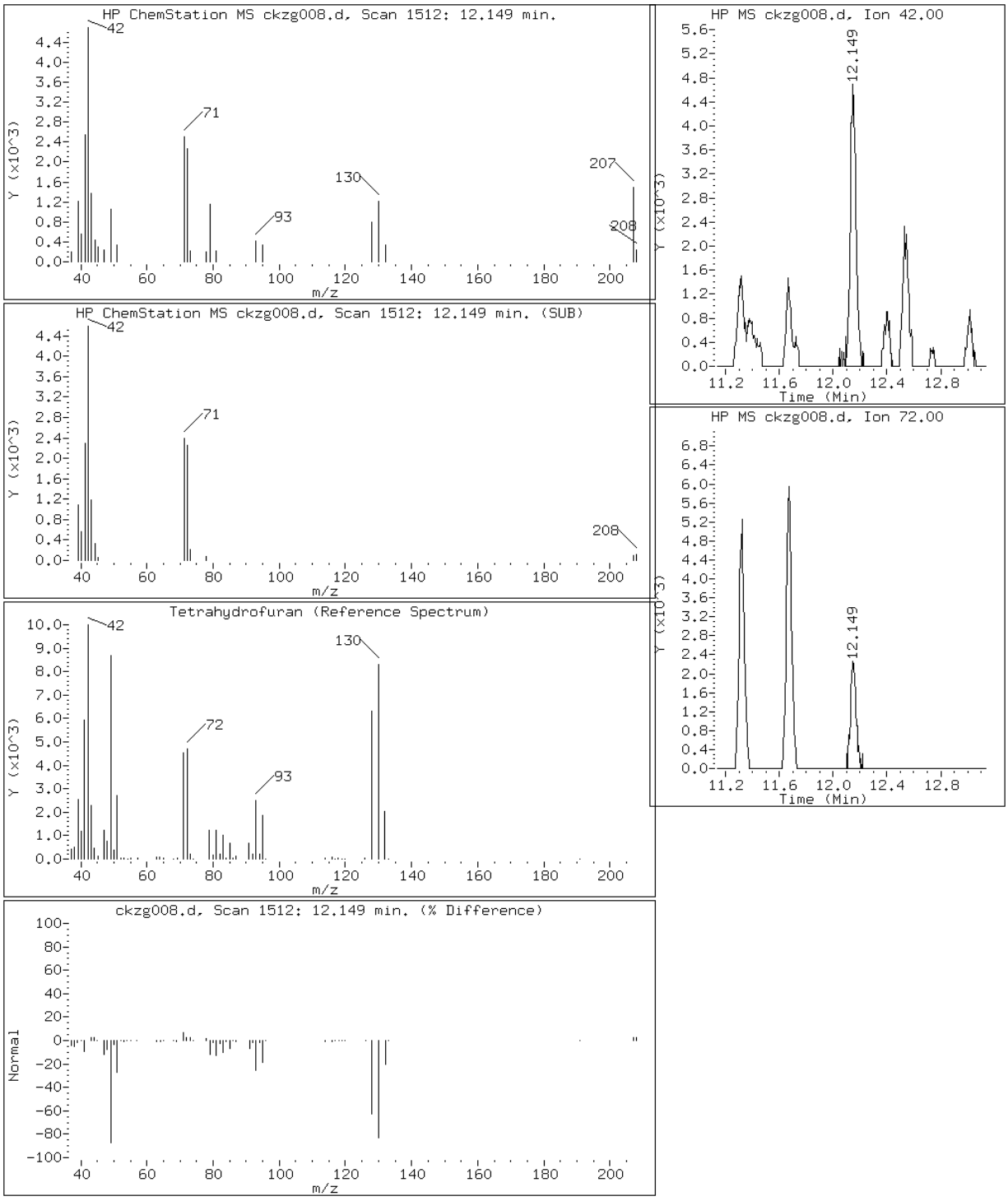
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

38 Tetrahydrofuran



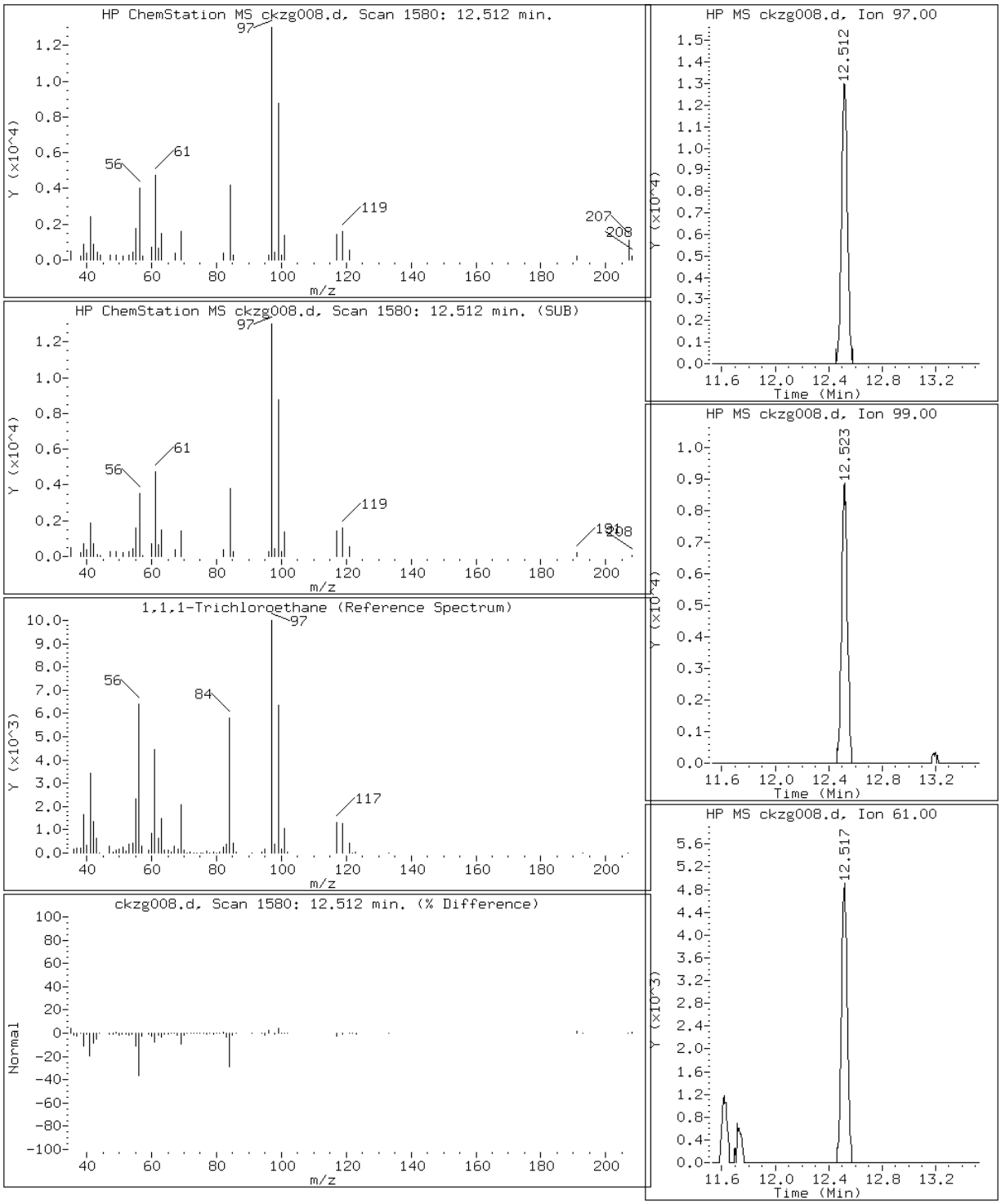
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

41 1,1,1-Trichloroethane



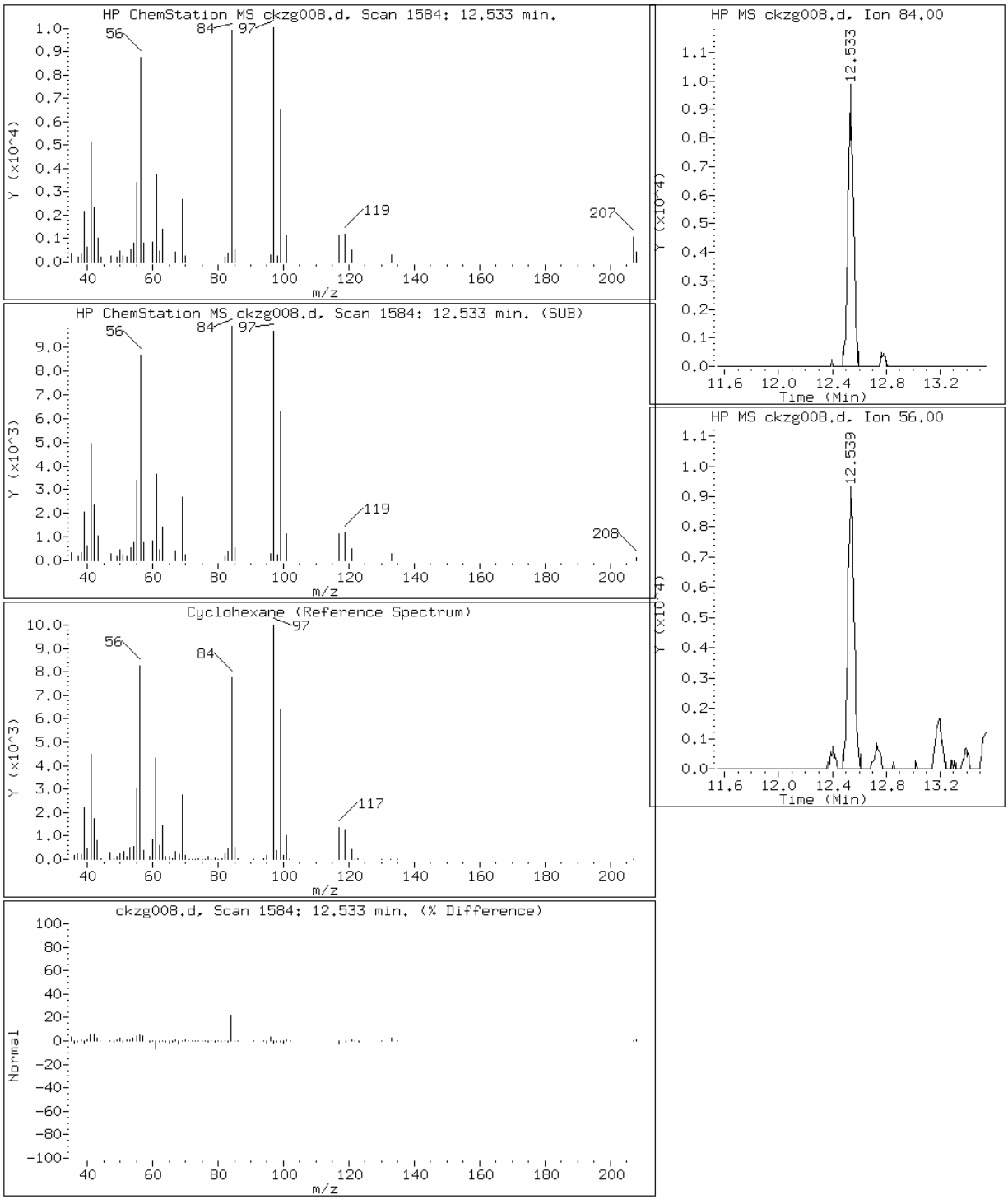
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

40 Cyclohexane



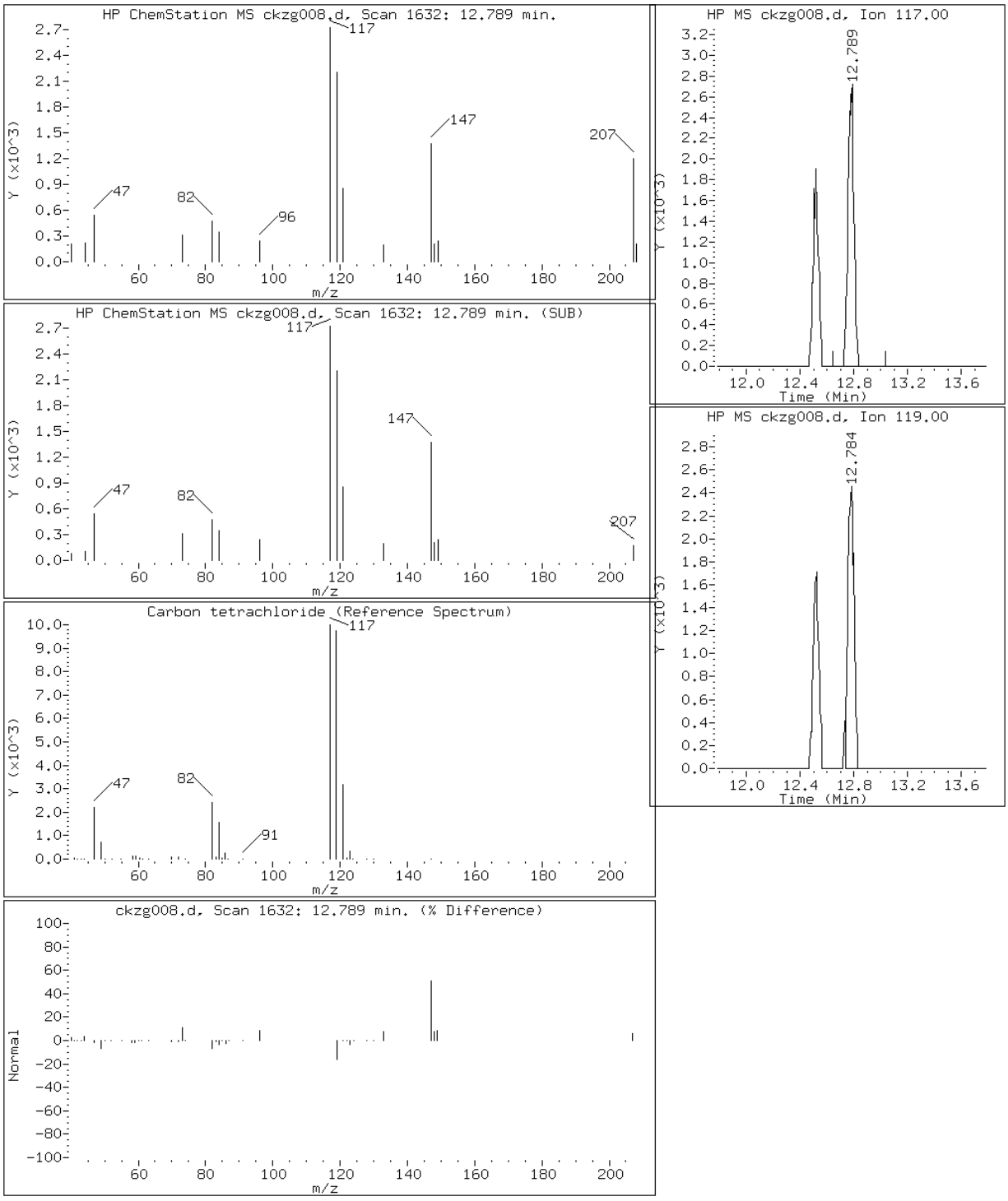
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

42 Carbon tetrachloride



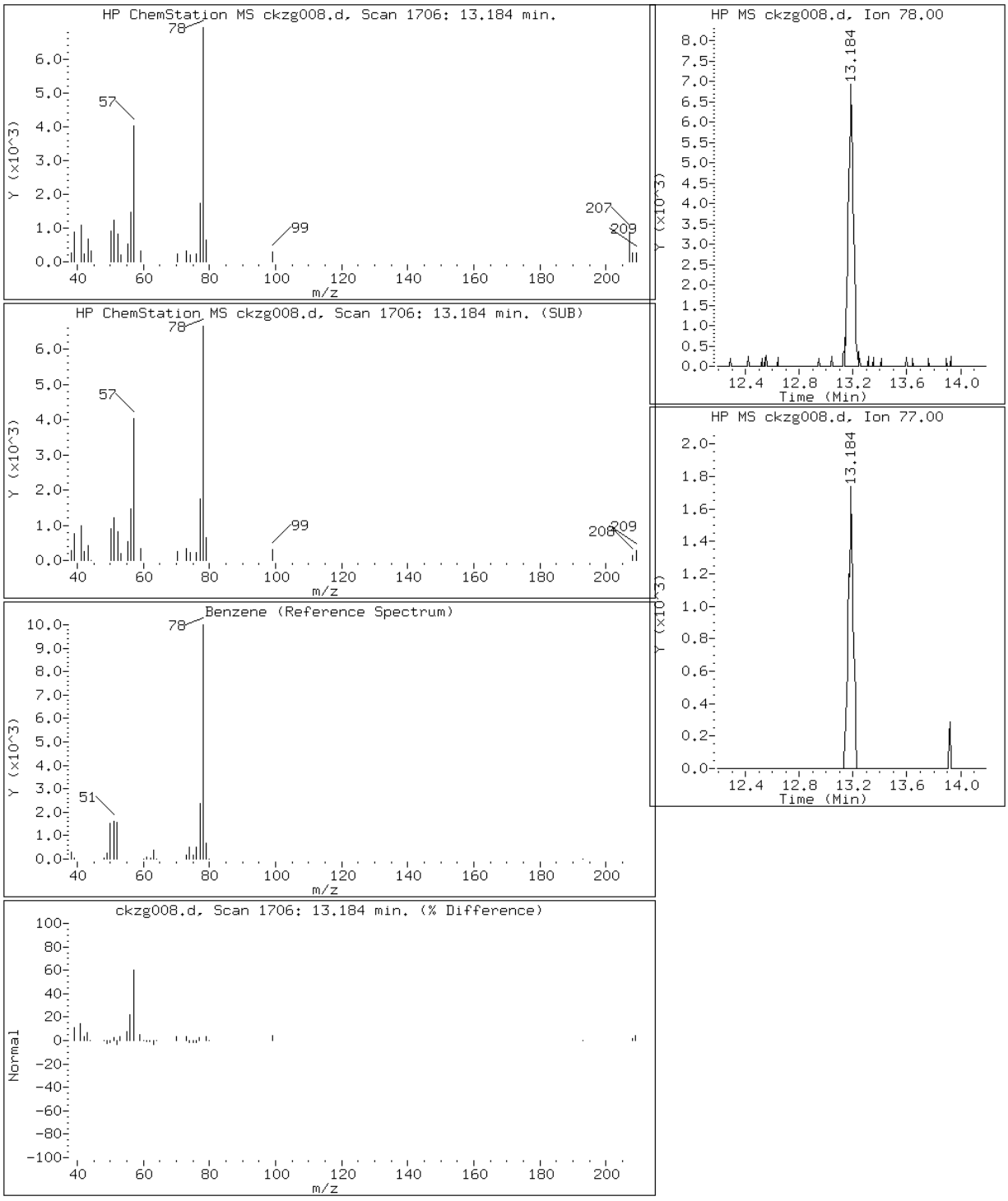
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

44 Benzene



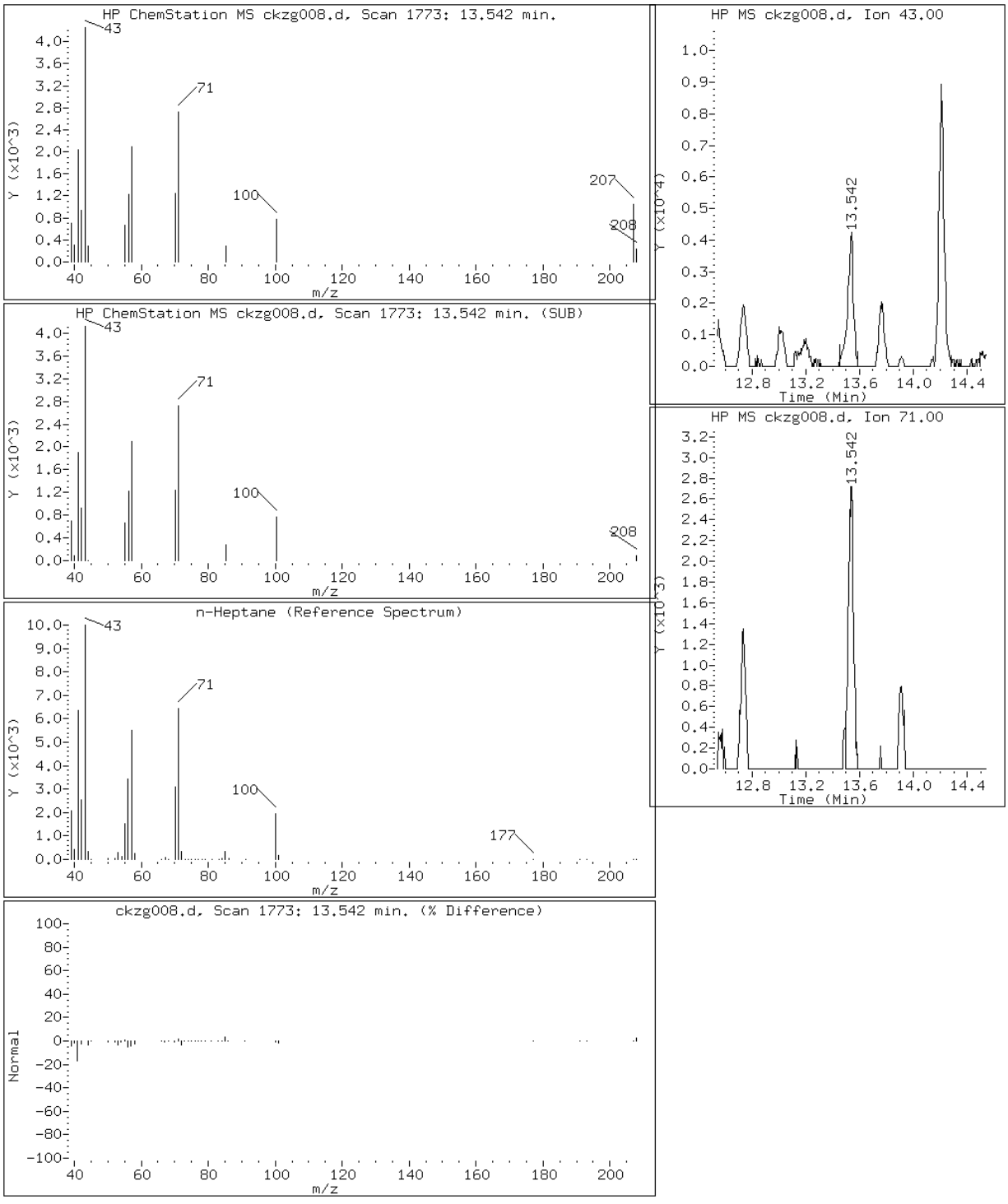
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

46 n-Heptane



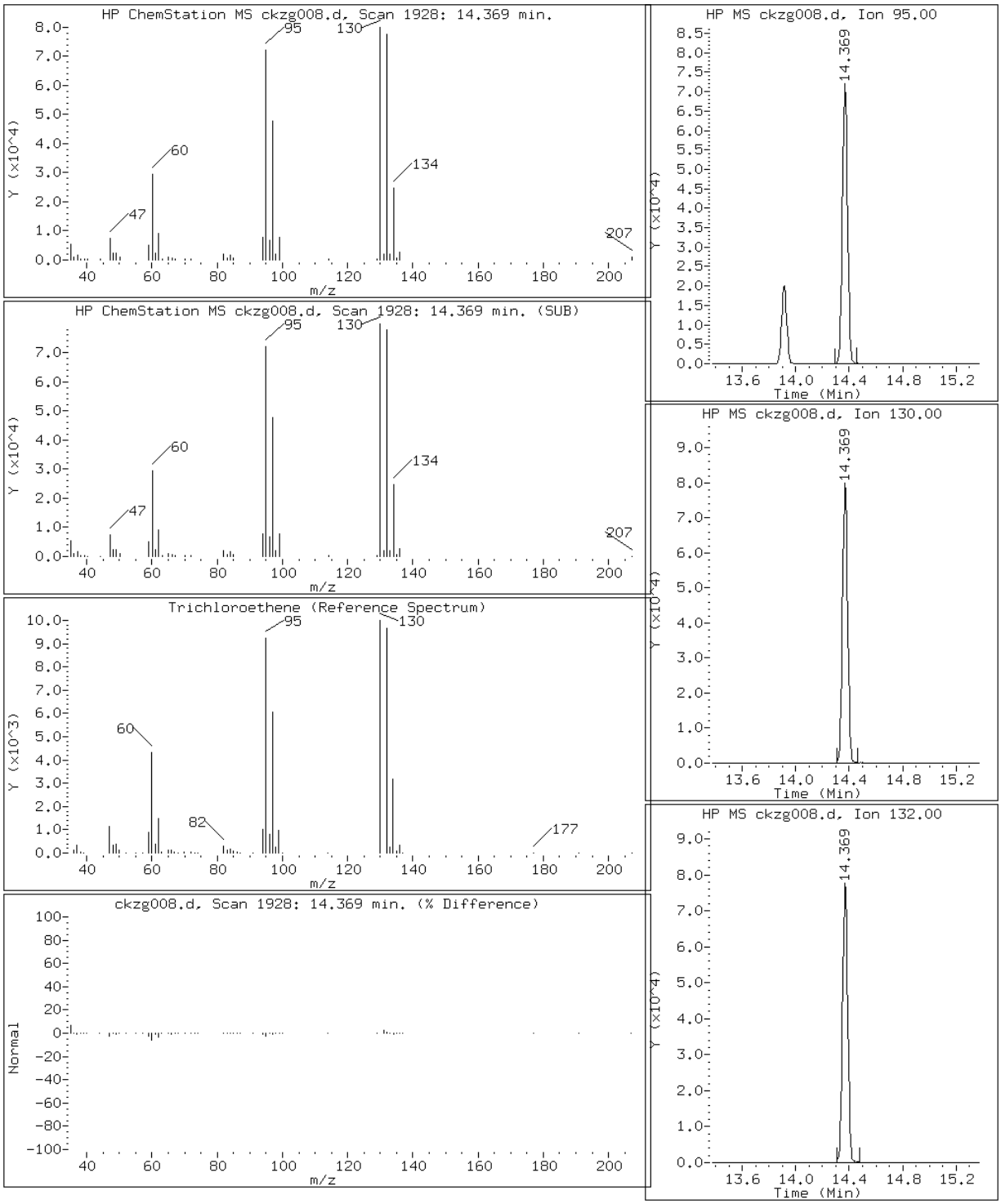
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

49 Trichloroethene



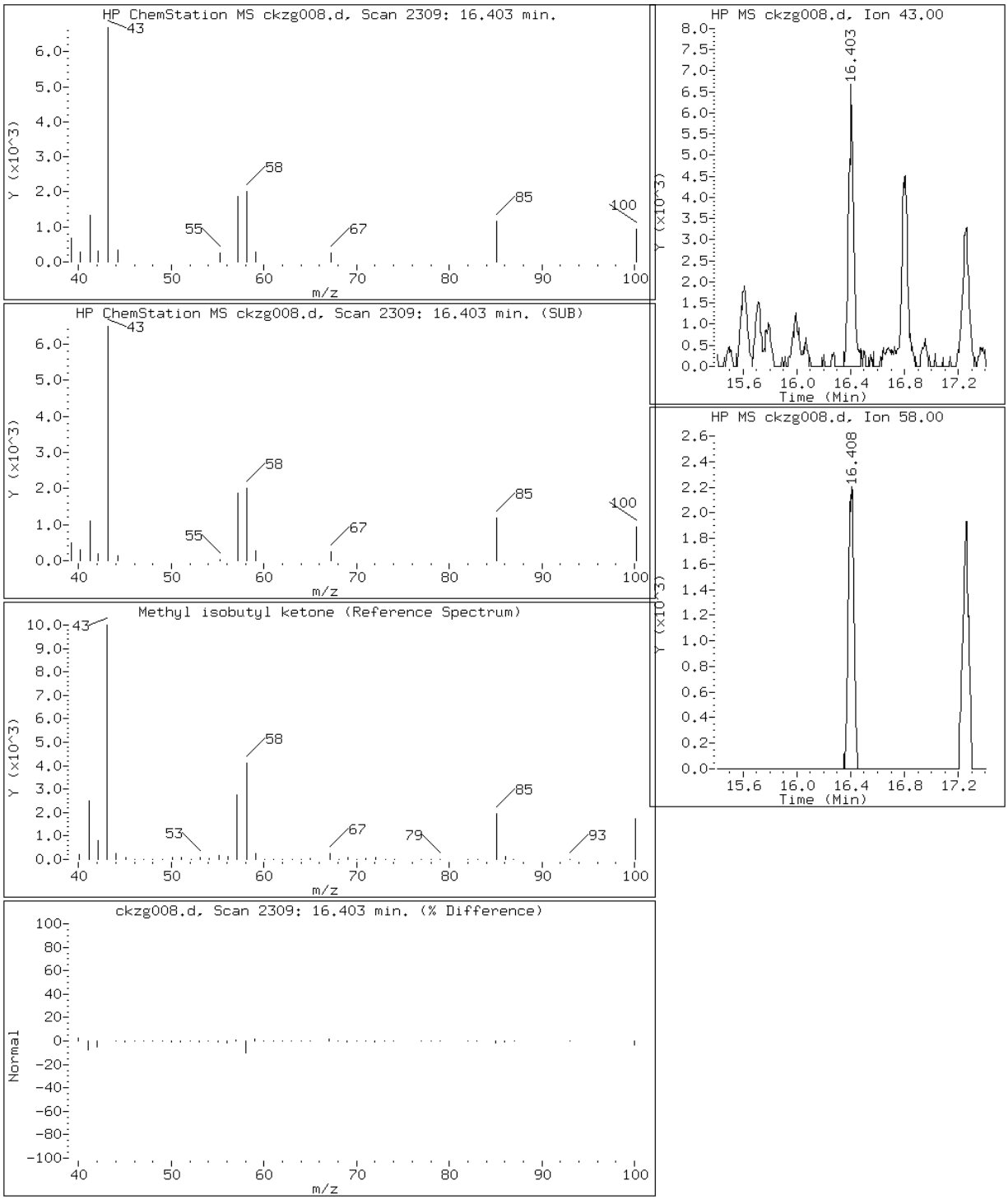
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

56 Methyl isobutyl ketone



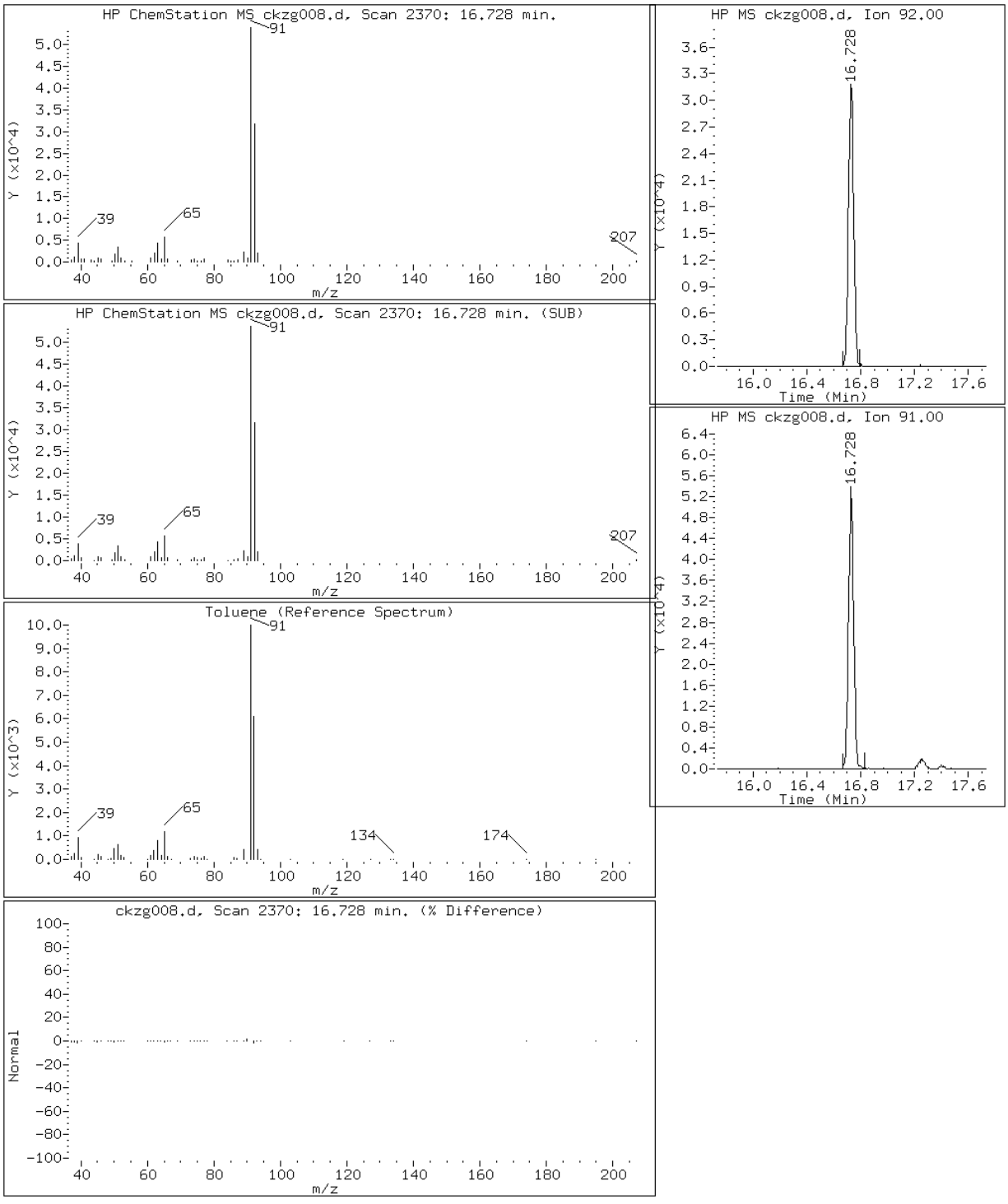
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

58 Toluene



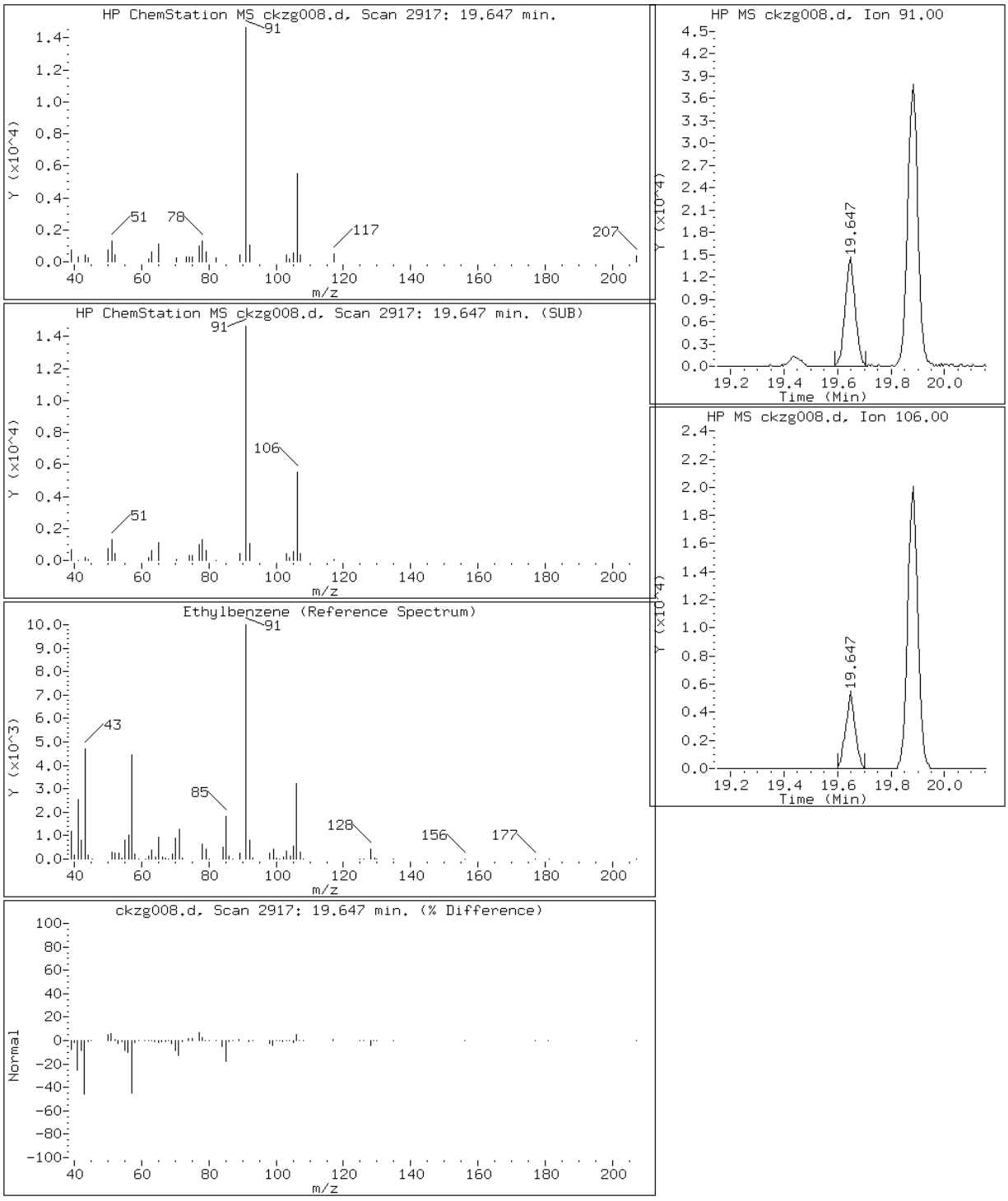
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

68 Ethylbenzene



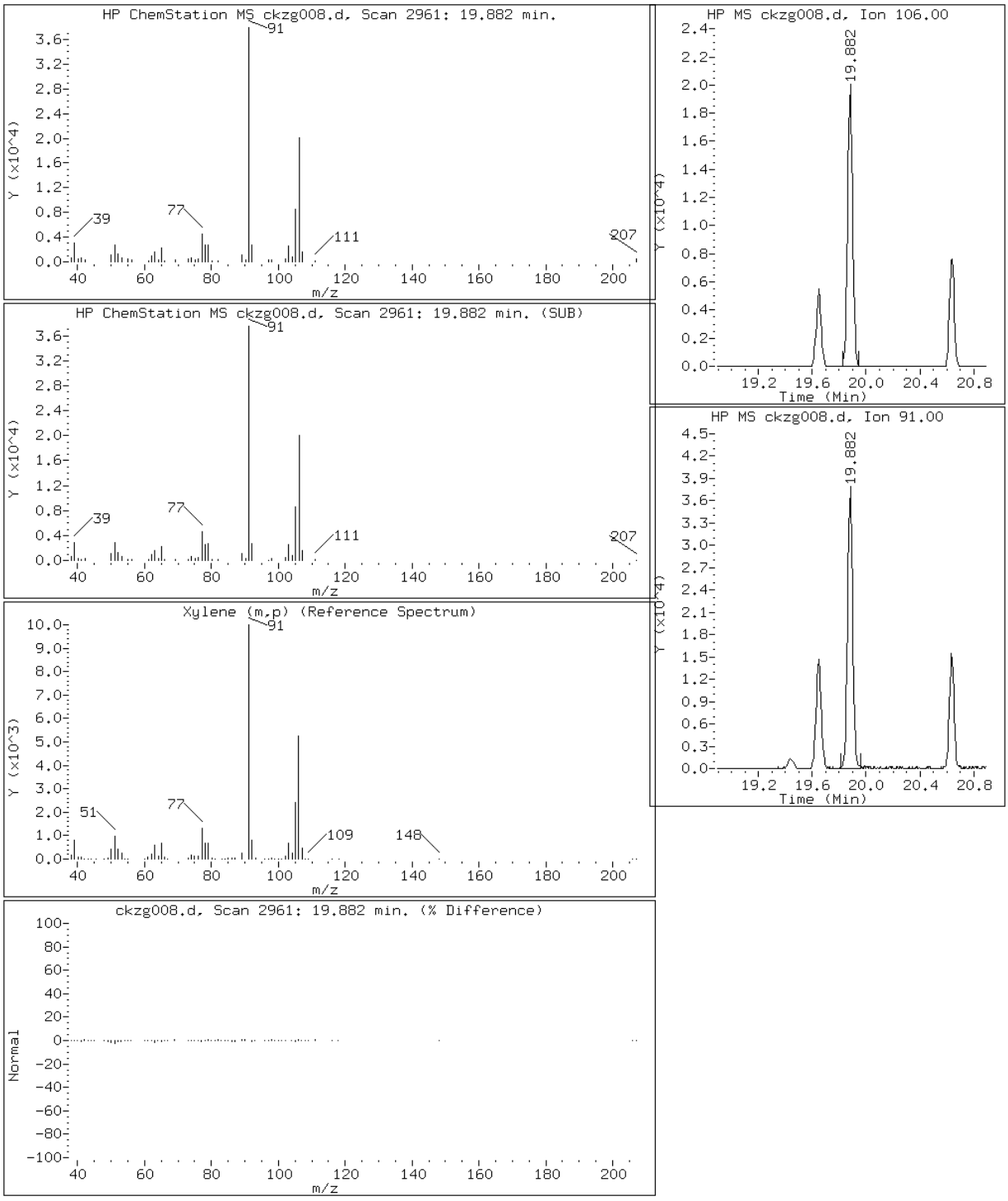
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

69 Xylene (m,p)



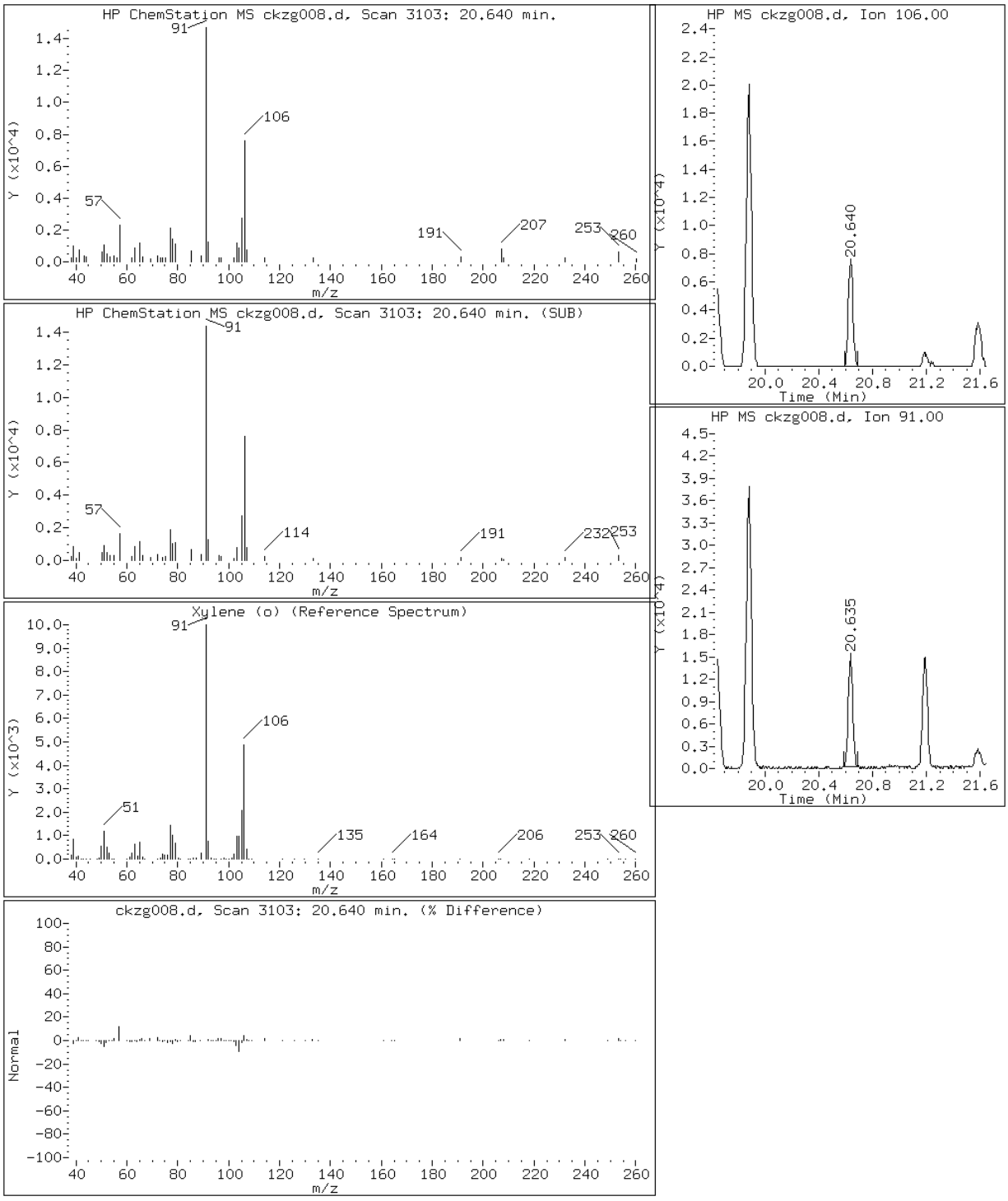
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

71 Xylene (o)



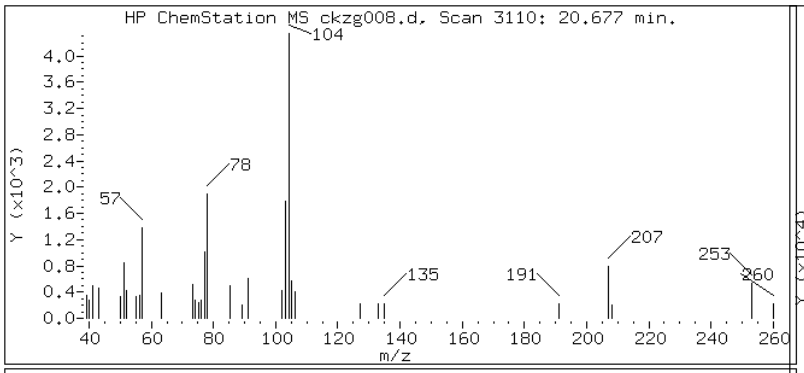
Data File: ckzg008.d

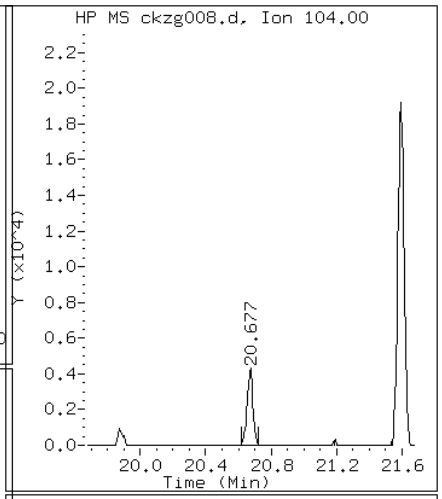
Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

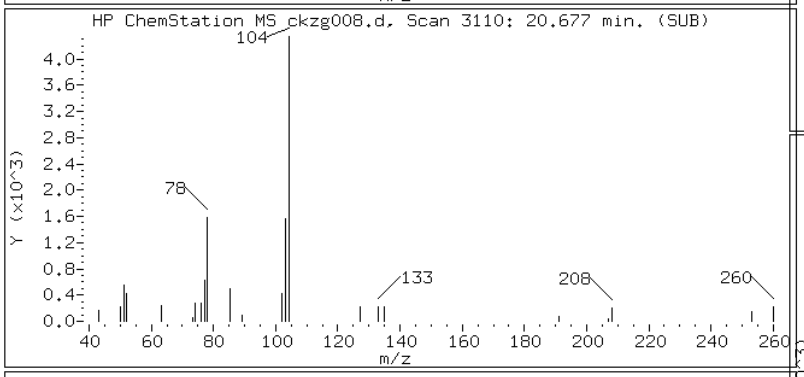
Client ID: 774VMP0201AG Instrument: C.i

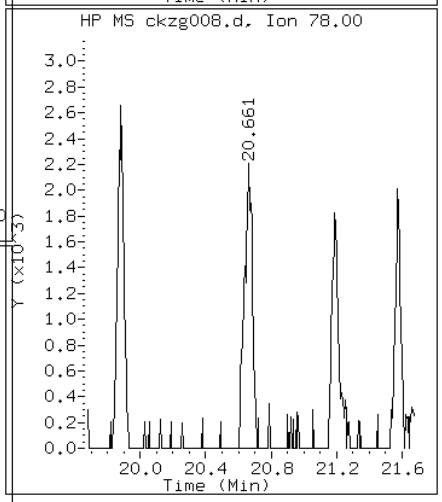
Sample Info: 280-32071-A-2 Operator: pad

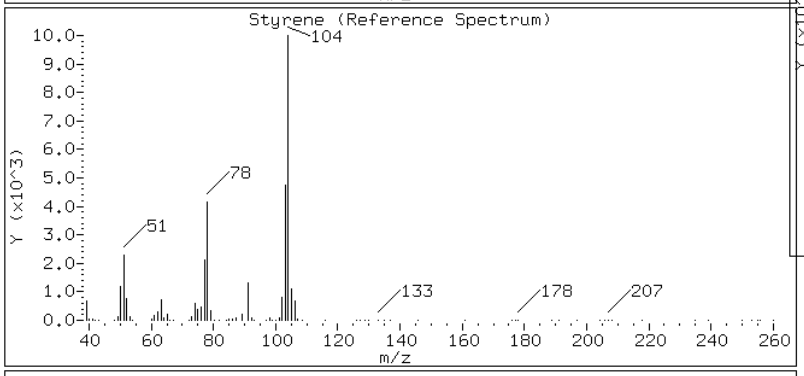
72 Styrene

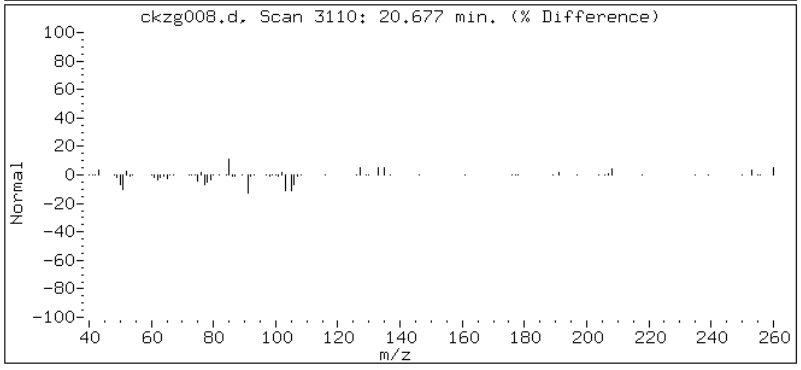












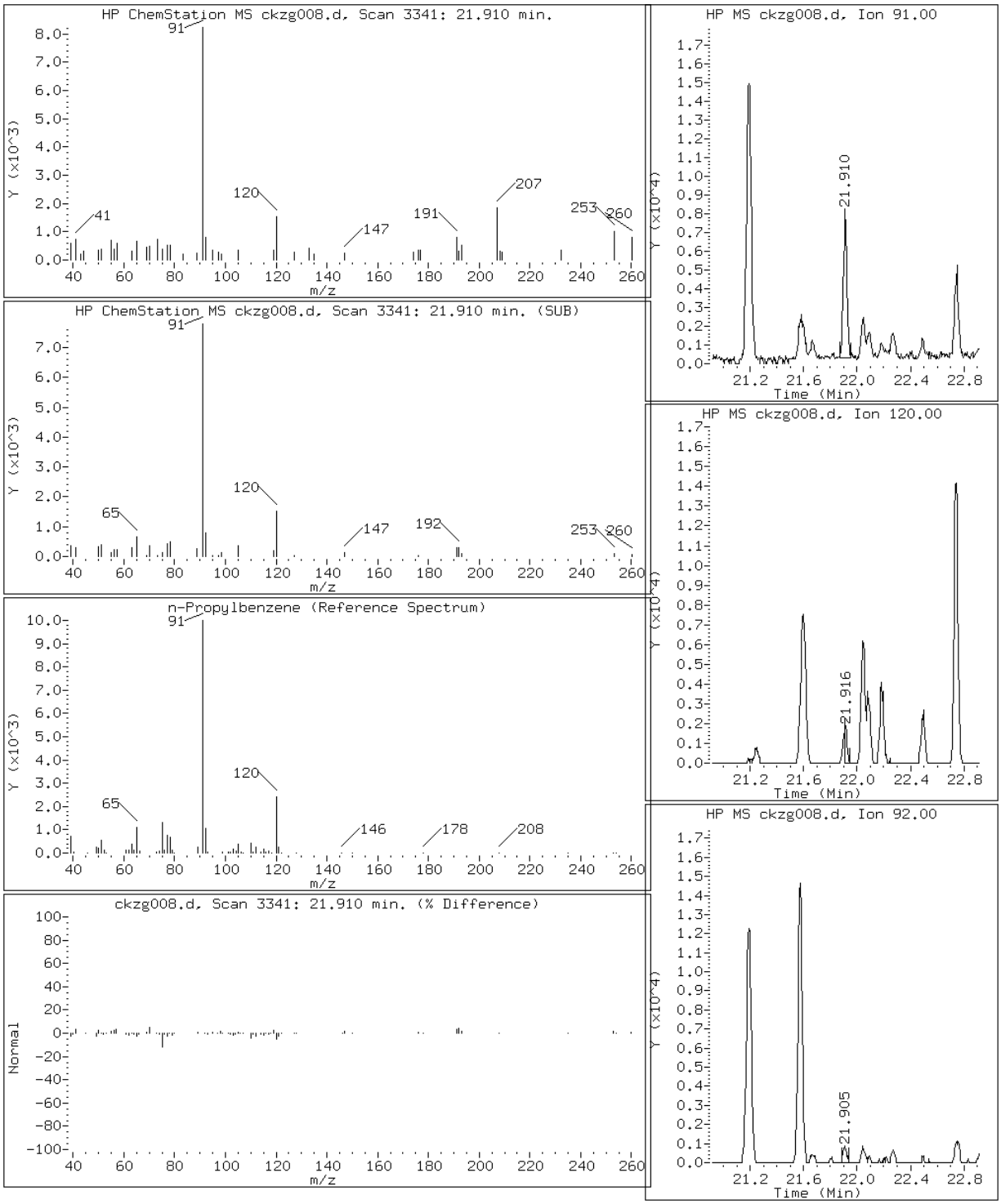
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

76 n-Propylbenzene



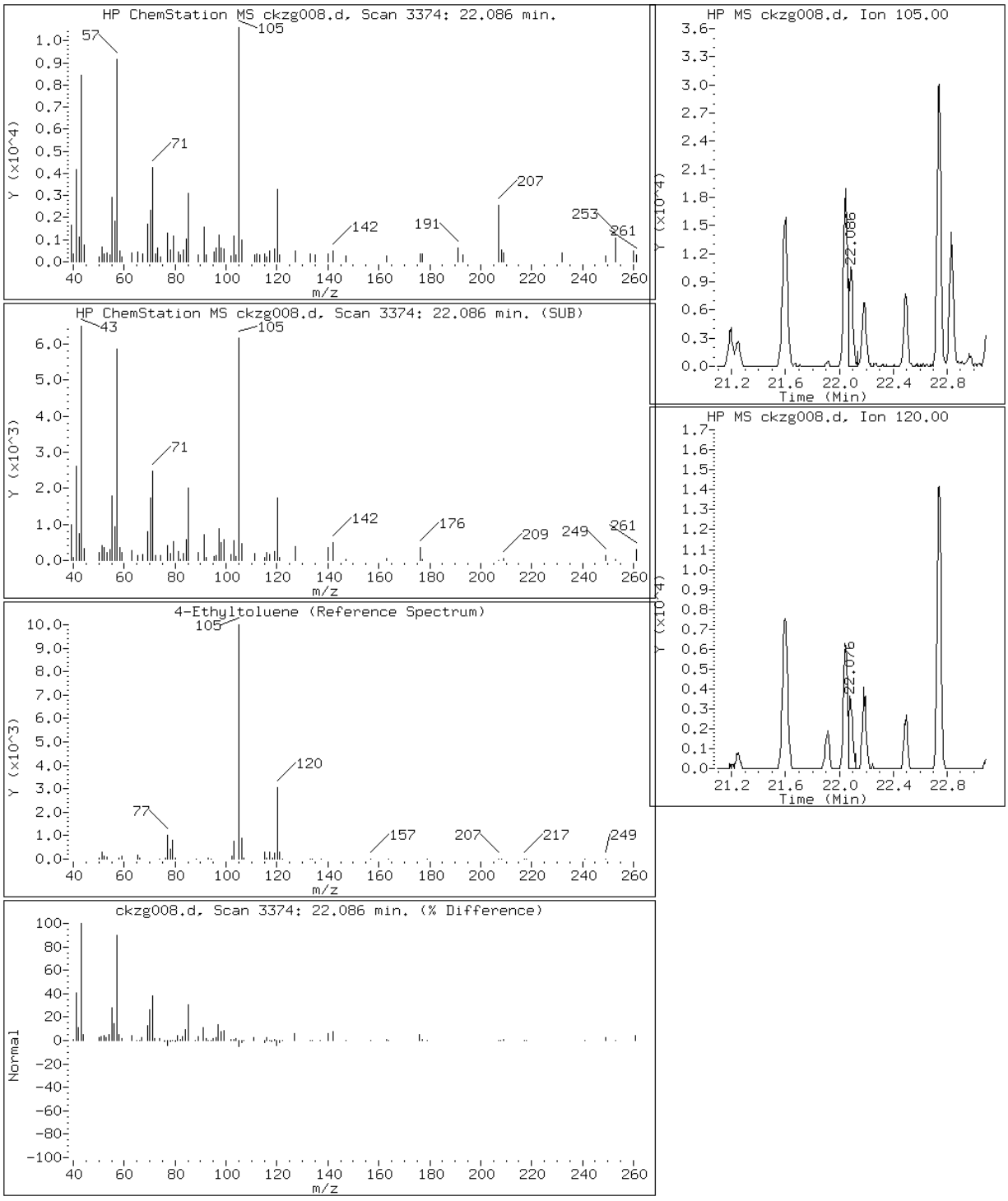
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

79 4-Ethyltoluene



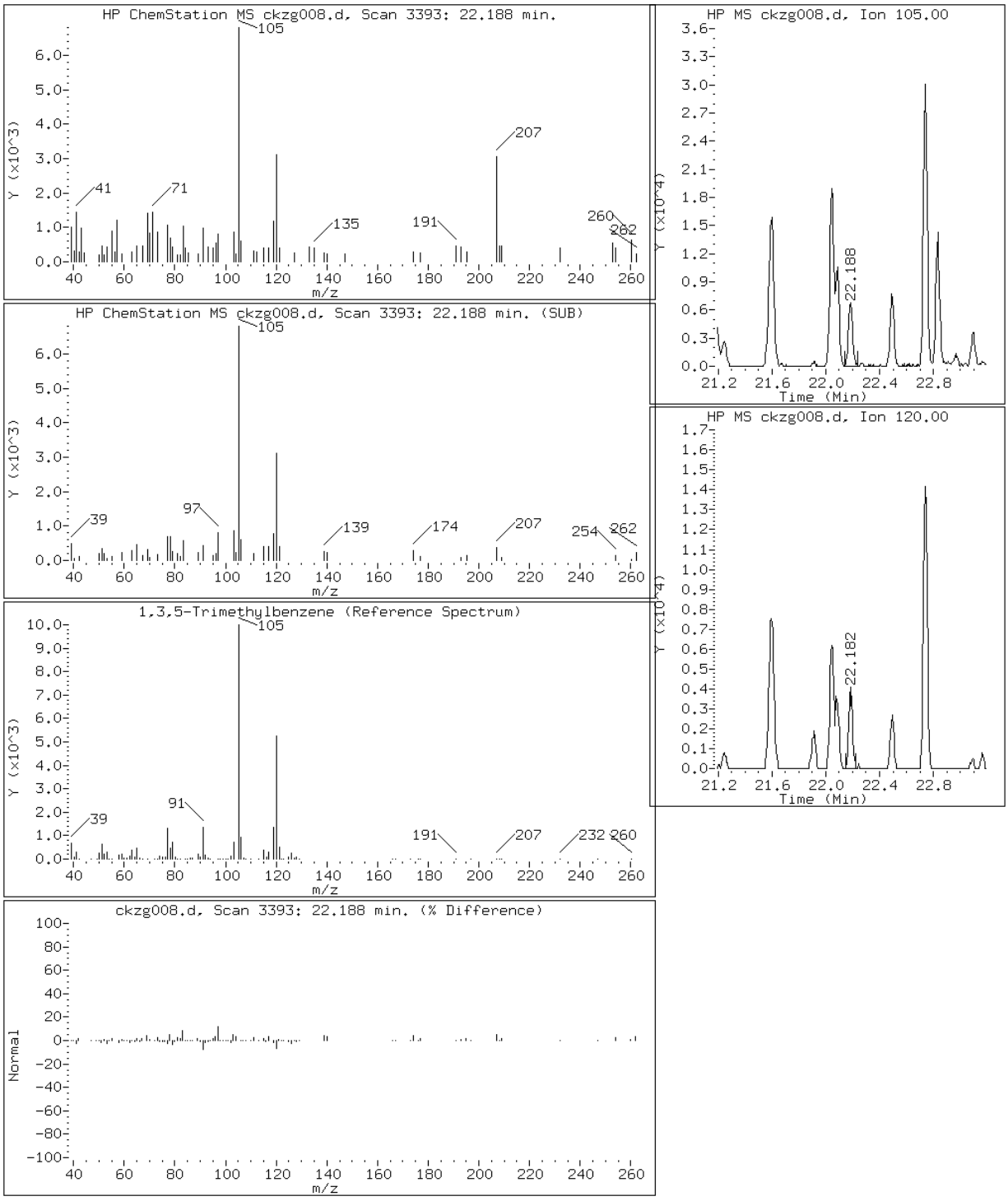
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

81 1,3,5-Trimethylbenzene



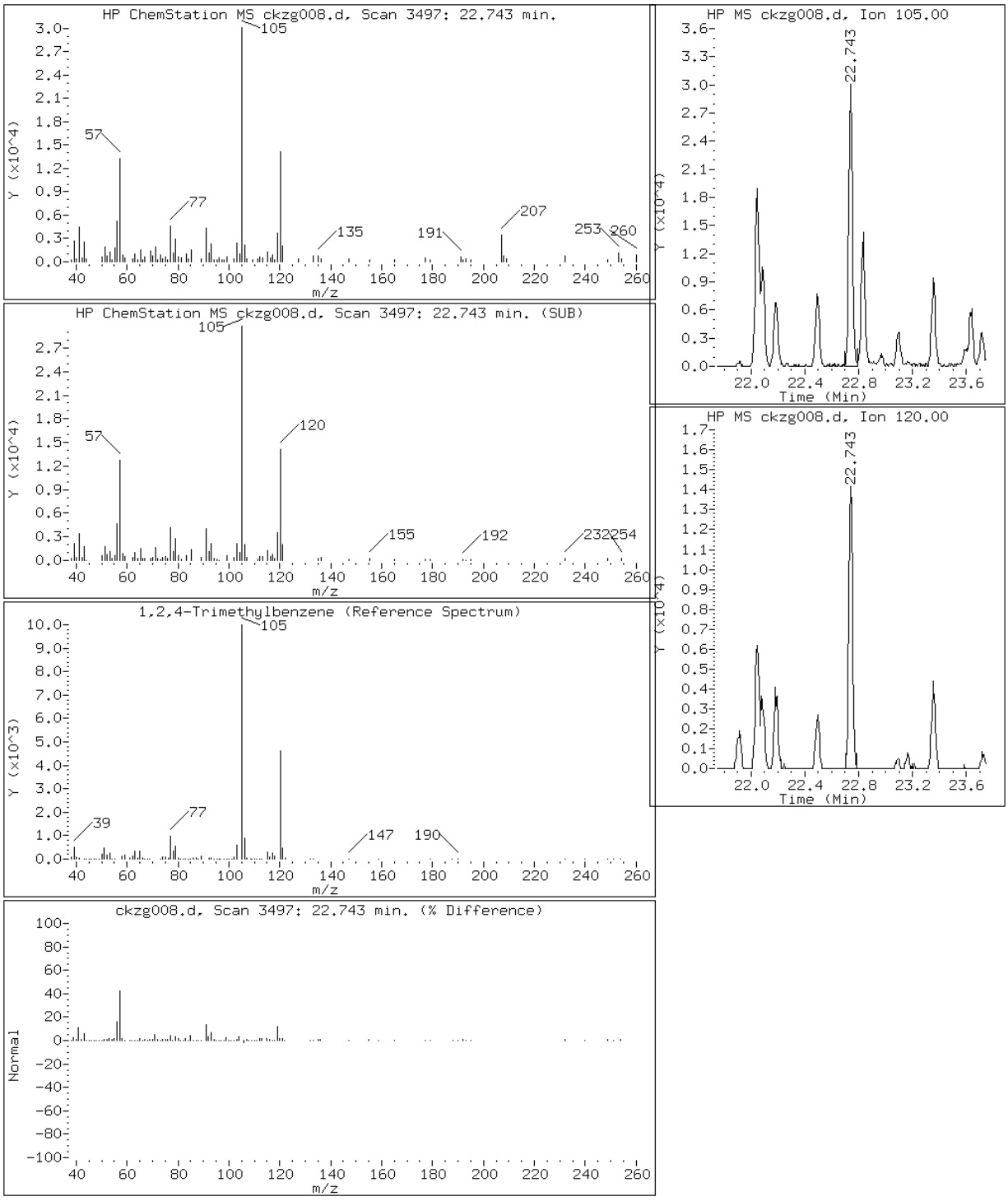
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

84 1,2,4-Trimethylbenzene



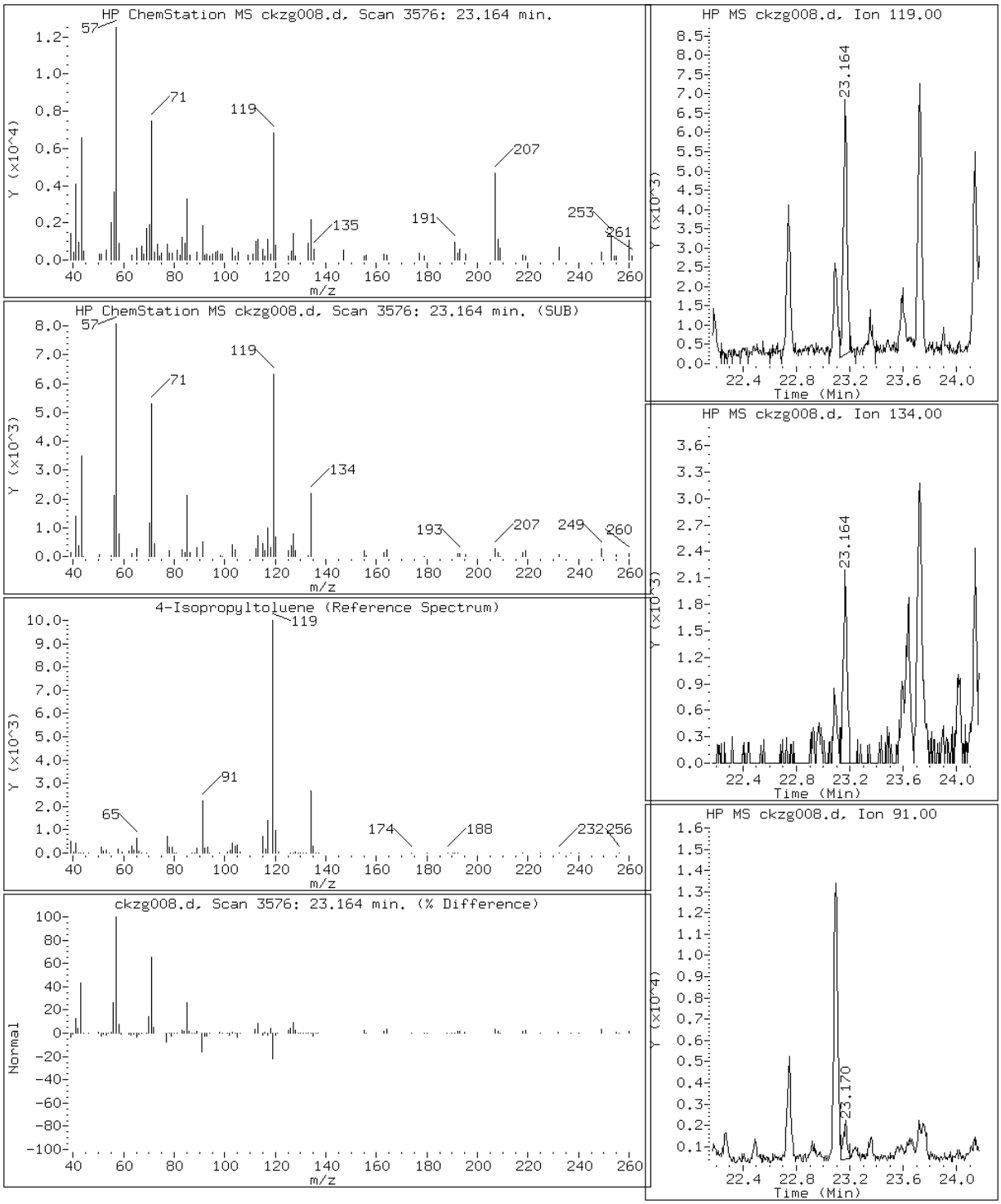
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

86 4-Isopropyltoluene



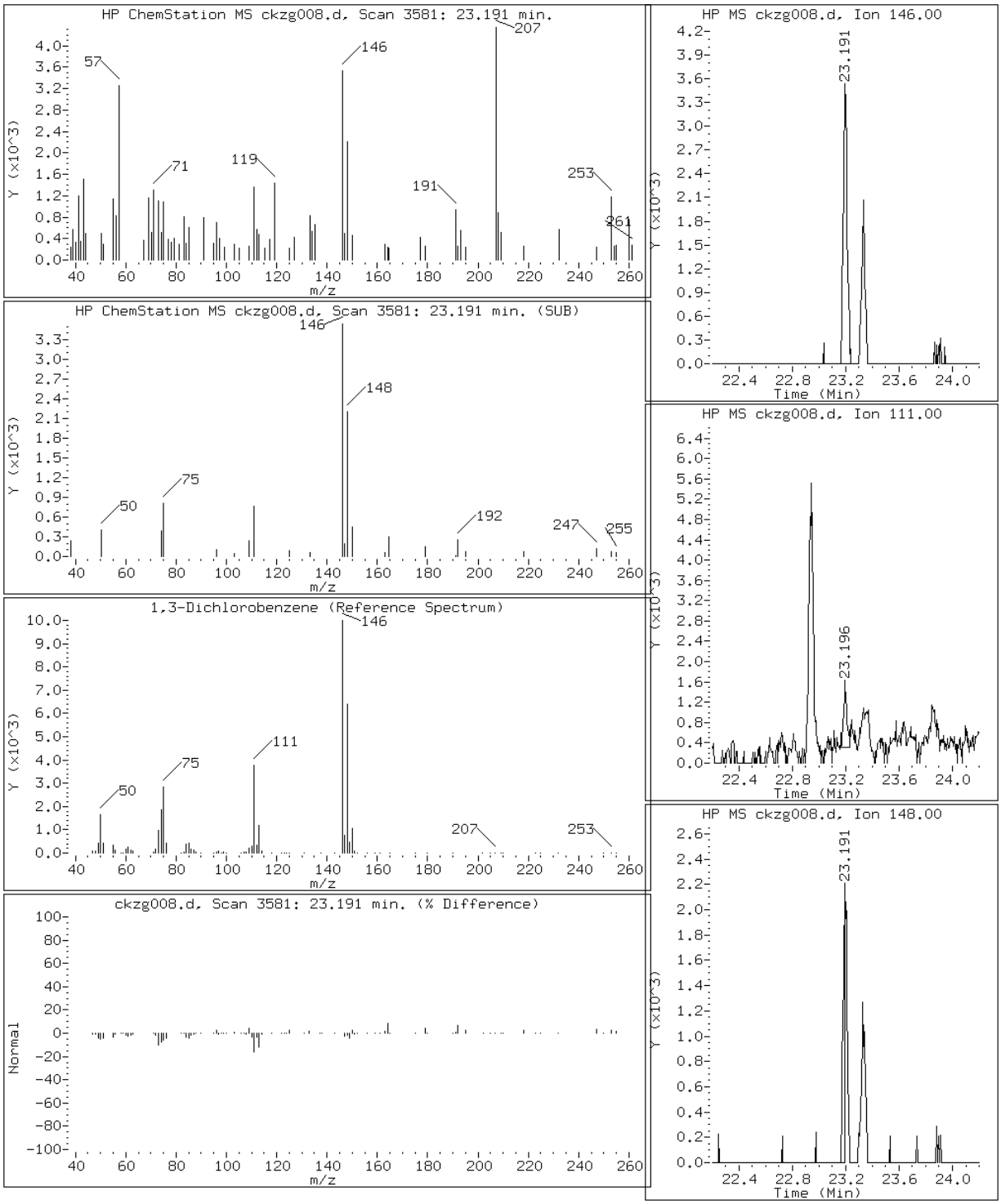
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

87 1,3-Dichlorobenzene



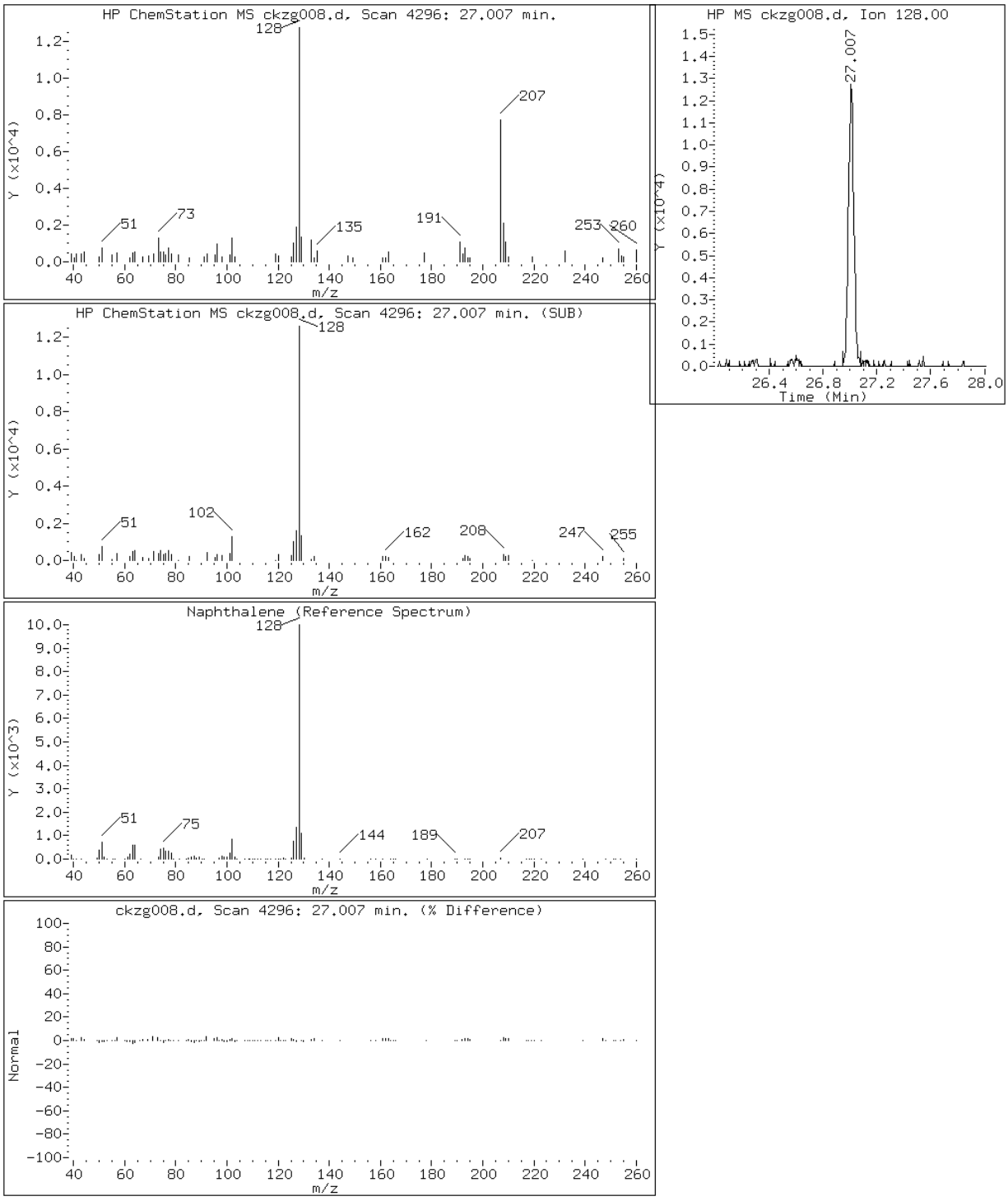
Data File: ckzg008.d

Lab Sample ID: 280-32071-2 Date: 22-AUG-2012 17:58

Client ID: 774VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-2 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg008.d
Lab Sample ID: 280-32071-2
Inj. Date and Time: 22-AUG-2012 17:58
Instrument ID: C.i
Client ID: 774VMP0201AG
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 08/28/2012

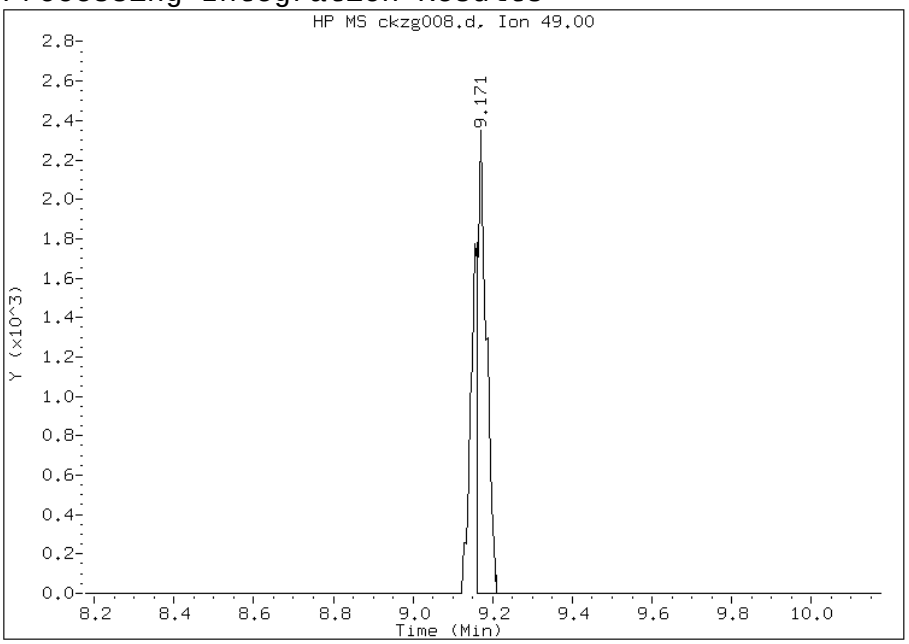
Processing Integration Results

RT: 9.17

Response: 3727

Amount: 0.119394

Conc: 0.119394



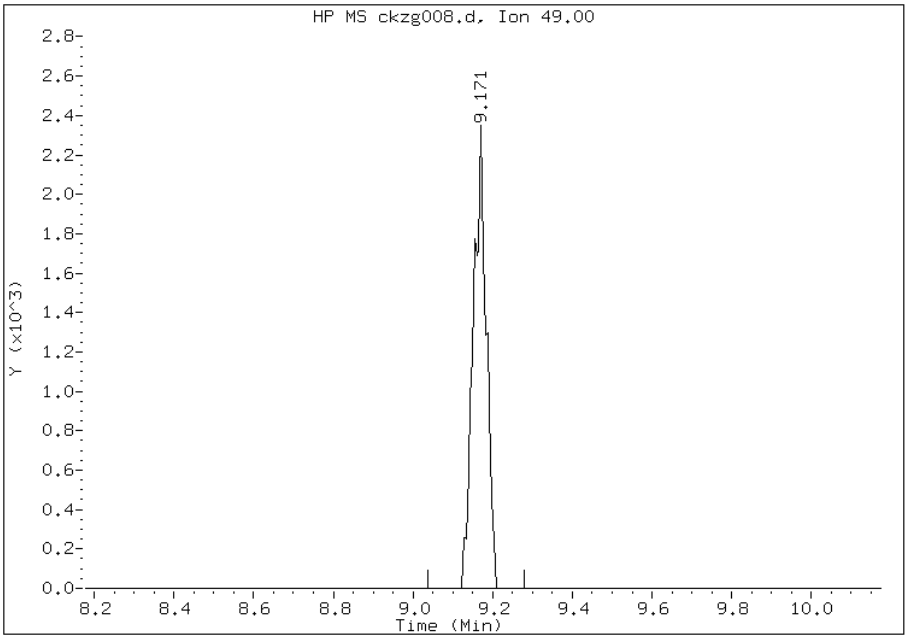
Manual Integration Results

RT: 9.17

Response: 5331

Amount: 0.170760

Conc: 0.170760



File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzg008.d
Lab Sample ID: 280-32071-2
Inj. Date and Time: 22-AUG-2012 17:58
Instrument ID: C.i
Client ID: 774VMP0201AG
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/28/2012

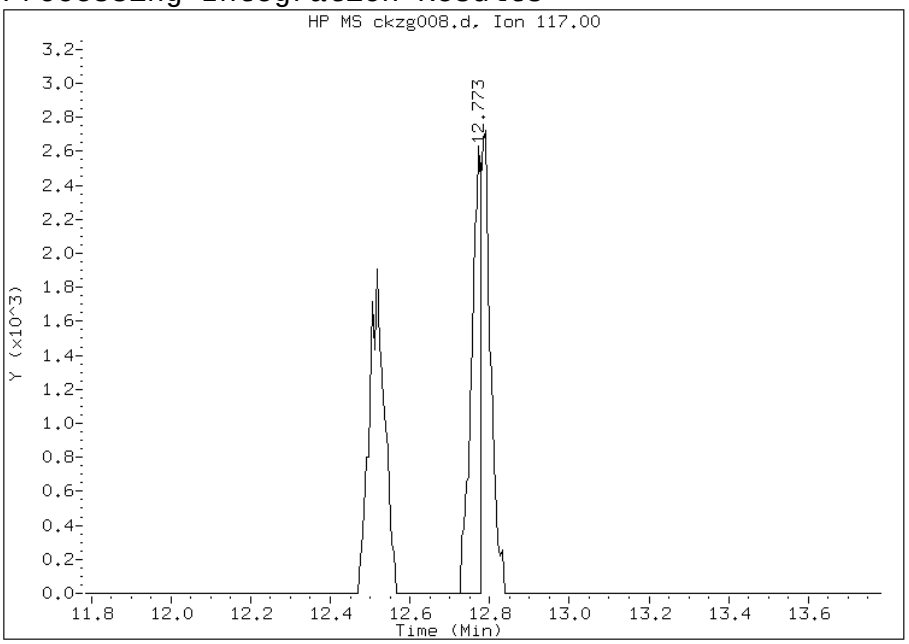
Processing Integration Results

RT: 12.77

Response: 4523

Amount: 0.050121

Conc: 0.050121



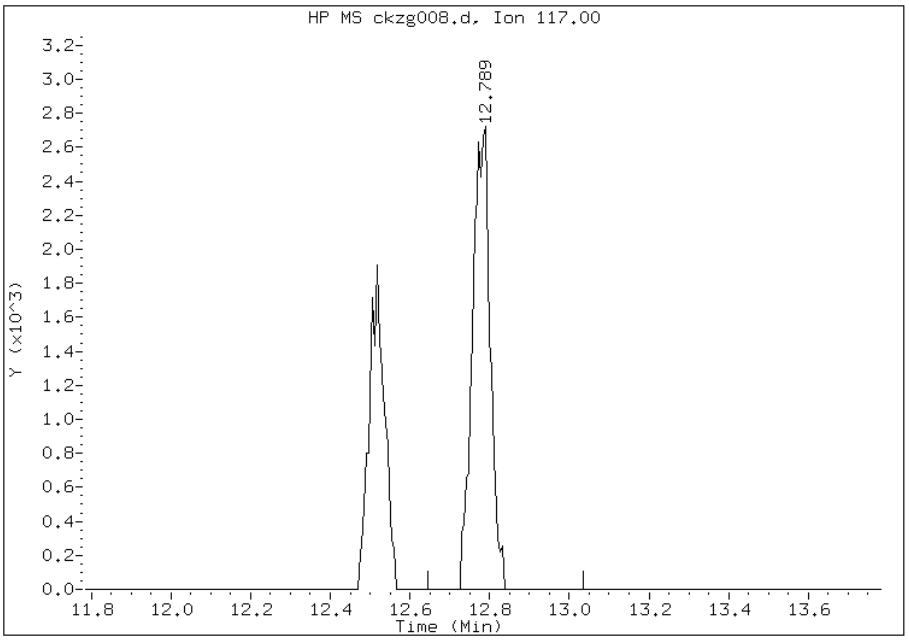
Manual Integration Results

RT: 12.79

Response: 8394

Amount: 0.093018

Conc: 0.093018



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0301AG Lab Sample ID: 280-32071-3

Matrix: Air Lab File ID: ckzg009.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 18:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.020
75-45-6	Freon 22	86.47	7.4		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.21	J	0.50	0.034
106-97-8	n-Butane	58.12	1.1		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	2.7		0.20	0.021
76-13-1	Freon TF	187.38	0.066	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	11		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	1.7	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.10	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.61		0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.42	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.44		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.3		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.045	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.45	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.24		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.12	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0301AG Lab Sample ID: 280-32071-3

Matrix: Air Lab File ID: ckzg009.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 18:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.18	J	0.20	0.017
79-01-6	Trichloroethene	131.39	0.19	J	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.091	J	0.50	0.034
108-88-3	Toluene	92.14	1.0		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.10	J	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.28	J	0.50	0.022
95-47-6	Xylene, o-	106.17	0.088	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.37		0.20	0.016
100-42-5	Styrene	104.15	0.073	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.071	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.049	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0301AG Lab Sample ID: 280-32071-3

Matrix: Air Lab File ID: ckzg009.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 18:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.13	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0301AG Lab Sample ID: 280-32071-3

Matrix: Air Lab File ID: ckzg009.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 18:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	26		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.43	J	1.0	0.070
106-97-8	n-Butane	58.12	2.7		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	15		1.1	0.12
76-13-1	Freon TF	187.38	0.51	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	25		12	0.95
67-63-0	Isopropyl alcohol	60.10	4.2	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.32	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	2.1		1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	1.3	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.6		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	3.8		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.22	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.3	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.83		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.25	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.38	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0301AG Lab Sample ID: 280-32071-3

Matrix: Air Lab File ID: ckzg009.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 18:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.72	J	0.82	0.070
79-01-6	Trichloroethene	131.39	1.0	J	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.37	J	2.0	0.14
108-88-3	Toluene	92.14	4.0		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.81	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.45	J	0.87	0.065
179601-23-1	m,p-Xylene	106.17	1.2	J	2.2	0.096
95-47-6	Xylene, o-	106.17	0.38	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.6		0.87	0.069
100-42-5	Styrene	104.15	0.31	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.27	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774VMP0301AG Lab Sample ID: 280-32071-3

Matrix: Air Lab File ID: ckzg009.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 18:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.68	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-3
Client Smp ID: 774VMP0301AG
Inj Date : 22-AUG-2012 18:51
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-3
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	51486	0.49332	0.49(a)
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	389811	7.41165	7.4
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	6069	0.20853	0.21(a)
6 Butane	43	5.067	5.078	(0.419)	58799	1.14221	1.1
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.566)	298062	2.70797	2.7
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.013	8.034	(0.663)	5110	0.06640	0.066(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.258	8.269	(0.683)	445178	10.6365	11

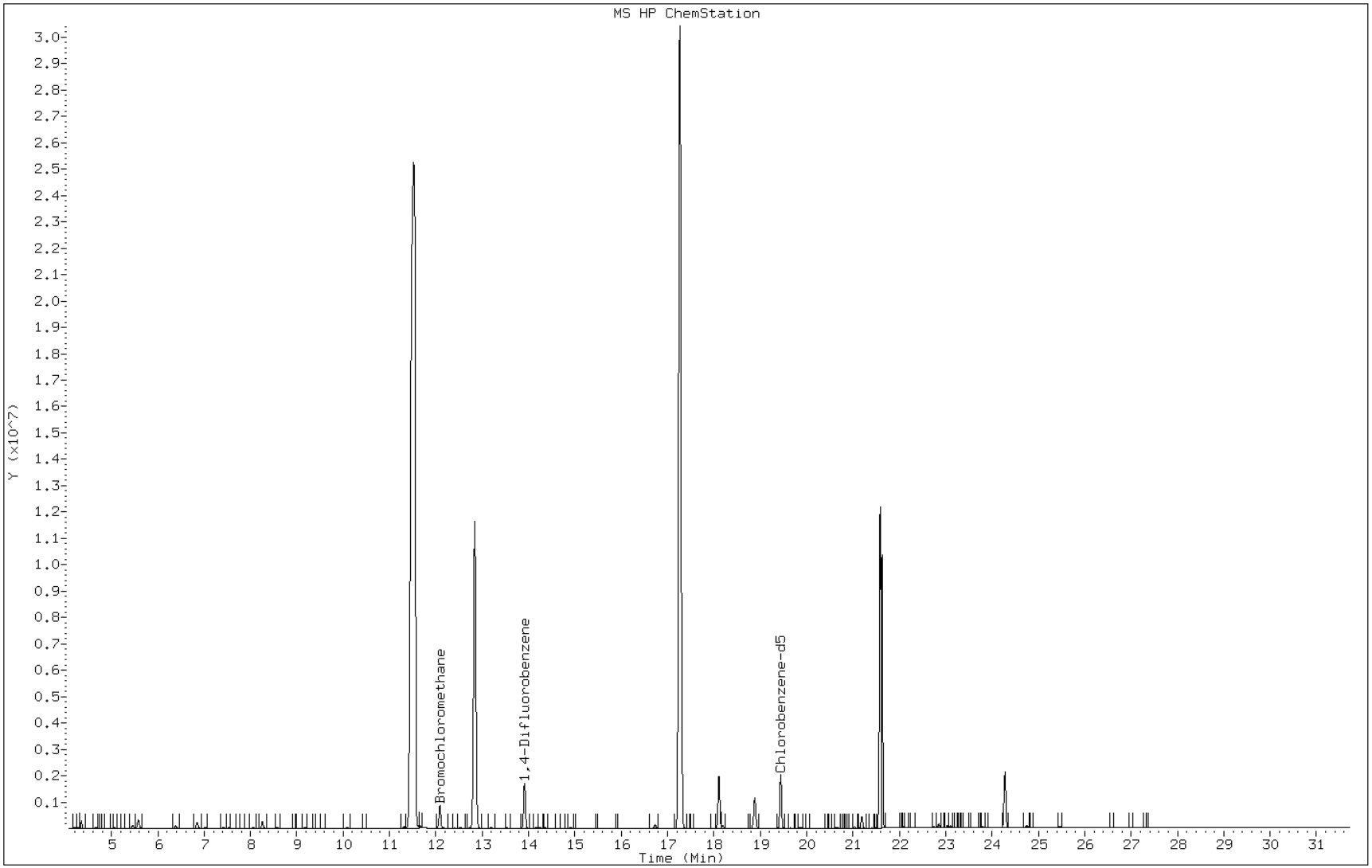
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.493	8.509	(0.703)	10398	0.10249	0.10(a)
	22 Isopropanol	45	8.568	8.573	(0.709)	50497	1.71724	1.7(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.171	9.177	(0.759)	21661	0.60669	0.61
	26 Tert-butyl alcohol	59	9.395	9.390	(0.777)	18786	0.42000	0.42(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	25347	0.44064	0.44
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	20695	1.30133	1.3(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	380106	10.0000	
	38 Tetrahydrofuran	42	12.149	12.139	(0.873)	15584	0.44888	0.45(a)
	39 Chloroform	83	12.208	12.213	(1.010)	3842	0.04525	0.045(aQ)
	40 Cyclohexane	84	12.533	12.544	(0.901)	14933	0.24107	0.24(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.184	13.190	(0.947)	15706	0.12008	0.12(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.537	13.542	(0.973)	12252	0.17599	0.18(a)
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	2208441	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	11752	0.19091	0.19(a)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	5613	0.09089	0.091(a)
	58 Toluene	92	16.733	16.734	(0.861)	103920	1.04913	1.0
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.982	17.993	(0.925)	11390	0.19741	0.20(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	2066183	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.642	19.653	(1.010)	21390	0.10266	0.10(a)
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	24308	0.28004	0.28(a)
M	70 Xylenes, Total	106				31667	0.36761	0.37
	71 Xylene (o)	106	20.640	20.646	(1.061)	7359	0.08757	0.088(aQ)
	72 Styrene	104	20.667	20.678	(1.063)	8627	0.07259	0.073(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	13940	0.07099	0.071(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.170	23.170	(1.192)	11971	0.04917	0.049(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.012	27.012	(1.389)	14849	0.13006	0.13(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzg009.d	Date:	22-AUG-2012 18:51
Client ID:	774VMP0301AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-3		
Lab Sample ID:	280-32071-3		



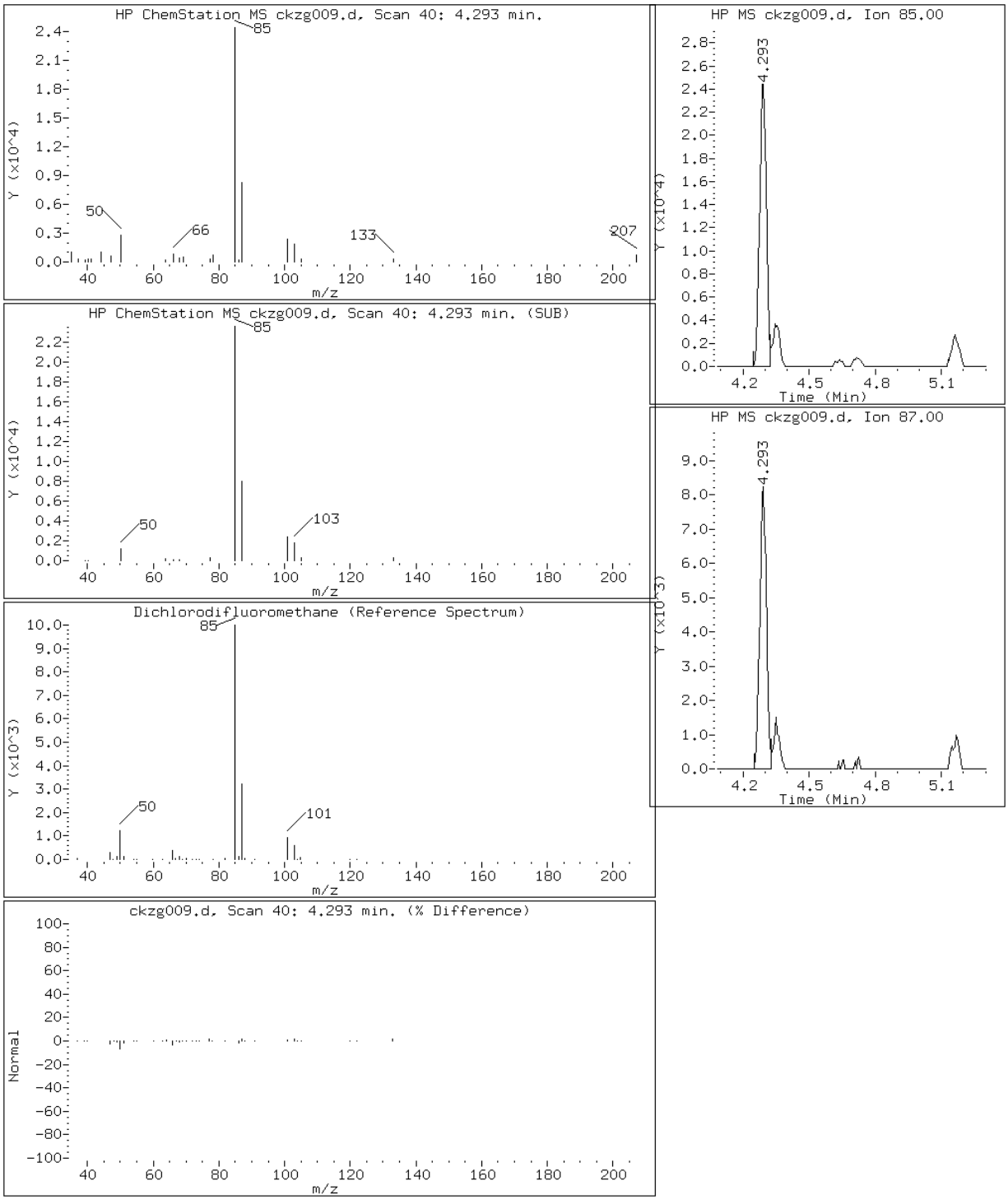
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

2 Dichlorodifluoromethane



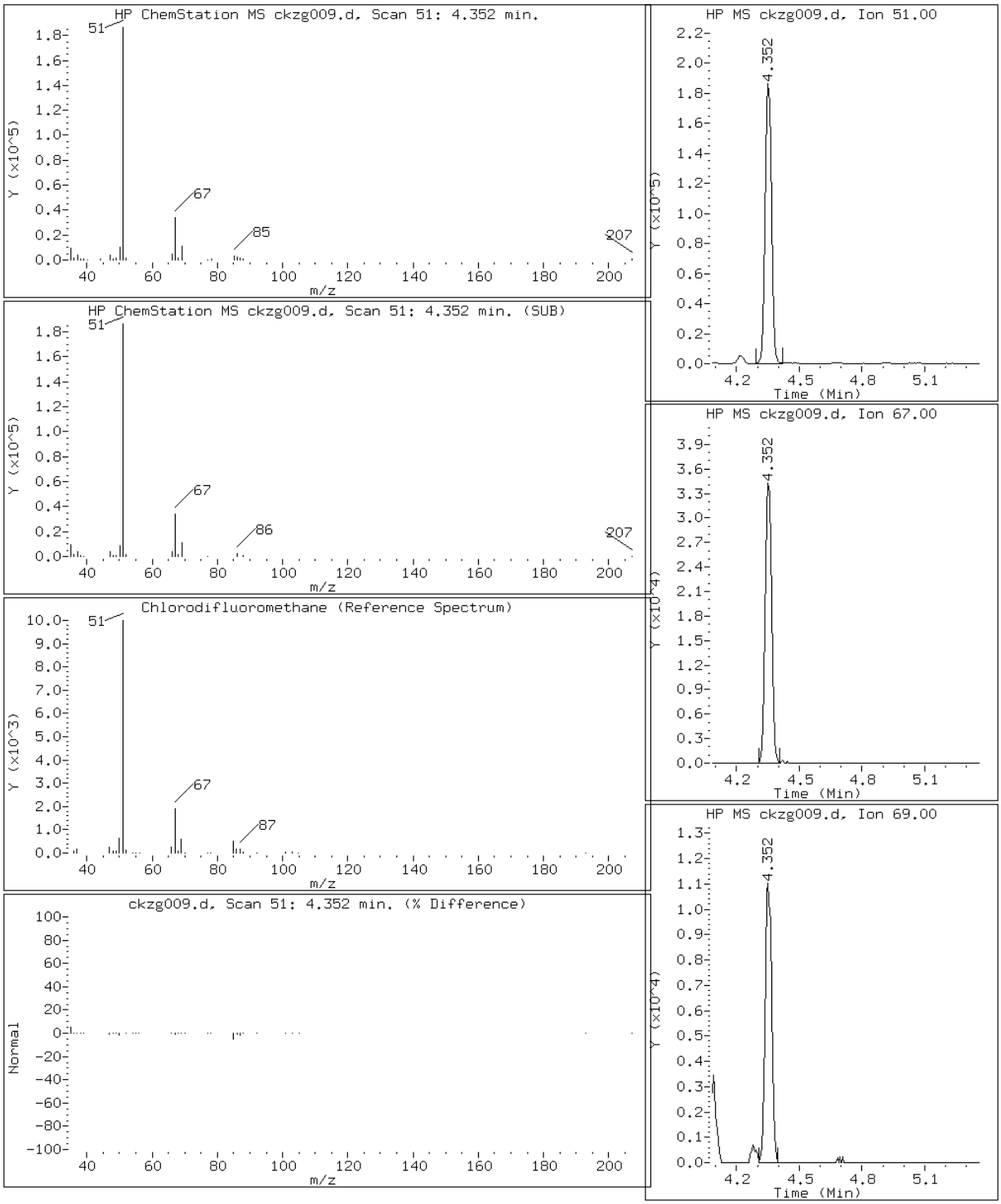
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

3 Chlorodifluoromethane



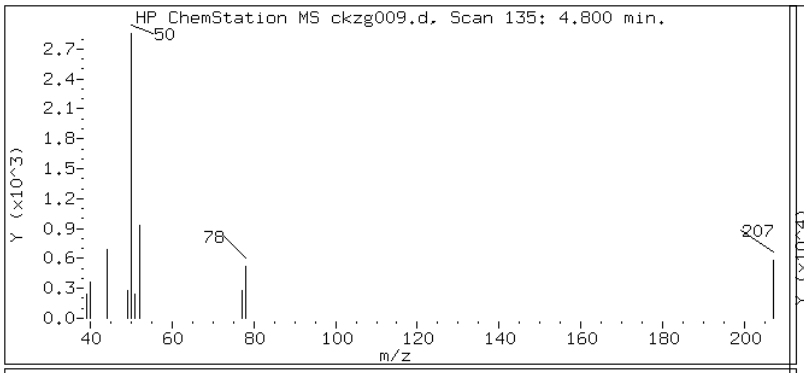
Data File: ckzg009.d

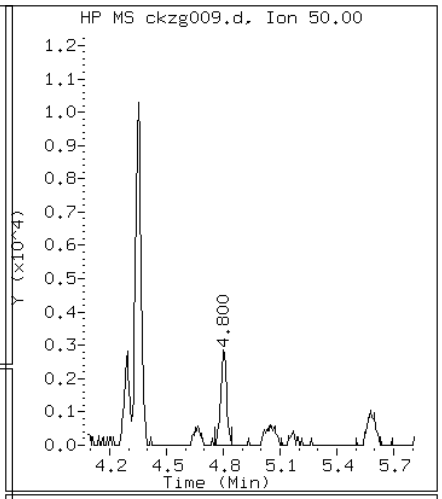
Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

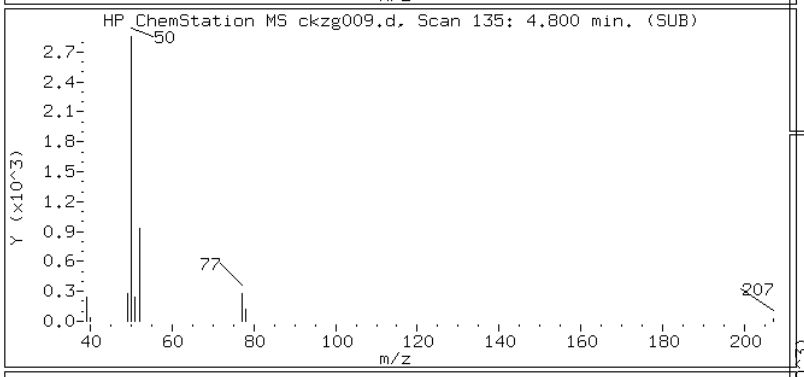
Client ID: 774VMP0301AG Instrument: C.i

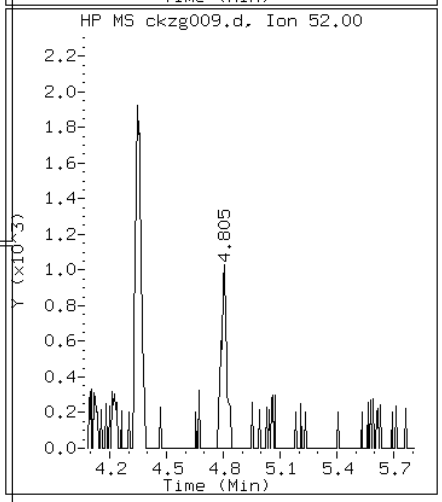
Sample Info: 280-32071-A-3 Operator: pad

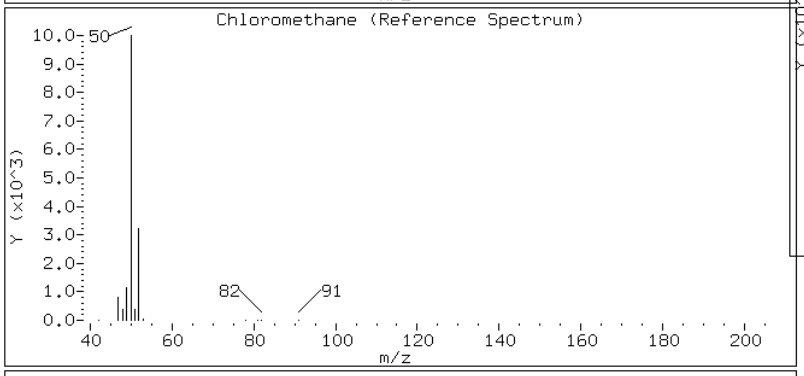
5 Chloromethane

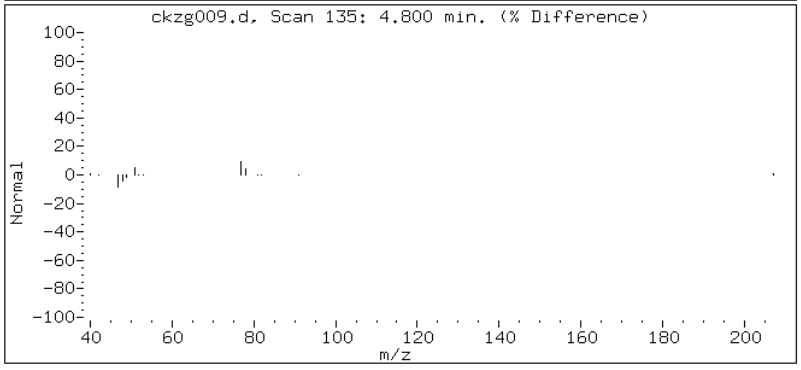












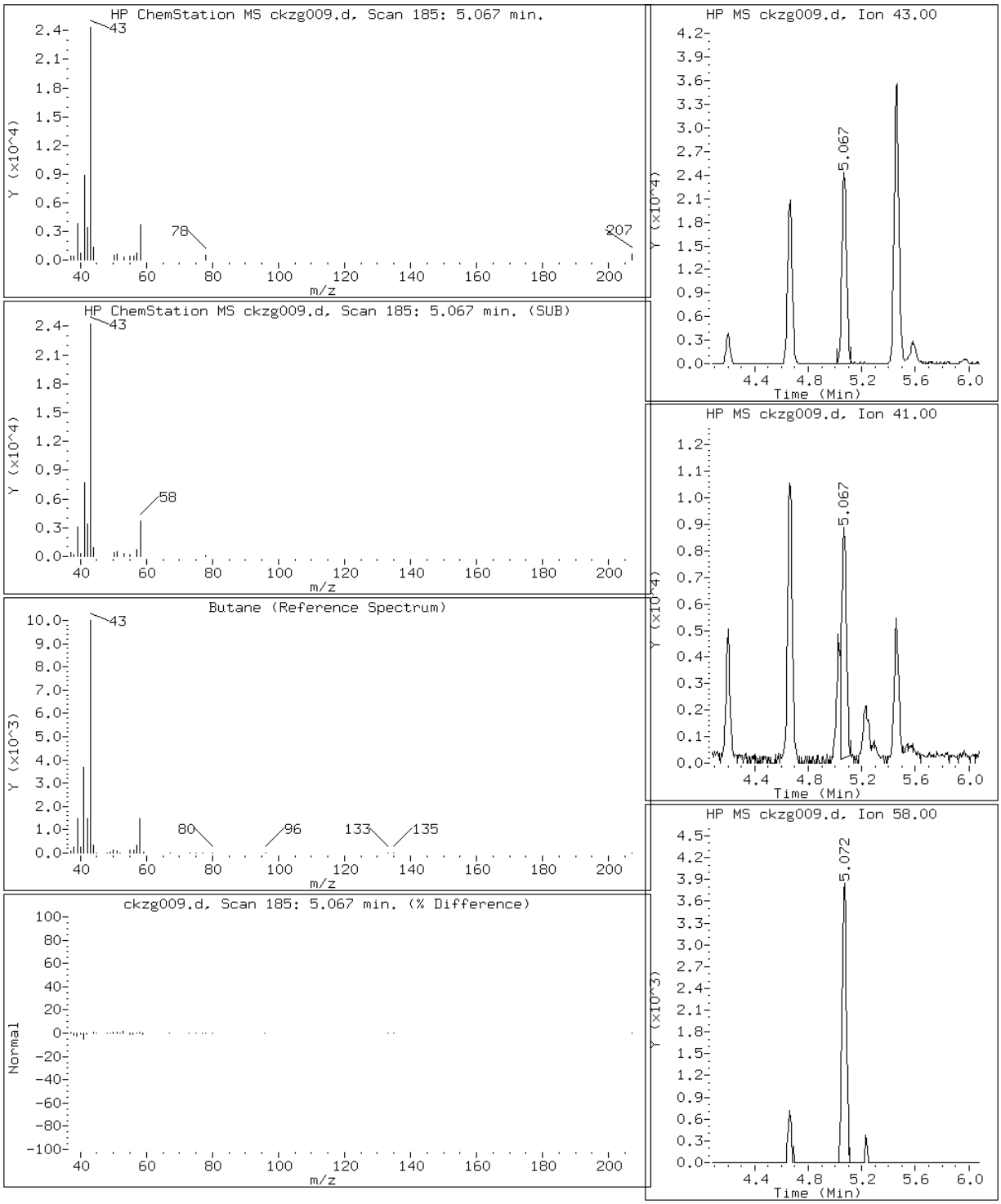
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

6 Butane



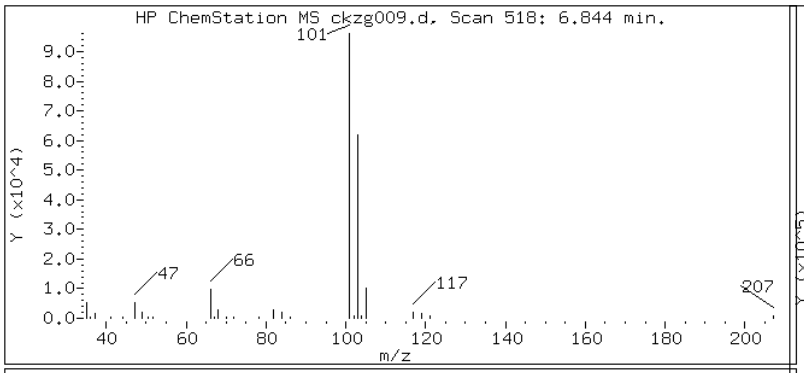
Data File: ckzg009.d

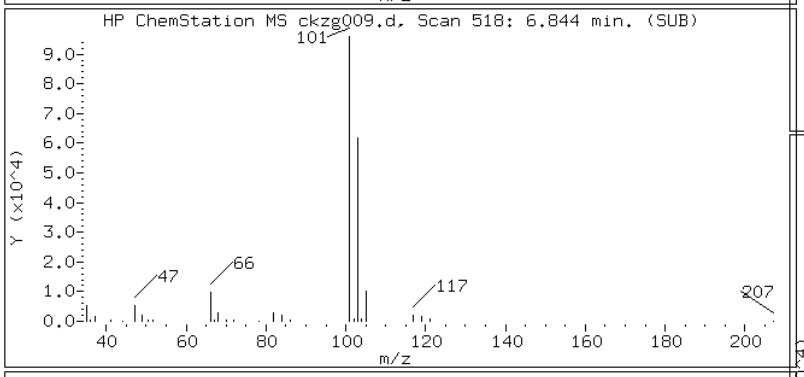
Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

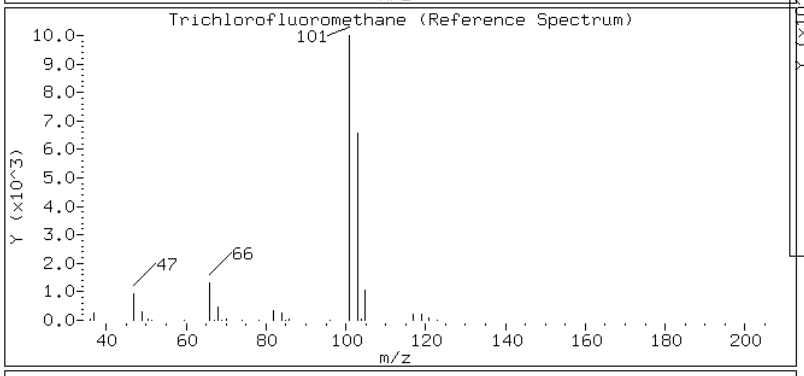
Client ID: 774VMP0301AG Instrument: C.i

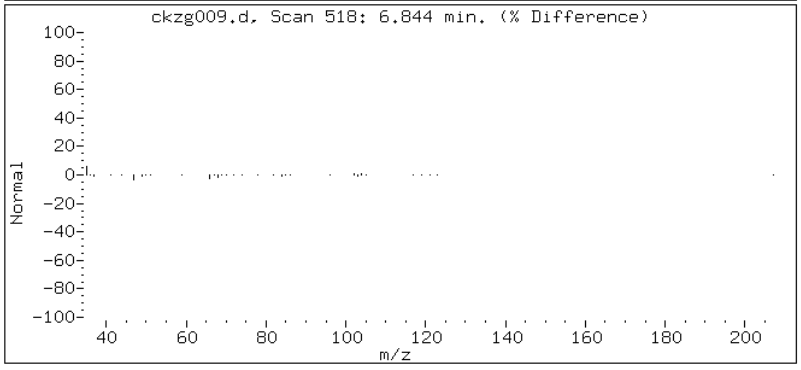
Sample Info: 280-32071-A-3 Operator: pad

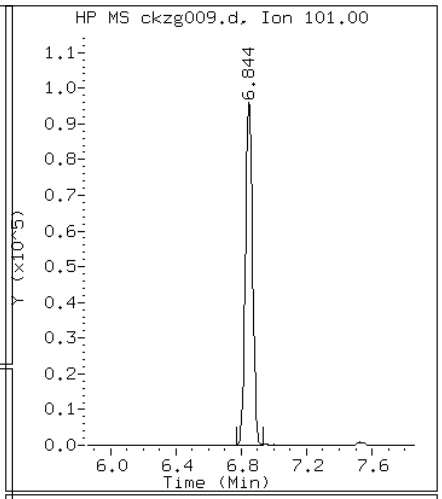
13 Trichlorofluoromethane

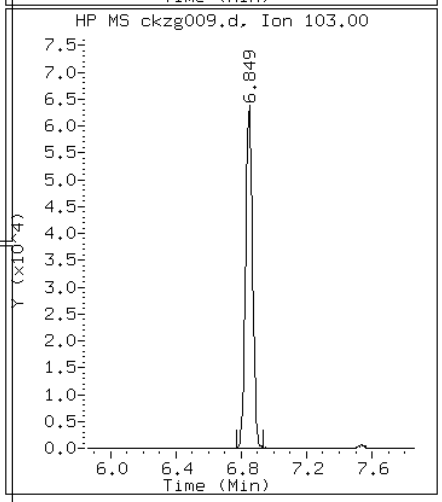












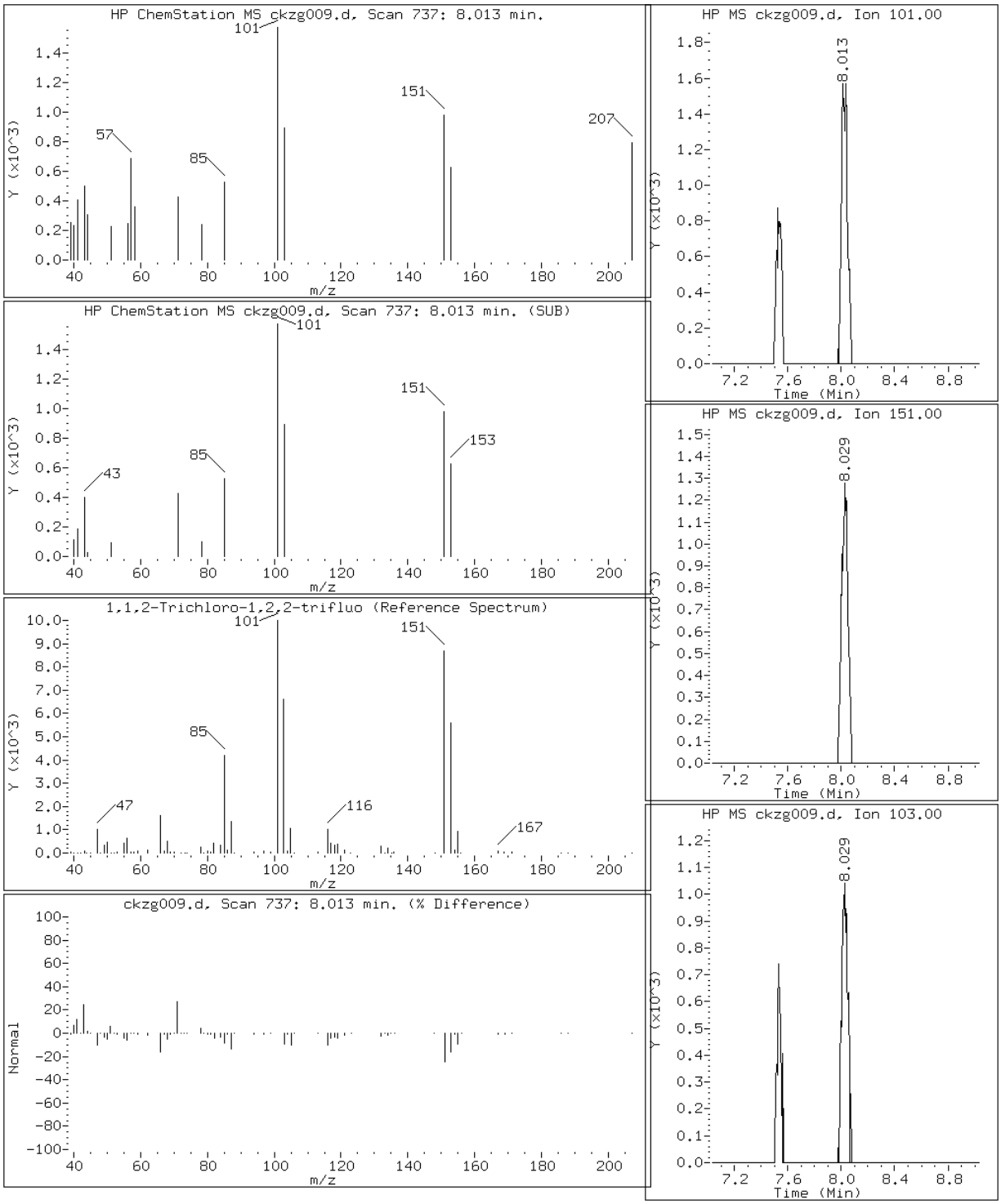
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



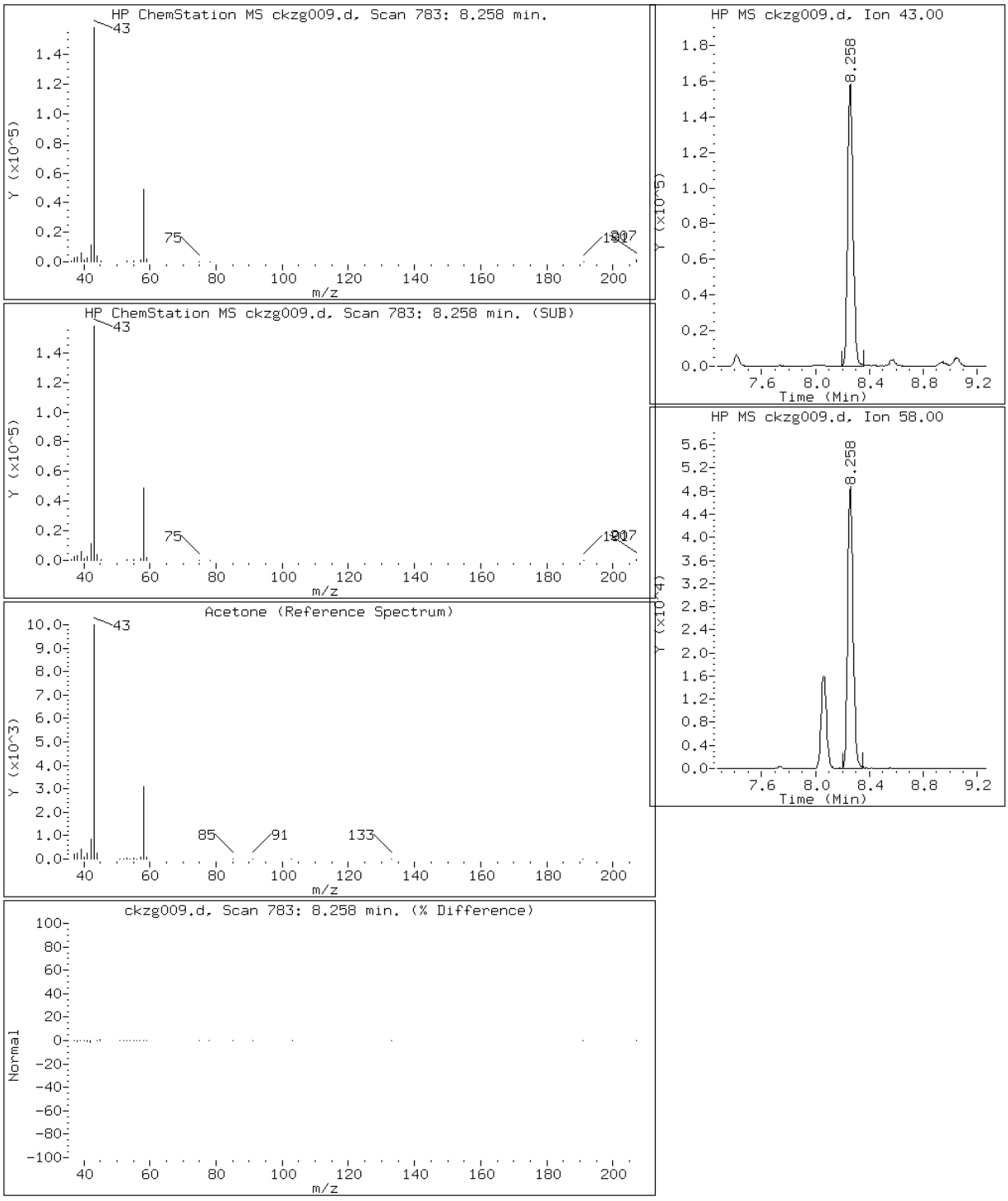
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

20 Acetone



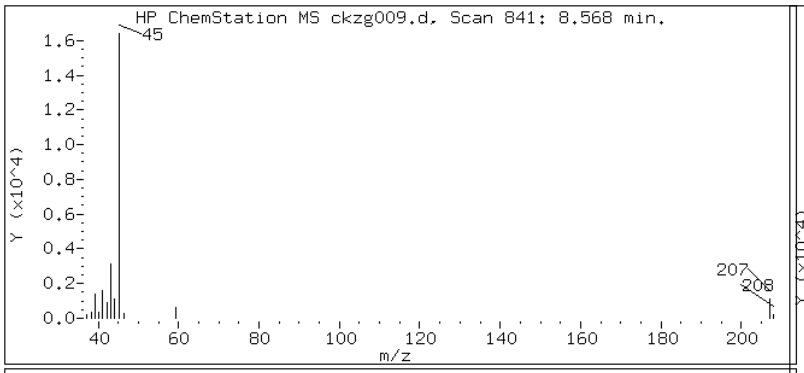
Data File: ckzg009.d

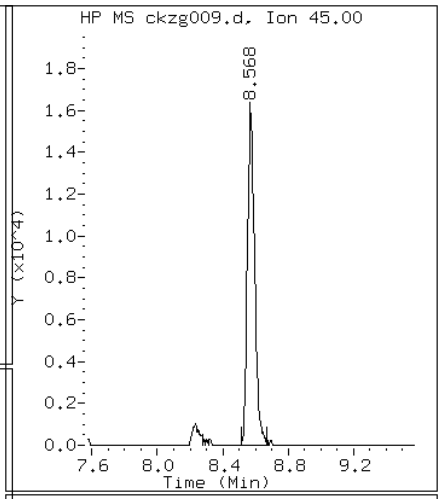
Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

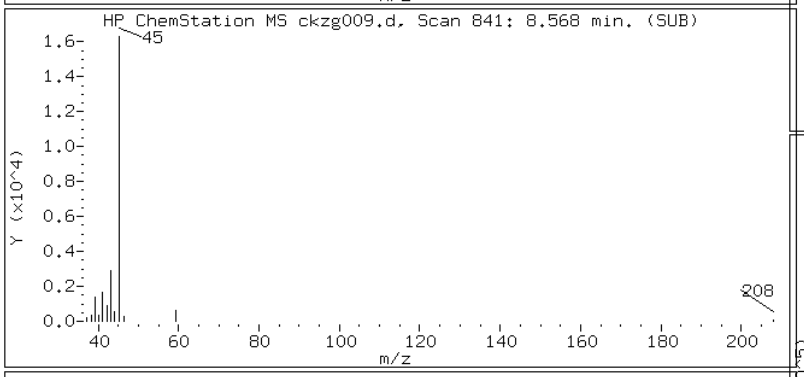
Client ID: 774VMP0301AG Instrument: C.i

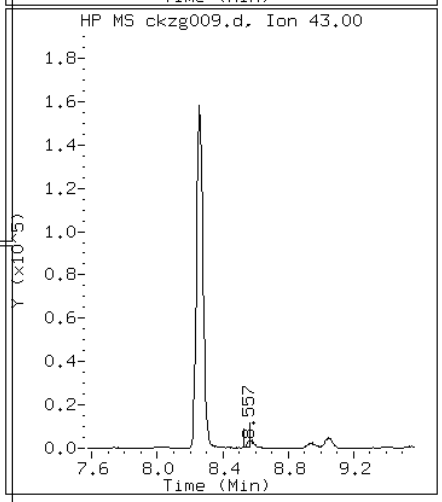
Sample Info: 280-32071-A-3 Operator: pad

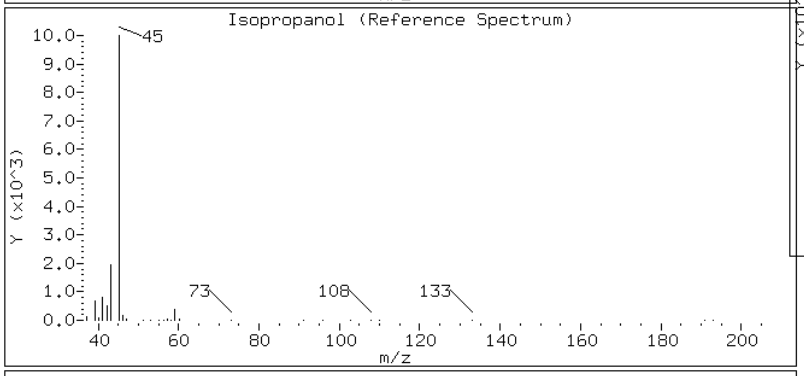
22 Isopropanol

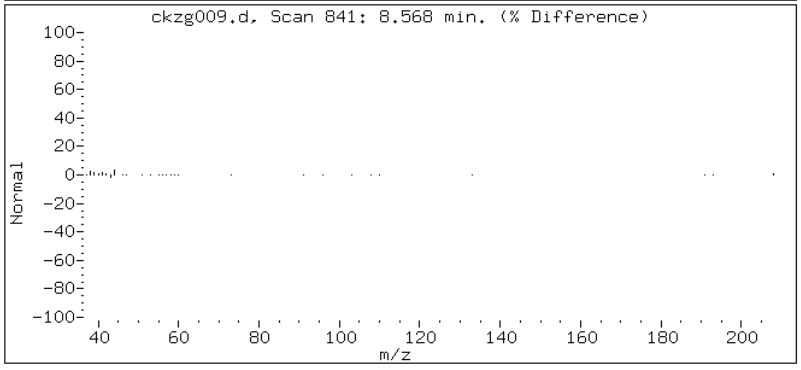












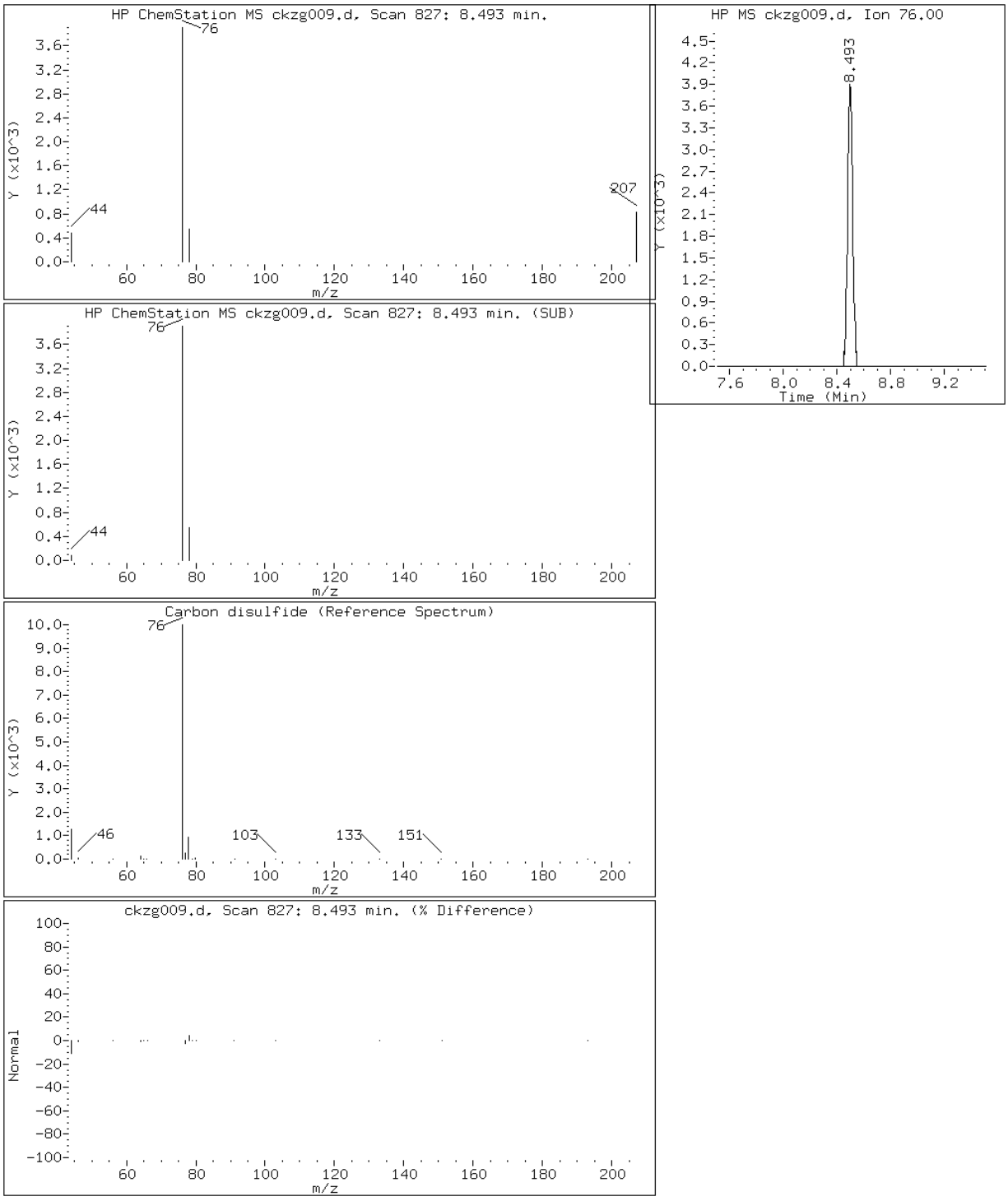
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

21 Carbon disulfide



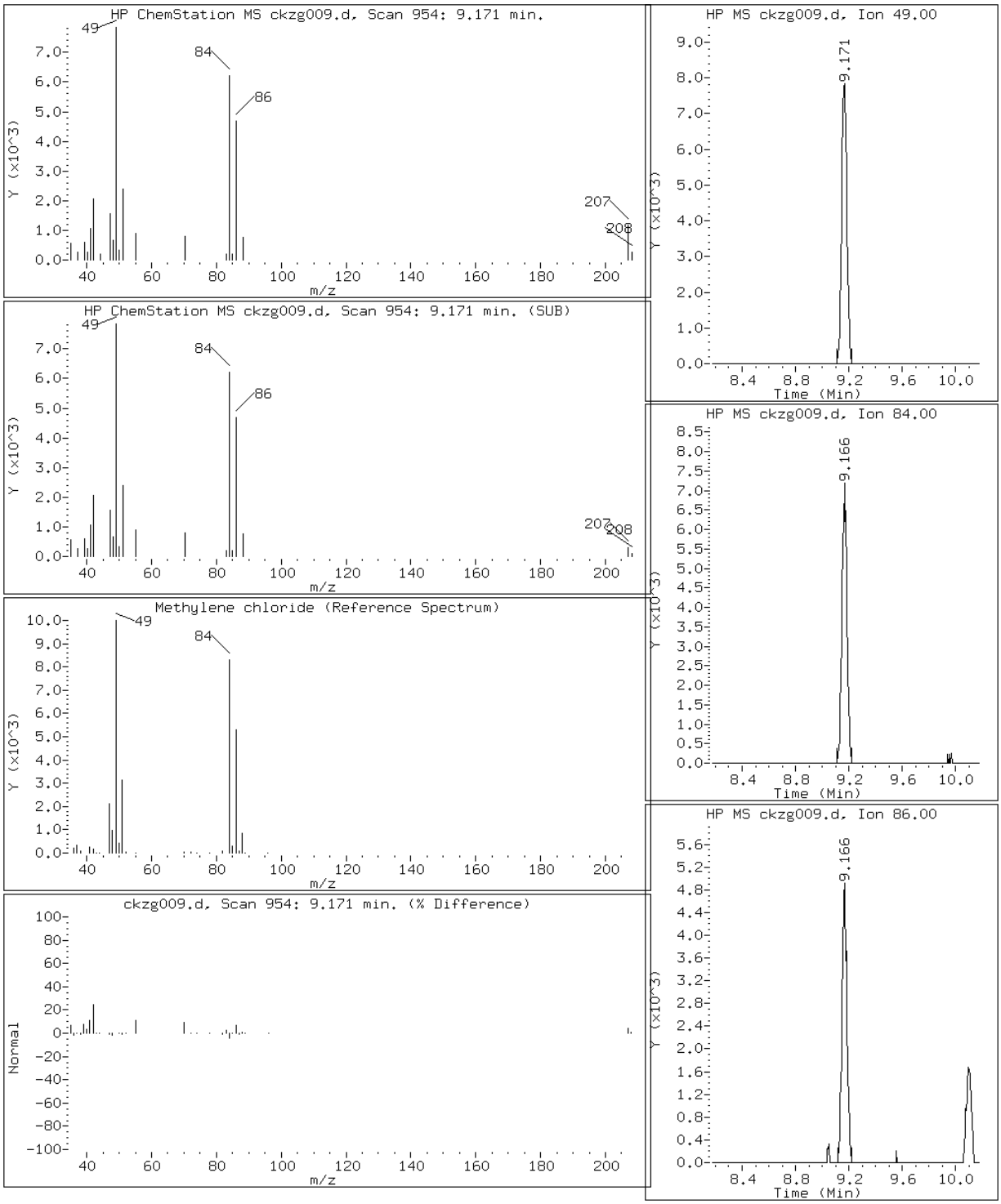
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

25 Methylene chloride



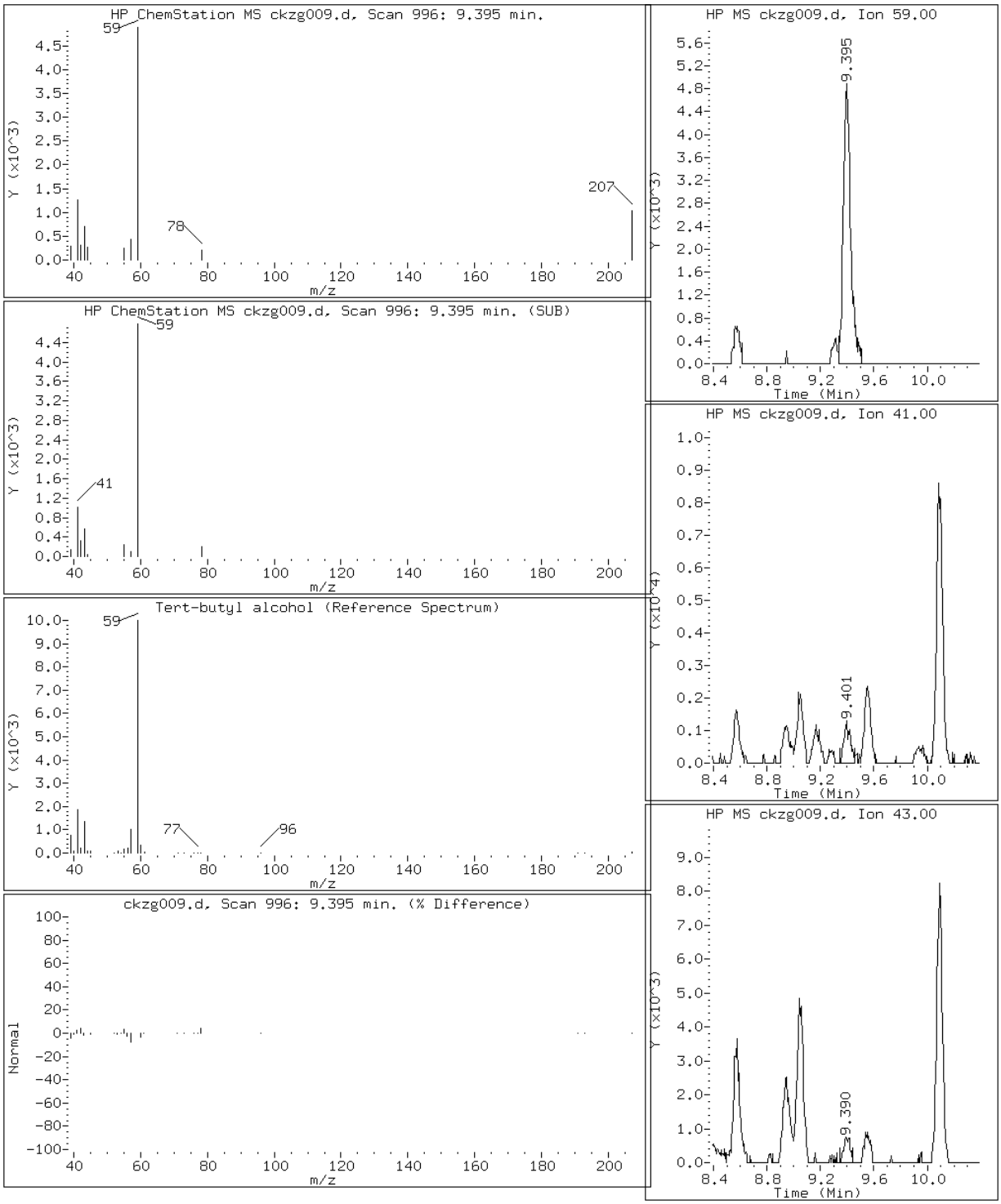
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

26 Tert-butyl alcohol



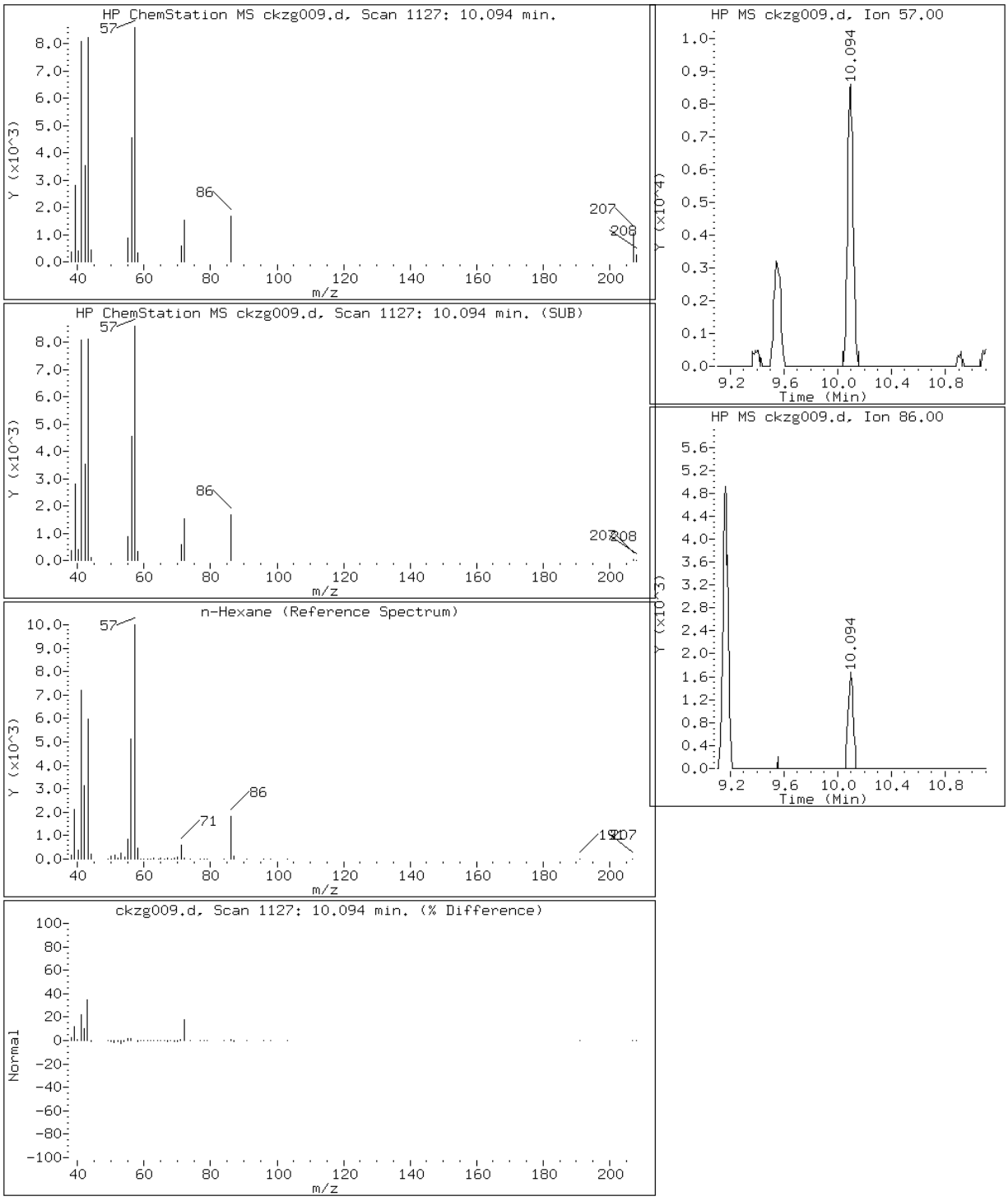
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

30 n-Hexane



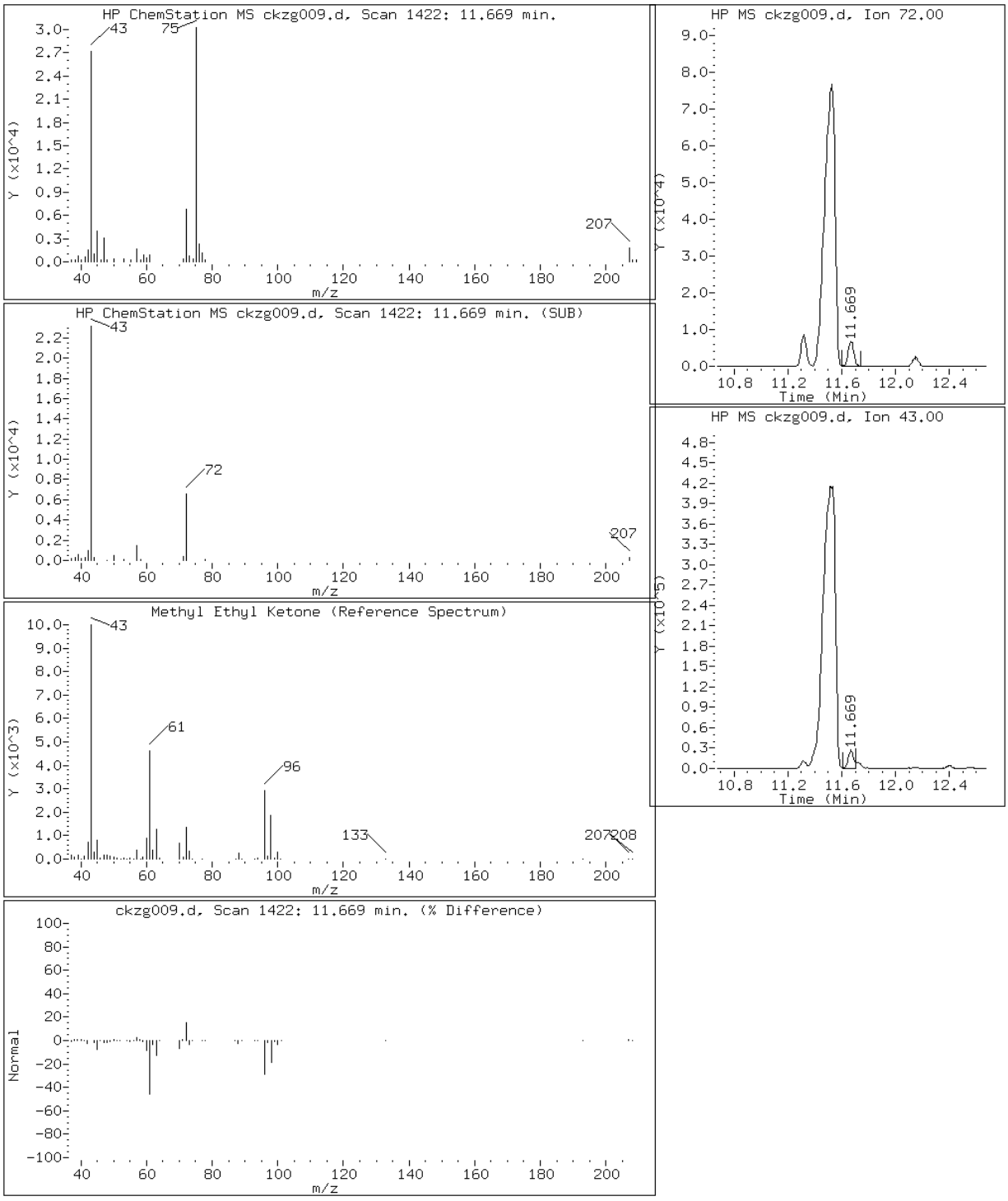
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

36 Methyl Ethyl Ketone



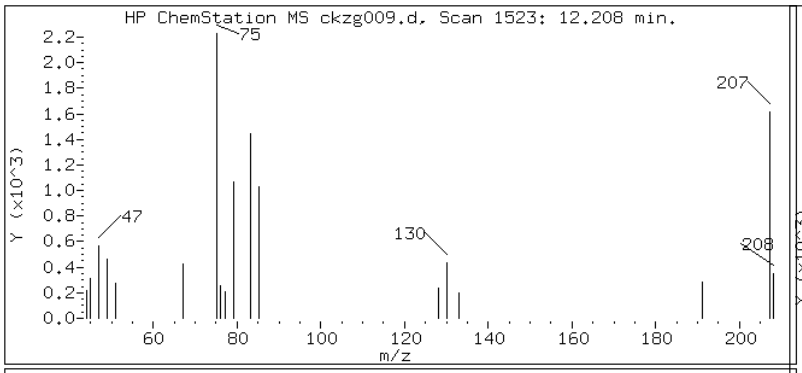
Data File: ckzg009.d

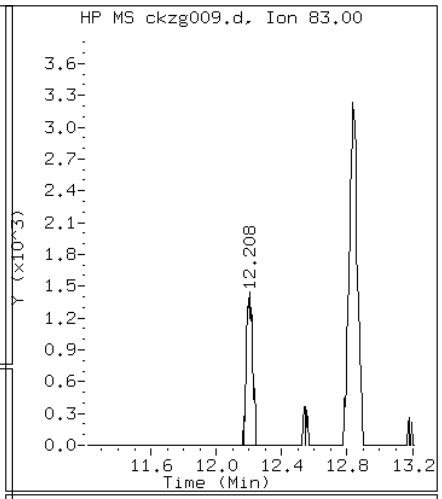
Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

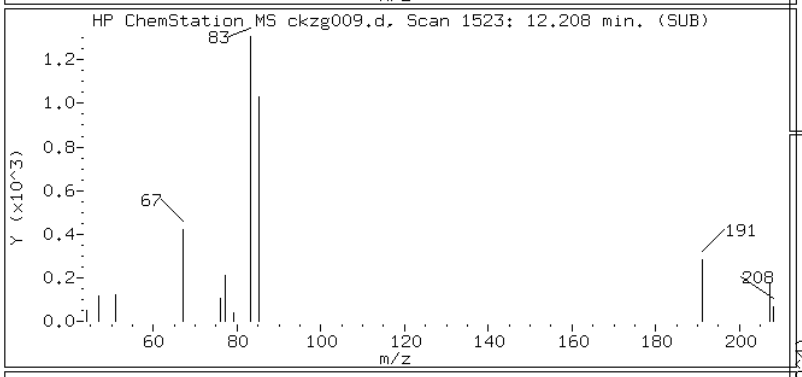
Client ID: 774VMP0301AG Instrument: C.i

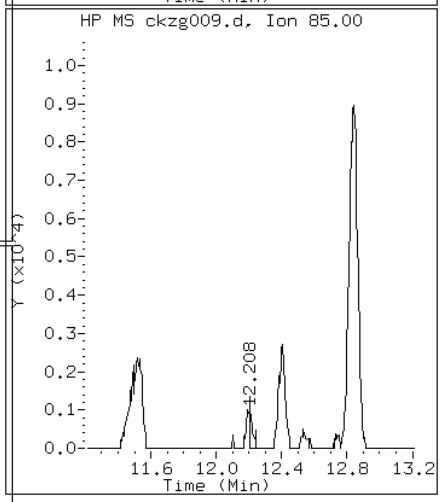
Sample Info: 280-32071-A-3 Operator: pad

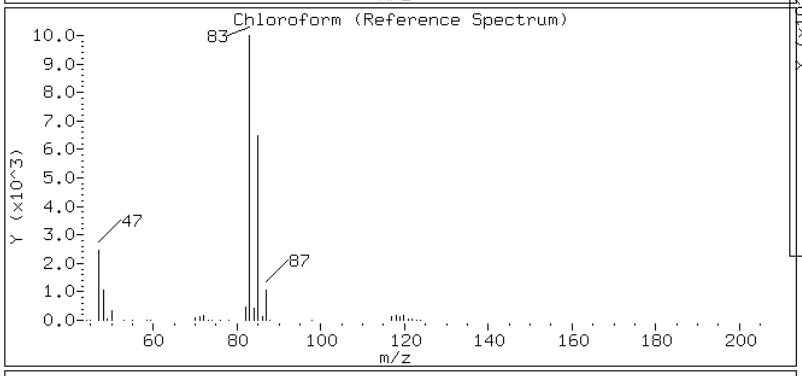
39 Chloroform

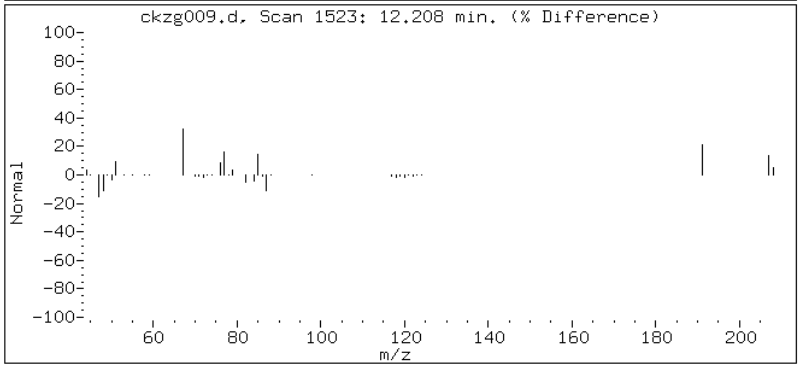












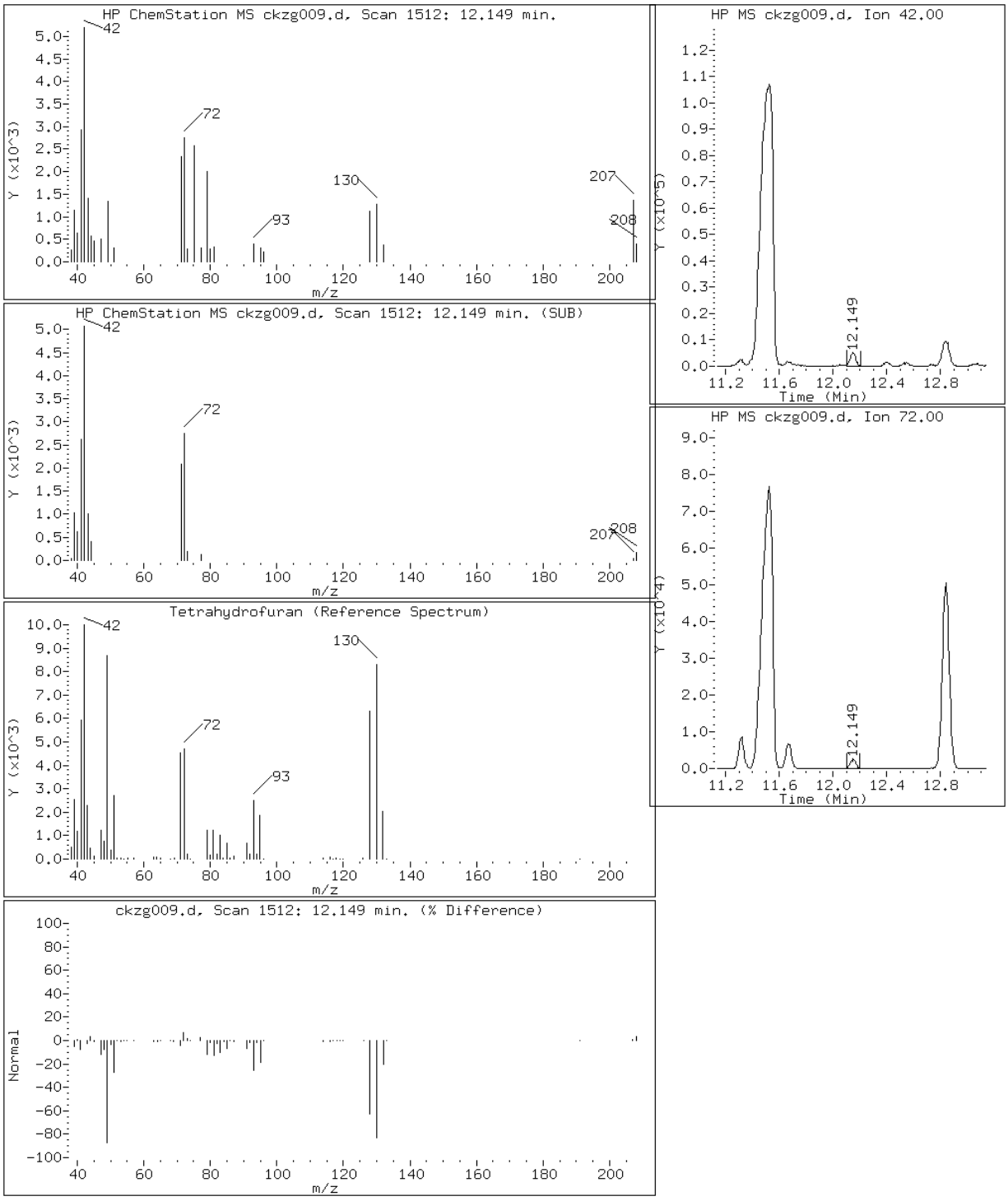
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

38 Tetrahydrofuran



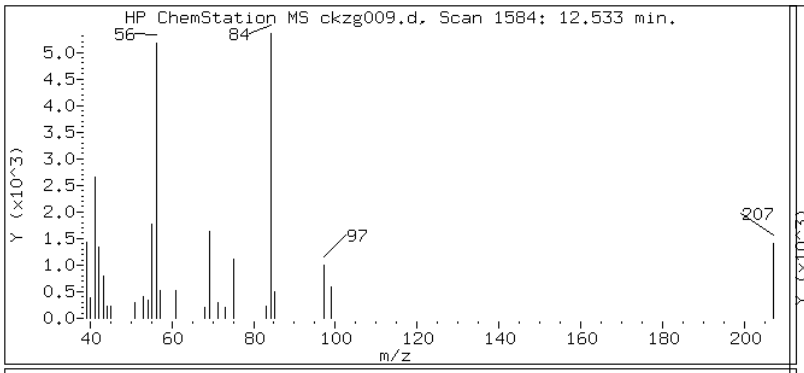
Data File: ckzg009.d

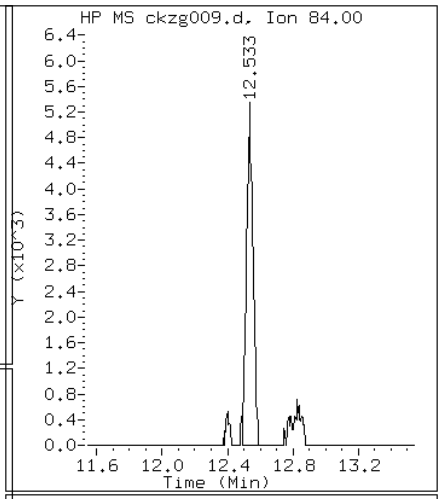
Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

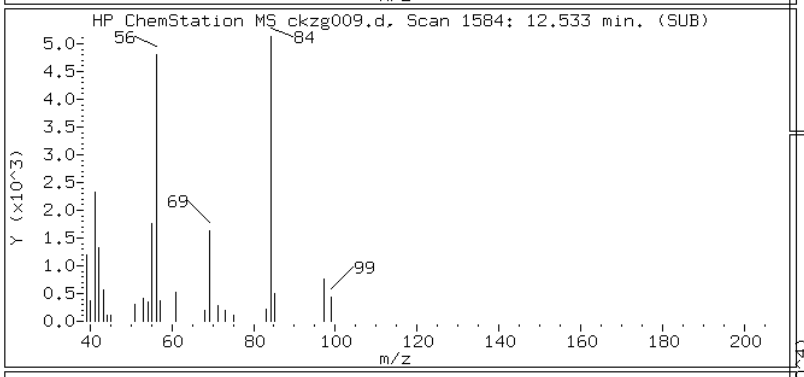
Client ID: 774VMP0301AG Instrument: C.i

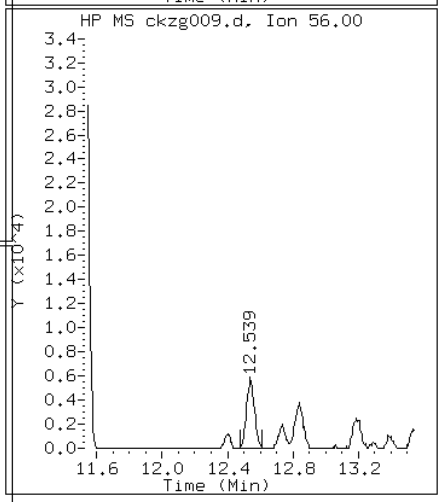
Sample Info: 280-32071-A-3 Operator: pad

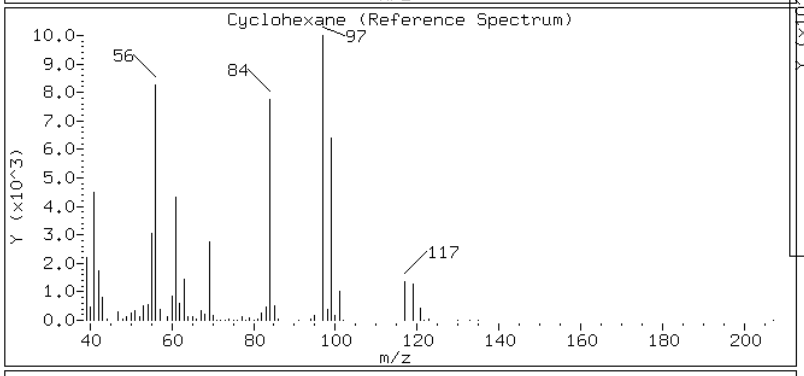
40 Cyclohexane

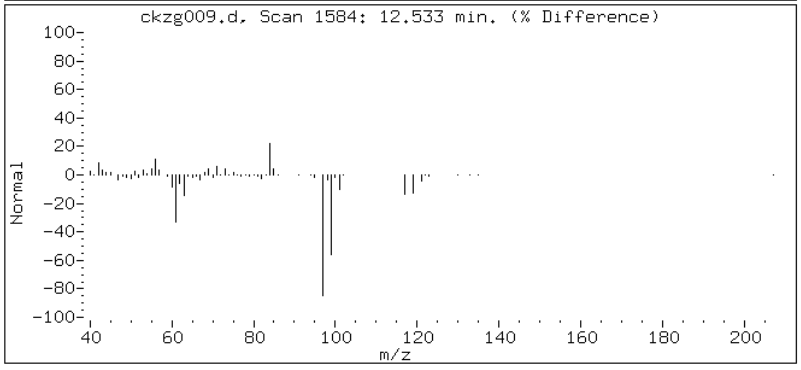












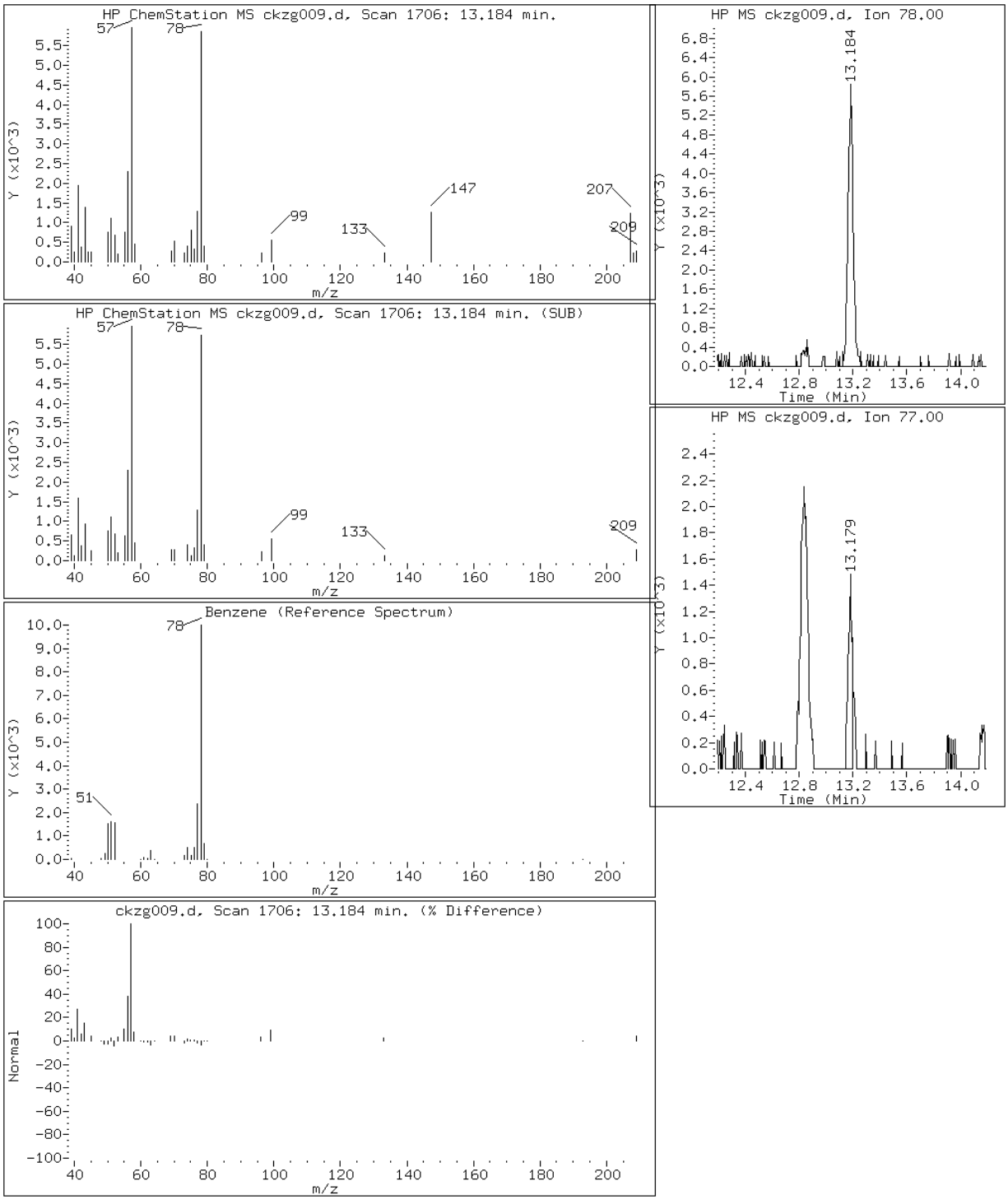
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

44 Benzene



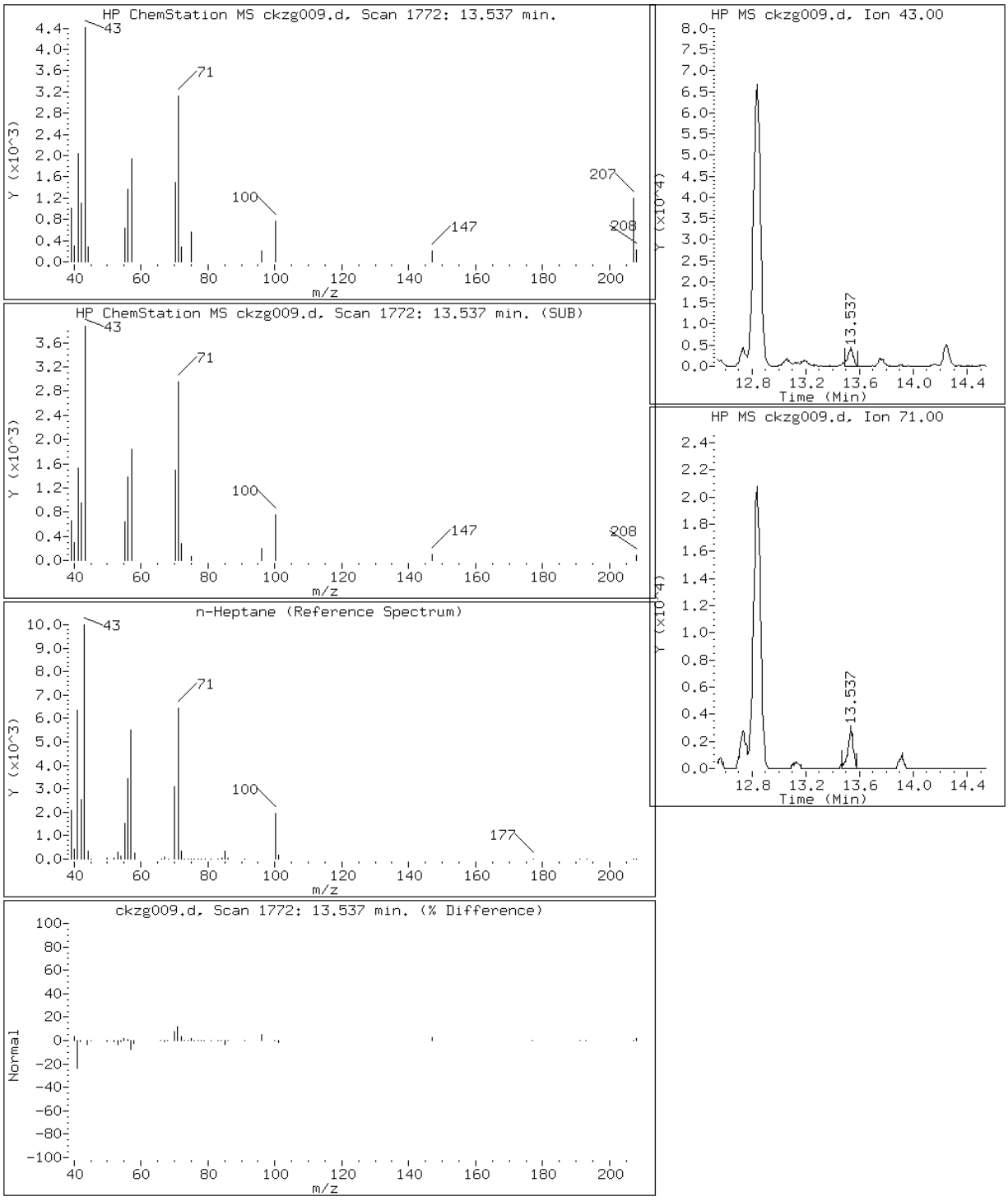
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

46 n-Heptane



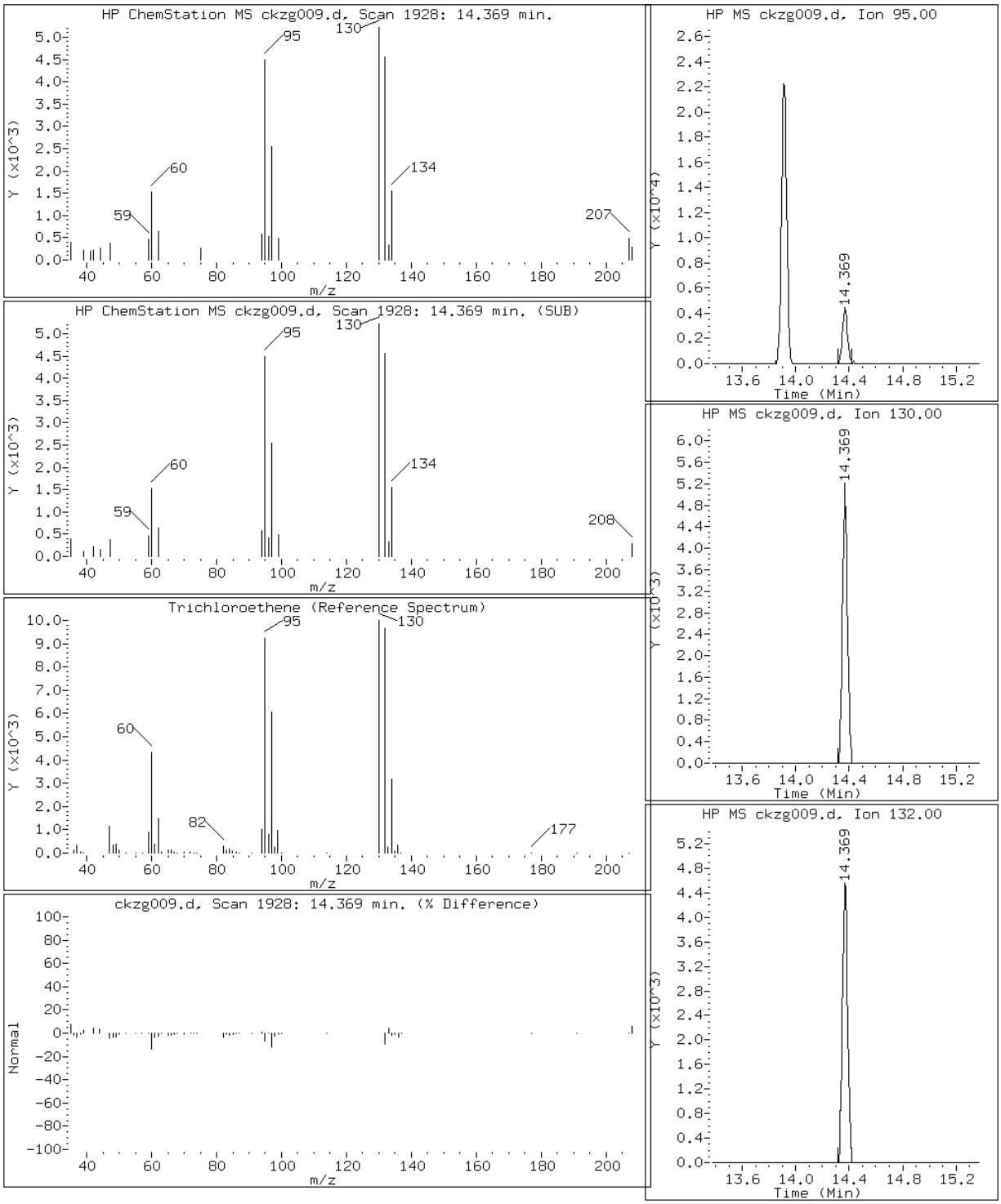
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

49 Trichloroethene



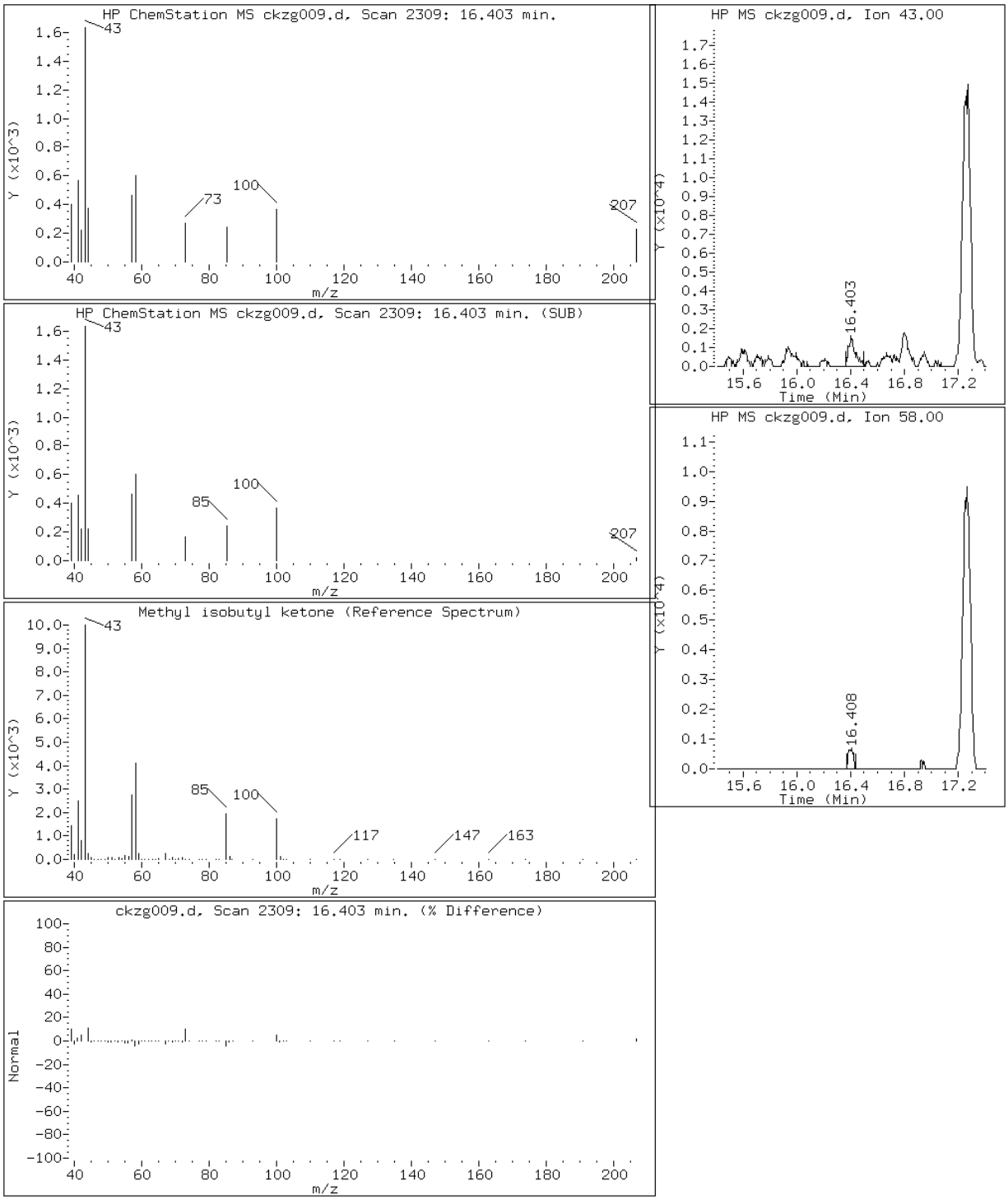
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

56 Methyl isobutyl ketone



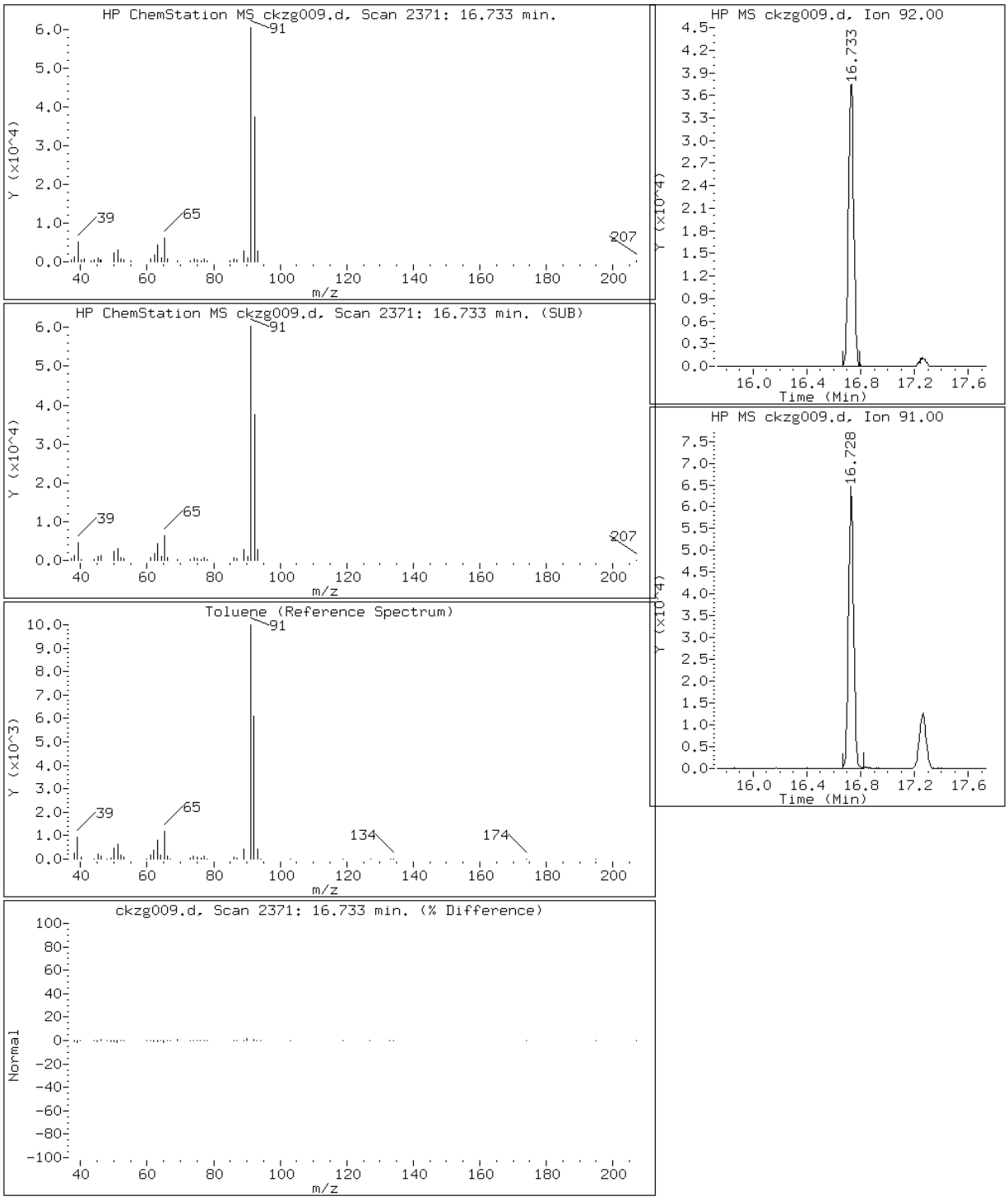
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

58 Toluene



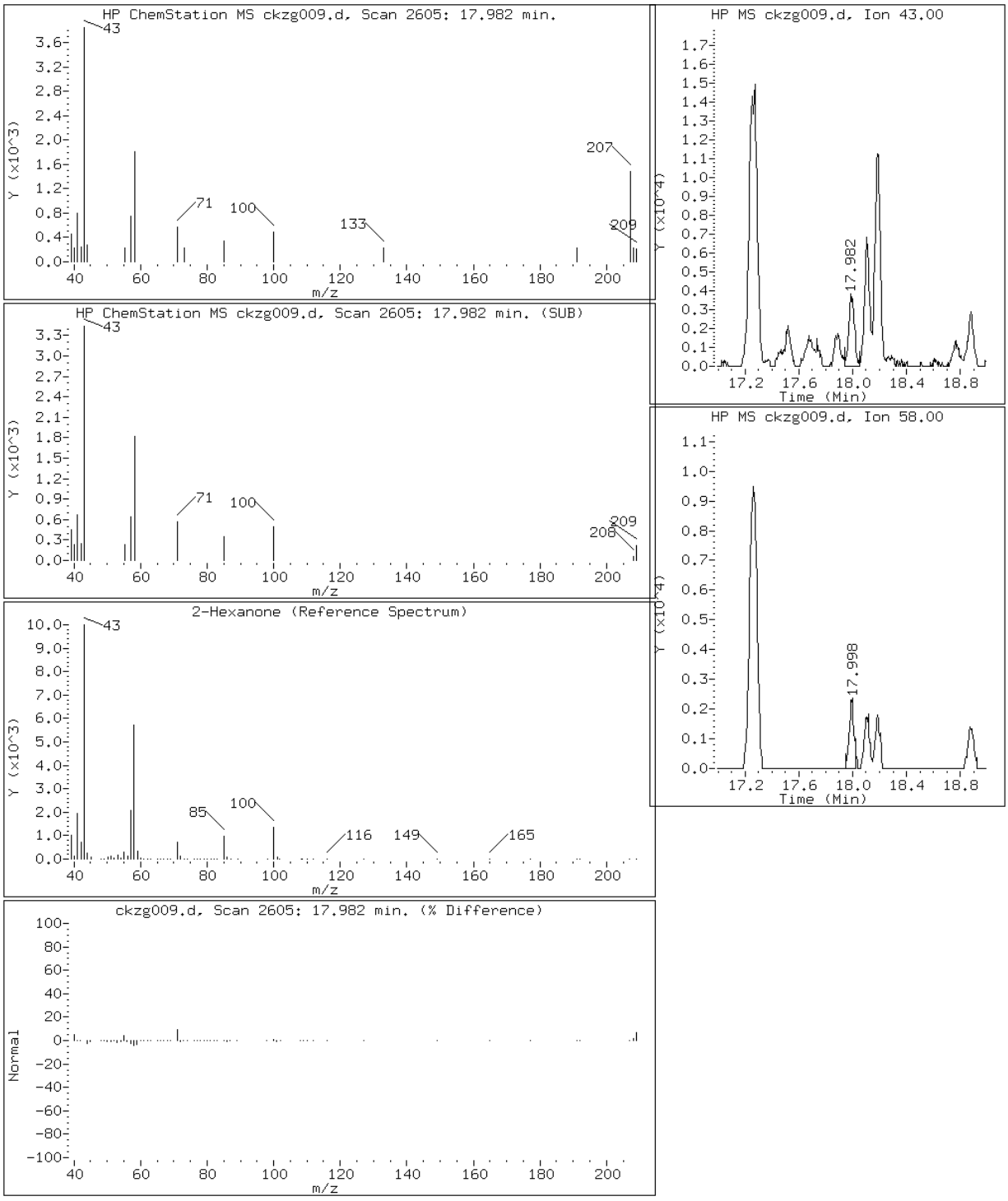
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

62 2-Hexanone



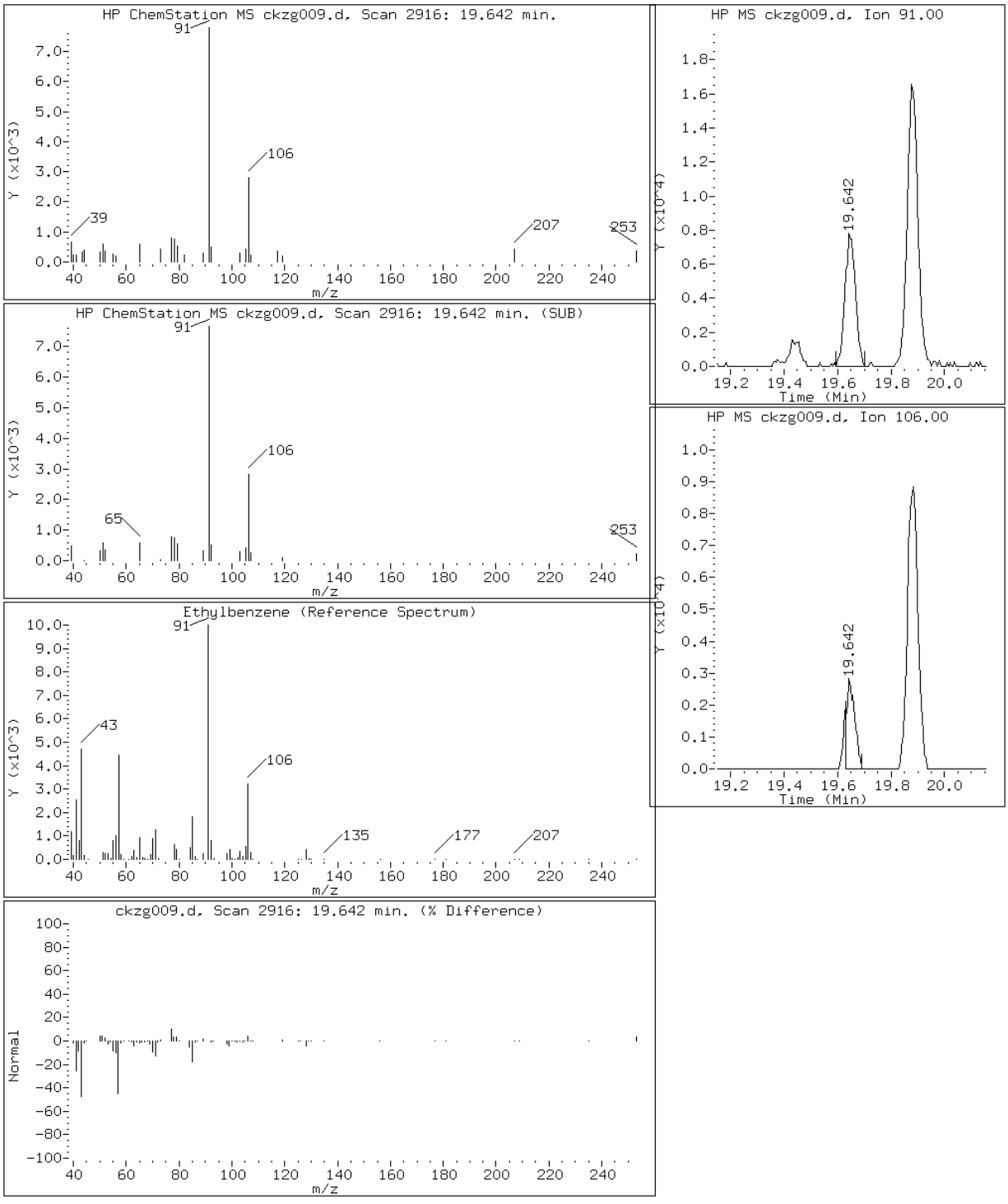
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

68 Ethylbenzene



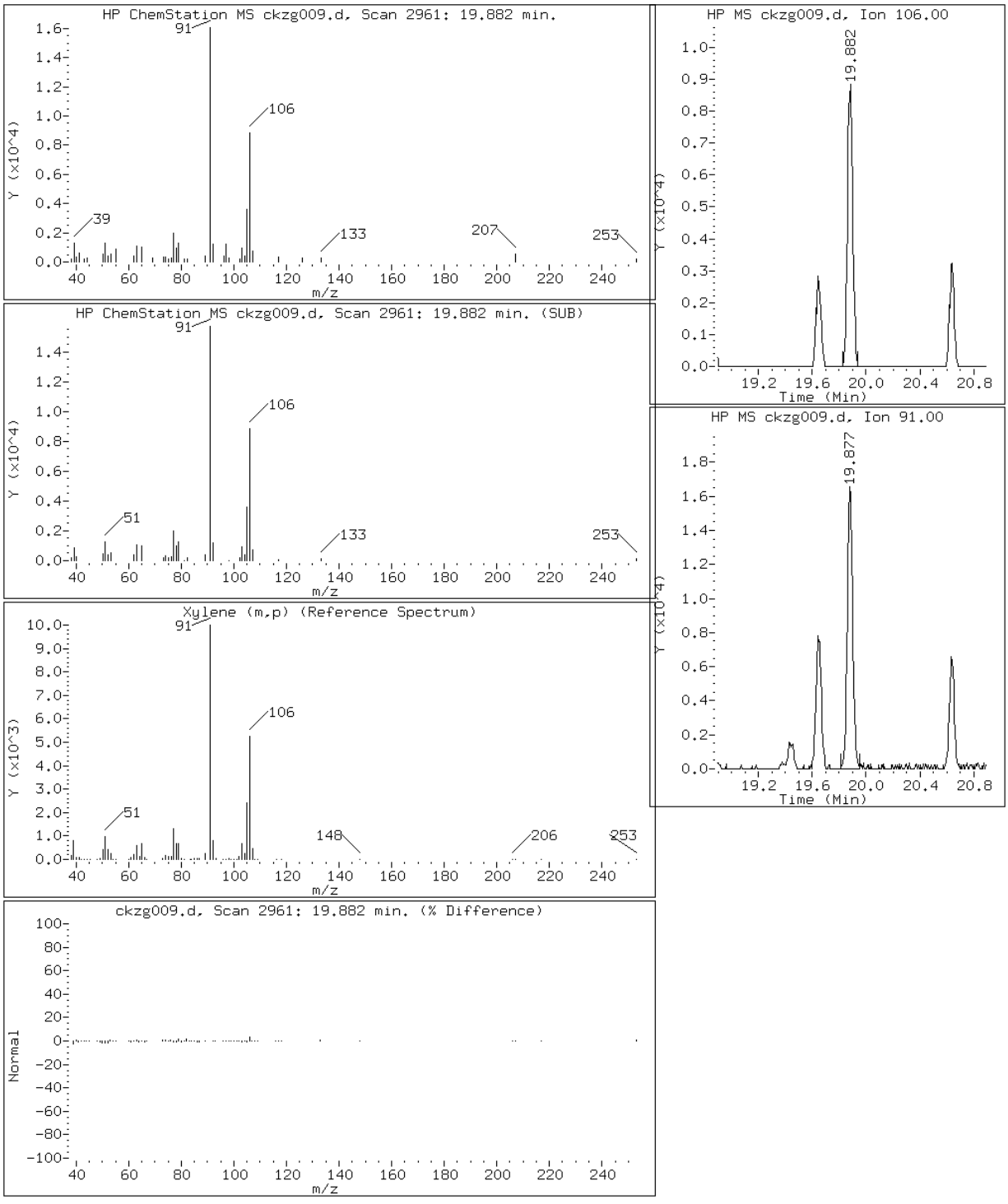
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

69 Xylene (m,p)



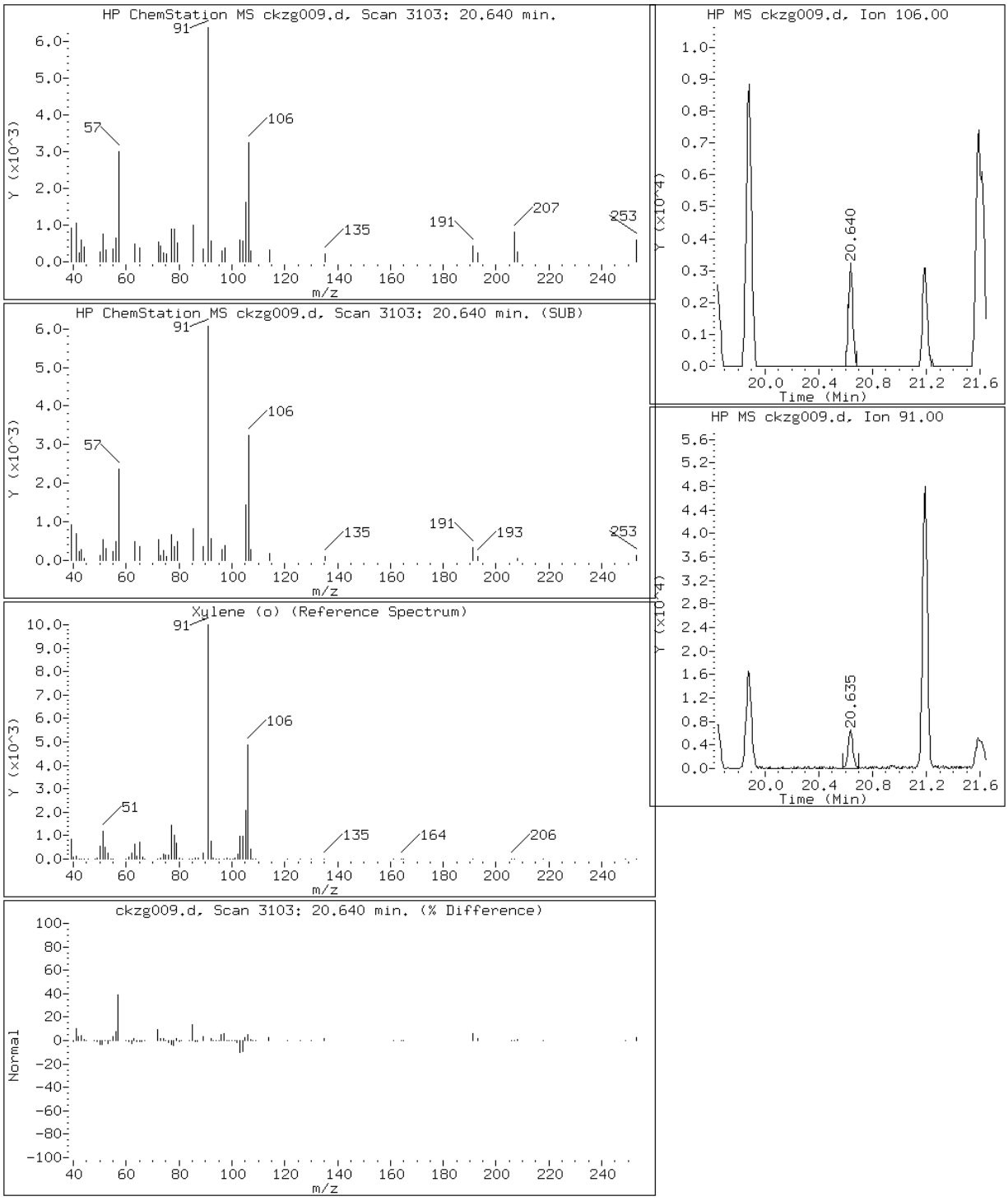
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

71 Xylene (o)



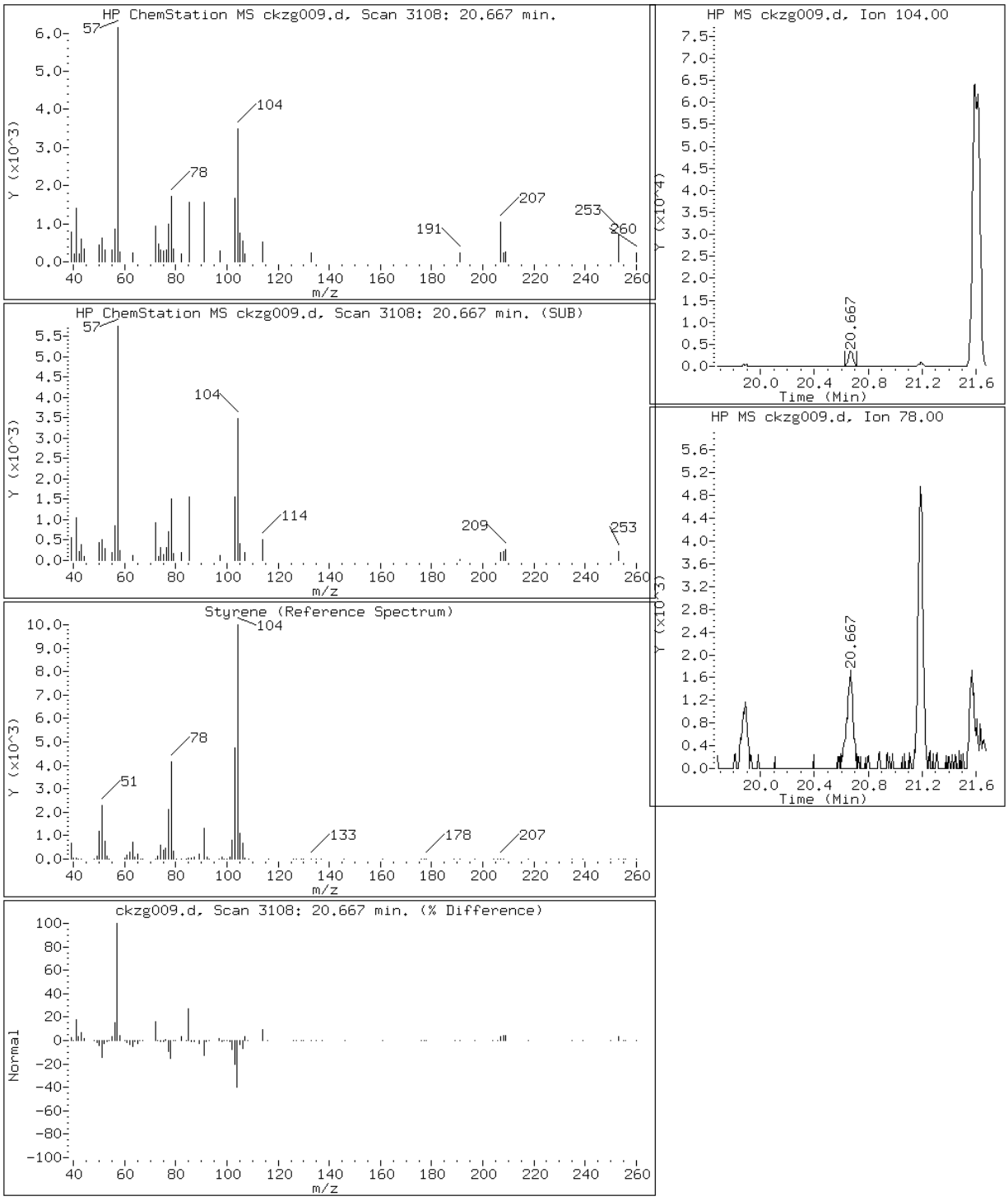
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

72 Styrene



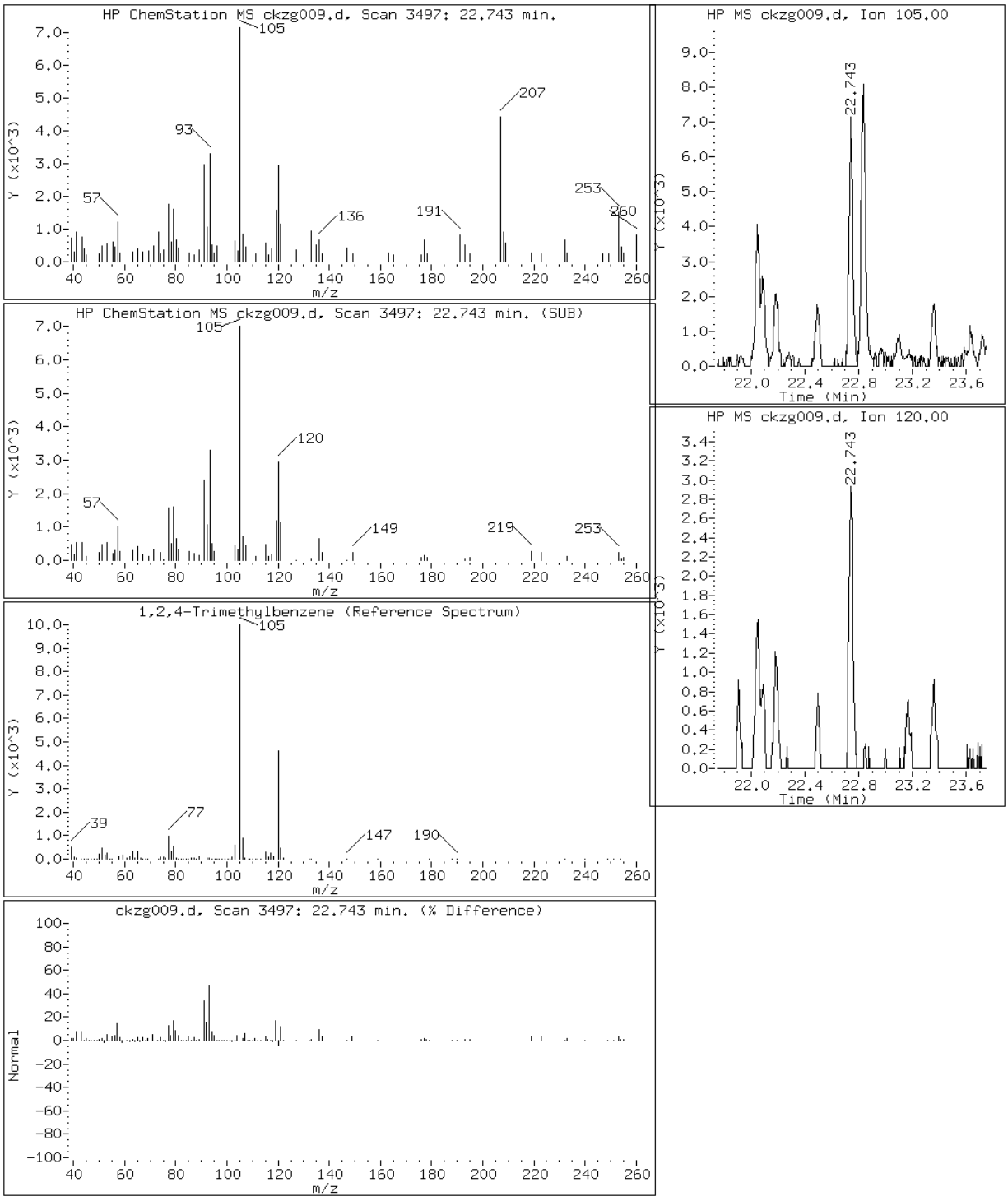
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

84 1,2,4-Trimethylbenzene



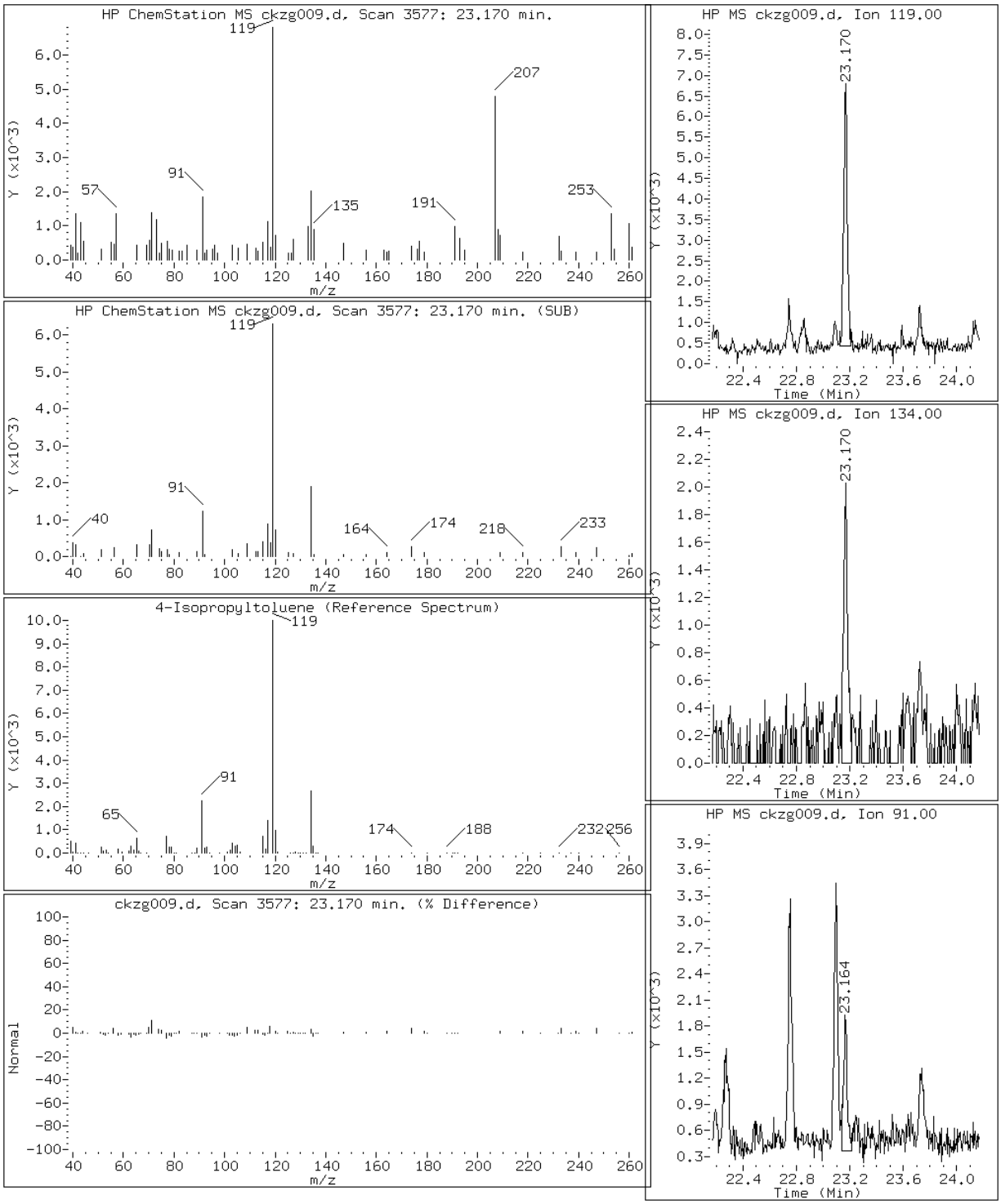
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

86 4-Isopropyltoluene



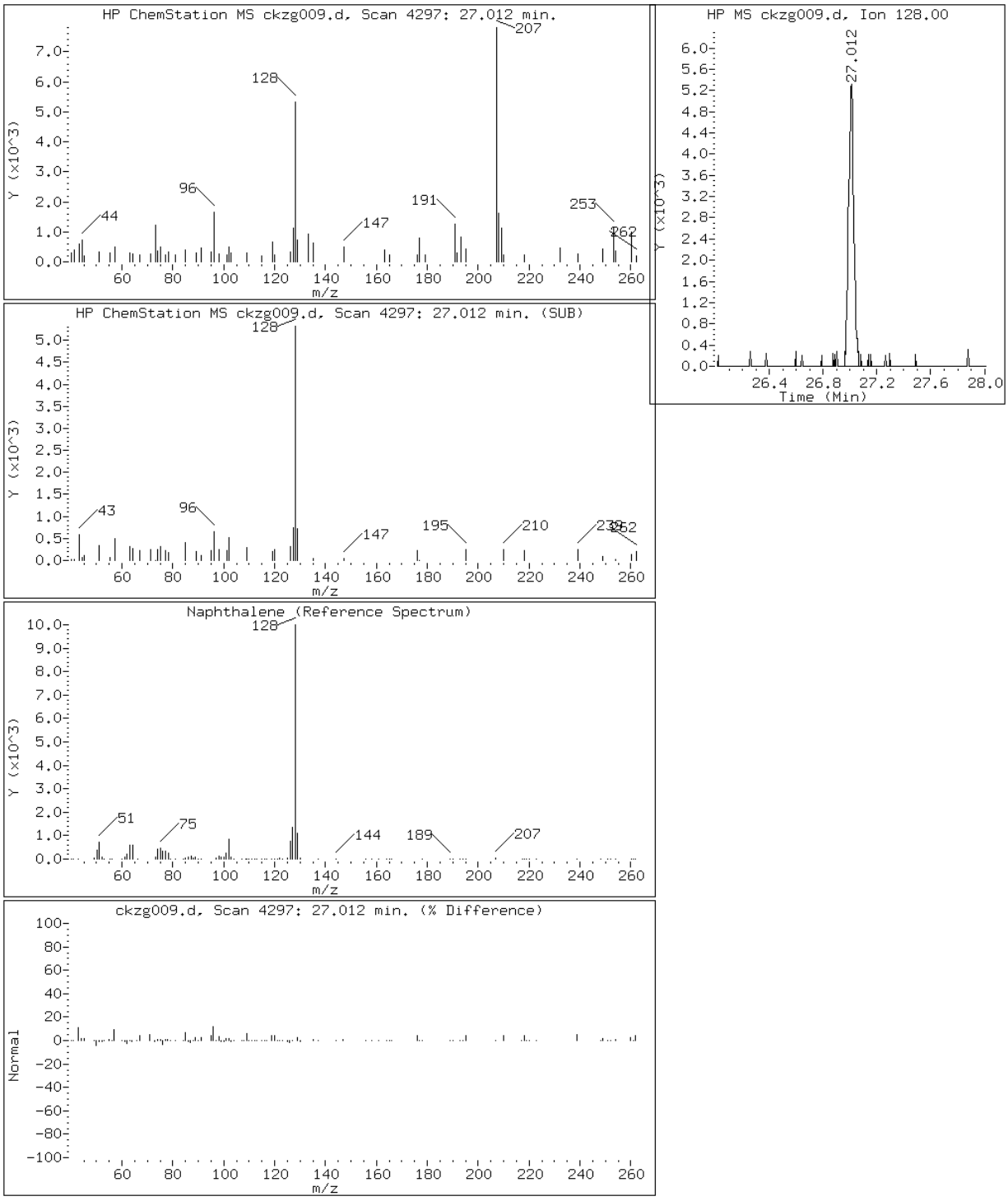
Data File: ckzg009.d

Lab Sample ID: 280-32071-3 Date: 22-AUG-2012 18:51

Client ID: 774VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-3 Operator: pad

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0101AG Lab Sample ID: 280-32071-4

Matrix: Air Lab File ID: ckzg010.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 19:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.51		0.50	0.020
75-45-6	Freon 22	86.47	3.8		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.61		0.50	0.034
106-97-8	n-Butane	58.12	1.2		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.084	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	24		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	19		5.0	0.076
75-15-0	Carbon disulfide	76.14	3.1		0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.15	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.65	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.080	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	4.3		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.24	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.84		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.13	J M	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.13	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.080	J	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0101AG Lab Sample ID: 280-32071-4

Matrix: Air Lab File ID: ckzg010.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 19:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.092	J	0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.75		0.50	0.034
108-88-3	Toluene	92.14	0.40		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.21		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.43	J	0.50	0.022
95-47-6	Xylene, o-	106.17	0.15	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.58		0.20	0.016
100-42-5	Styrene	104.15	0.24		0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.093	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.060	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0101AG Lab Sample ID: 280-32071-4

Matrix: Air Lab File ID: ckzg010.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 19:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.61	Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0101AG Lab Sample ID: 280-32071-4

Matrix: Air Lab File ID: ckzg010.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 19:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.099
75-45-6	Freon 22	86.47	13		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.3		1.0	0.070
106-97-8	n-Butane	58.12	2.8		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.12
76-13-1	Freon TF	187.38	0.65	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	57		12	0.95
67-63-0	Isopropyl alcohol	60.10	46		12	0.19
75-15-0	Carbon disulfide	76.14	9.5		1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.52	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	2.0	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.28	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	13		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.72	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	2.9		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.83	J M	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.43	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.32	J	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0101AG Lab Sample ID: 280-32071-4

Matrix: Air Lab File ID: ckzg010.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 19:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.38	J	0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	3.1		2.0	0.14
108-88-3	Toluene	92.14	1.5		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.4	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.92		0.87	0.065
179601-23-1	m,p-Xylene	106.17	1.8	J	2.2	0.096
95-47-6	Xylene, o-	106.17	0.65	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.5		0.87	0.069
100-42-5	Styrene	104.15	1.0		0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.46	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.33	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0101AG Lab Sample ID: 280-32071-4

Matrix: Air Lab File ID: ckzg010.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 19:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	3.2	Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-4
Client Smp ID: 776VMP0101AG
Inj Date : 22-AUG-2012 19:44
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-4
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	48967	0.50993	0.51
3 Chlorodifluoromethane	51	4.346	4.363	(0.360)	183168	3.78506	3.8
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.795	4.811	(0.397)	16348	0.61048	0.61
6 Butane	43	5.062	5.078	(0.419)	55093	1.16315	1.2
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.849	6.860	(0.567)	23865	0.23565	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.665)	5969	0.08429	0.084(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.253	8.269	(0.683)	925799	24.0405	24

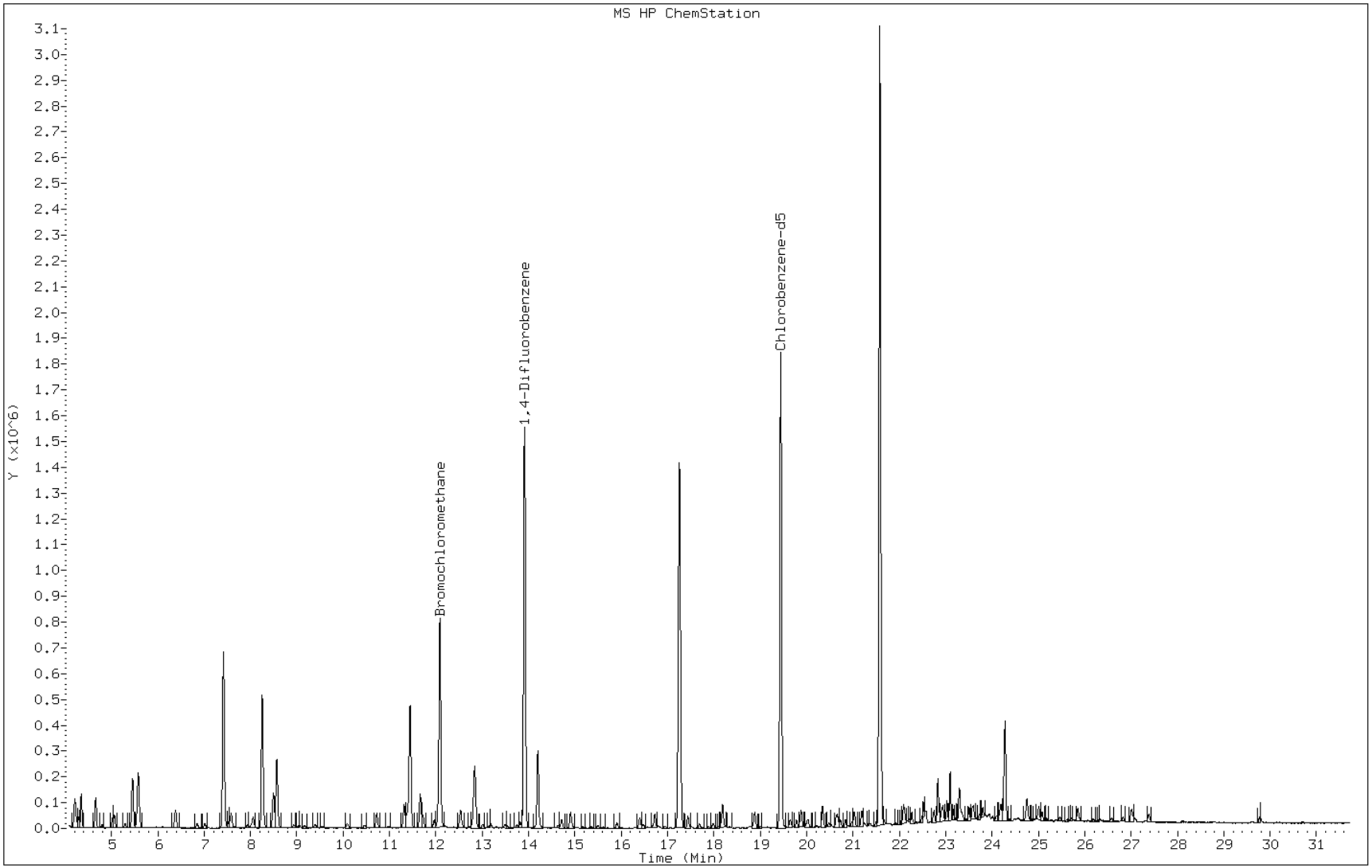
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
21	Carbon disulfide	76	8.493	8.509	(0.703)	285806	3.06159	3.1
22	Isopropanol	45	8.568	8.573	(0.709)	506939	18.7363	19
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	9.166	9.177	(0.758)	4941	0.15041	0.15(aQ)
26	Tert-butyl alcohol	59	9.395	9.390	(0.777)	26873	0.65298	0.65(a)
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	11.663	11.674	(0.965)	63312	4.32682	4.3(Q)
* 37	Bromochloromethane	128	12.085	12.096	(1.000)	349738	10.0000	
38	Tetrahydrofuran	42	12.133	12.139	(0.872)	7569	0.24497	0.24(a)
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	12.539	12.544	(0.901)	46357	0.84088	0.84
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	12.773	12.784	(0.918)	12536	0.13235	0.13(aQM)
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	13.179	13.190	(0.947)	15678	0.13469	0.13(a)
45	1,2-Dichloroethane	62	13.302	13.318	(0.956)	4192	0.08006	0.080(a)
46	n-Heptane	43	13.537	13.542	(0.973)	5685	0.09176	0.092(a)
* 47	1,4-Difluorobenzene	114	13.910	13.921	(1.000)	1965422	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	16.403	16.408	(1.179)	41454	0.75428	0.75
58	Toluene	92	16.728	16.734	(0.860)	35254	0.40494	0.40
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
62	2-Hexanone	43	17.982	17.993	(0.925)	16955	0.33434	0.33(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.445	19.450	(1.000)	1815994	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	19.642	19.653	(1.010)	38762	0.21167	0.21
69	Xylene (m,p)	106	19.882	19.893	(1.022)	32460	0.42548	0.43(a)
M 70	Xylenes, Total	106				43565	0.57583	0.58
71	Xylene (o)	106	20.635	20.646	(1.061)	11105	0.15035	0.15(a)
72	Styrene	104	20.672	20.678	(1.063)	25561	0.24472	0.24
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	16076	0.09315	0.093(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.164	23.170	(1.191)	12926	0.06040	0.060(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	61031	0.60820	0.61

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg010.d	Date:	22-AUG-2012 19:44
Client ID:	776VMP0101AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-4		
Lab Sample ID:	280-32071-4		



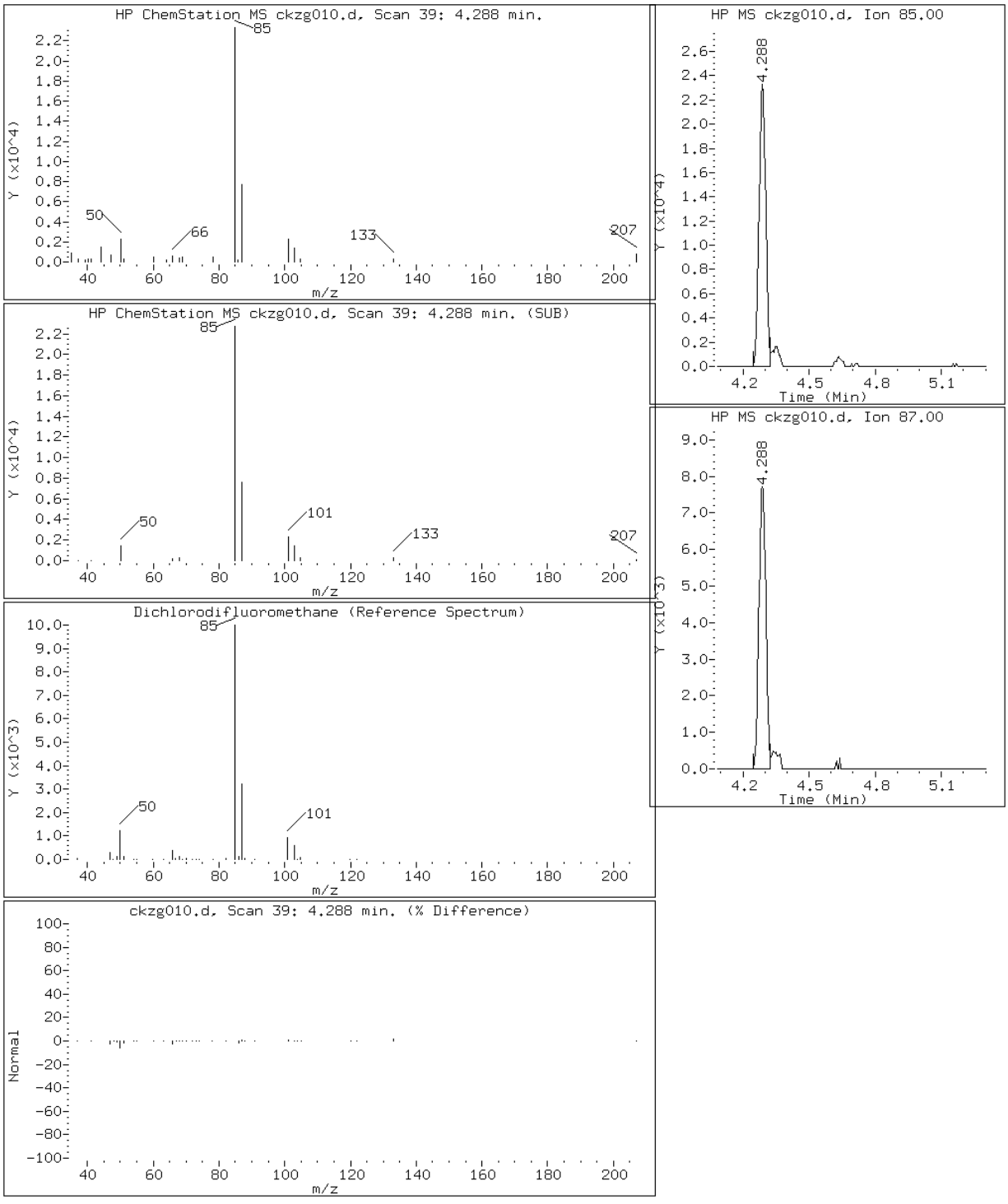
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

2 Dichlorodifluoromethane



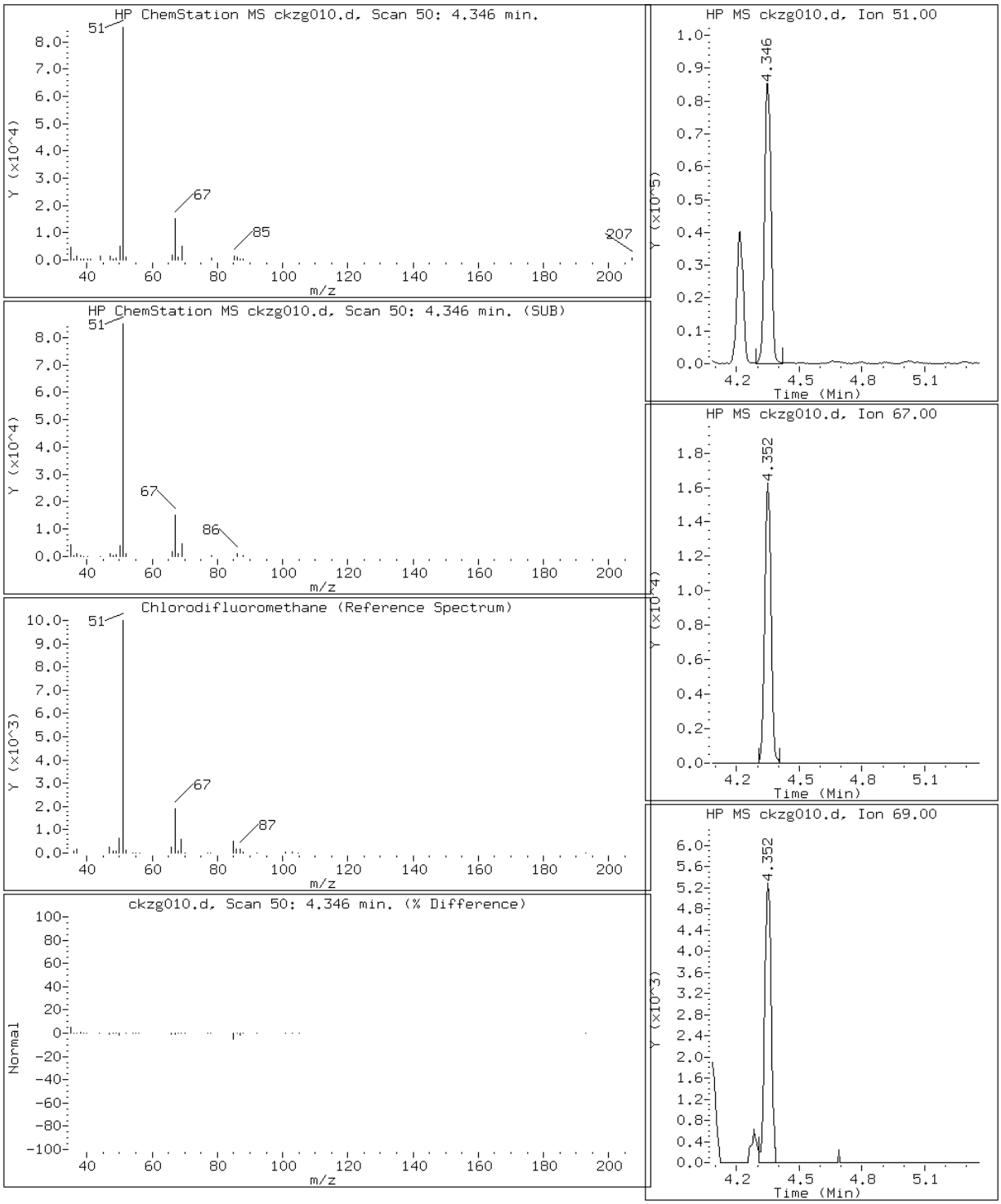
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

3 Chlorodifluoromethane



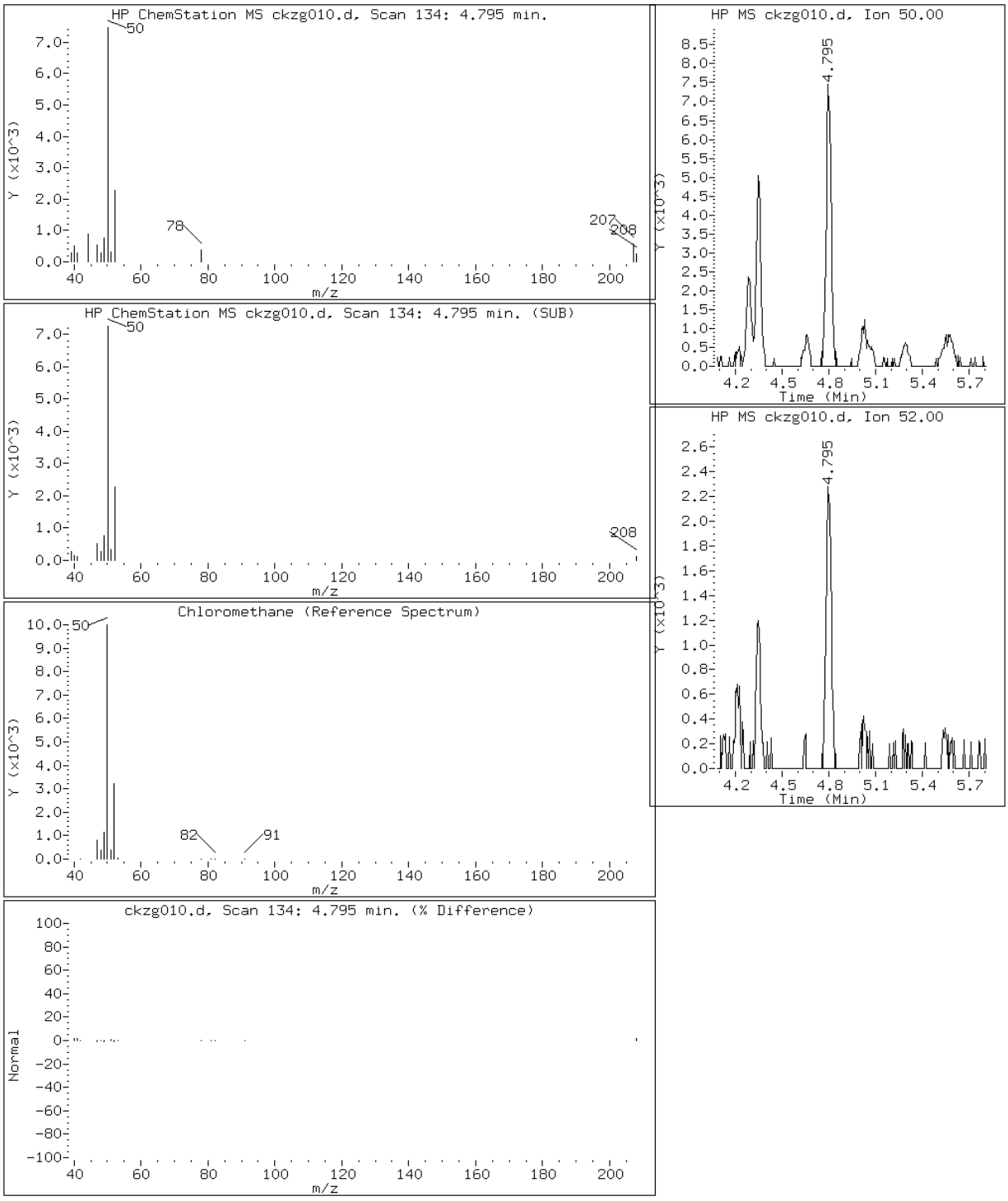
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

5 Chloromethane



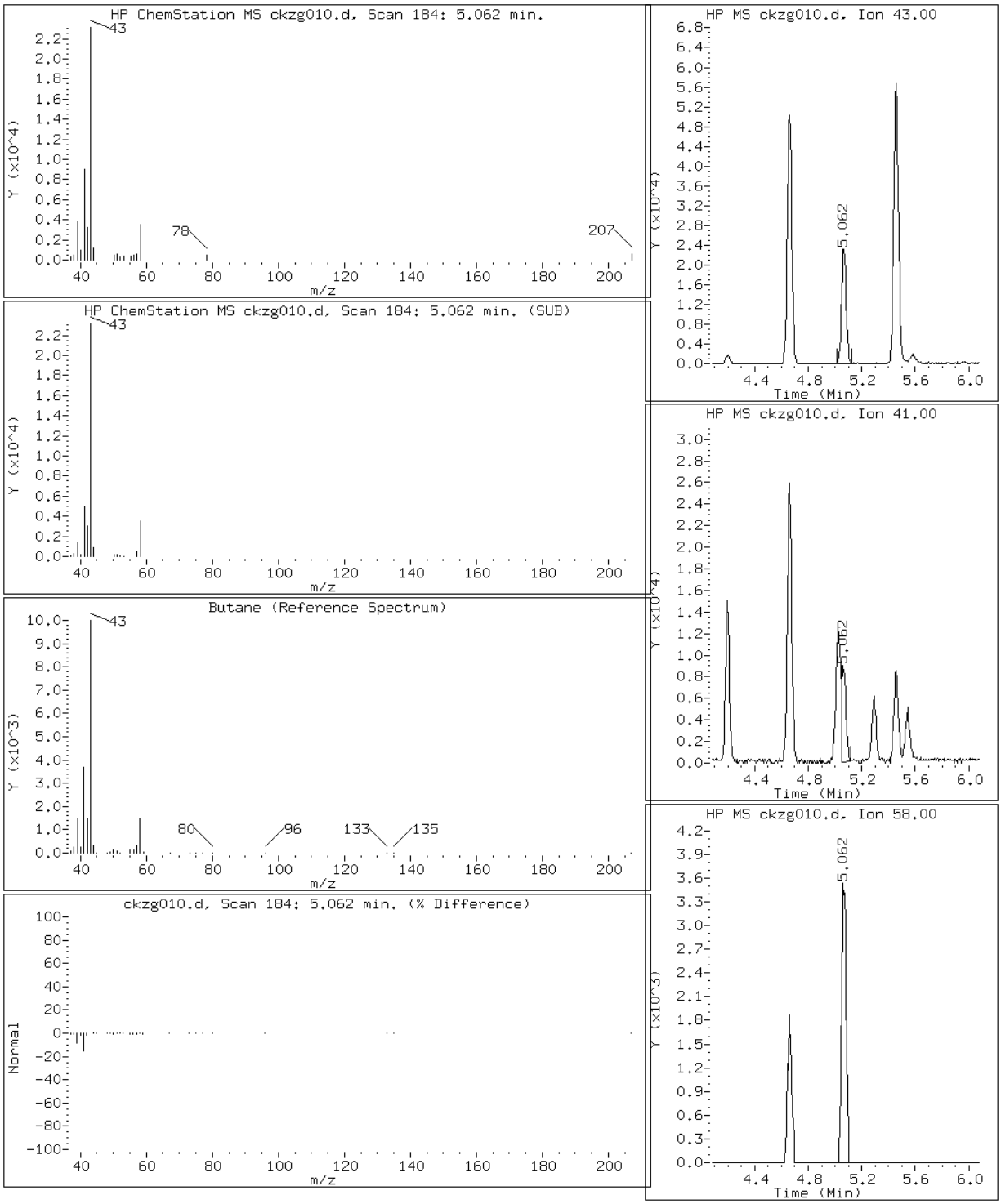
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

6 Butane



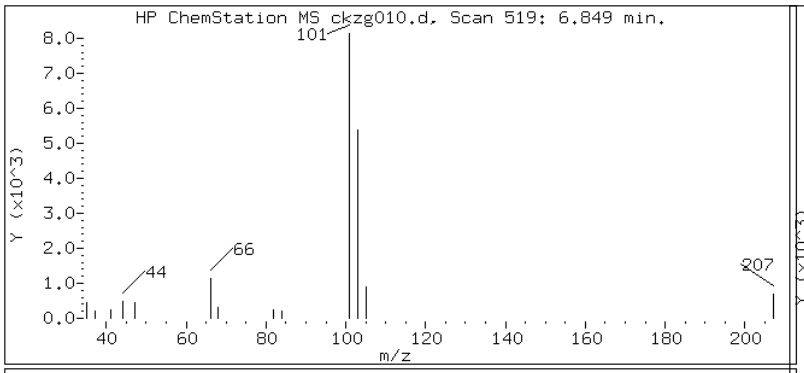
Data File: ckzg010.d

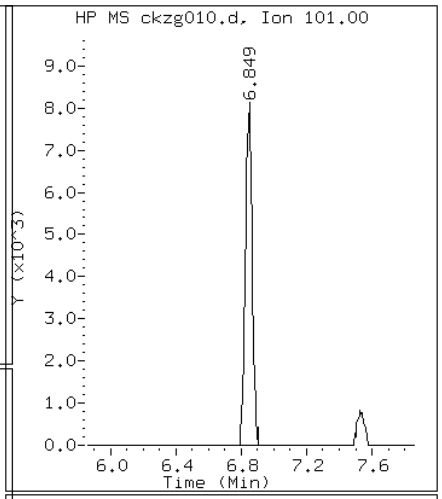
Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

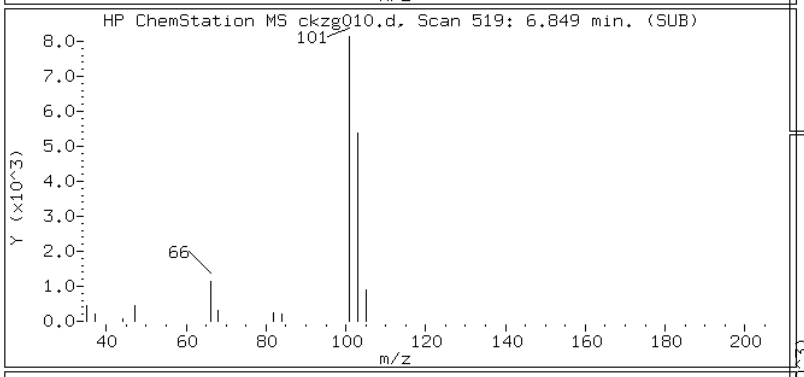
Client ID: 776VMP0101AG Instrument: C.i

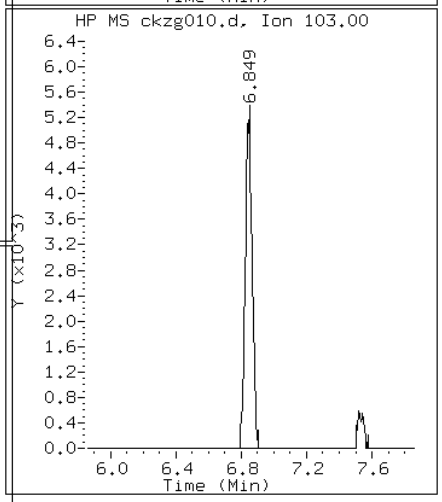
Sample Info: 280-32071-A-4 Operator: pad

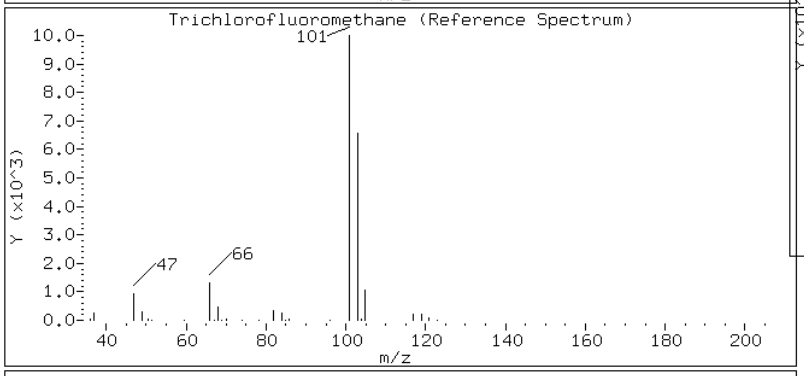
13 Trichlorofluoromethane

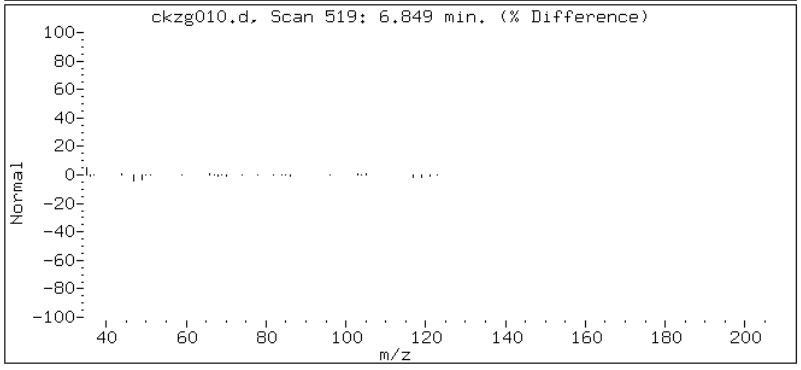












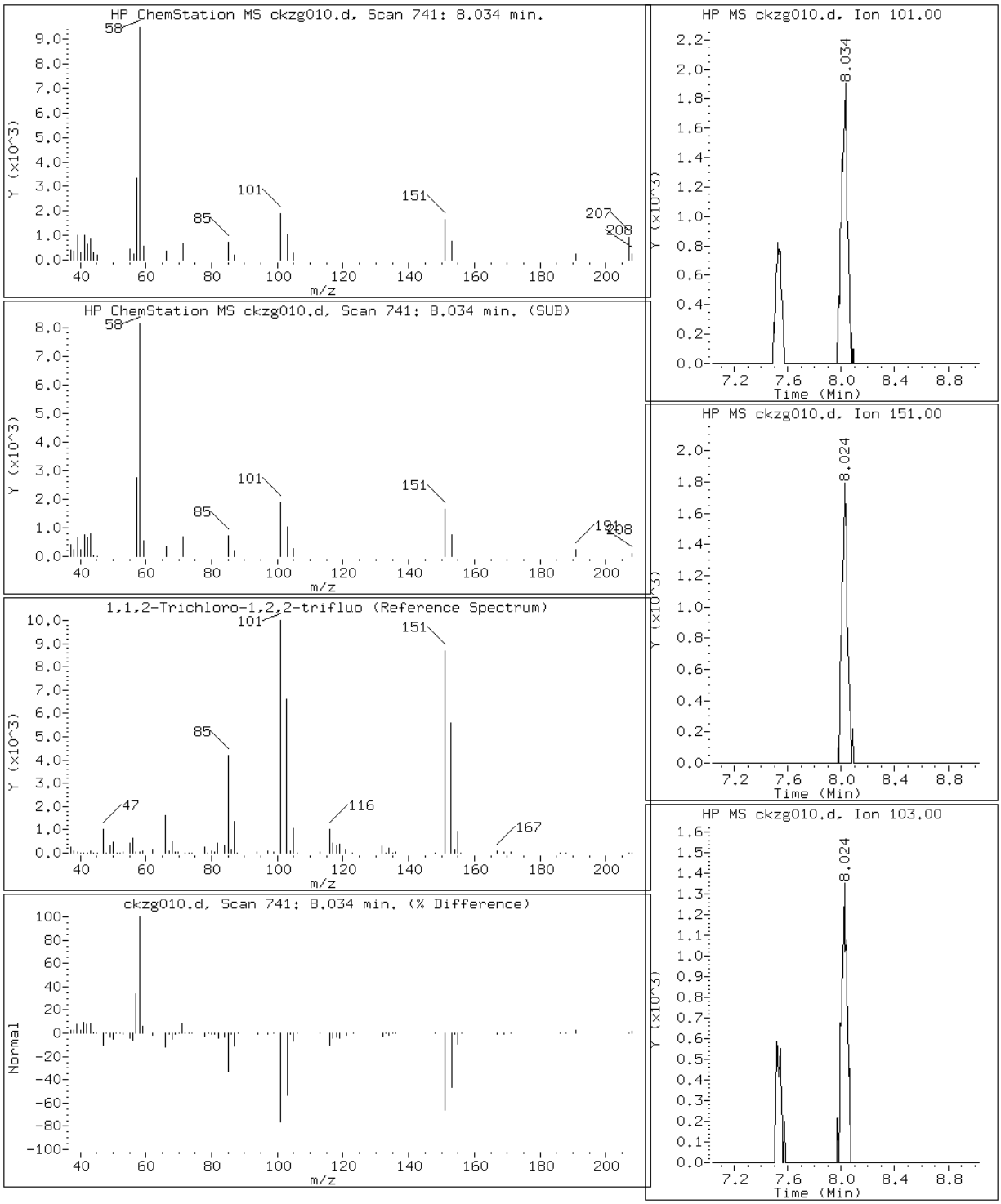
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



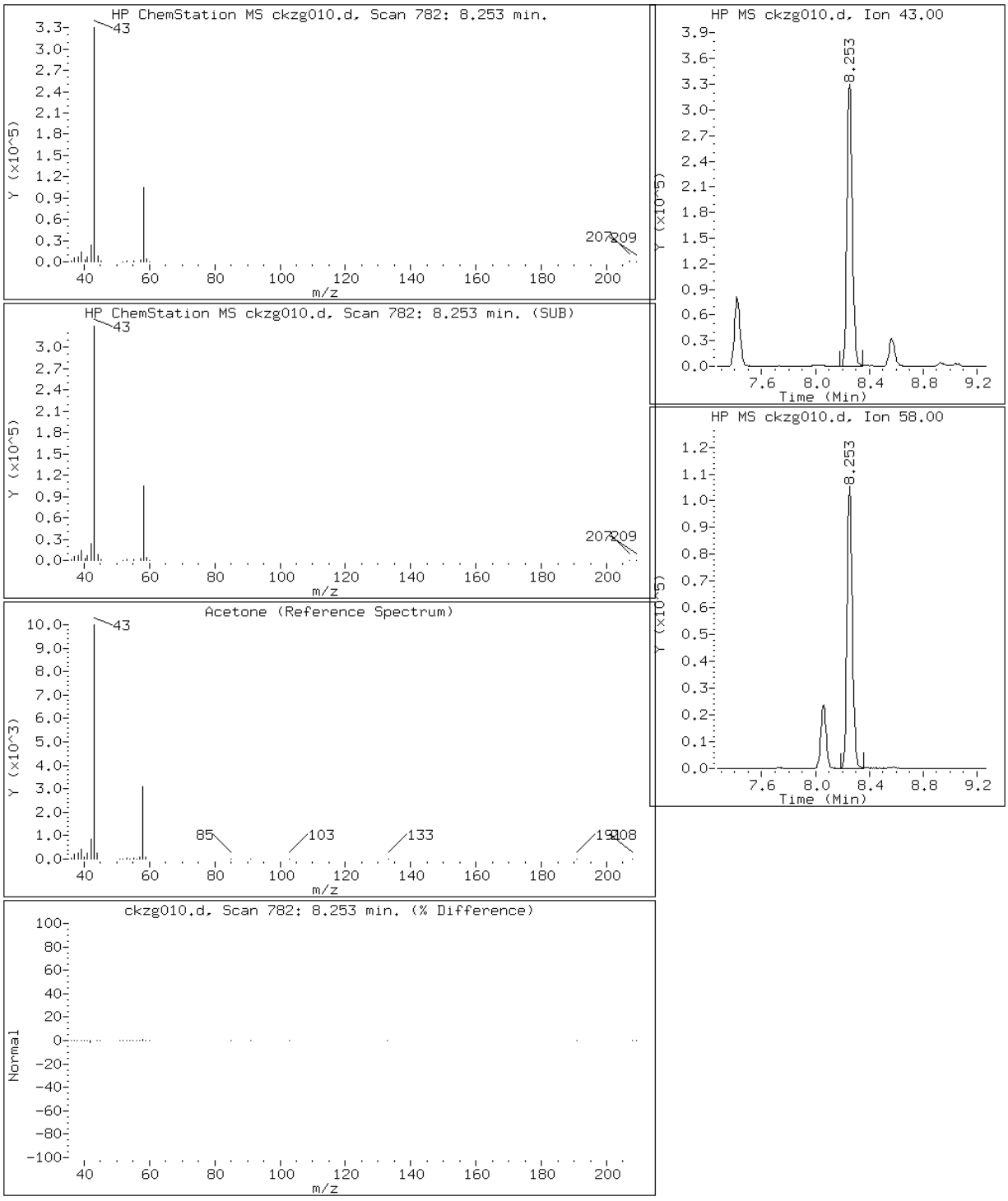
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

20 Acetone



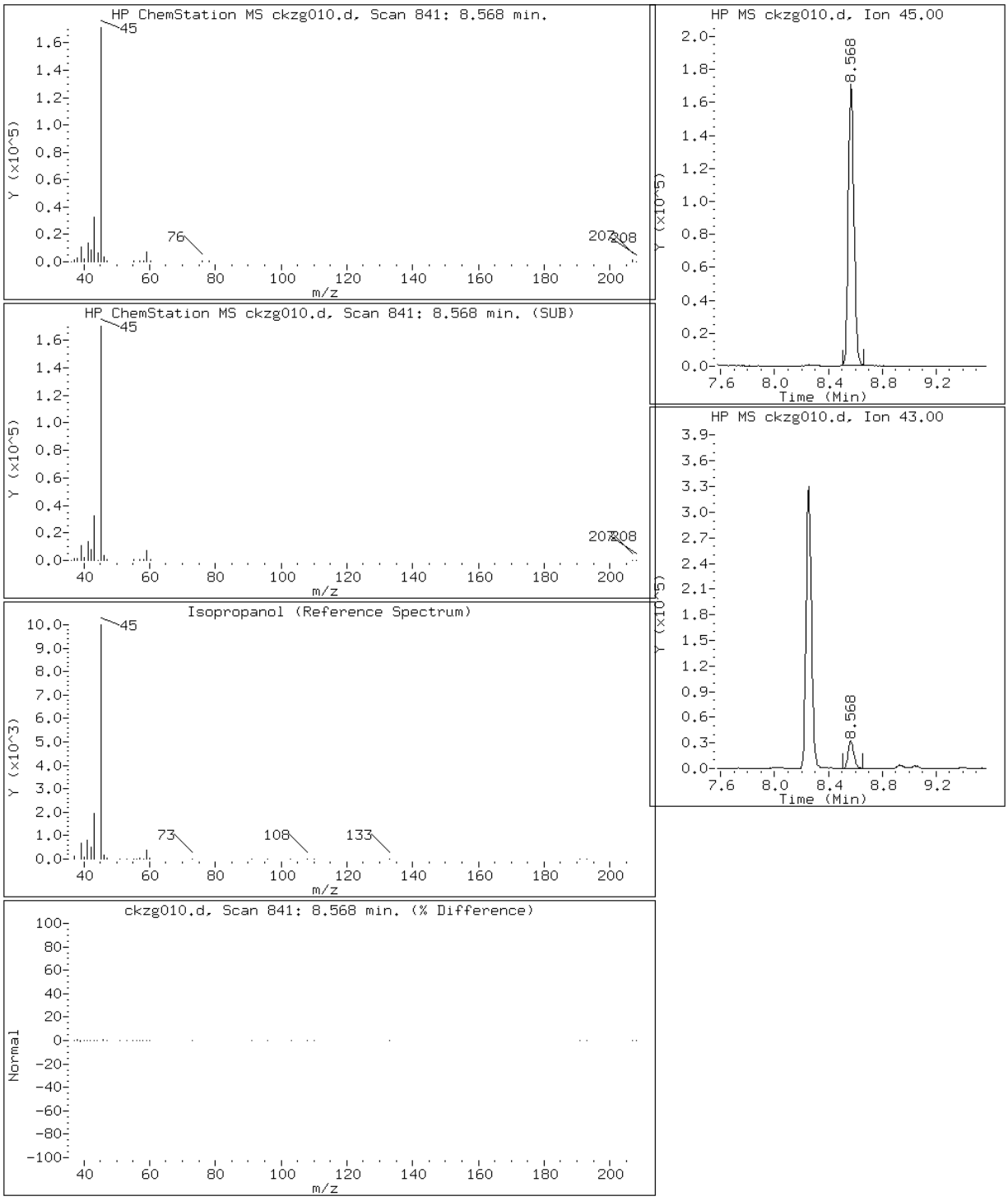
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

22 Isopropanol



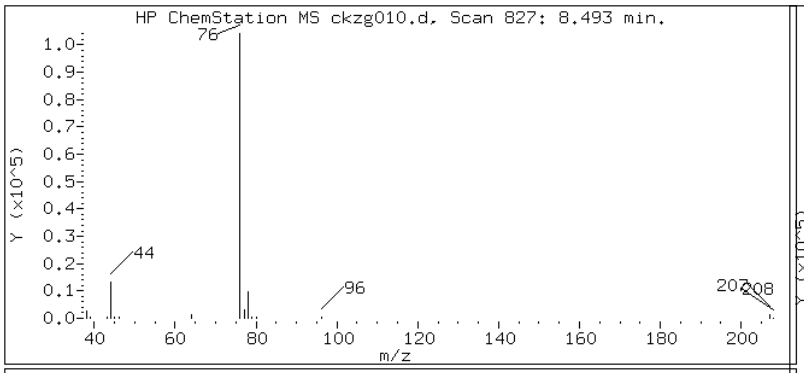
Data File: ckzg010.d

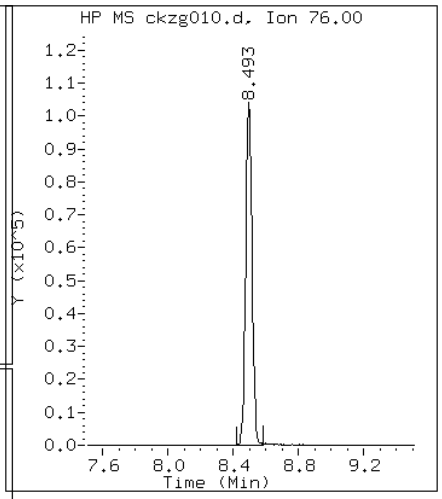
Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

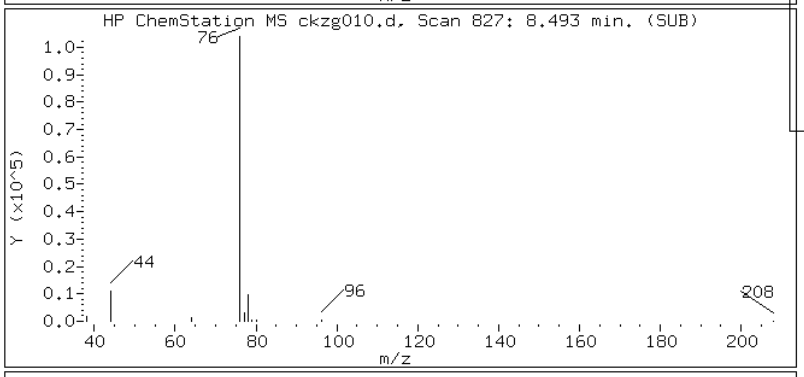
Client ID: 776VMP0101AG Instrument: C.i

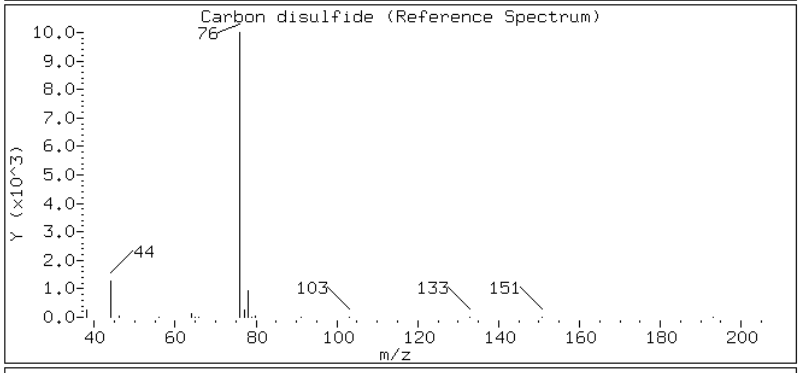
Sample Info: 280-32071-A-4 Operator: pad

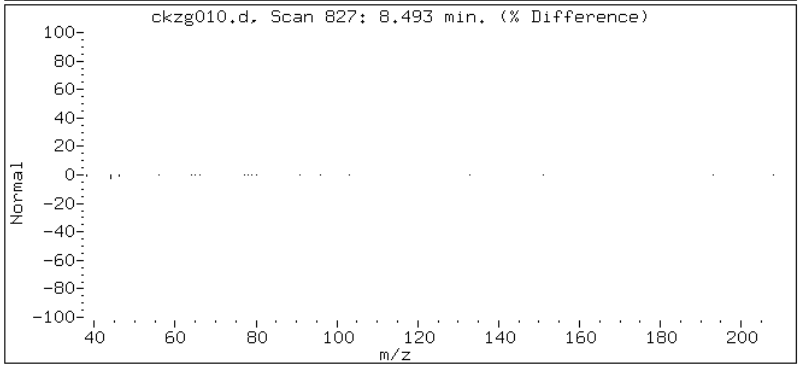
21 Carbon disulfide











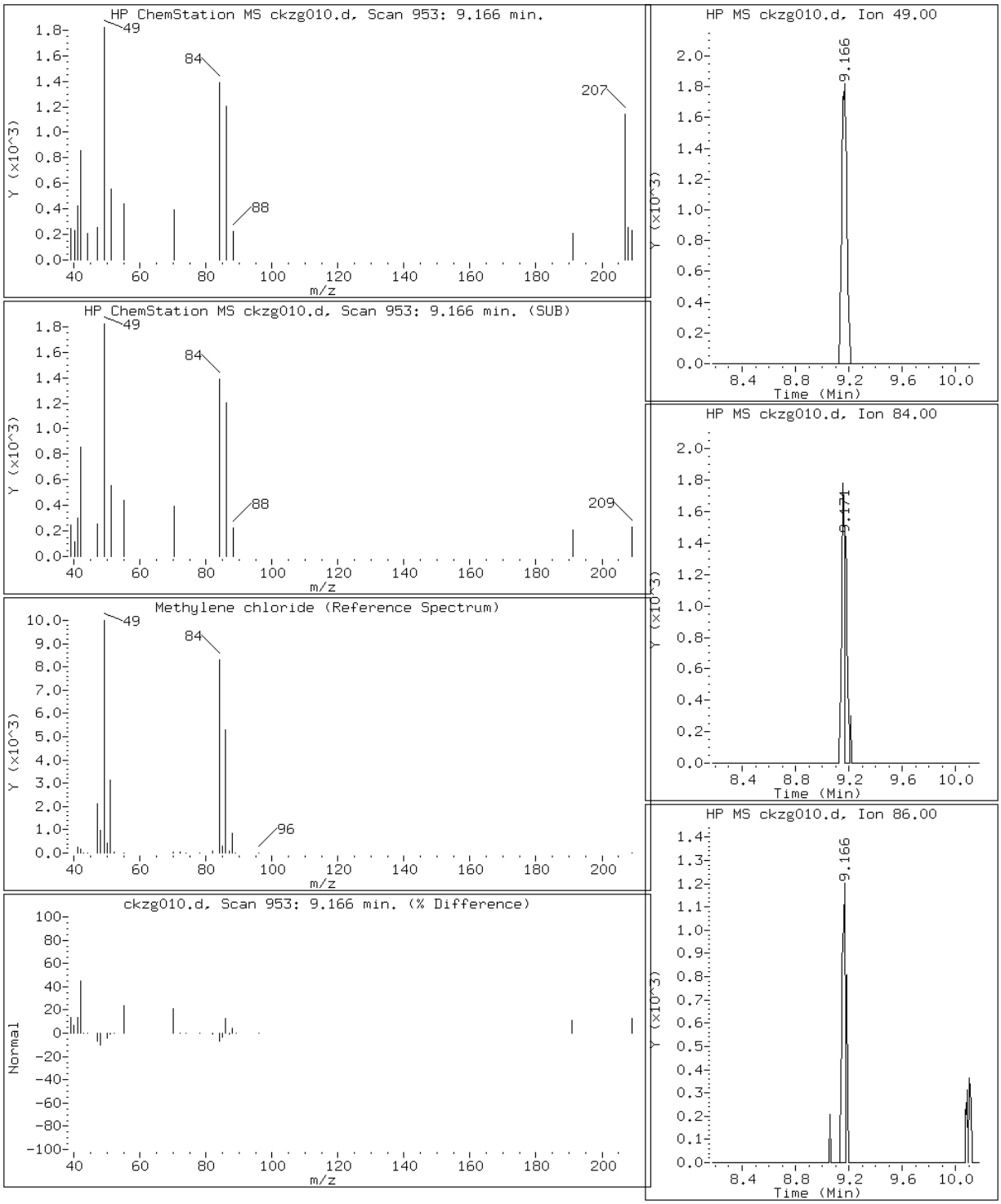
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

25 Methylene chloride



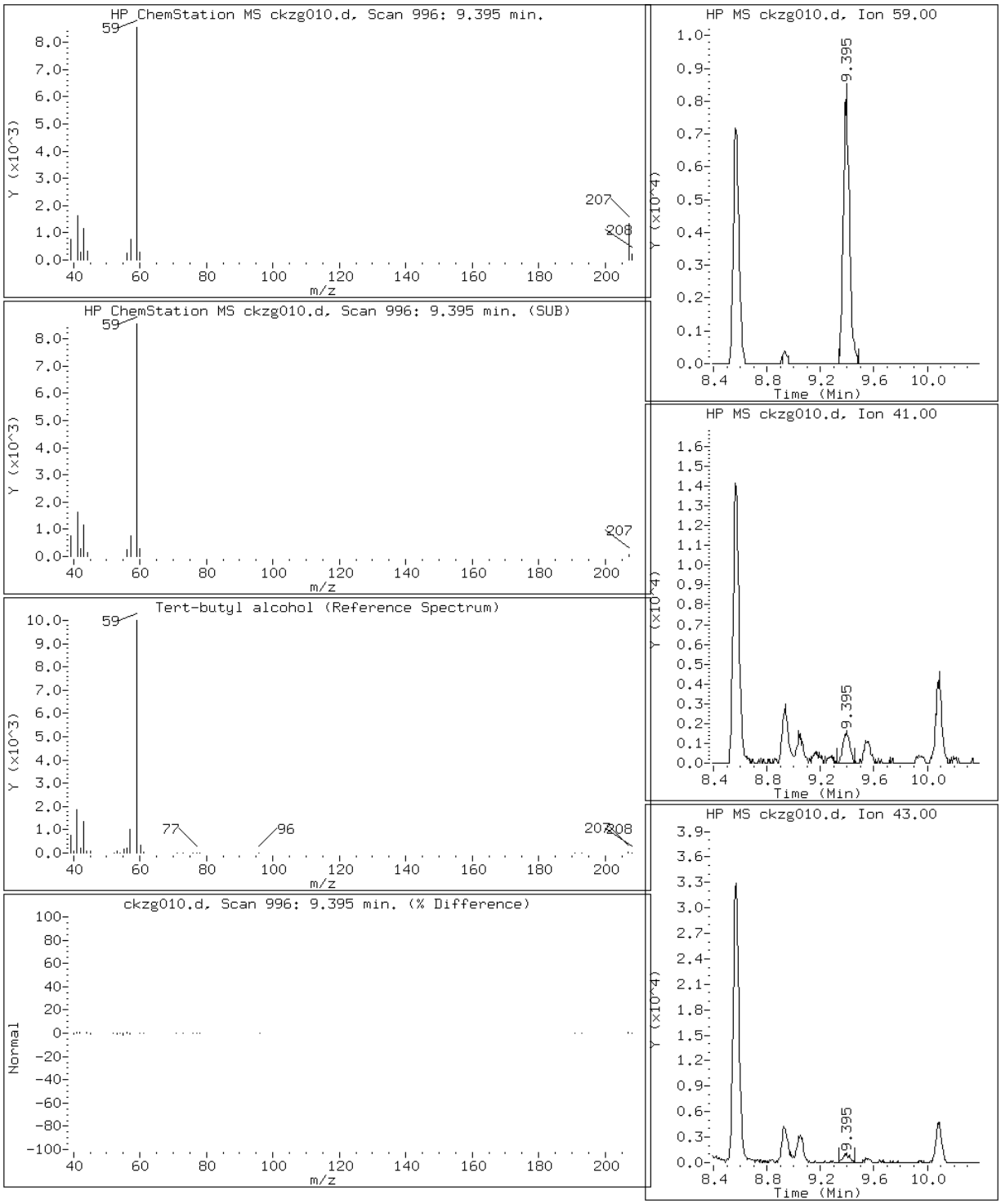
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

26 Tert-butyl alcohol



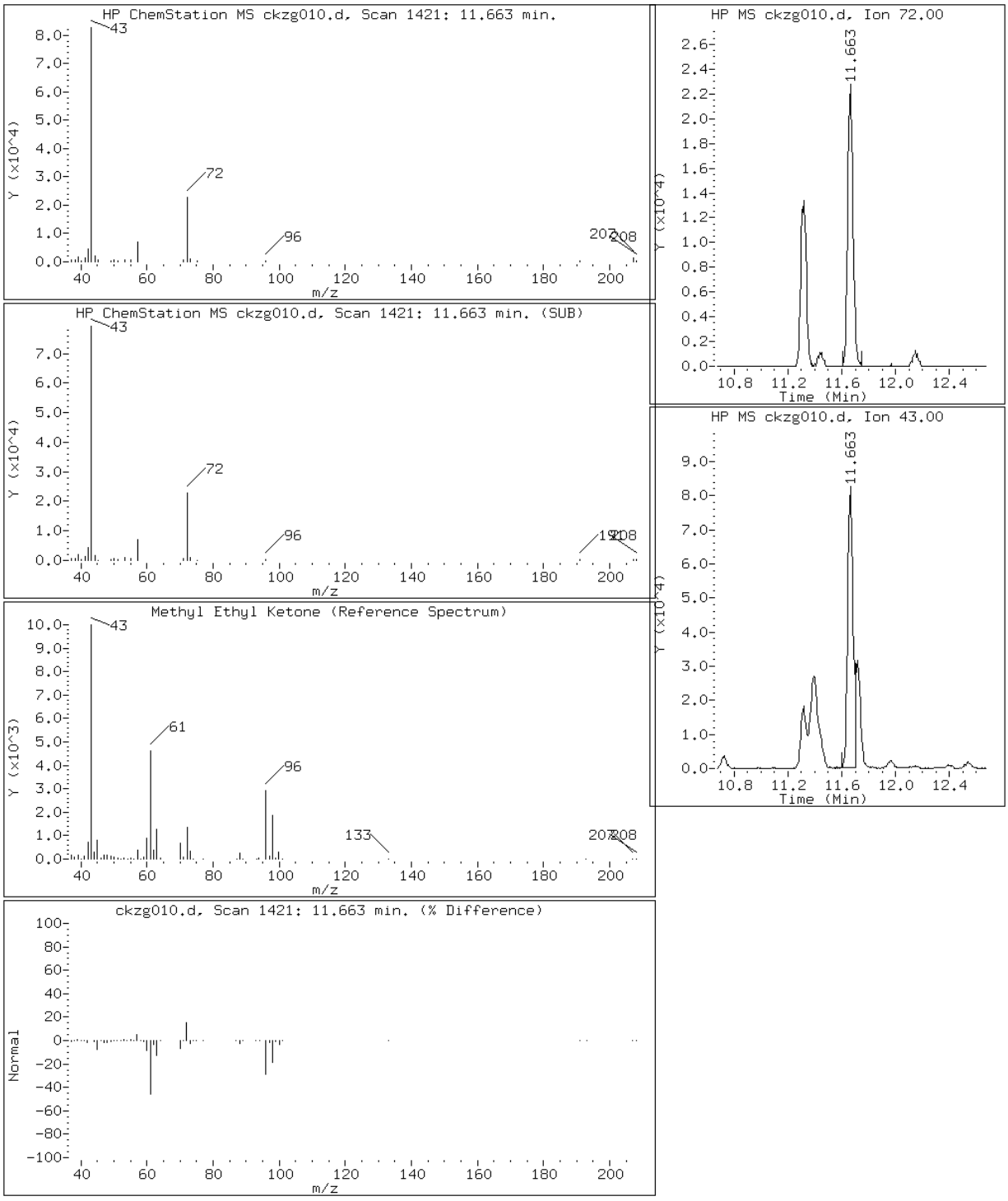
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

36 Methyl Ethyl Ketone



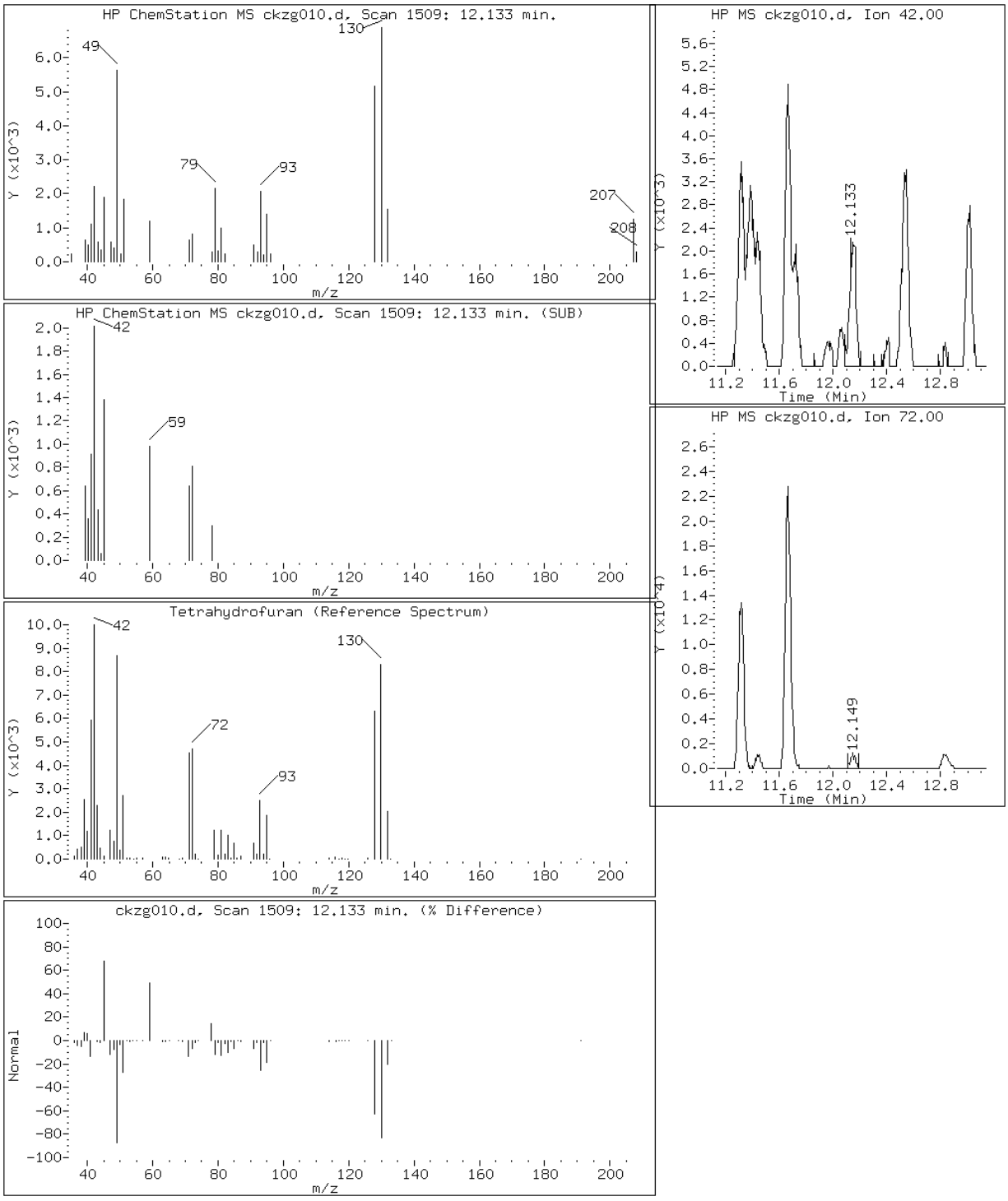
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

38 Tetrahydrofuran



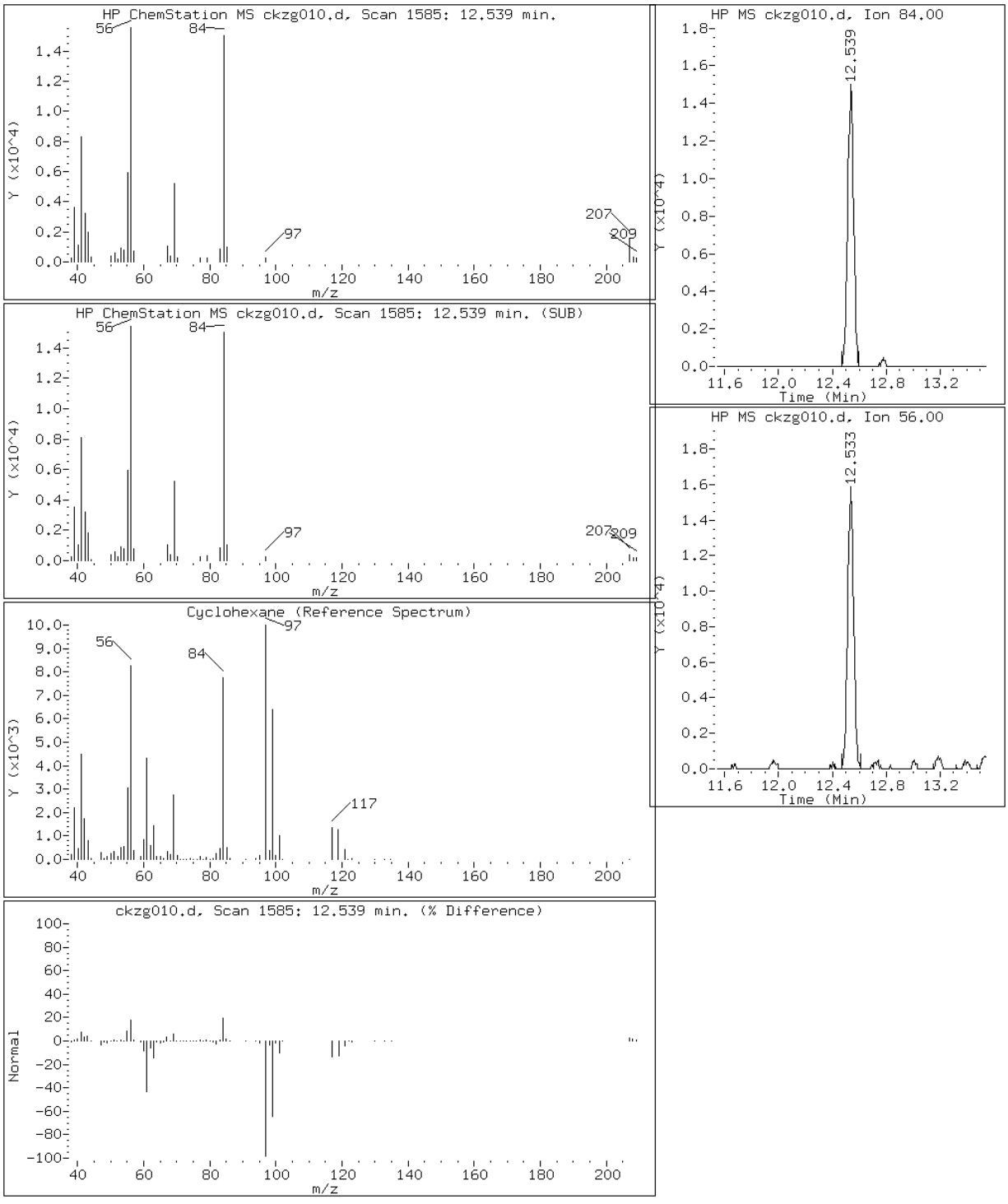
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

40 Cyclohexane



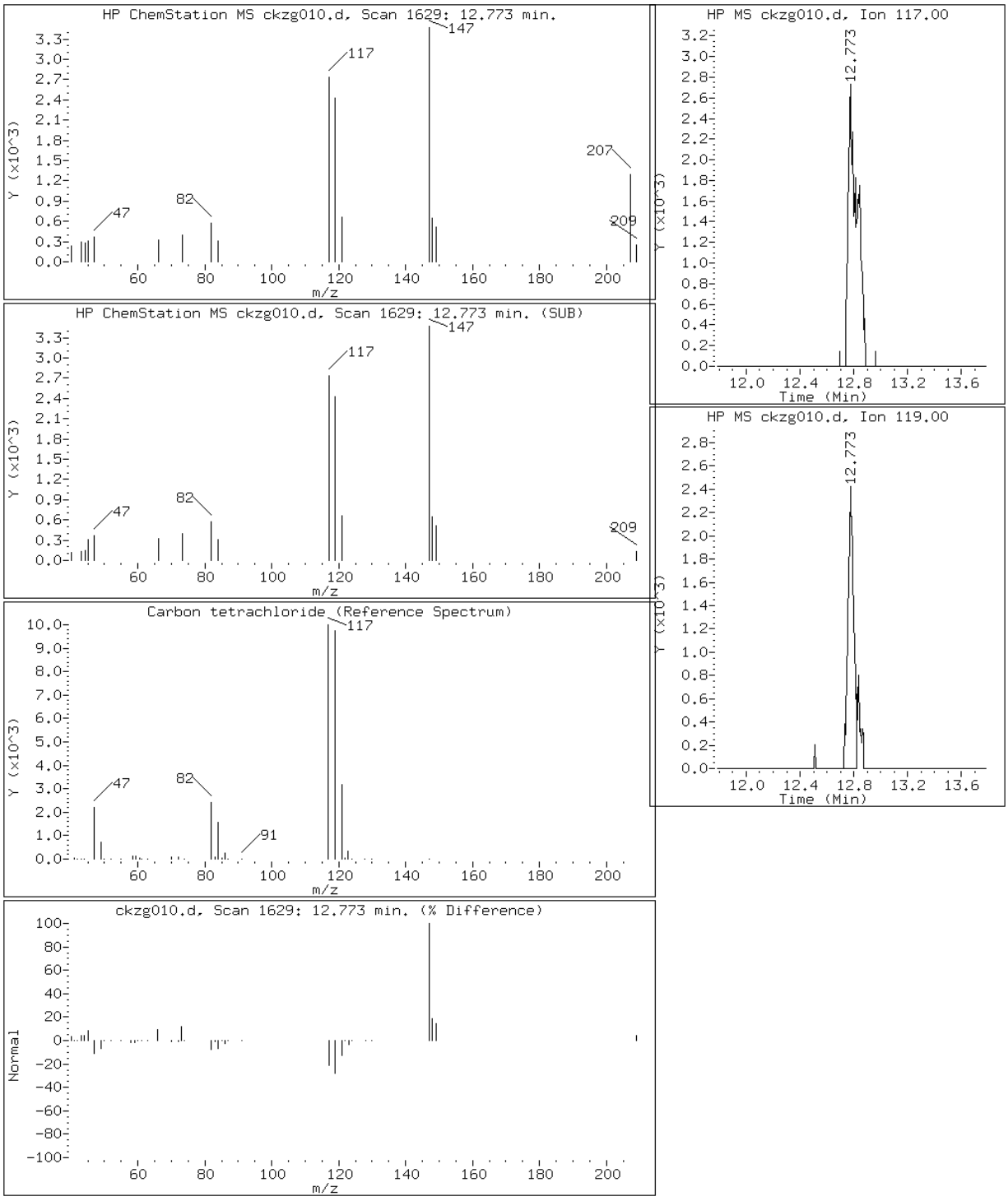
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

42 Carbon tetrachloride



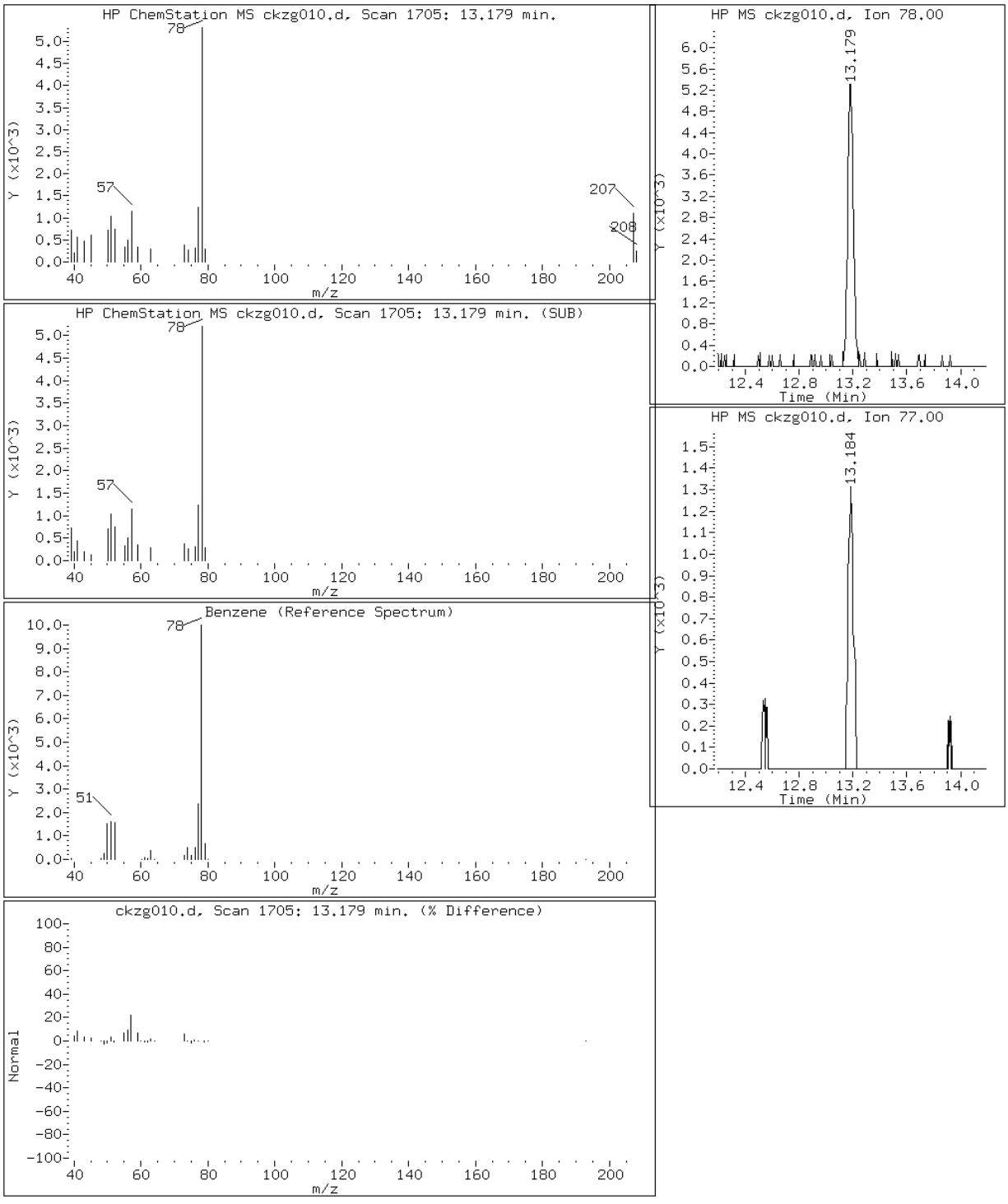
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

44 Benzene



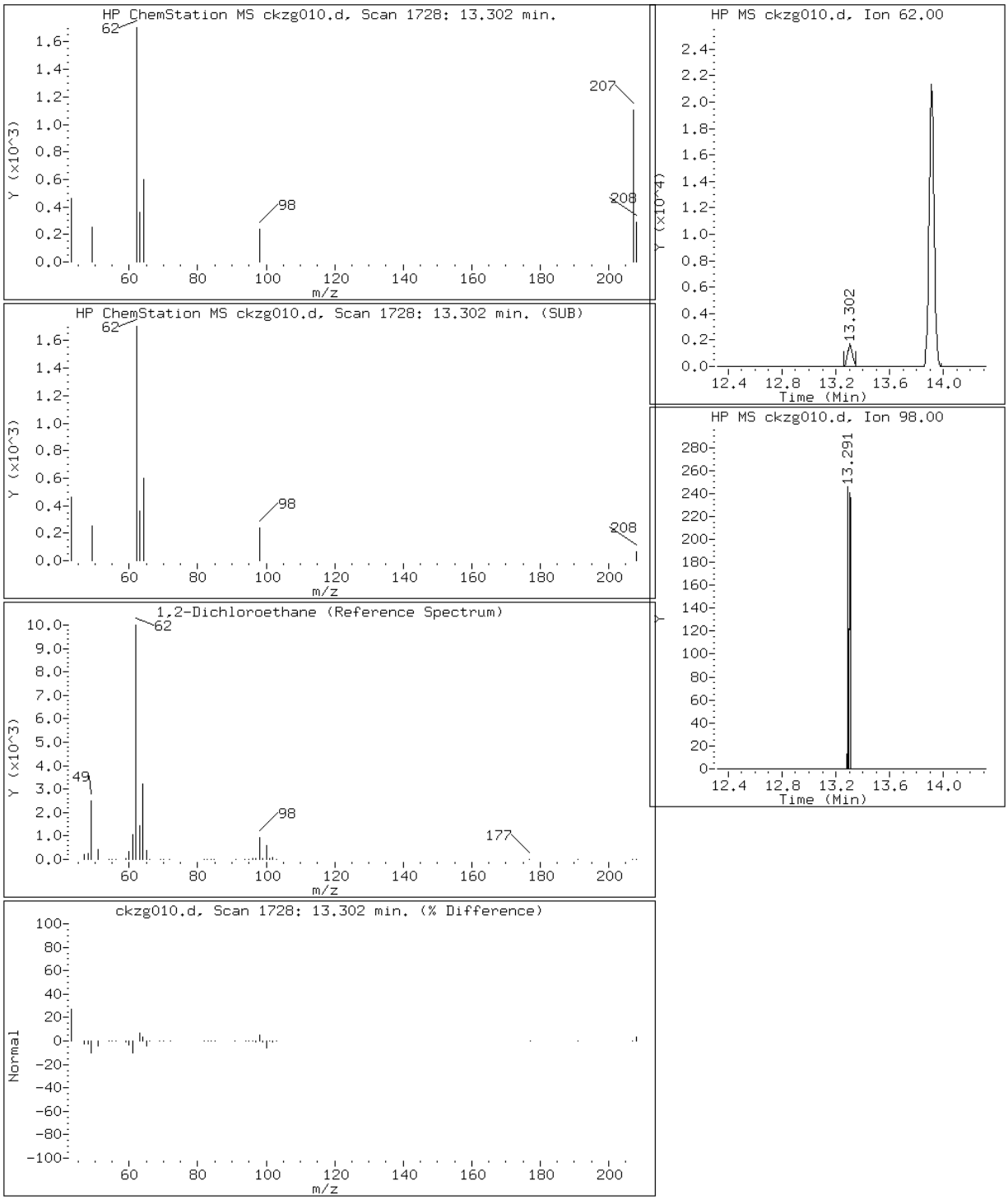
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

45 1,2-Dichloroethane



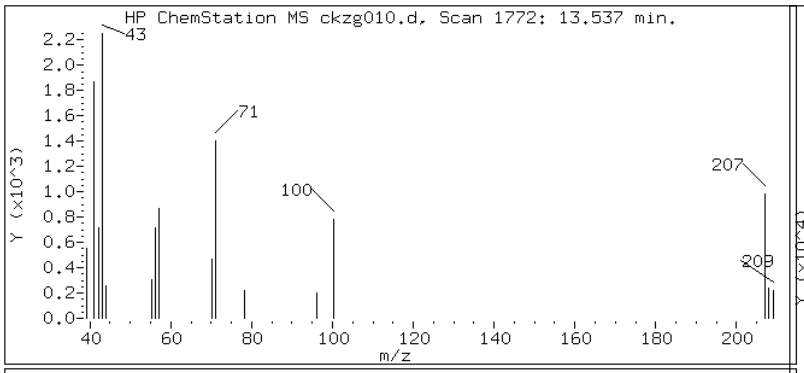
Data File: ckzg010.d

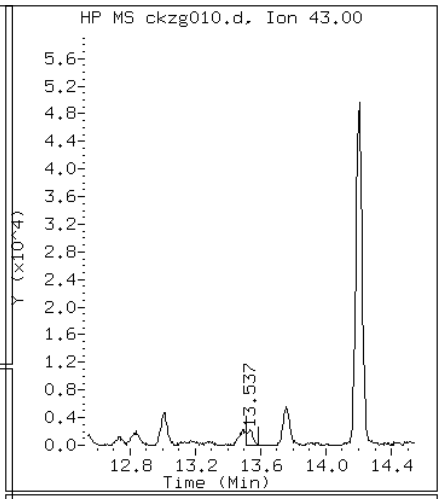
Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

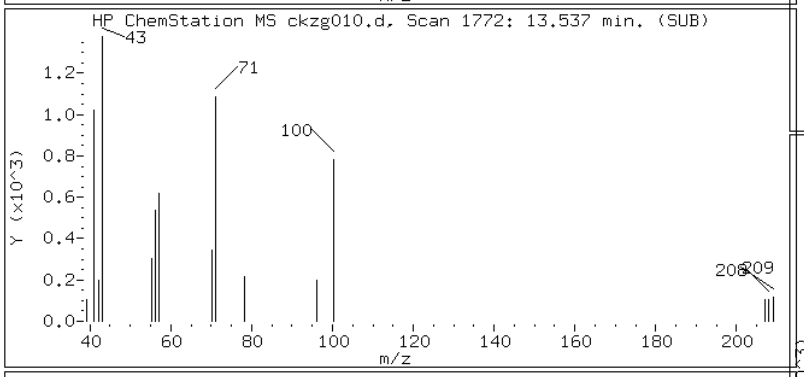
Client ID: 776VMP0101AG Instrument: C.i

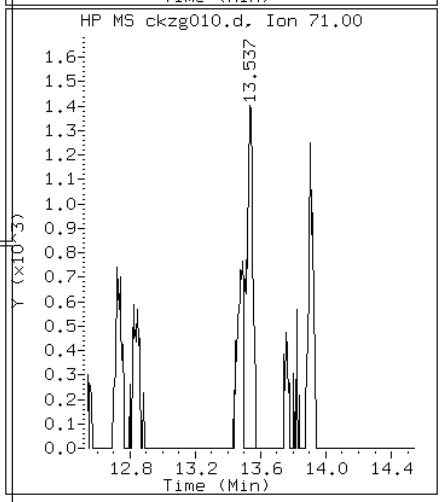
Sample Info: 280-32071-A-4 Operator: pad

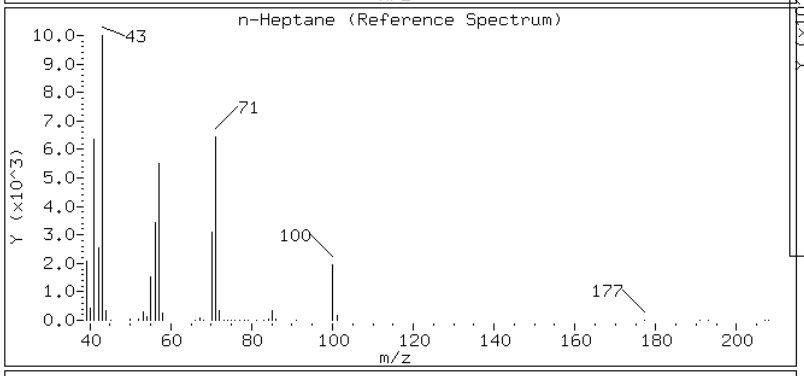
46 n-Heptane

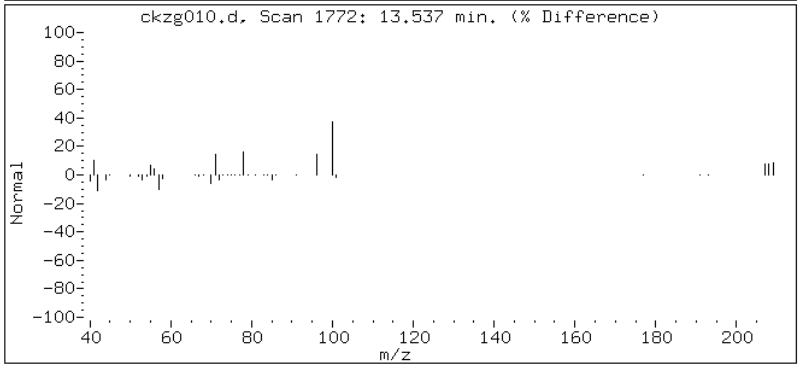












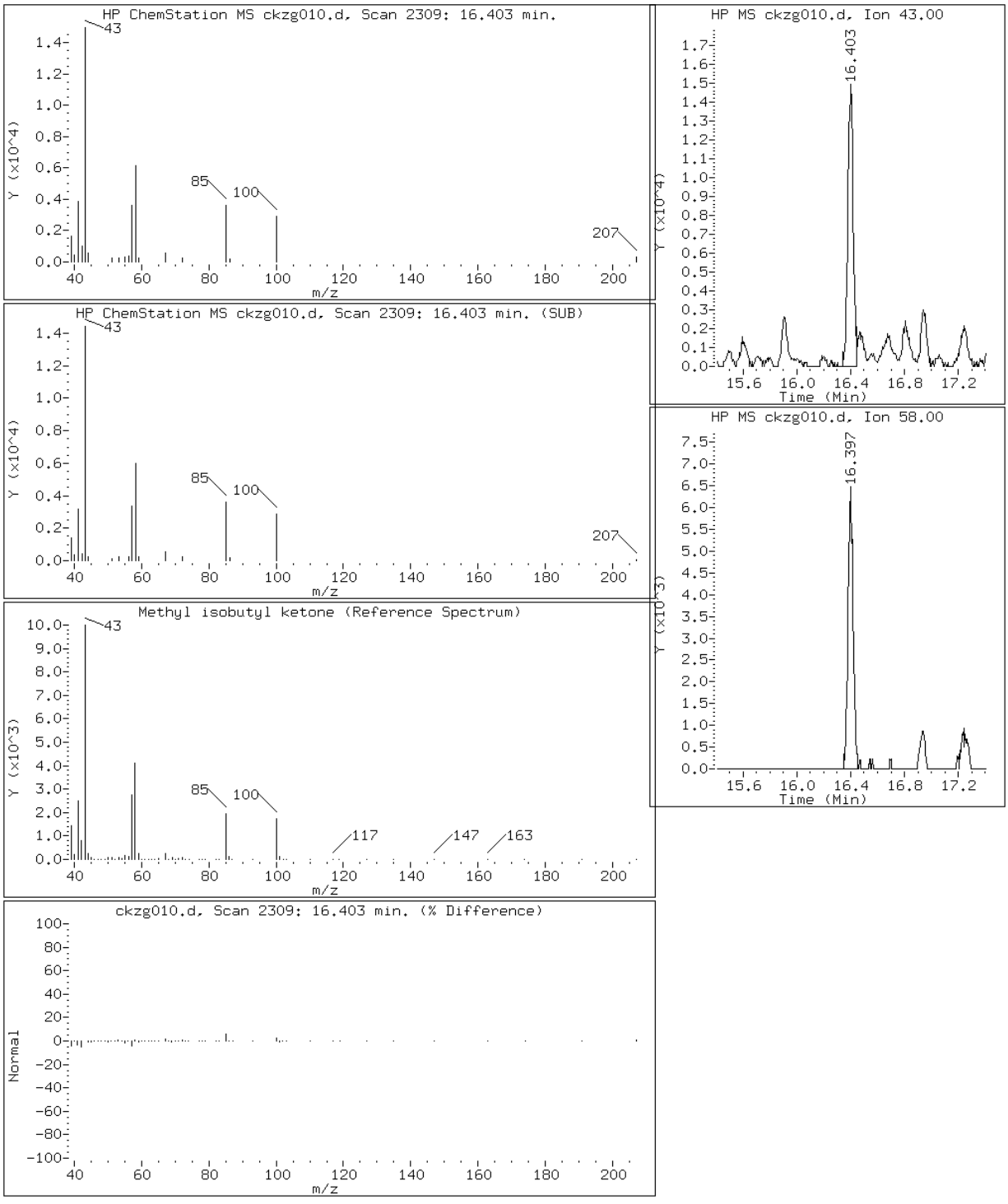
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

56 Methyl isobutyl ketone



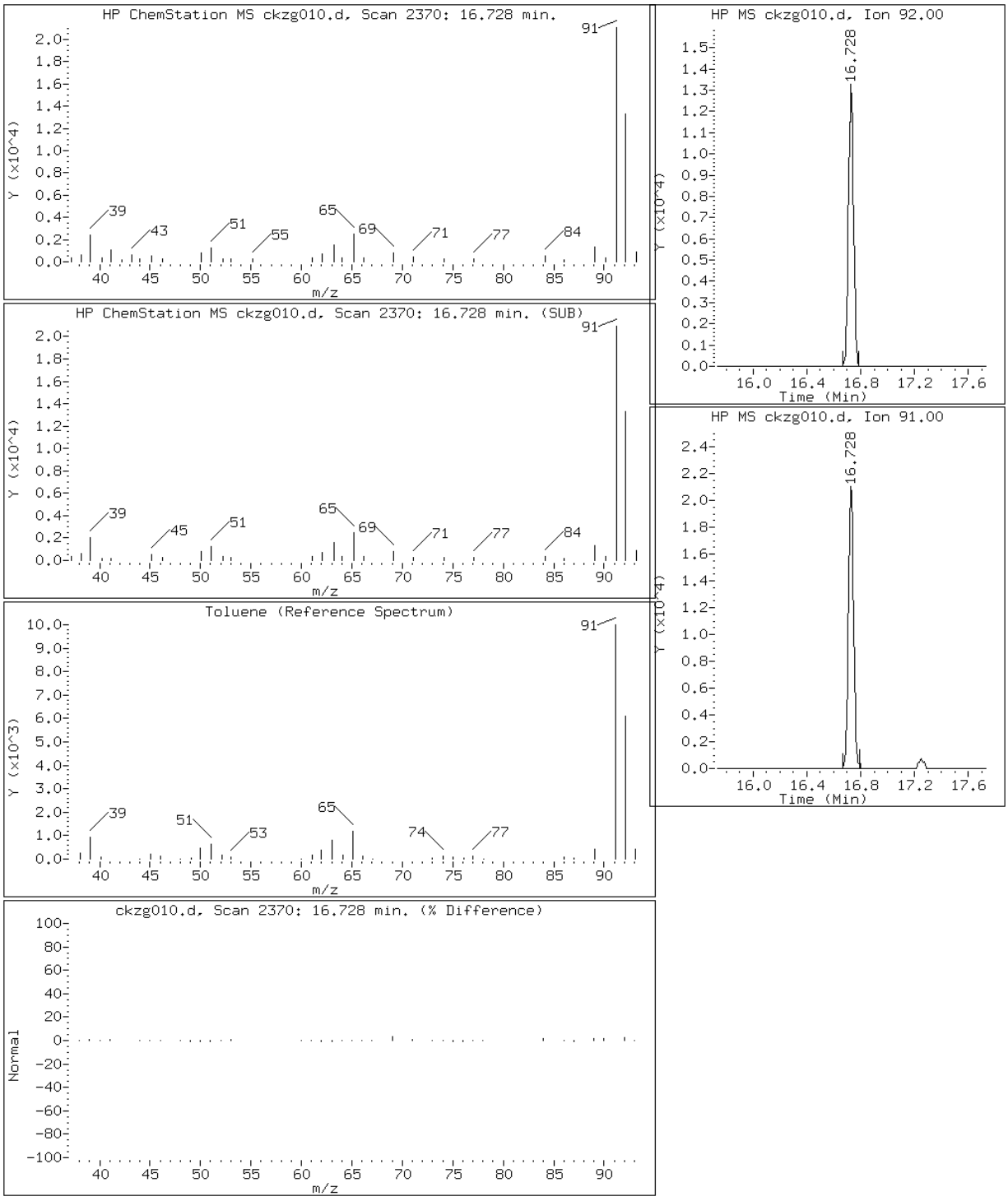
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

58 Toluene



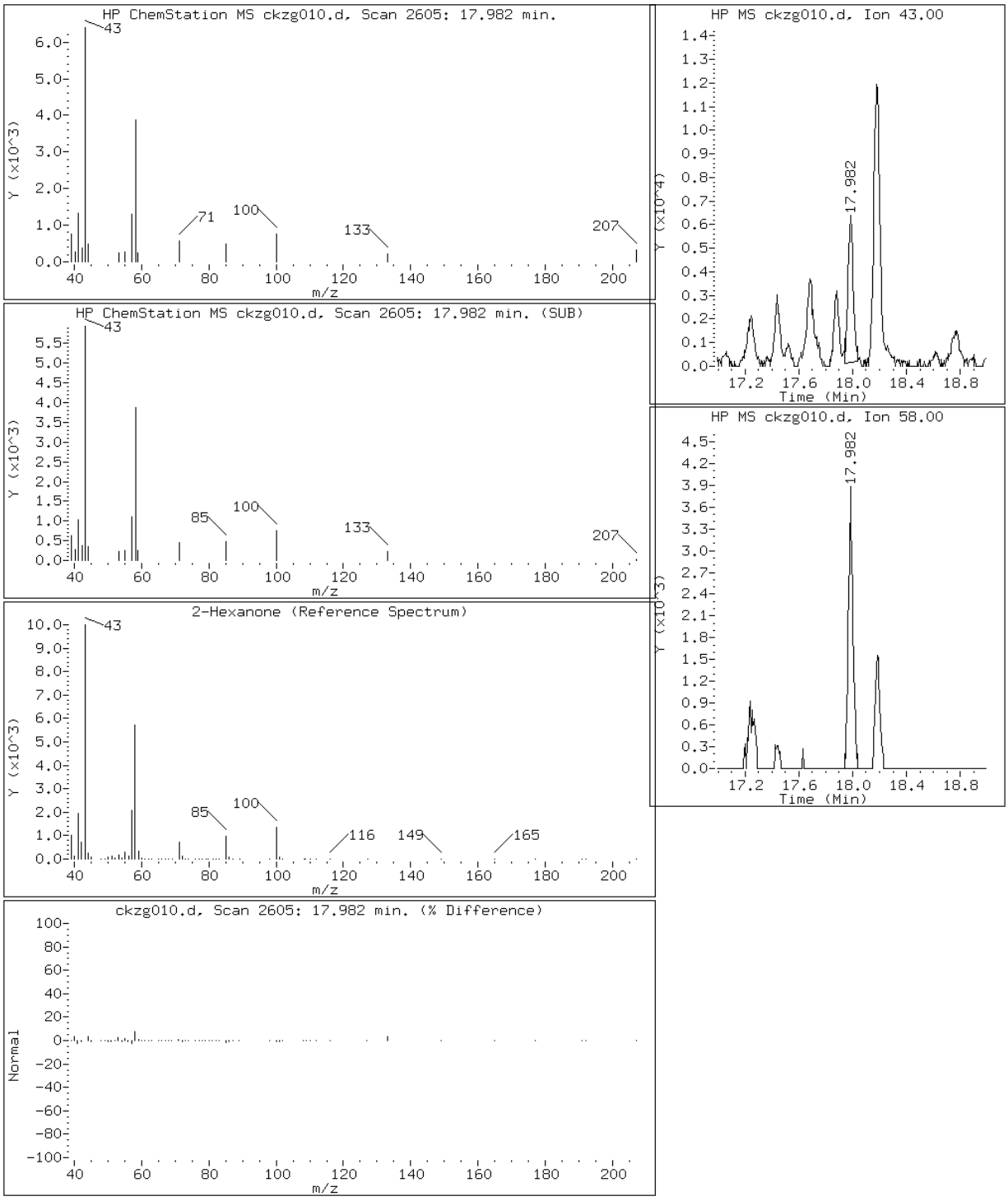
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

62 2-Hexanone



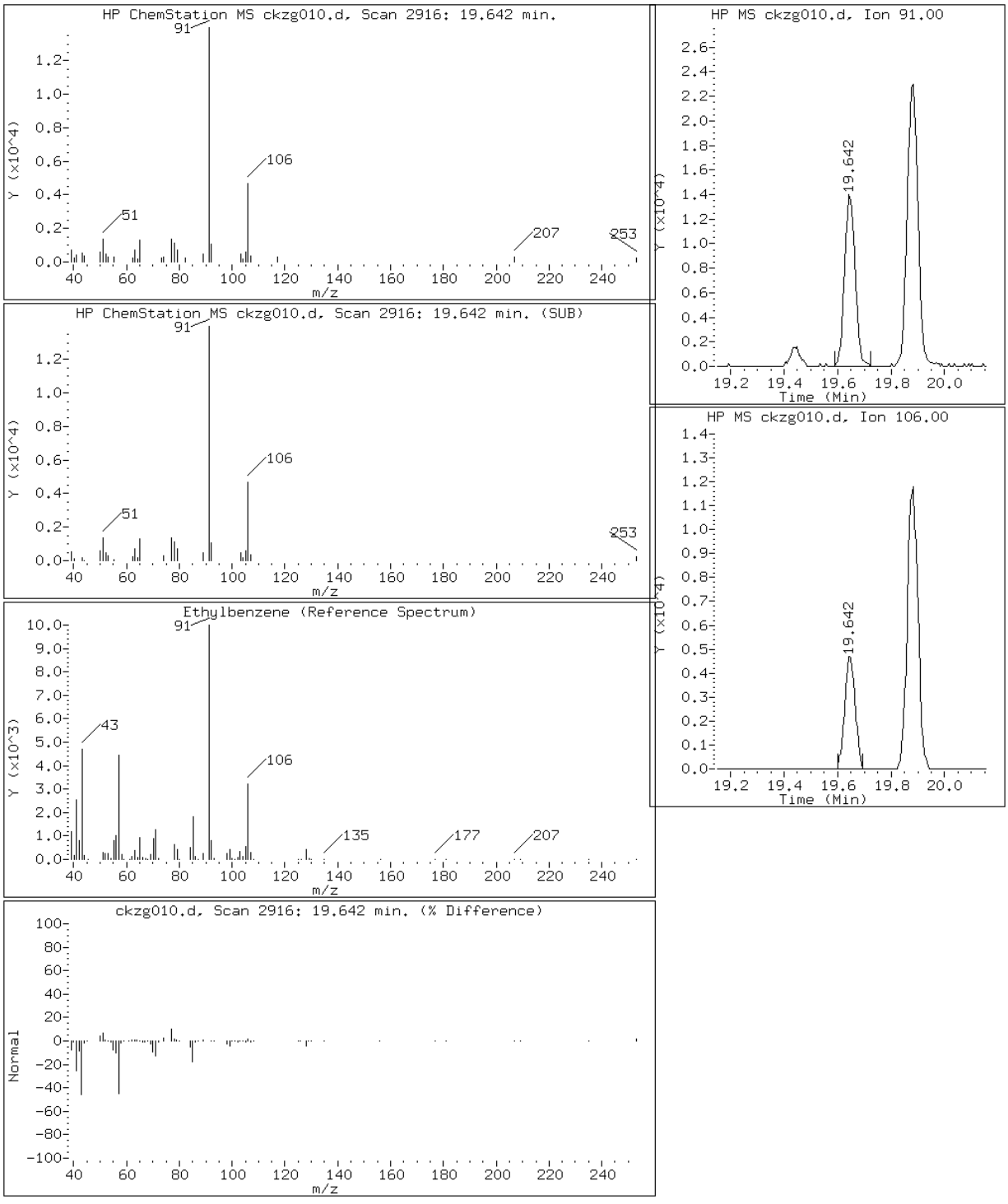
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

68 Ethylbenzene



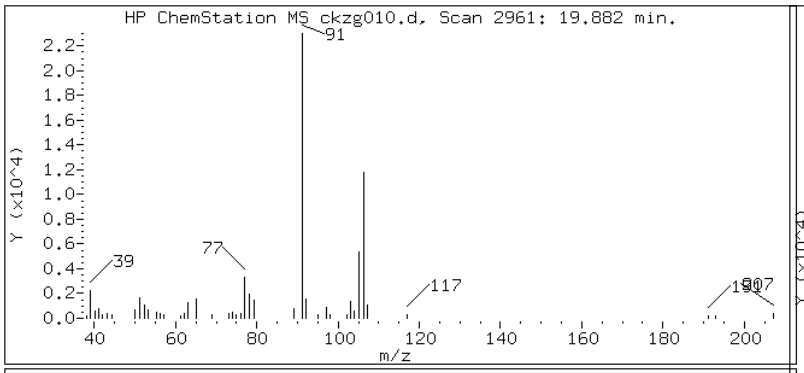
Data File: ckzg010.d

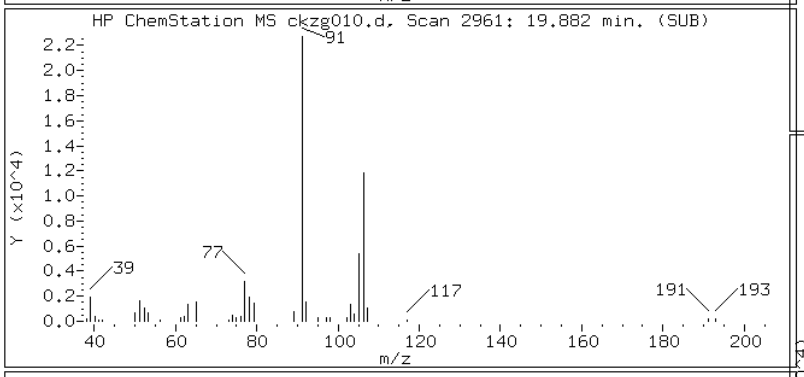
Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

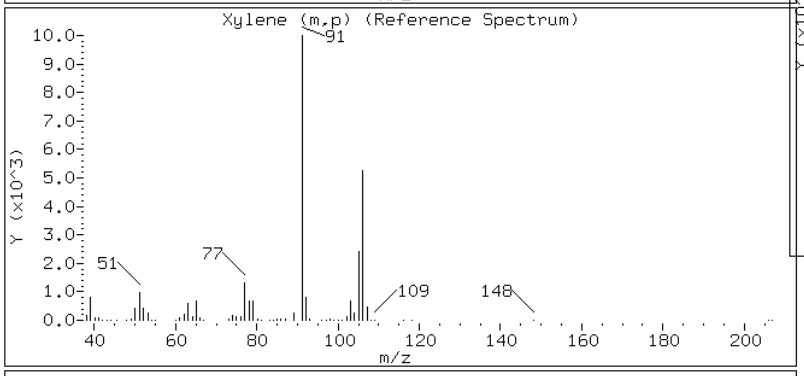
Client ID: 776VMP0101AG Instrument: C.i

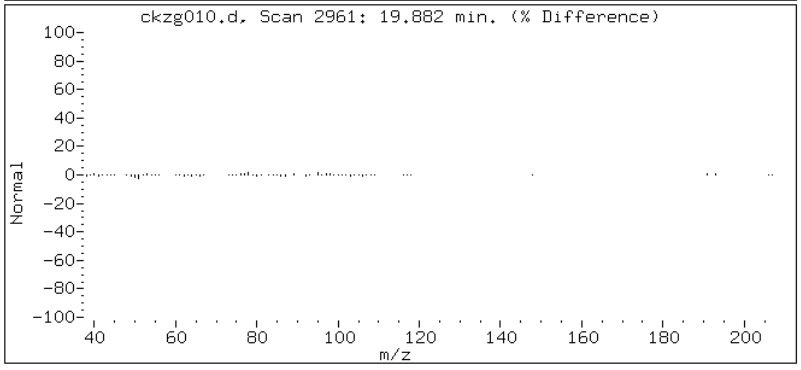
Sample Info: 280-32071-A-4 Operator: pad

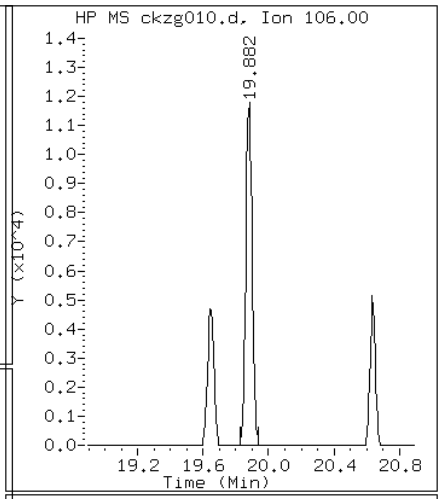
69 Xylene (m,p)

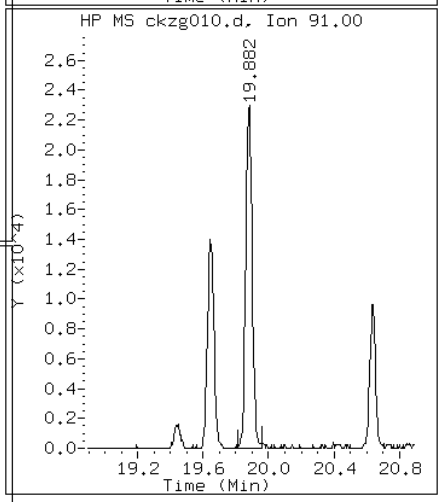












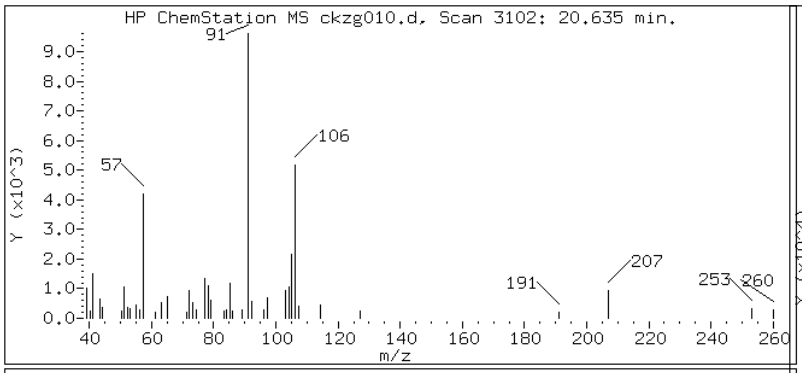
Data File: ckzg010.d

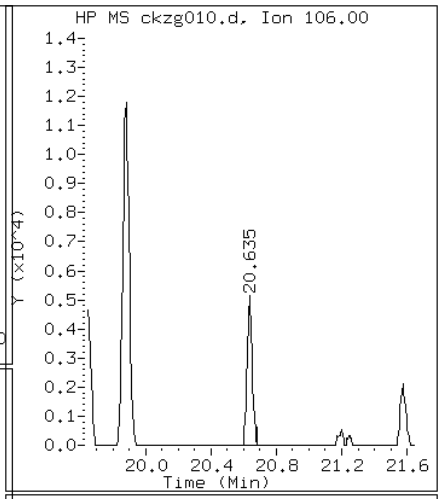
Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

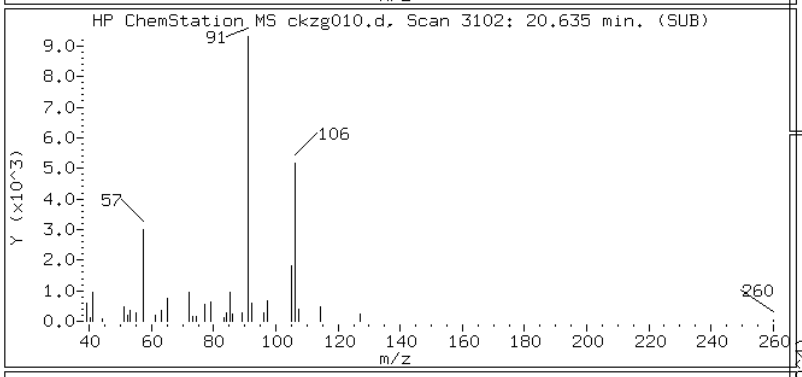
Client ID: 776VMP0101AG Instrument: C.i

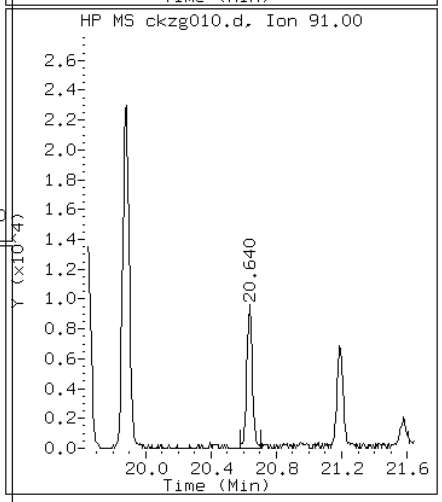
Sample Info: 280-32071-A-4 Operator: pad

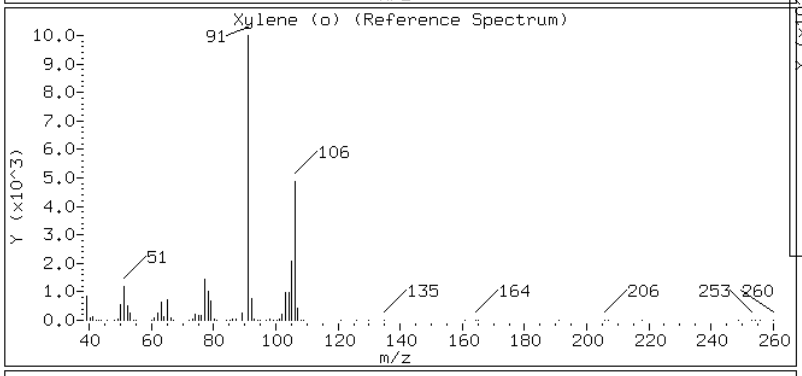
71 Xylene (o)

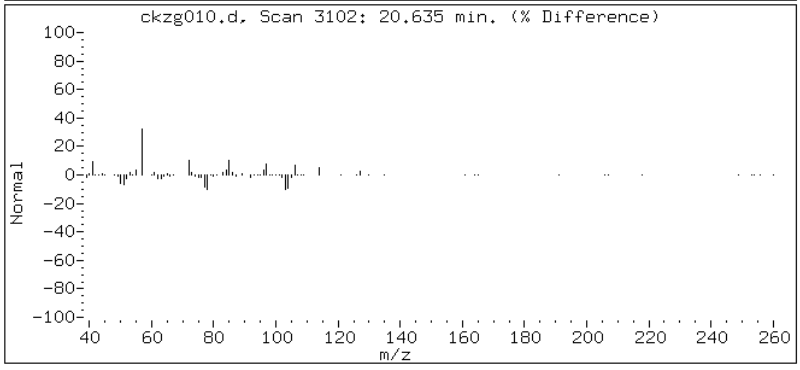












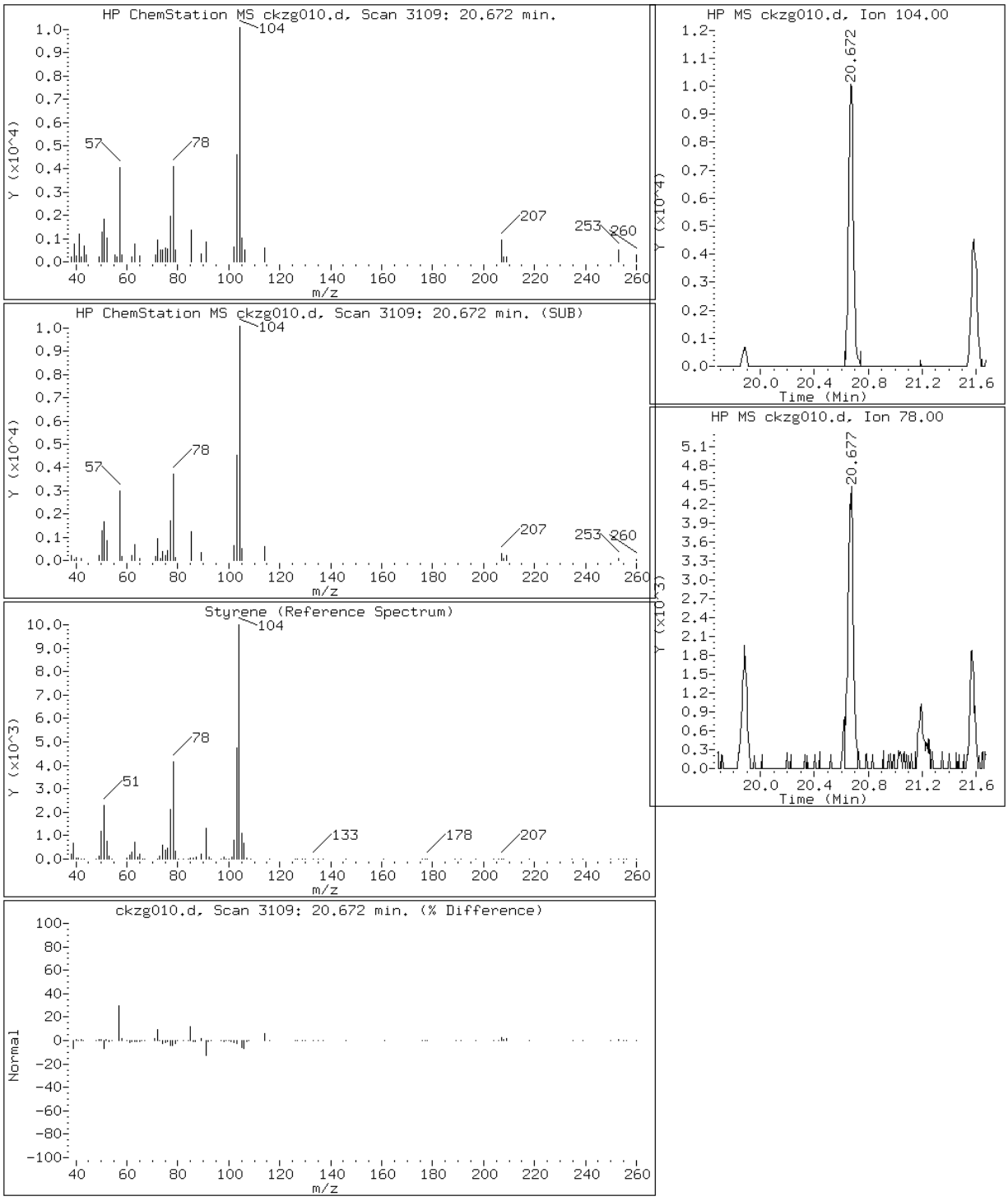
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

72 Styrene



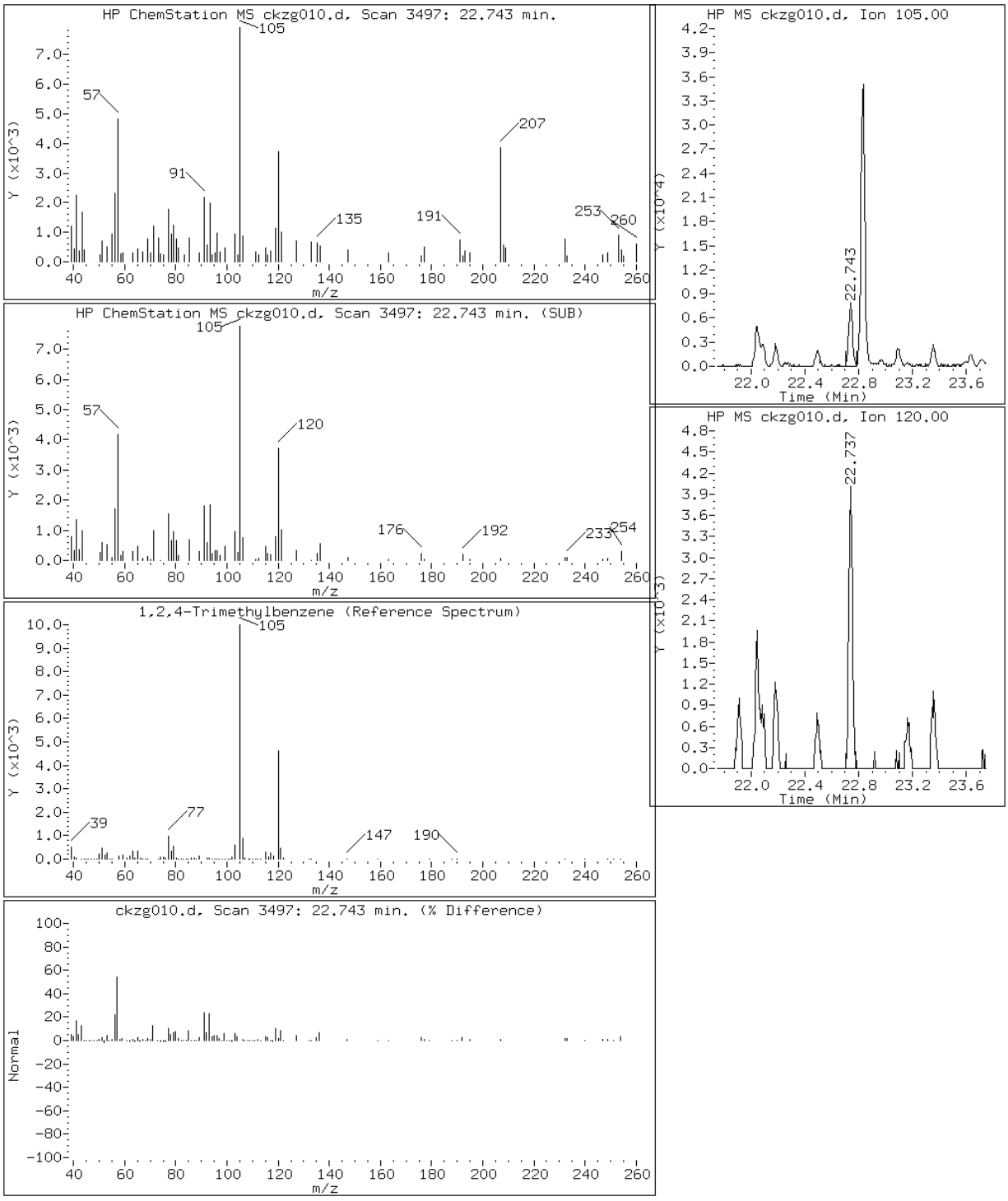
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

84 1,2,4-Trimethylbenzene



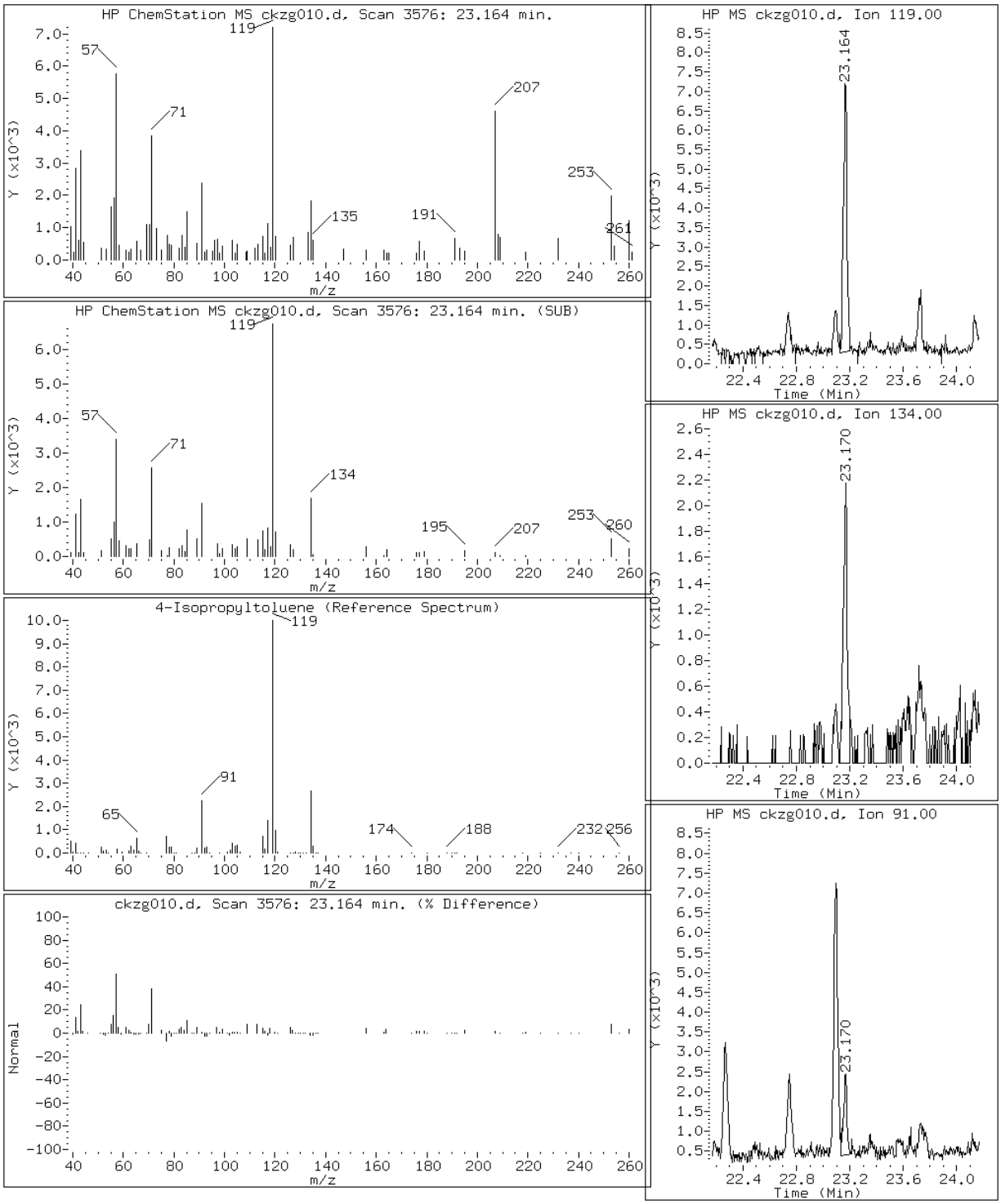
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

86 4-Isopropyltoluene



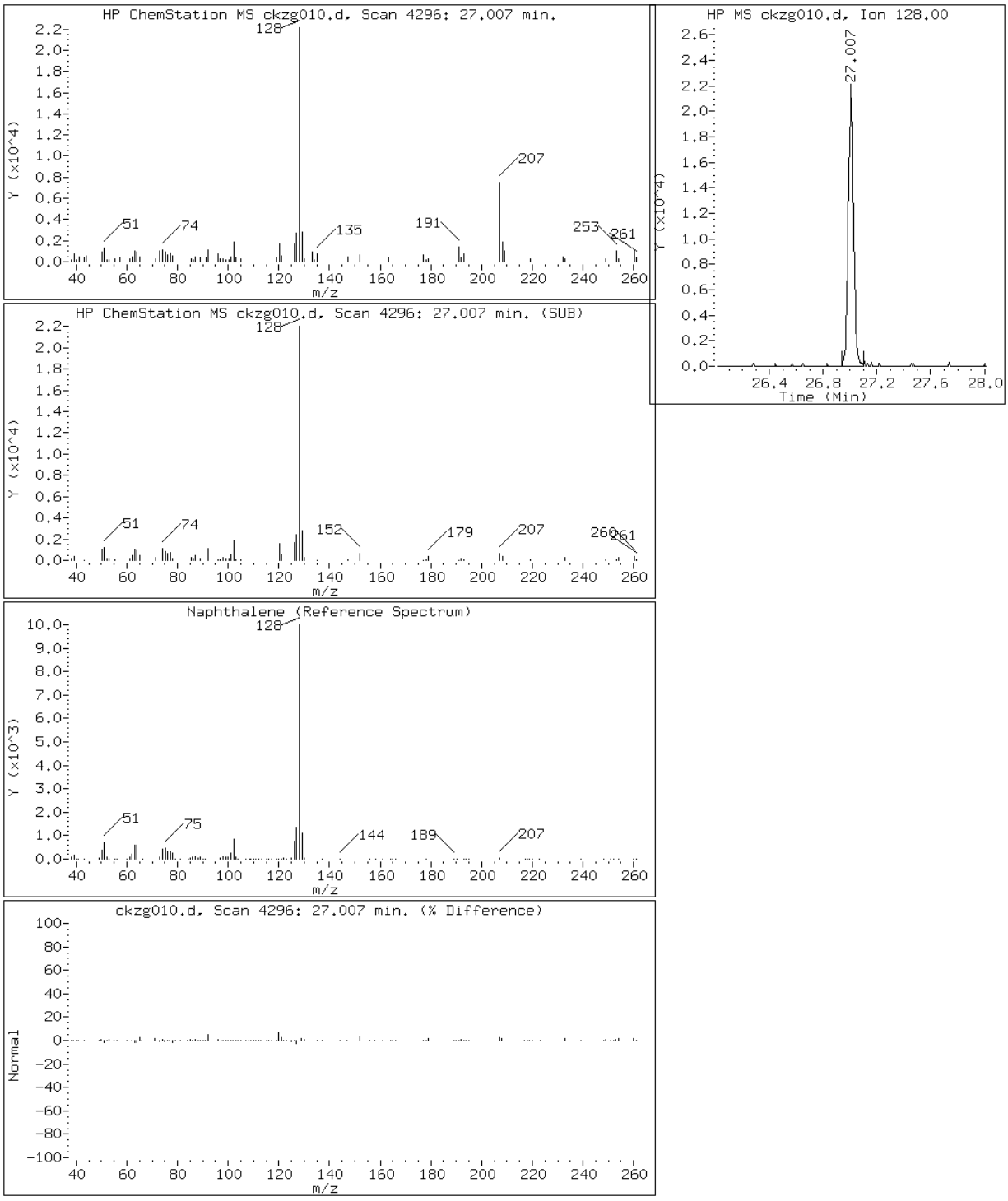
Data File: ckzg010.d

Lab Sample ID: 280-32071-4 Date: 22-AUG-2012 19:44

Client ID: 776VMP0101AG Instrument: C.i

Sample Info: 280-32071-A-4 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg010.d
Lab Sample ID: 280-32071-4
Inj. Date and Time: 22-AUG-2012 19:44
Instrument ID: C.i
Client ID: 776VMP0101AG
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/28/2012

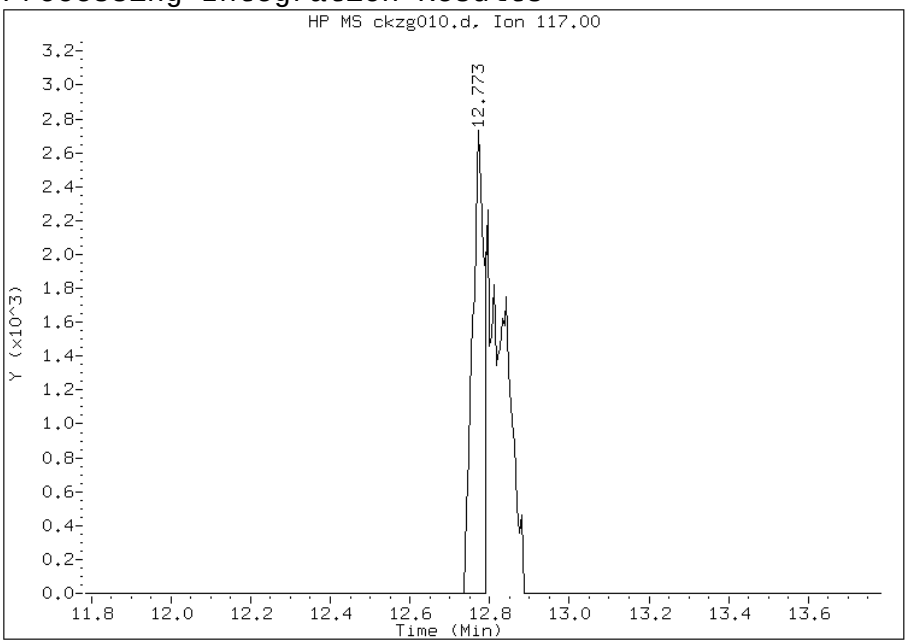
Processing Integration Results

RT: 12.77

Response: 5559

Amount: 0.058690

Conc: 0.058690



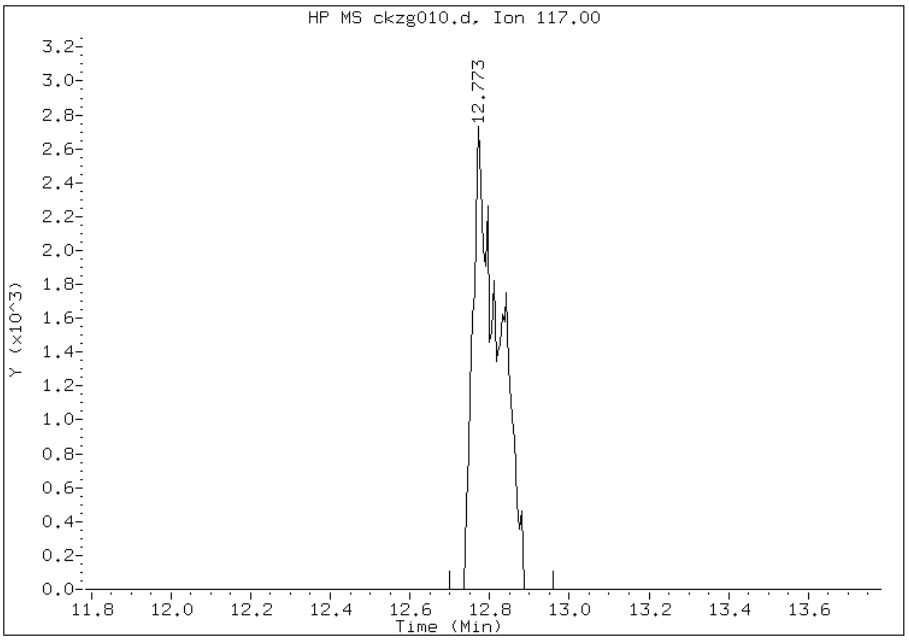
Manual Integration Results

RT: 12.77

Response: 12536

Amount: 0.132350

Conc: 0.132350



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0201AG Lab Sample ID: 280-32071-5

Matrix: Air Lab File ID: ckzg011.d

Analysis Method: TO-15 Date Collected: 08/06/2012 09:50

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.51		0.50	0.020
75-45-6	Freon 22	86.47	3.8		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.67		0.50	0.034
106-97-8	n-Butane	58.12	1.4		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.088	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	18		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	16		5.0	0.076
75-15-0	Carbon disulfide	76.14	0.13	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.27	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.42	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.12	J	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.4		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.045	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.39	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.61		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.11	J M	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.12	J	0.20	0.015
71-43-2	Benzene	78.11	0.14	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0201AG Lab Sample ID: 280-32071-5

Matrix: Air Lab File ID: ckzg011.d

Analysis Method: TO-15 Date Collected: 08/06/2012 09:50

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.10	J	0.20	0.017
79-01-6	Trichloroethene	131.39	0.26		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.47	J	0.50	0.034
108-88-3	Toluene	92.14	0.46		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.25	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.25		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.55		0.50	0.022
95-47-6	Xylene, o-	106.17	0.19	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.73		0.20	0.016
100-42-5	Styrene	104.15	0.41		0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.092	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.075	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0201AG Lab Sample ID: 280-32071-5

Matrix: Air Lab File ID: ckzg011.d

Analysis Method: TO-15 Date Collected: 08/06/2012 09:50

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.36	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0201AG Lab Sample ID: 280-32071-5

Matrix: Air Lab File ID: ckzg011.d

Analysis Method: TO-15 Date Collected: 08/06/2012 09:50

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.099
75-45-6	Freon 22	86.47	14		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.4		1.0	0.070
106-97-8	n-Butane	58.12	3.3		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
76-13-1	Freon TF	187.38	0.67	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	43		12	0.95
67-63-0	Isopropyl alcohol	60.10	40		12	0.19
75-15-0	Carbon disulfide	76.14	0.41	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.92	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	1.3	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.43	J	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	4.3		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.22	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.1	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	2.1		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.70	J M	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.56	J	0.93	0.070
71-43-2	Benzene	78.11	0.43	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0201AG Lab Sample ID: 280-32071-5

Matrix: Air Lab File ID: ckzg011.d

Analysis Method: TO-15 Date Collected: 08/06/2012 09:50

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.43	J	0.82	0.070
79-01-6	Trichloroethene	131.39	1.4		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	1.9	J	2.0	0.14
108-88-3	Toluene	92.14	1.7		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	1.1		0.87	0.065
179601-23-1	m,p-Xylene	106.17	2.4		2.2	0.096
95-47-6	Xylene, o-	106.17	0.82	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	3.2		0.87	0.069
100-42-5	Styrene	104.15	1.8		0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.45	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.41	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0201AG Lab Sample ID: 280-32071-5

Matrix: Air Lab File ID: ckzg011.d

Analysis Method: TO-15 Date Collected: 08/06/2012 09:50

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 20:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	1.9	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-5
Client Smp ID: 776VMP0201AG
Inj Date : 22-AUG-2012 20:38
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-5
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	47691	0.51387	0.51
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	179185	3.83120	3.8
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.805	4.811	(0.397)	17324	0.66937	0.67
6 Butane	43	5.072	5.078	(0.420)	63160	1.37972	1.4
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.849	6.860	(0.567)	23779	0.24294	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	6008	0.08779	0.088(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.258	8.269	(0.683)	678914	18.2412	18

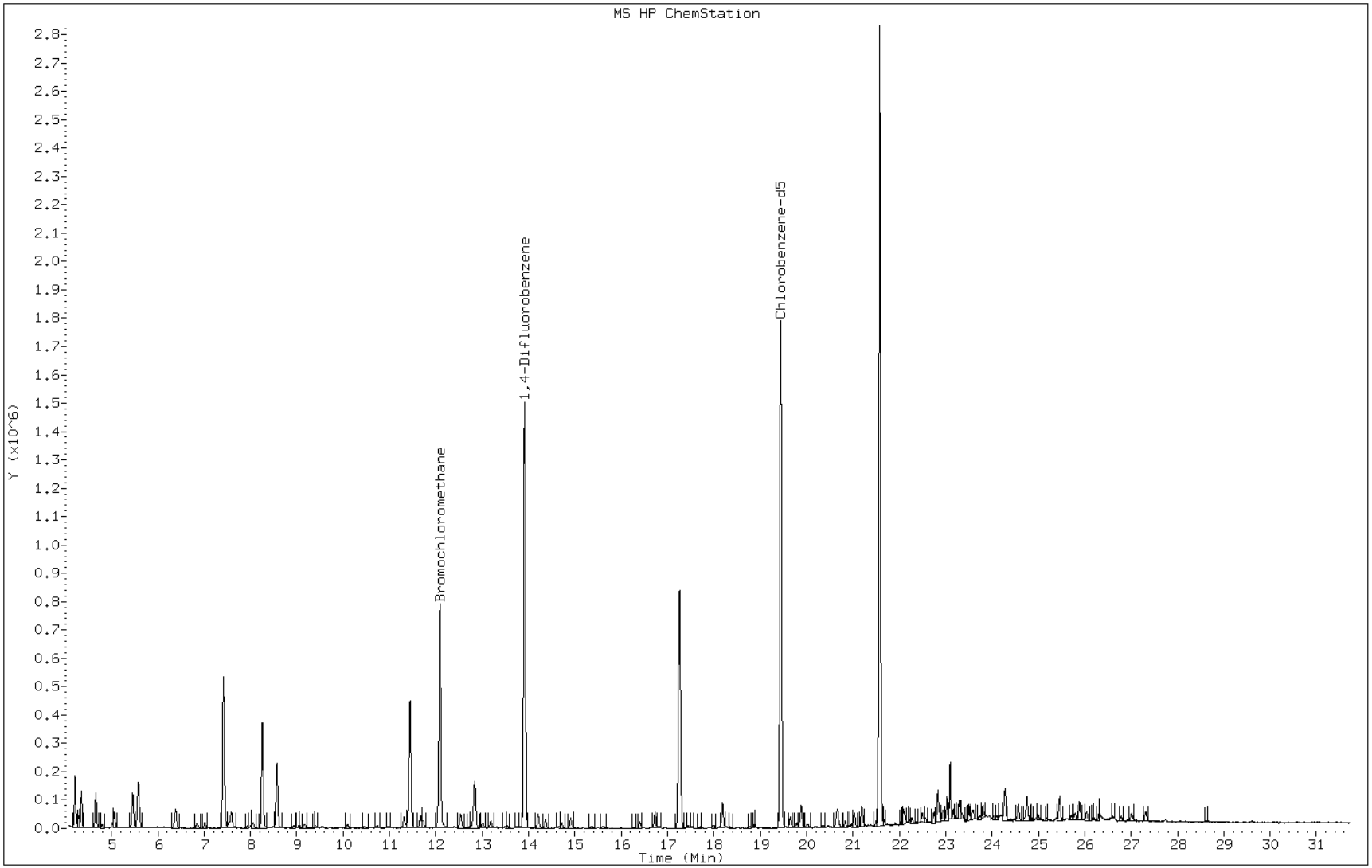
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	11898	0.13187	0.13(a)
	22 Isopropanol	45	8.568	8.573	(0.709)	430655	16.4690	16
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.166	9.177	(0.758)	8440	0.26583	0.27(a)
	26 Tert-butyl alcohol	59	9.401	9.390	(0.778)	16882	0.42444	0.42(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	6212	0.12144	0.12(aQ)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.966)	20442	1.44550	1.4(Q)
*	37 Bromochloromethane	128	12.090	12.096	(1.000)	338012	10.0000	
	38 Tetrahydrofuran	42	12.138	12.139	(0.872)	11619	0.38856	0.39(a)
	39 Chloroform	83	12.202	12.213	(1.009)	3380	0.04476	0.045(a)
	40 Cyclohexane	84	12.539	12.544	(0.901)	32504	0.60921	0.61
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.768	12.784	(0.918)	10154	0.11077	0.11(aQM)
	43 2,2,4-Trimethylpentane	57	13.190	13.201	(0.948)	20288	0.12092	0.12(a)
	44 Benzene	78	13.184	13.190	(0.947)	15304	0.13585	0.14(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.531	13.542	(0.972)	6234	0.10396	0.10(aQ)
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1902144	10.0000	
	49 Trichloroethene	95	14.375	14.375	(1.033)	13606	0.25662	0.26
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	24818	0.46660	0.47(a)
	58 Toluene	92	16.733	16.734	(0.861)	38587	0.45763	0.46
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.988	17.993	(0.925)	12237	0.24915	0.25(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	1758847	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.010)	44941	0.25339	0.25
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	40343	0.54599	0.55
M	70 Xylenes, Total	106				53863	0.73498	0.73
	71 Xylene (o)	106	20.640	20.646	(1.061)	13520	0.18899	0.19(a)
	72 Styrene	104	20.672	20.678	(1.063)	41922	0.41439	0.41
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.737	22.748	(1.169)	15301	0.09154	0.092(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.170	23.170	(1.192)	15531	0.07494	0.075(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.002	27.012	(1.389)	35034	0.36047	0.36(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg011.d	Date:	22-AUG-2012 20:38
Client ID:	776VMP0201AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-5		
Lab Sample ID:	280-32071-5		



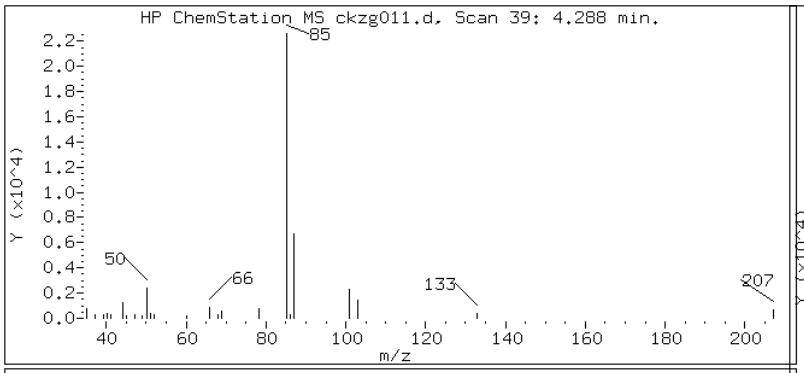
Data File: ckzg011.d

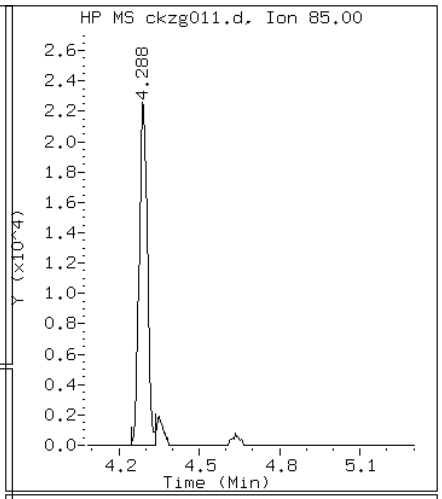
Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

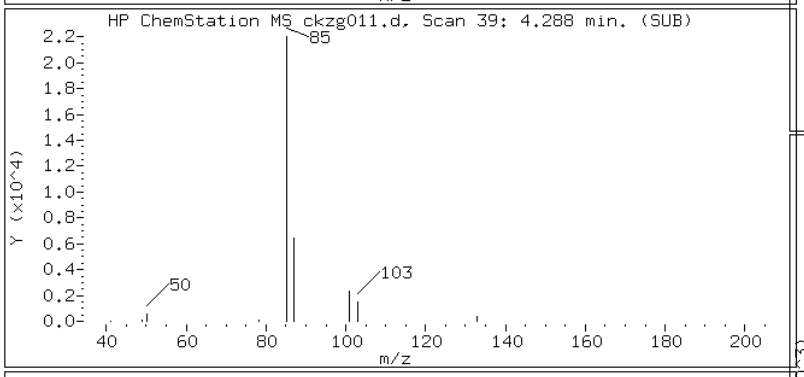
Client ID: 776VMP0201AG Instrument: C.i

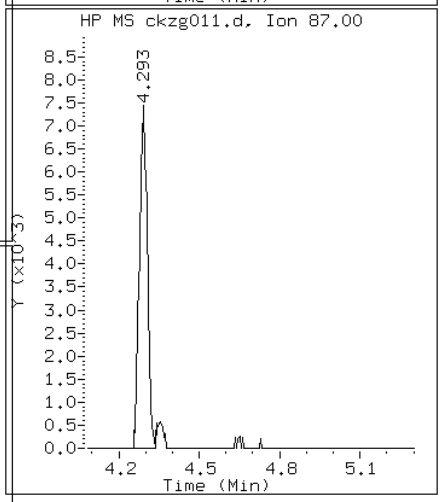
Sample Info: 280-32071-A-5 Operator: pad

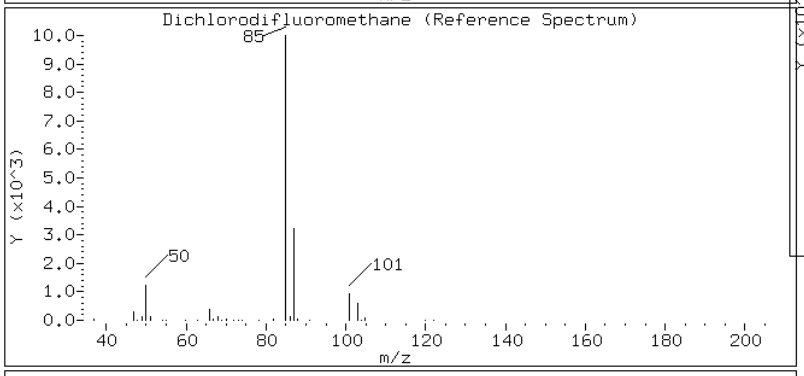
2 Dichlorodifluoromethane

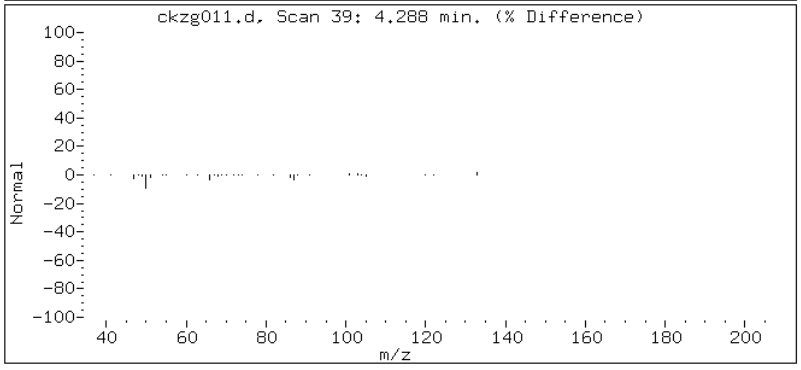












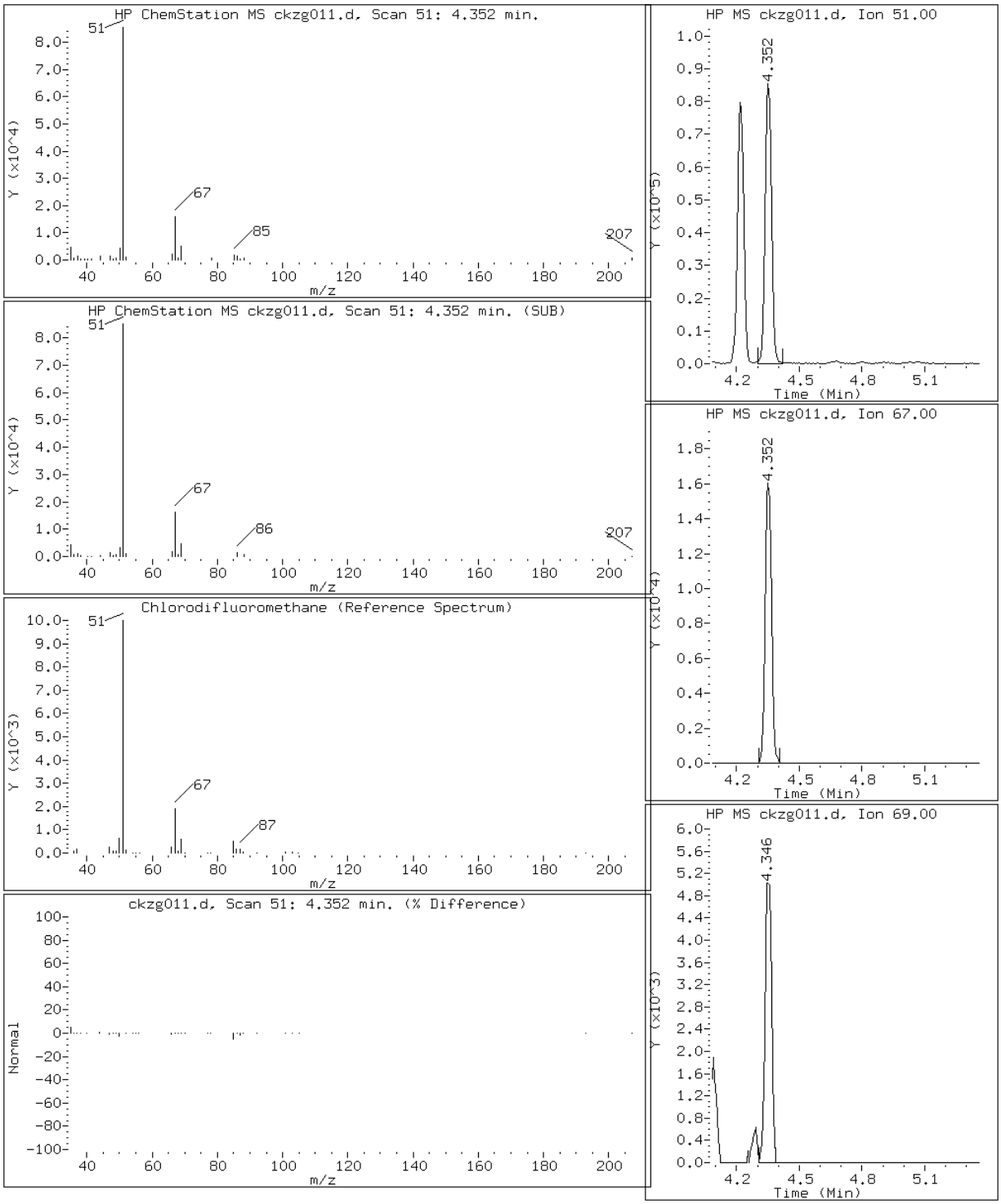
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

3 Chlorodifluoromethane



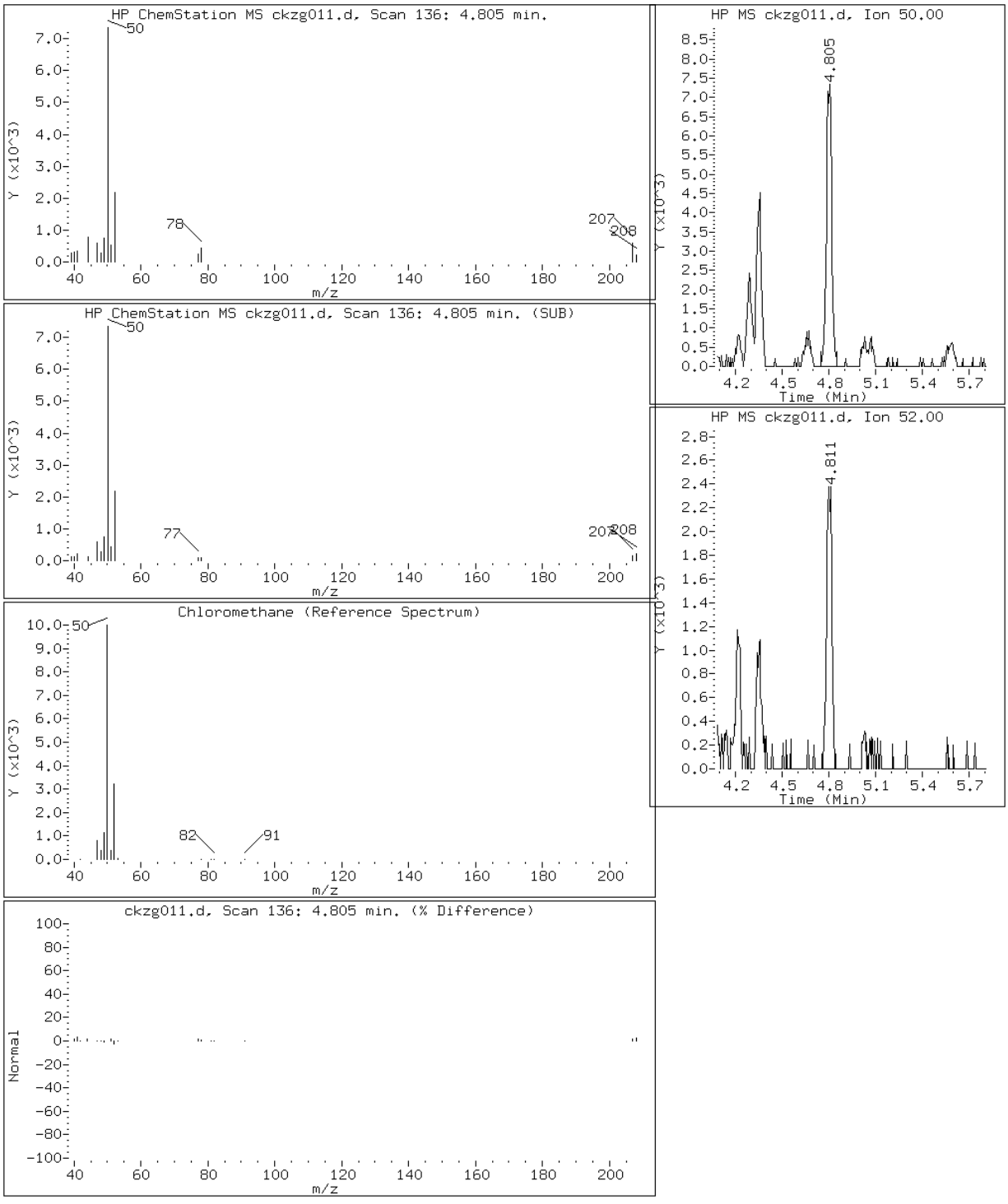
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

5 Chloromethane



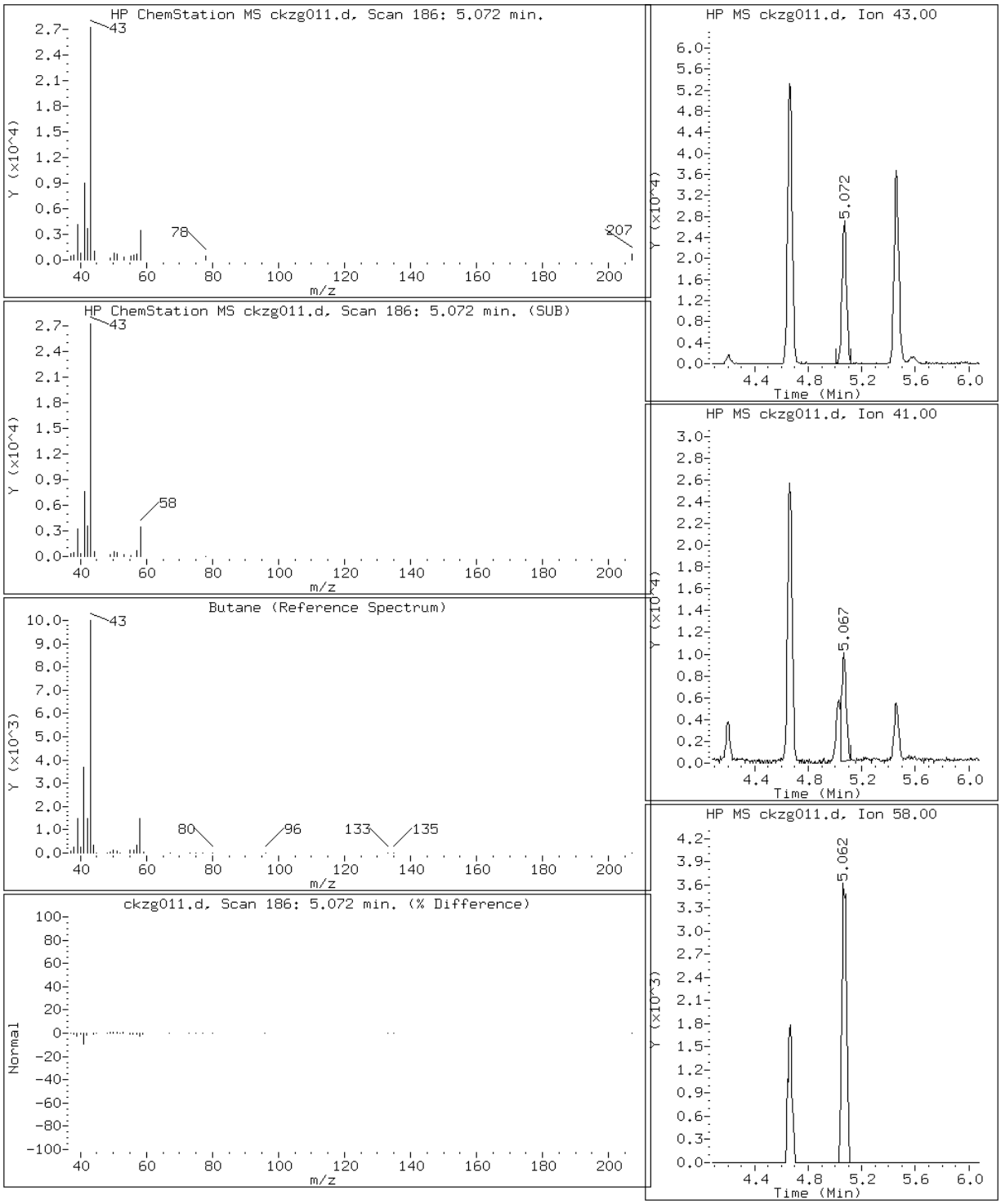
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

6 Butane



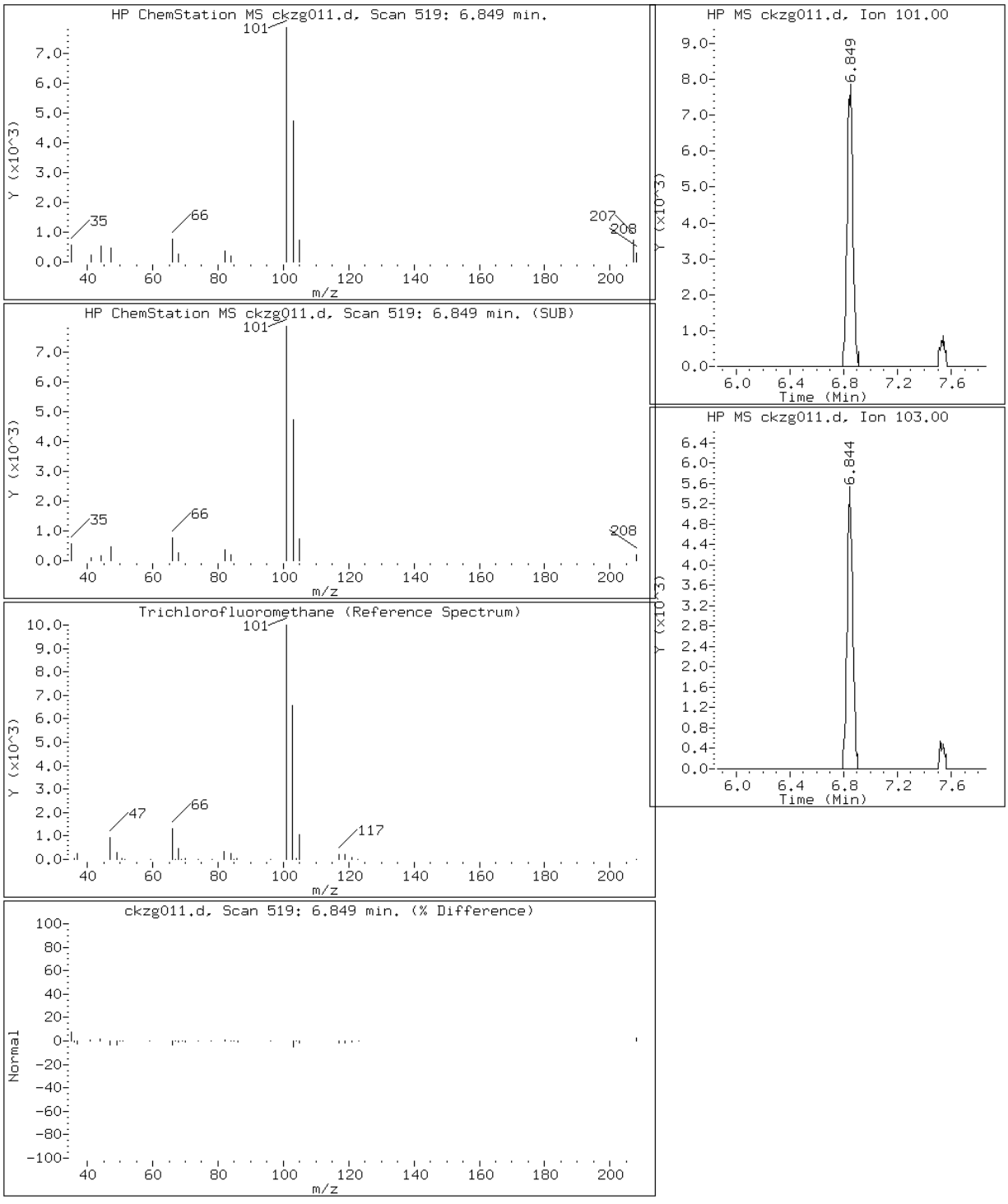
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

13 Trichlorofluoromethane



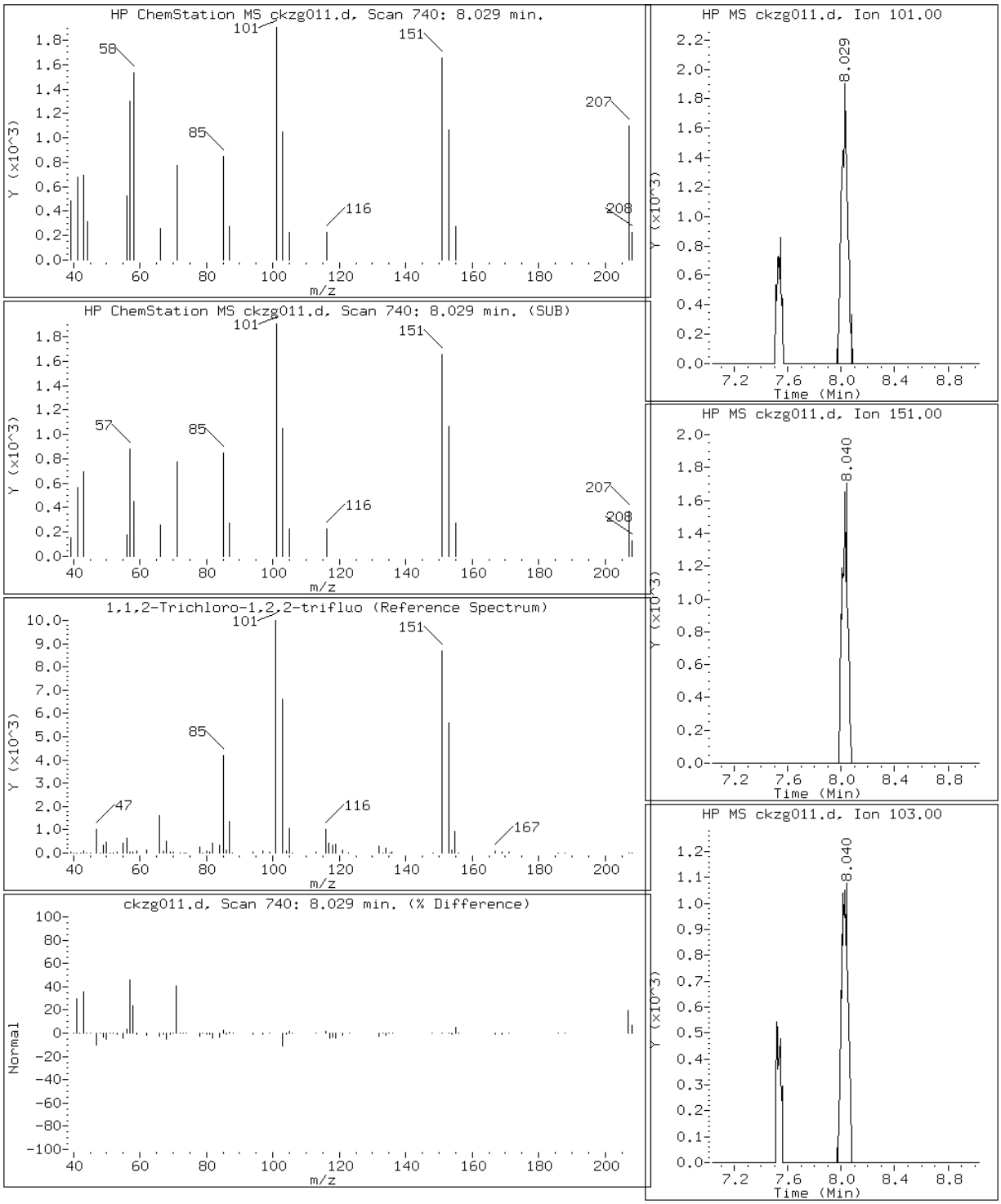
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



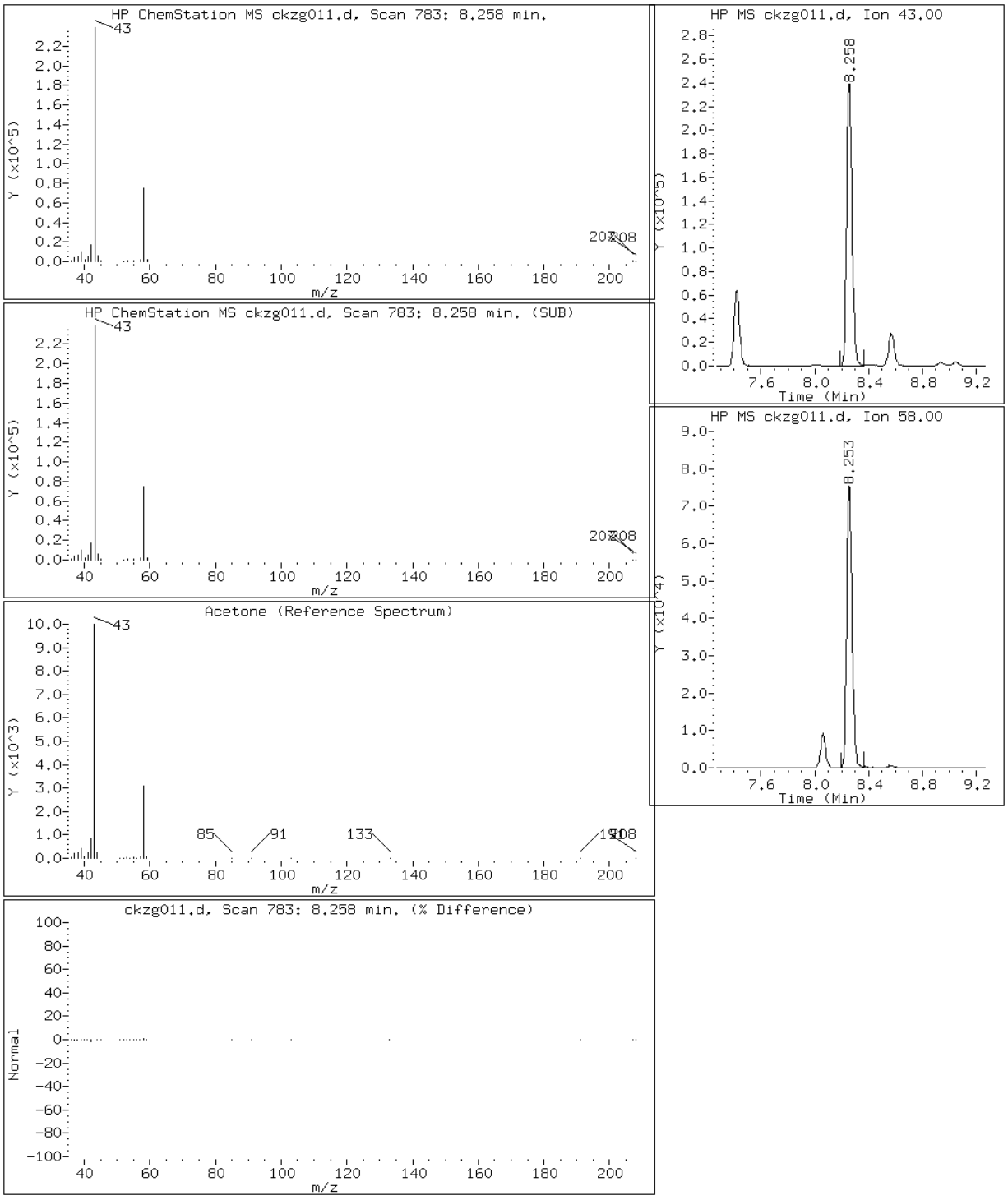
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

20 Acetone



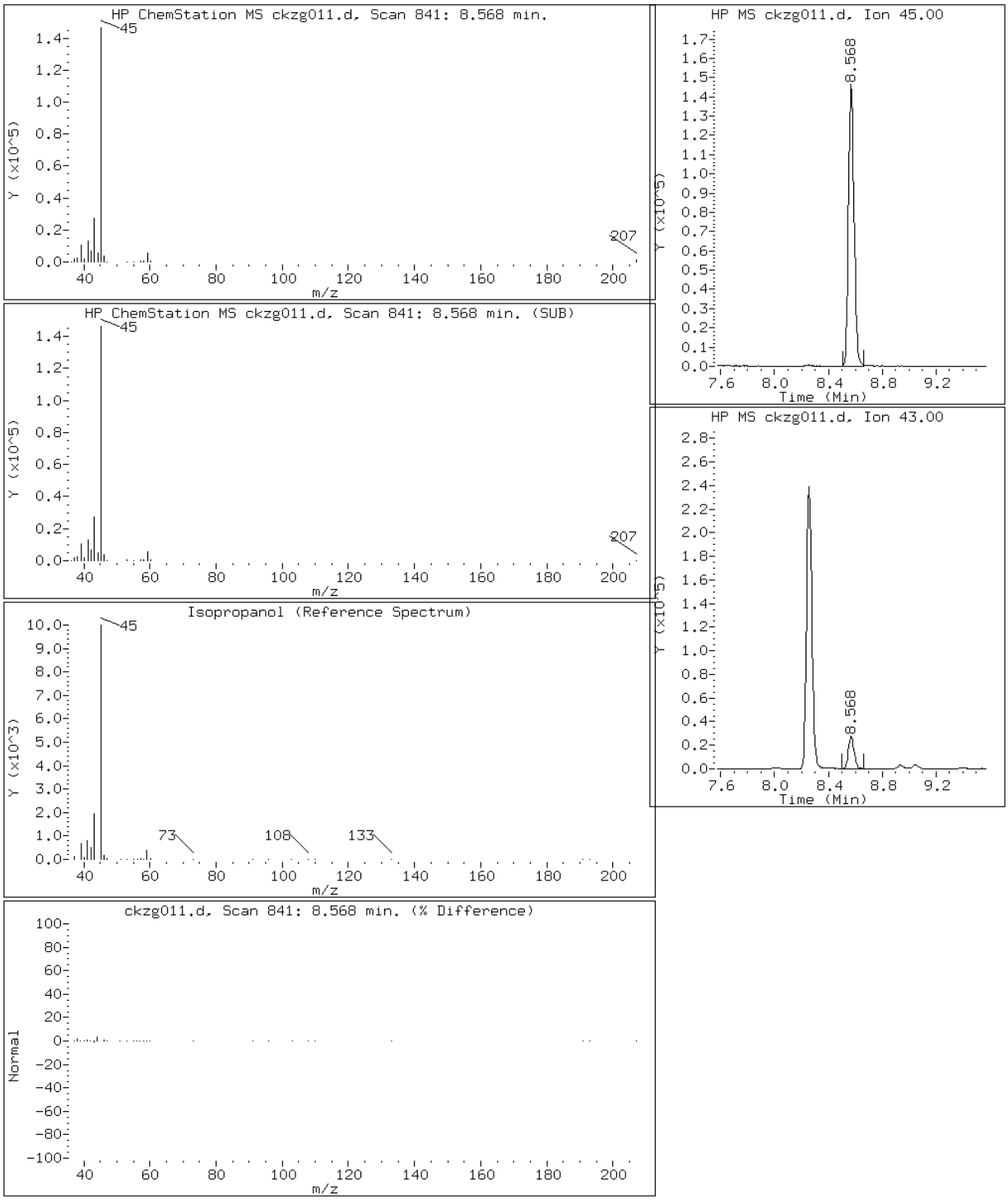
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

22 Isopropanol



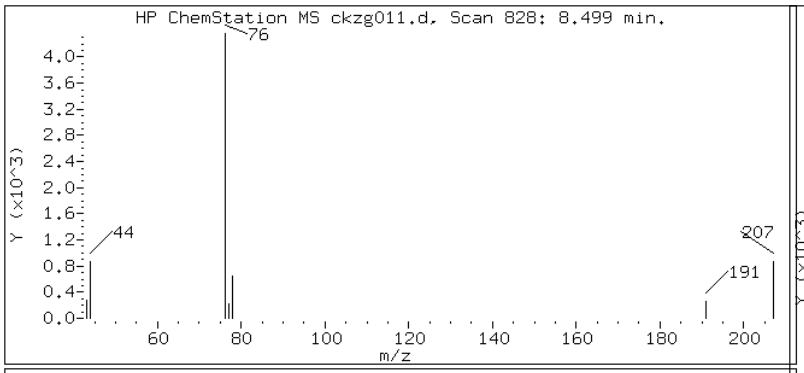
Data File: ckzg011.d

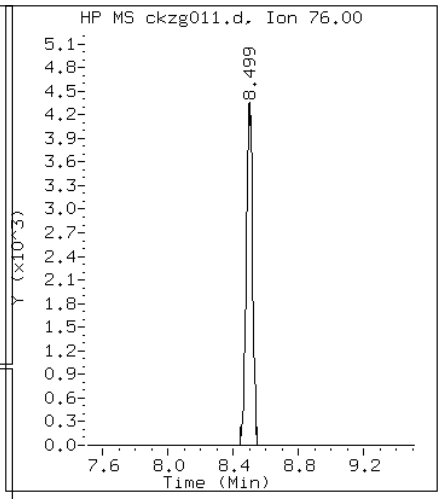
Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

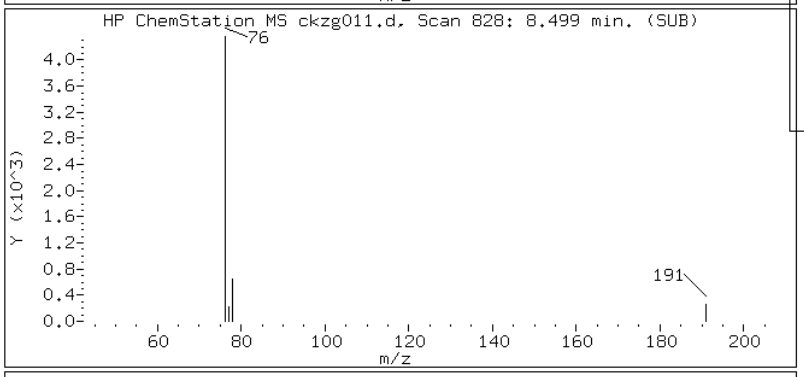
Client ID: 776VMP0201AG Instrument: C.i

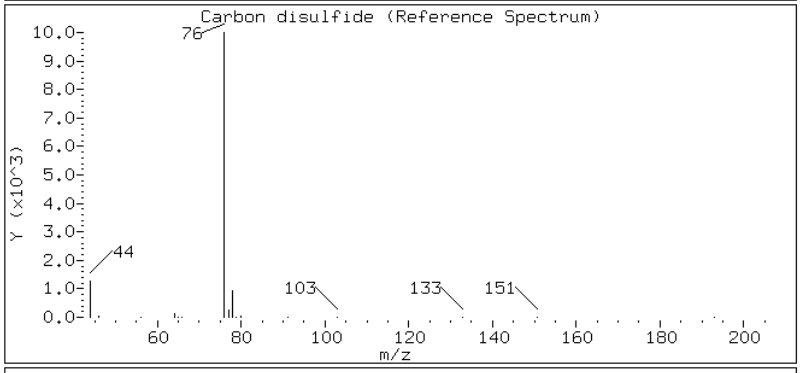
Sample Info: 280-32071-A-5 Operator: pad

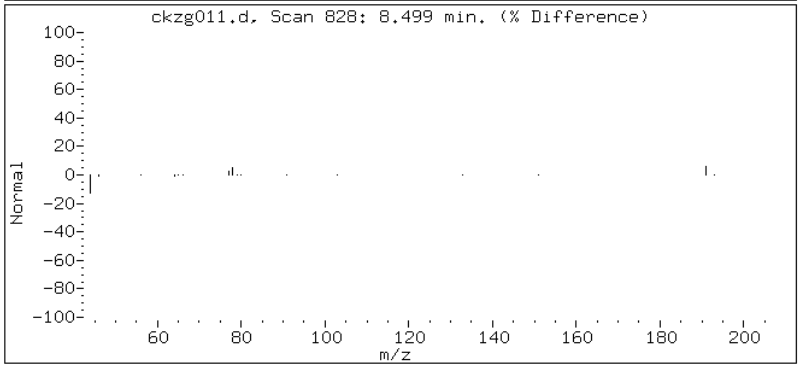
21 Carbon disulfide











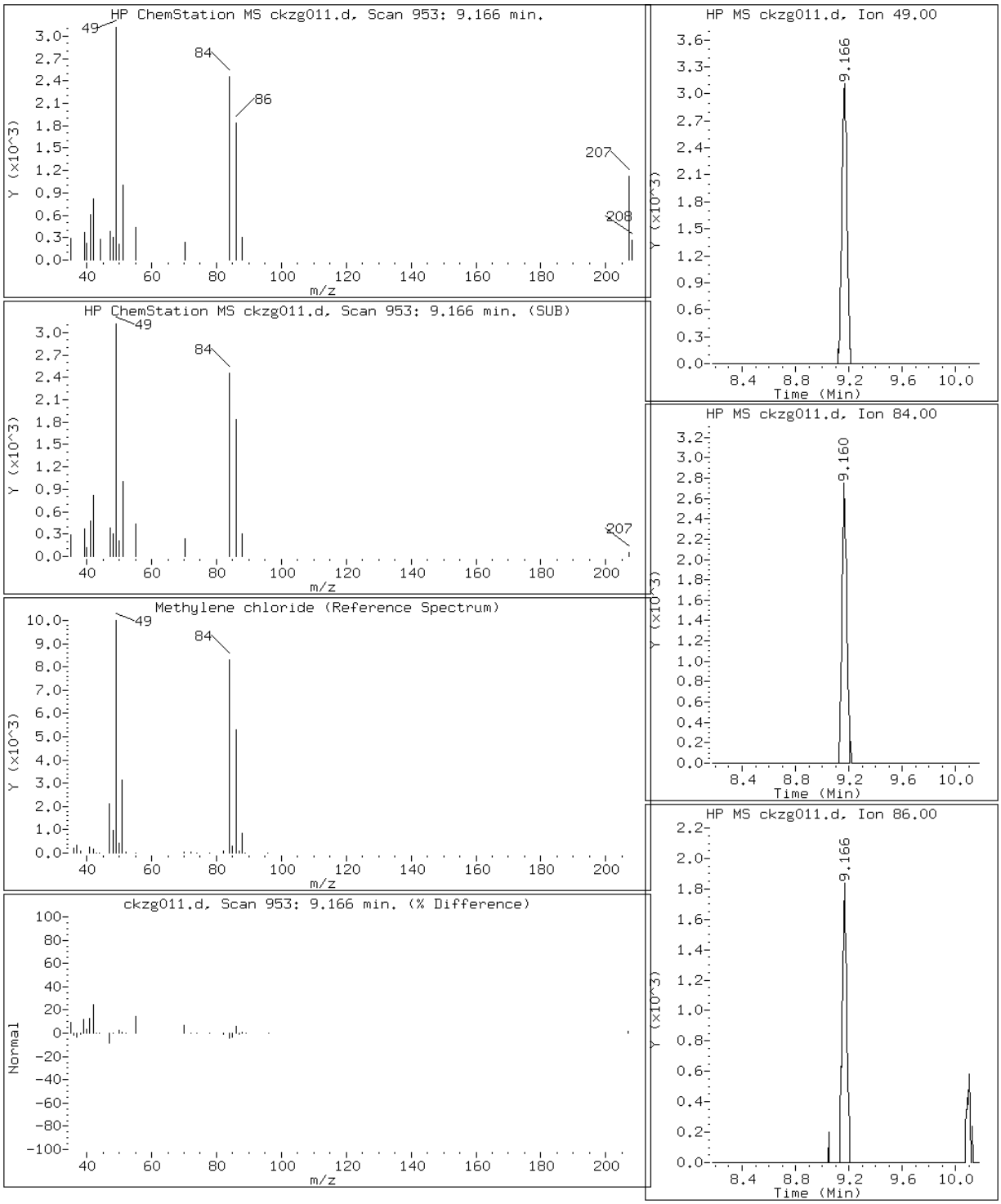
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

25 Methylene chloride



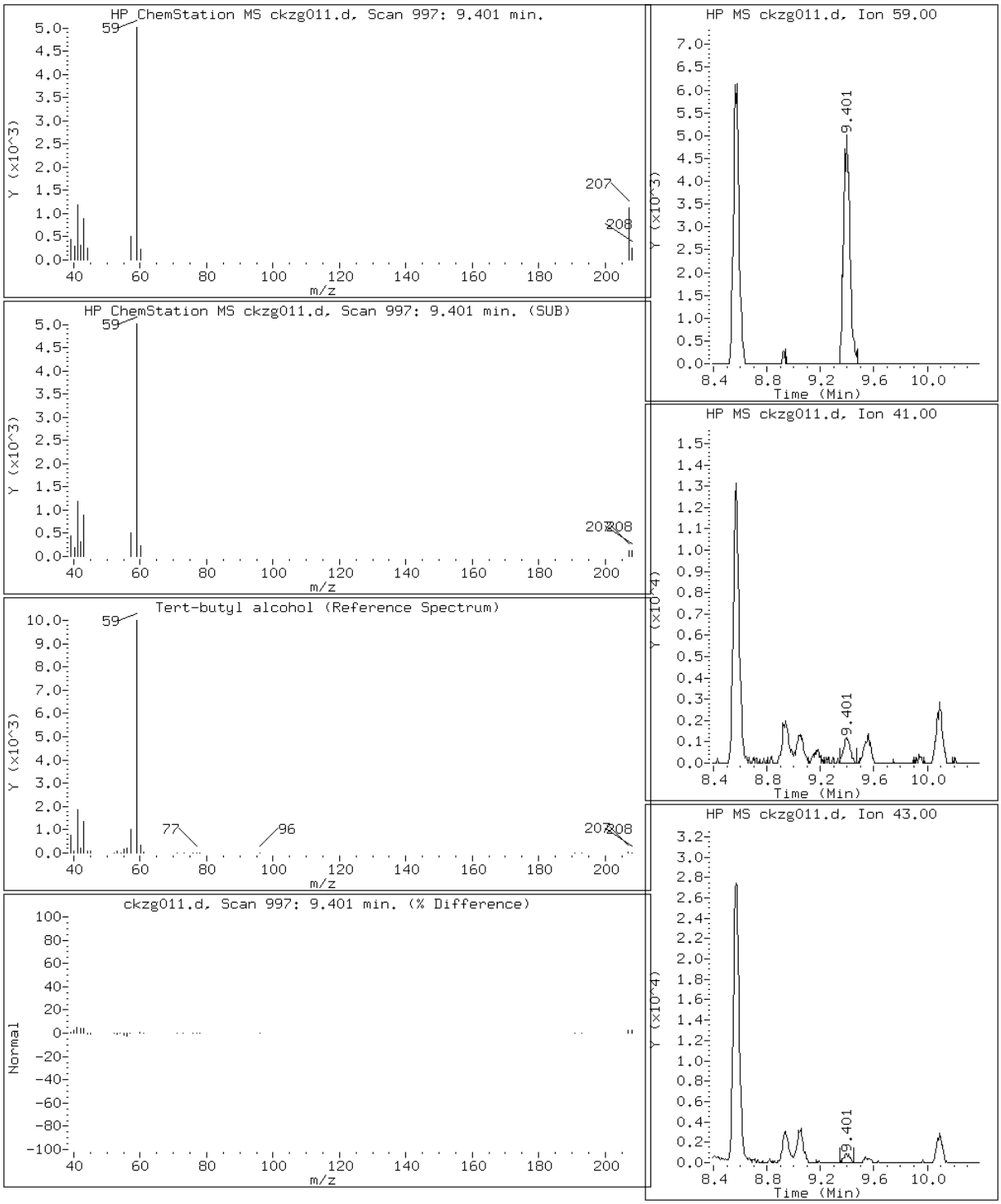
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

26 Tert-butyl alcohol



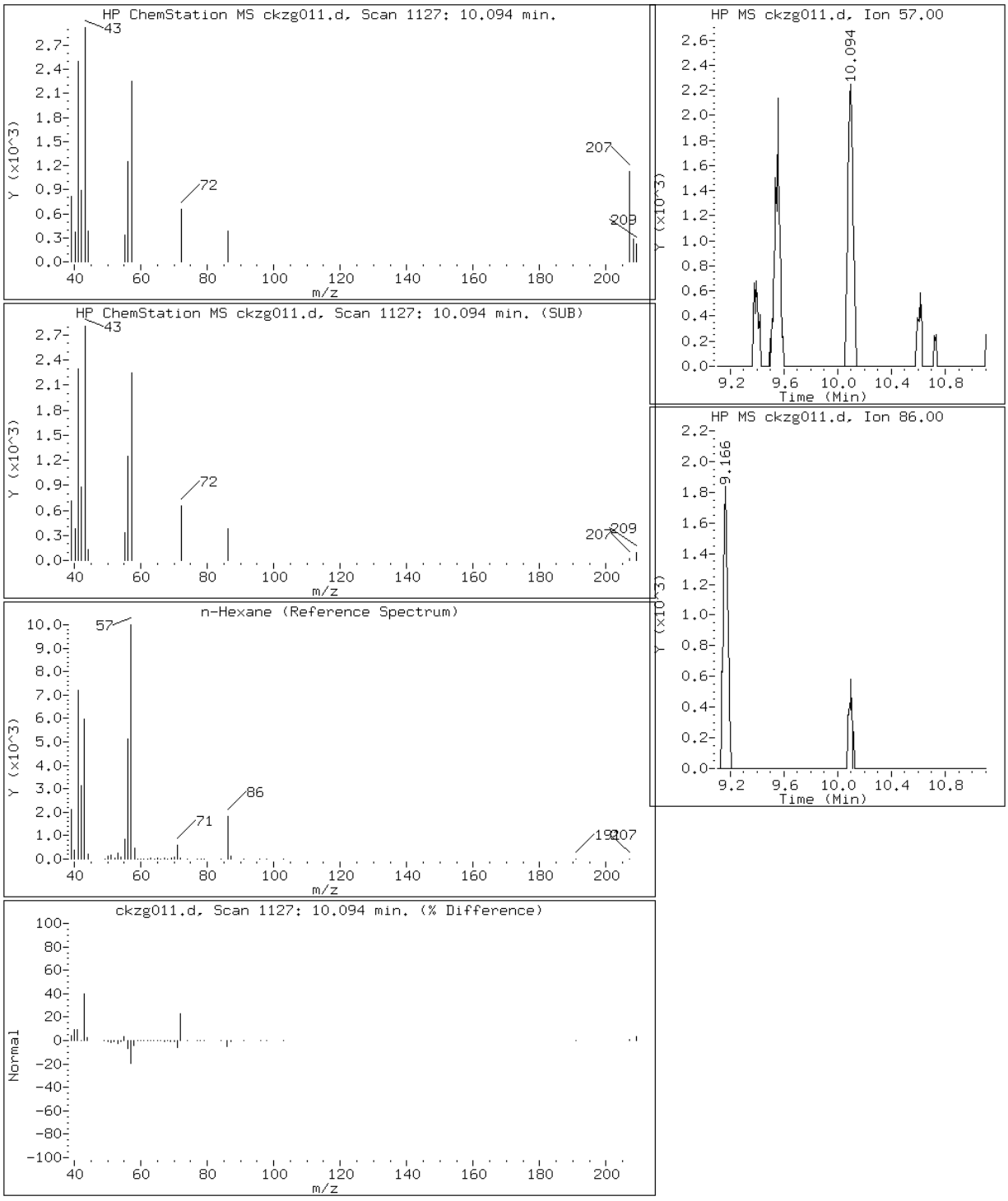
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

30 n-Hexane



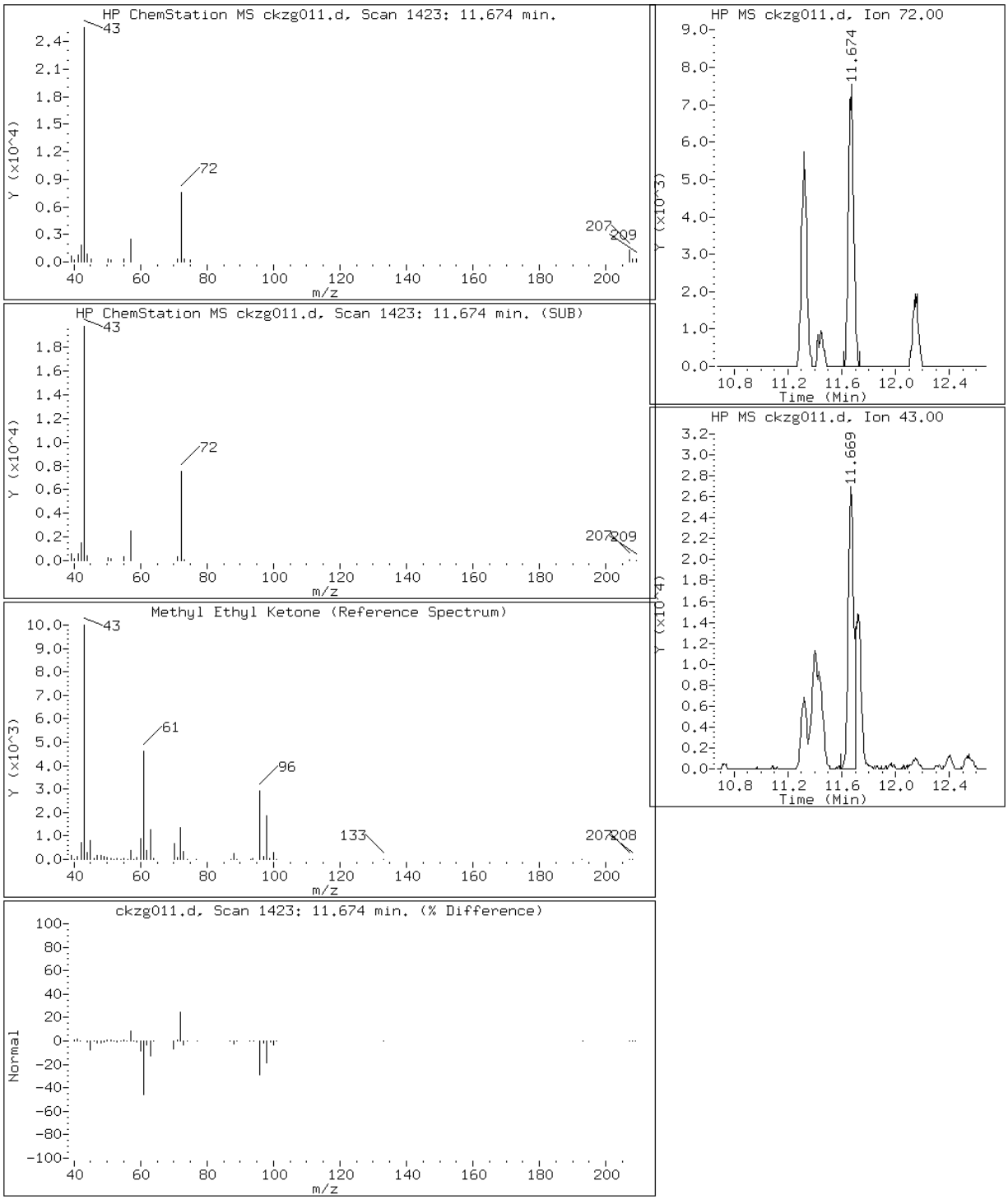
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

36 Methyl Ethyl Ketone



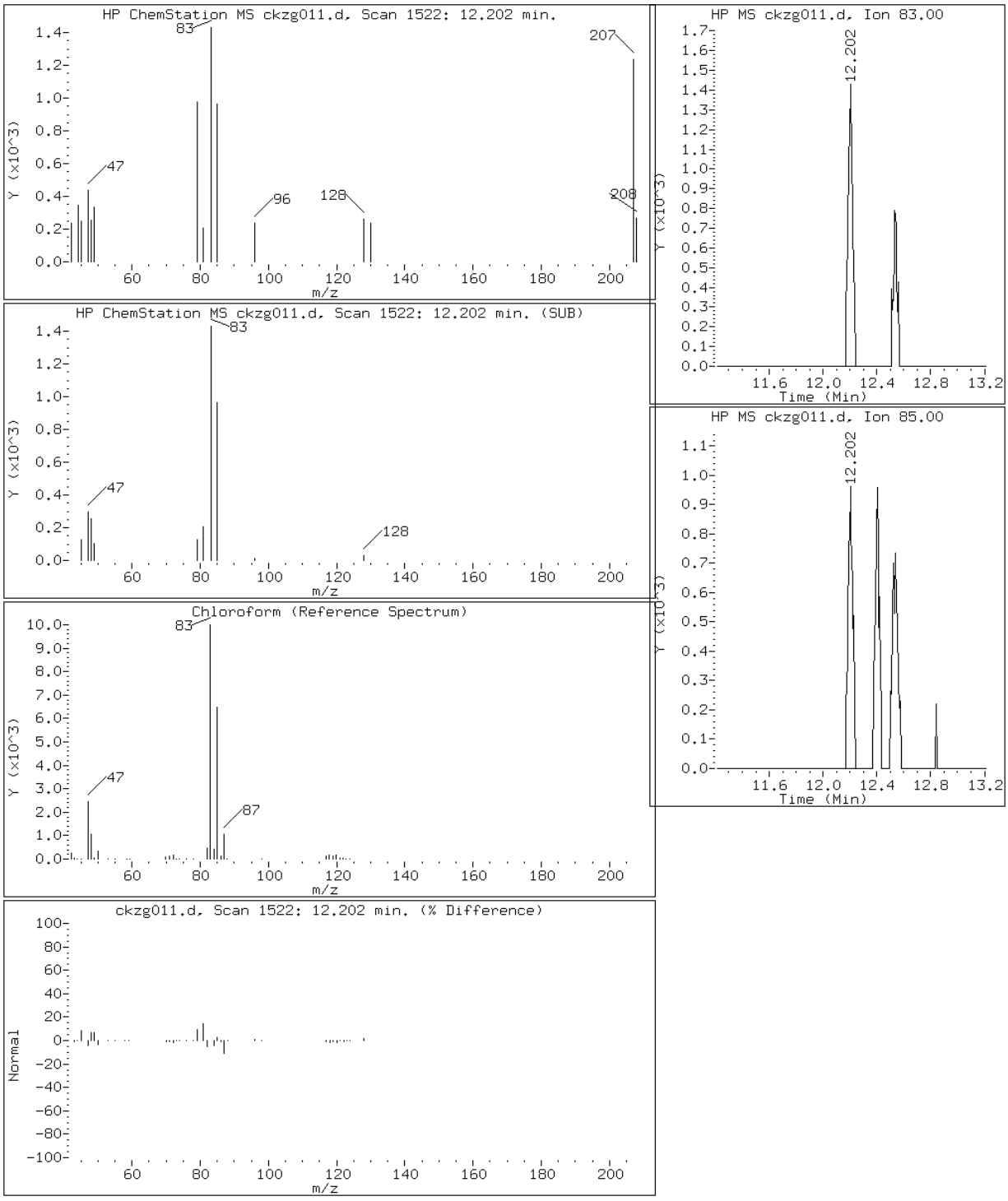
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

39 Chloroform



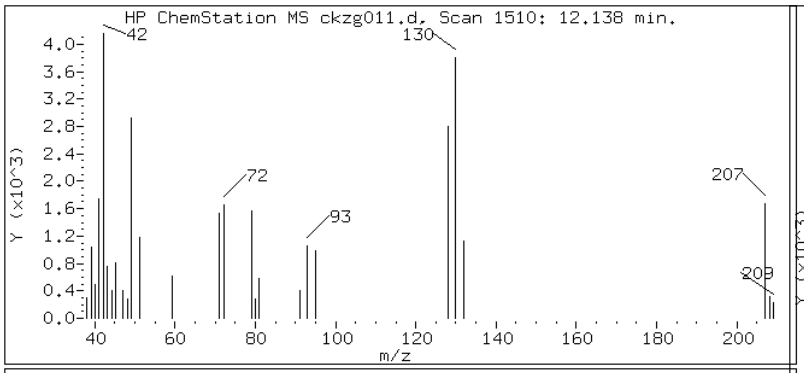
Data File: ckzg011.d

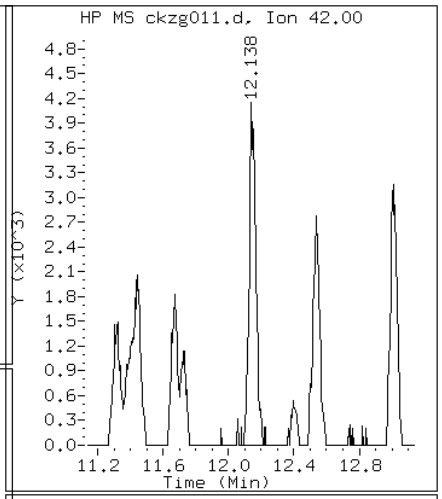
Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

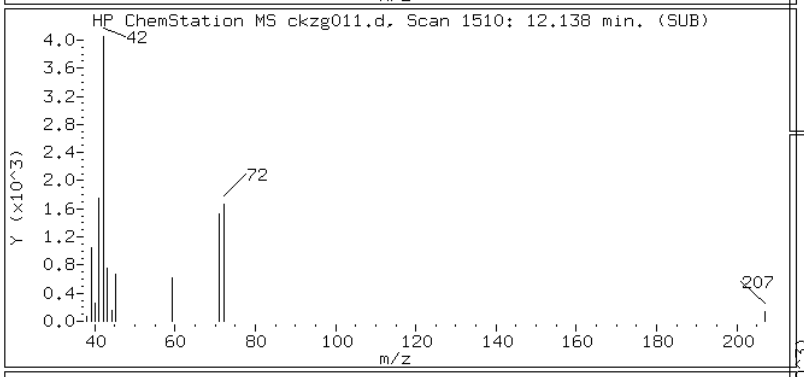
Client ID: 776VMP0201AG Instrument: C.i

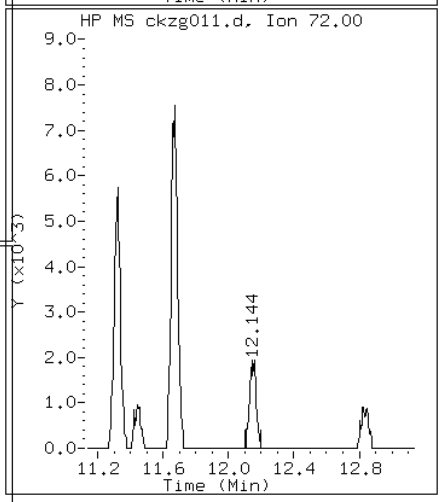
Sample Info: 280-32071-A-5 Operator: pad

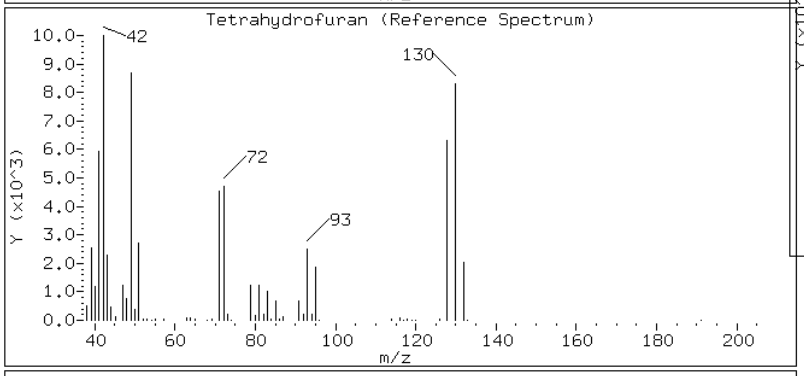
38 Tetrahydrofuran

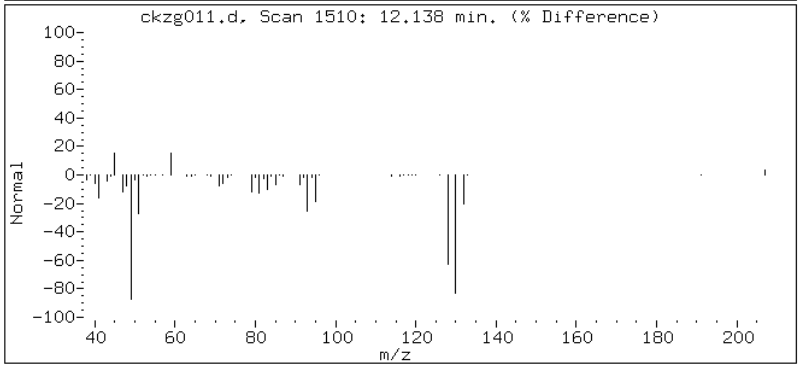












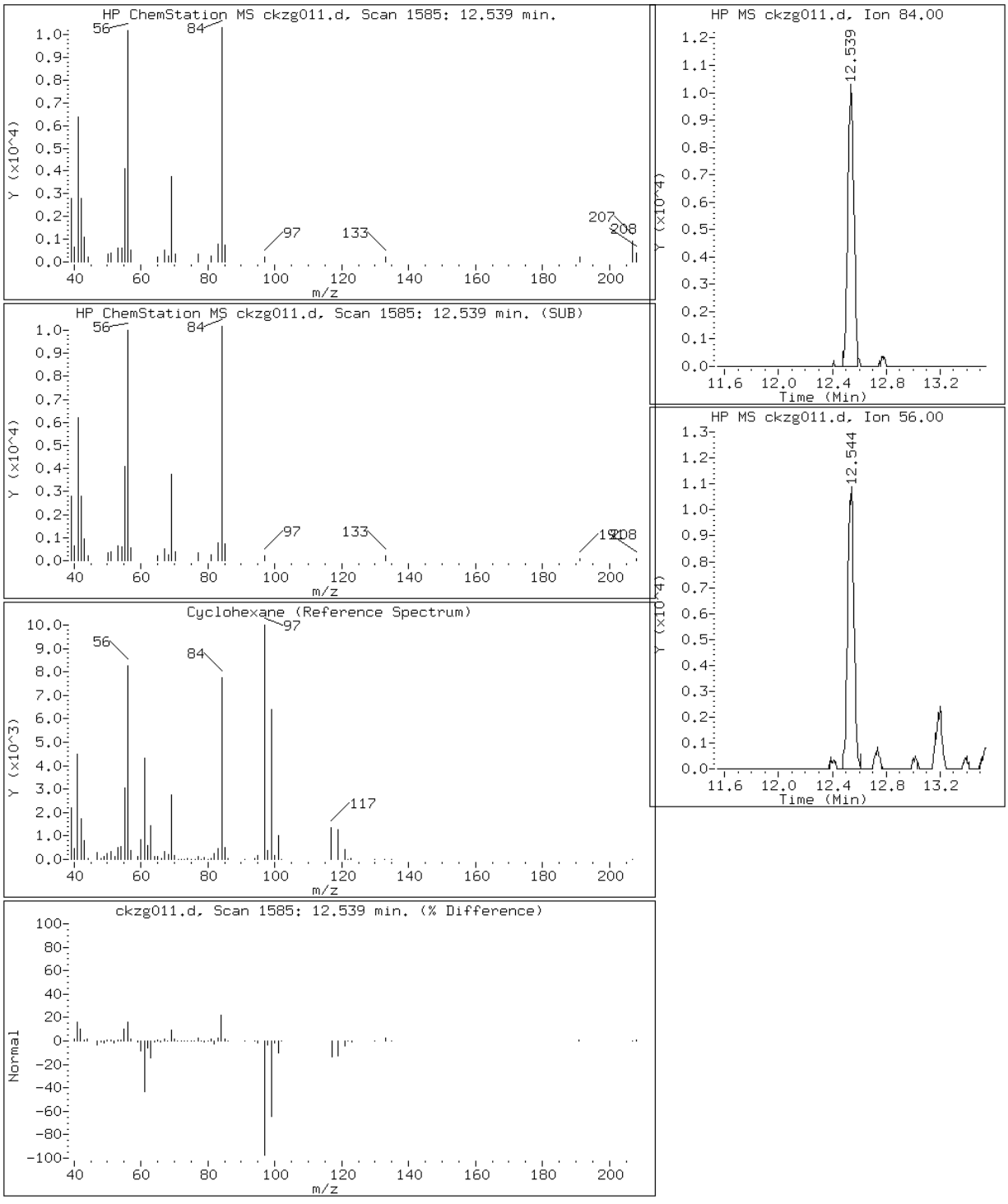
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

40 Cyclohexane



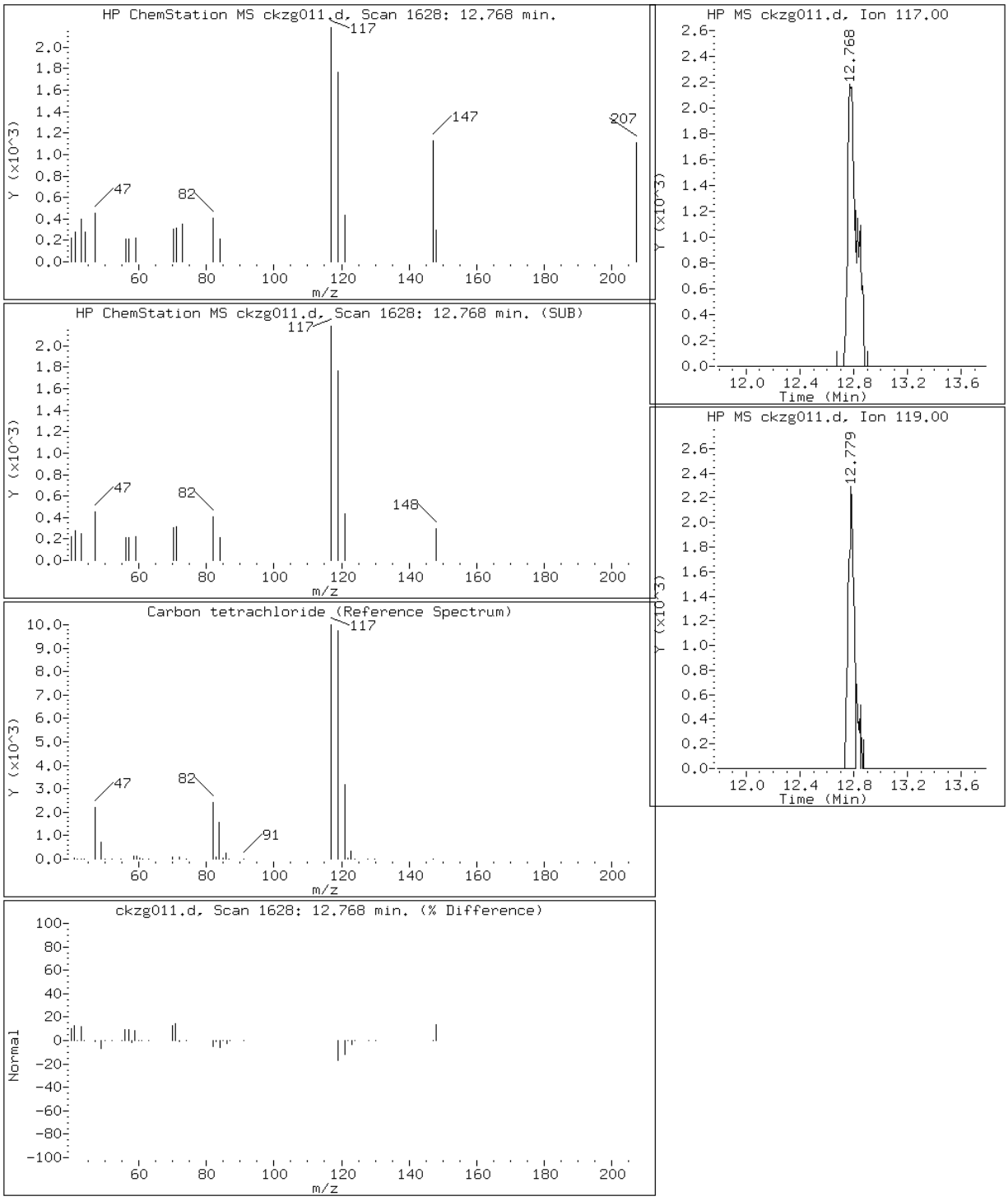
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

42 Carbon tetrachloride



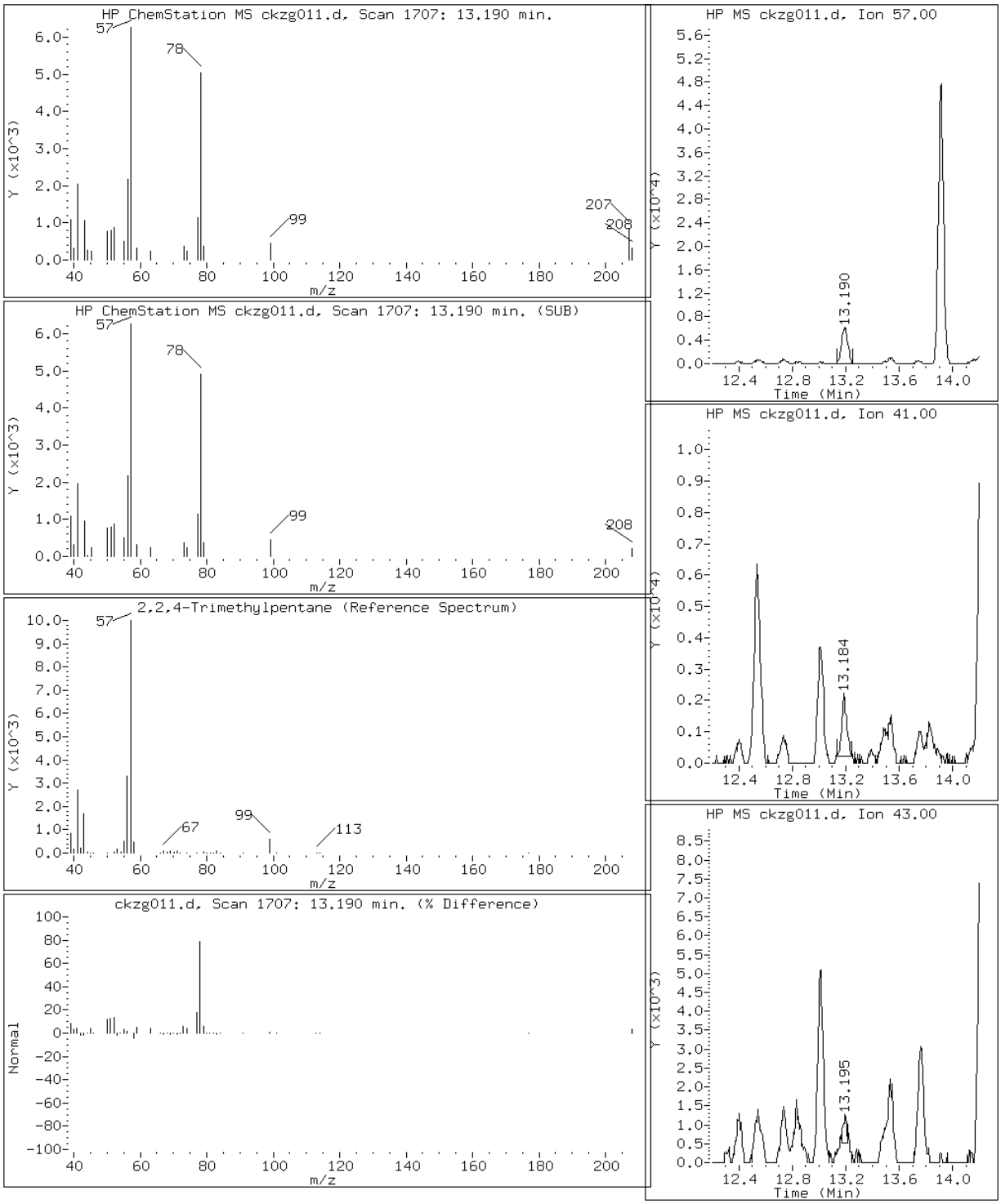
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

43 2,2,4-Trimethylpentane



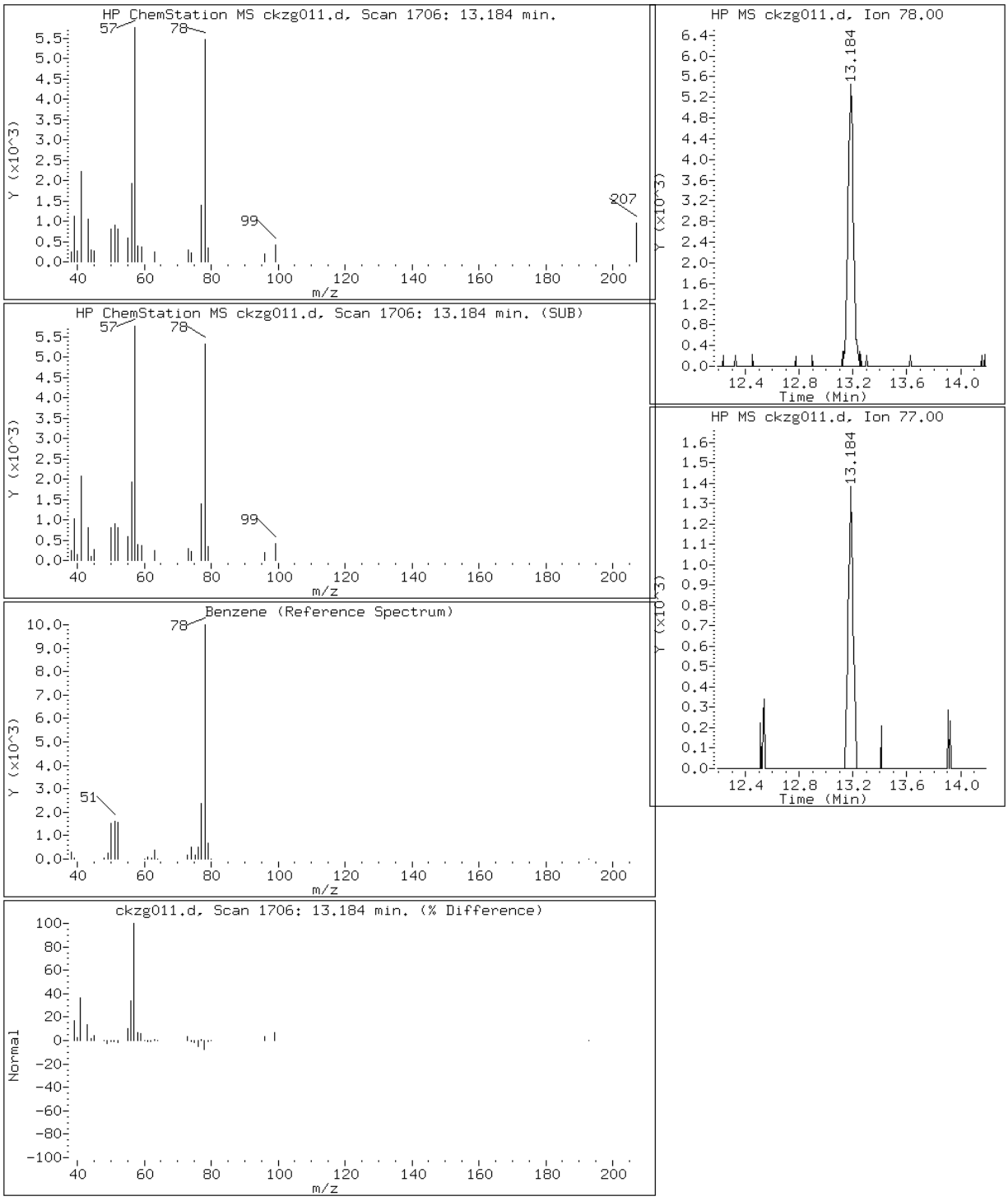
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

44 Benzene



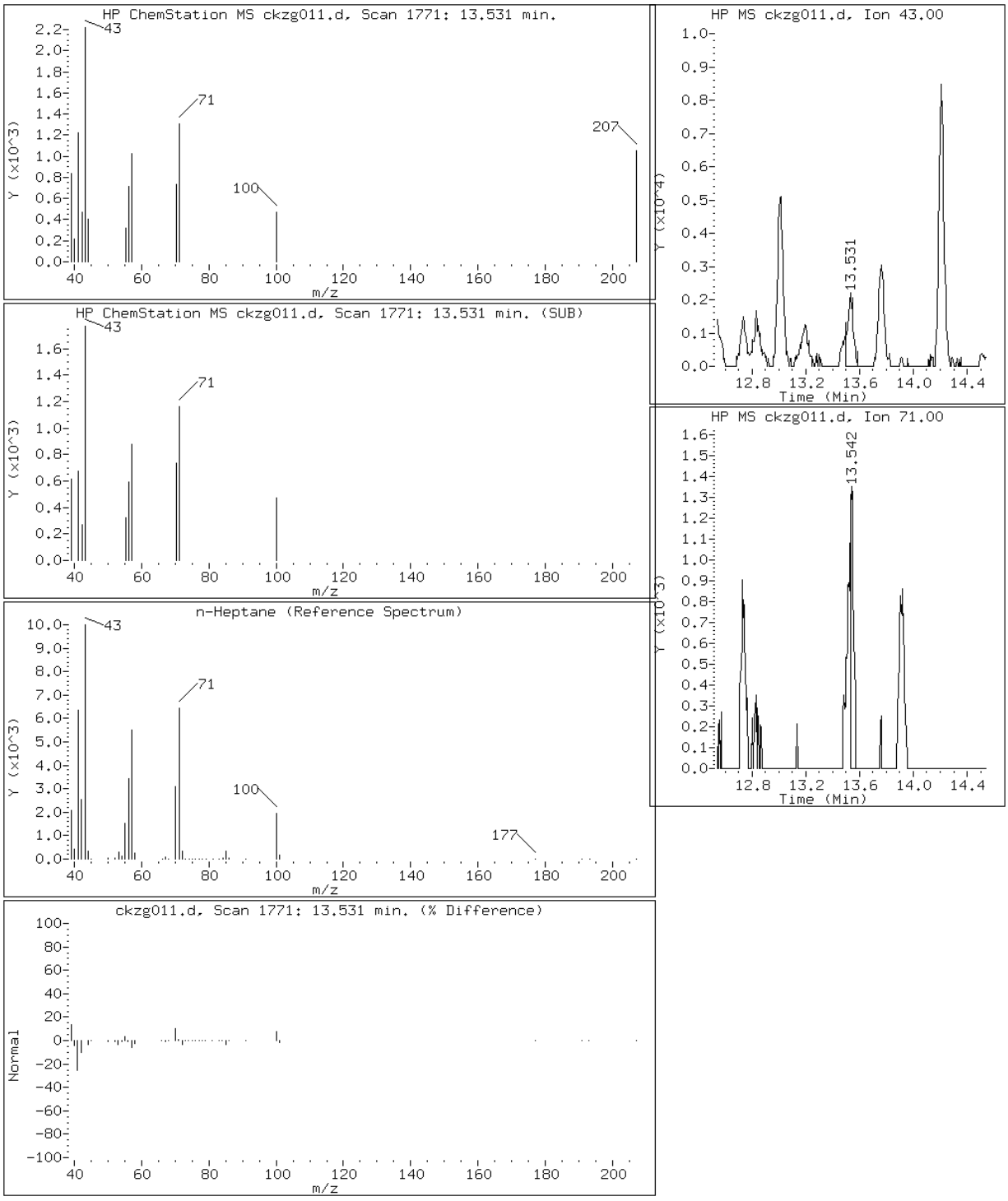
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

46 n-Heptane



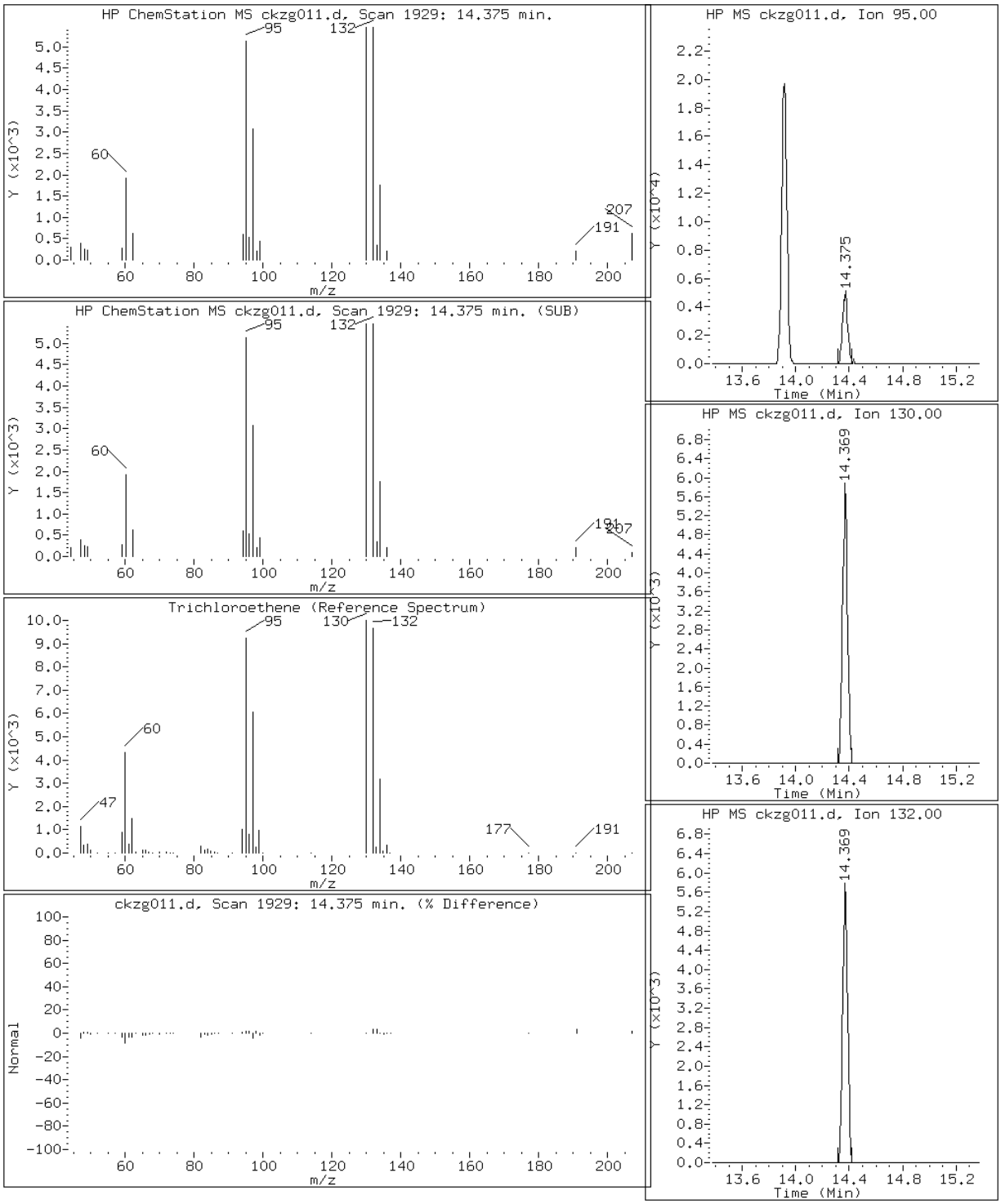
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

49 Trichloroethene



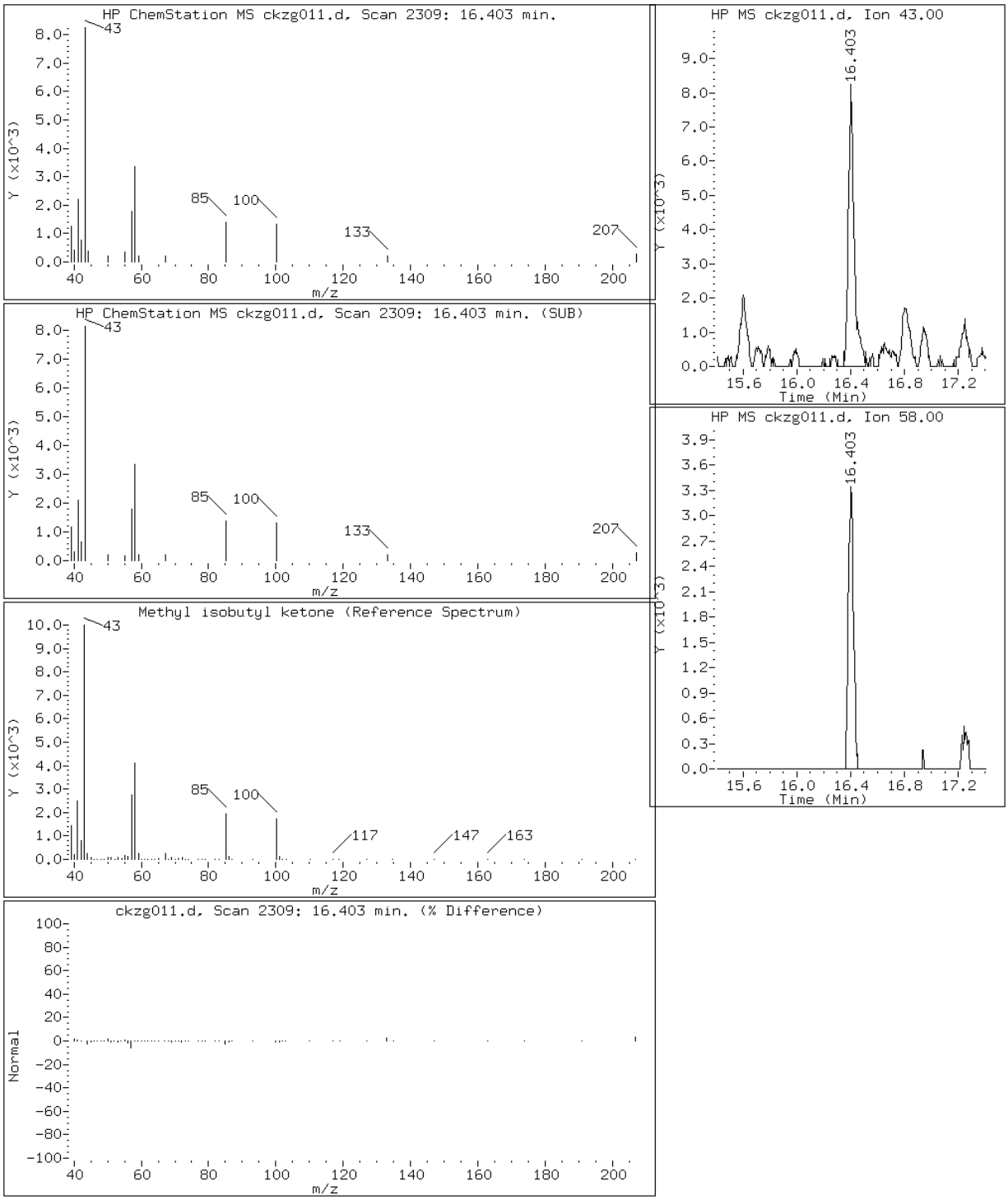
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

56 Methyl isobutyl ketone



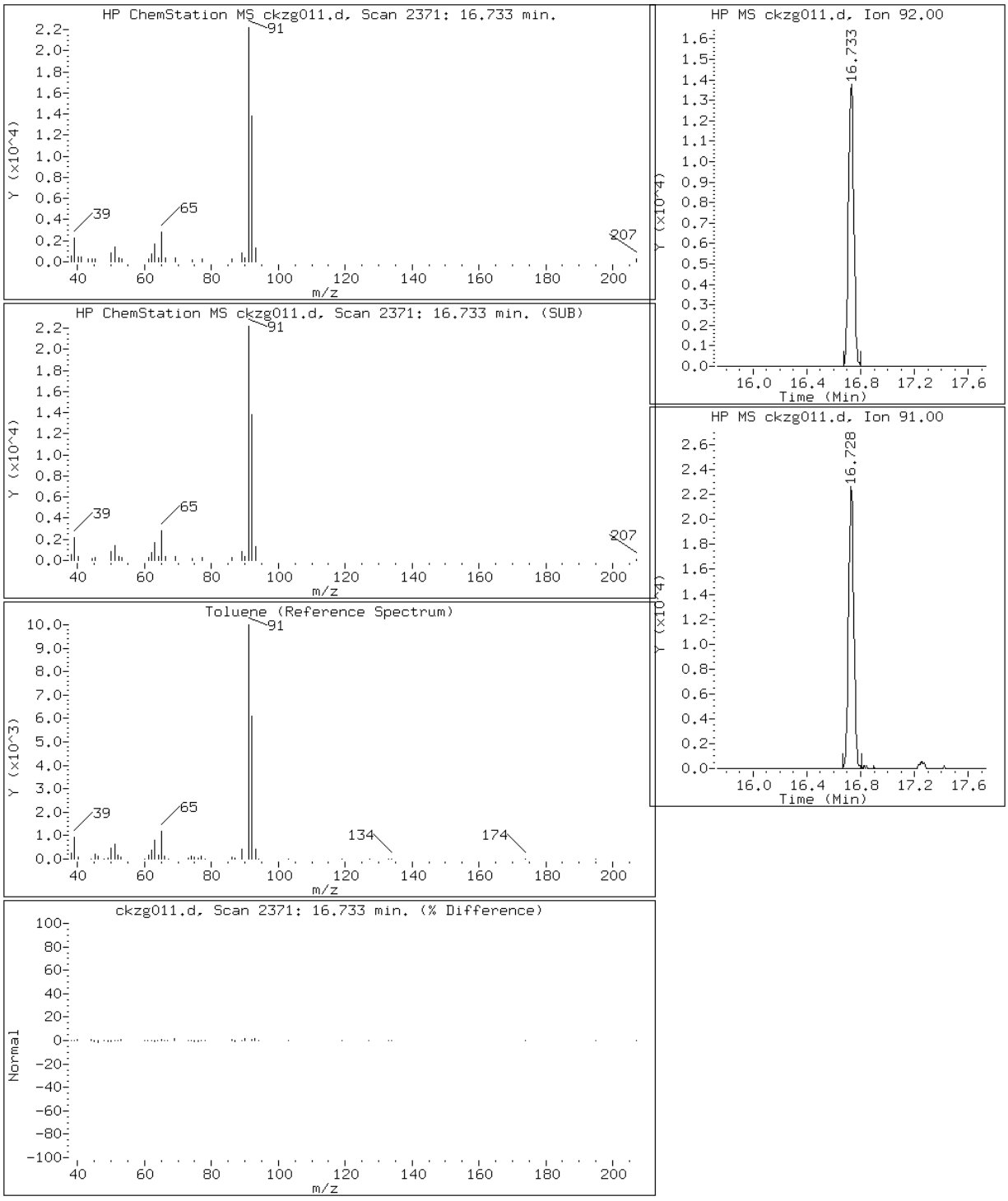
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

58 Toluene



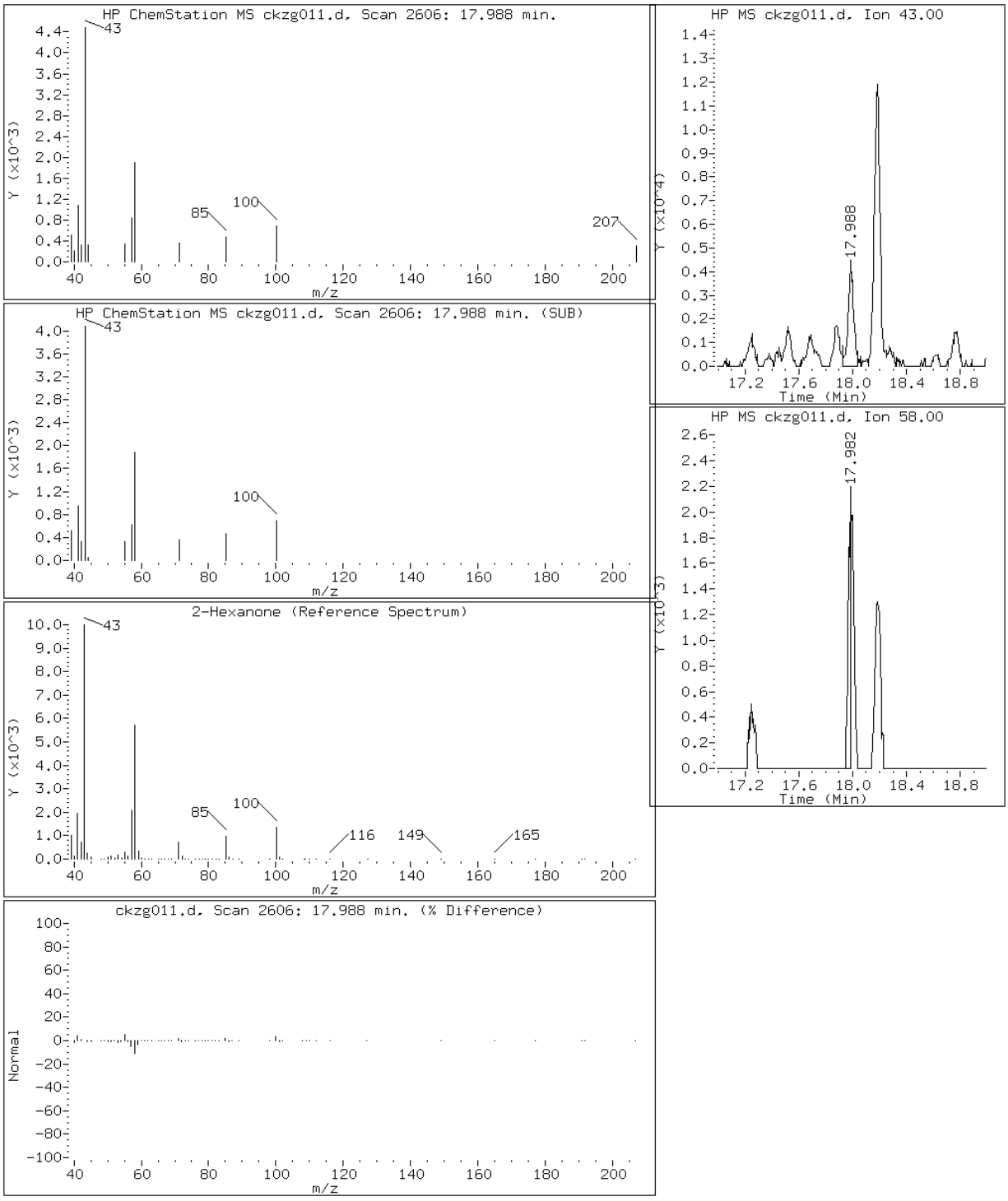
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

62 2-Hexanone



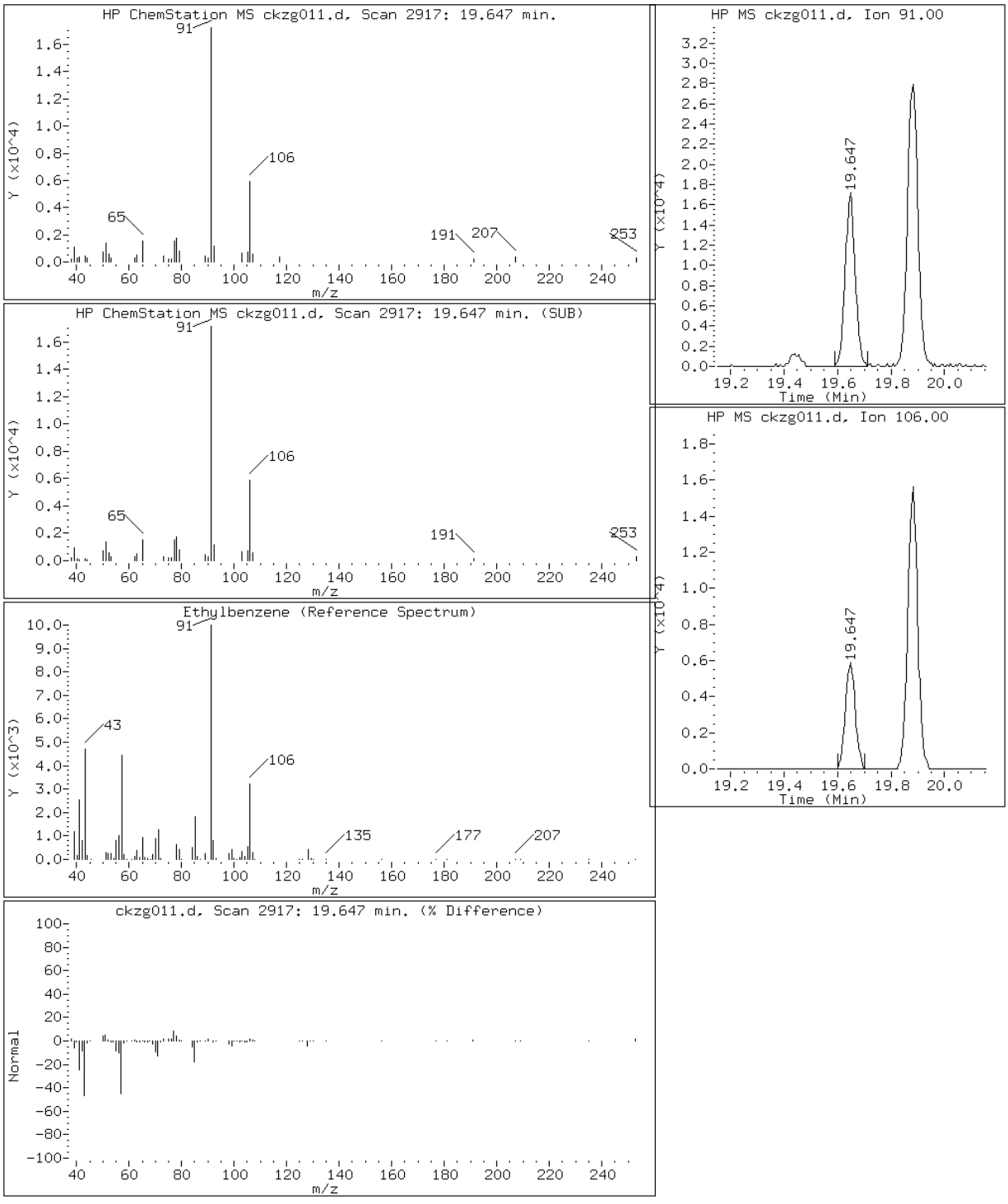
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

68 Ethylbenzene



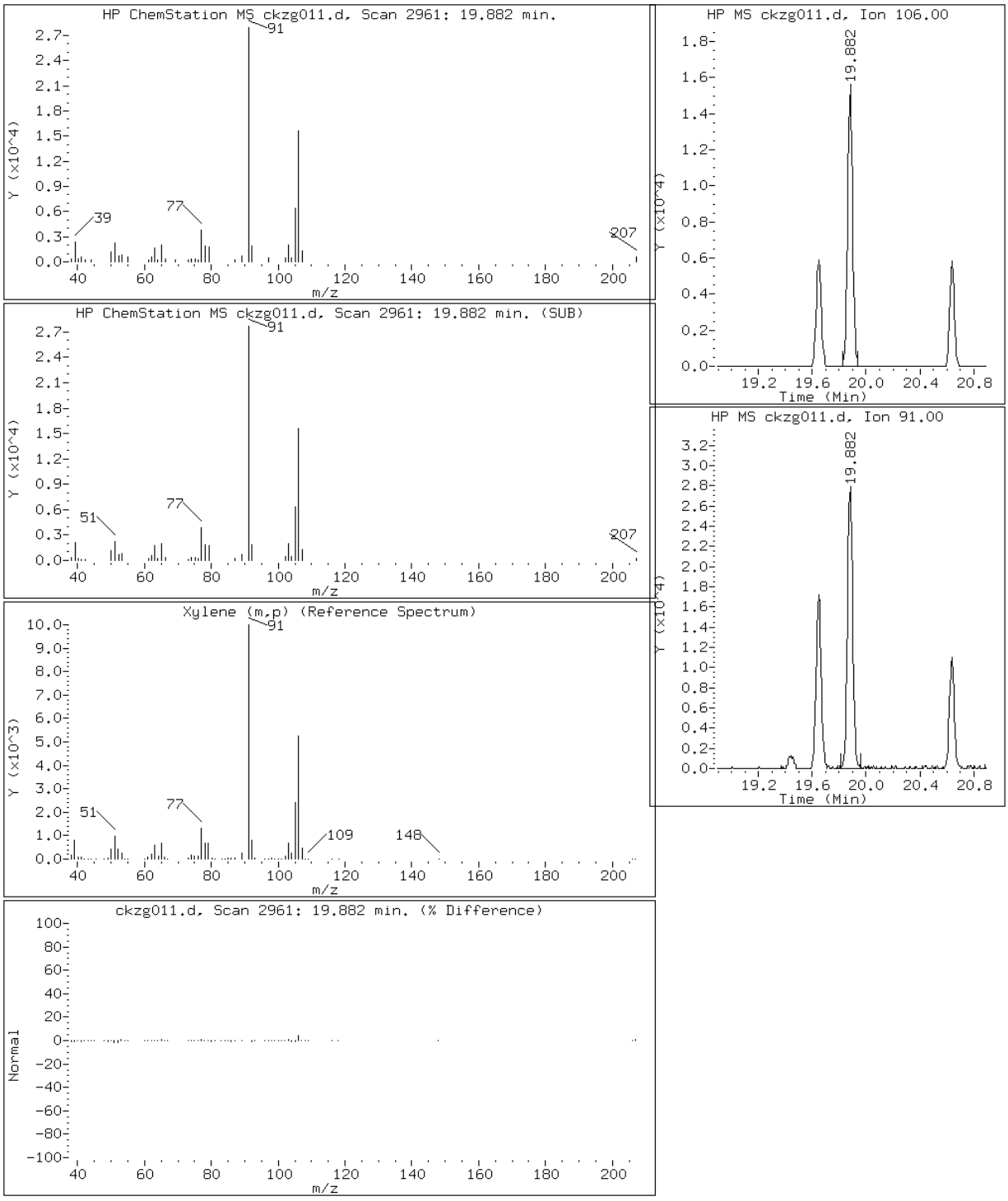
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

69 Xylene (m,p)



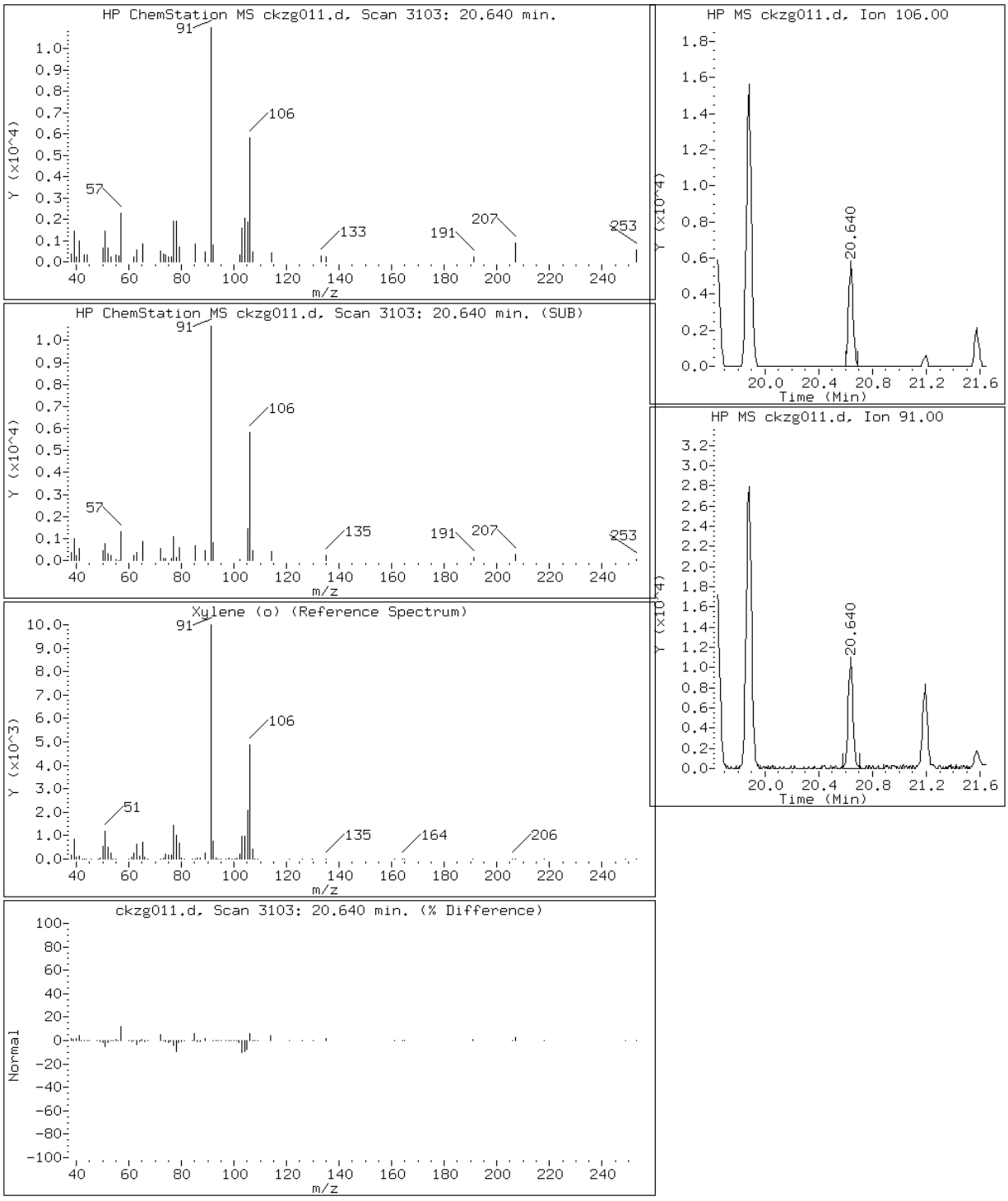
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

71 Xylene (o)



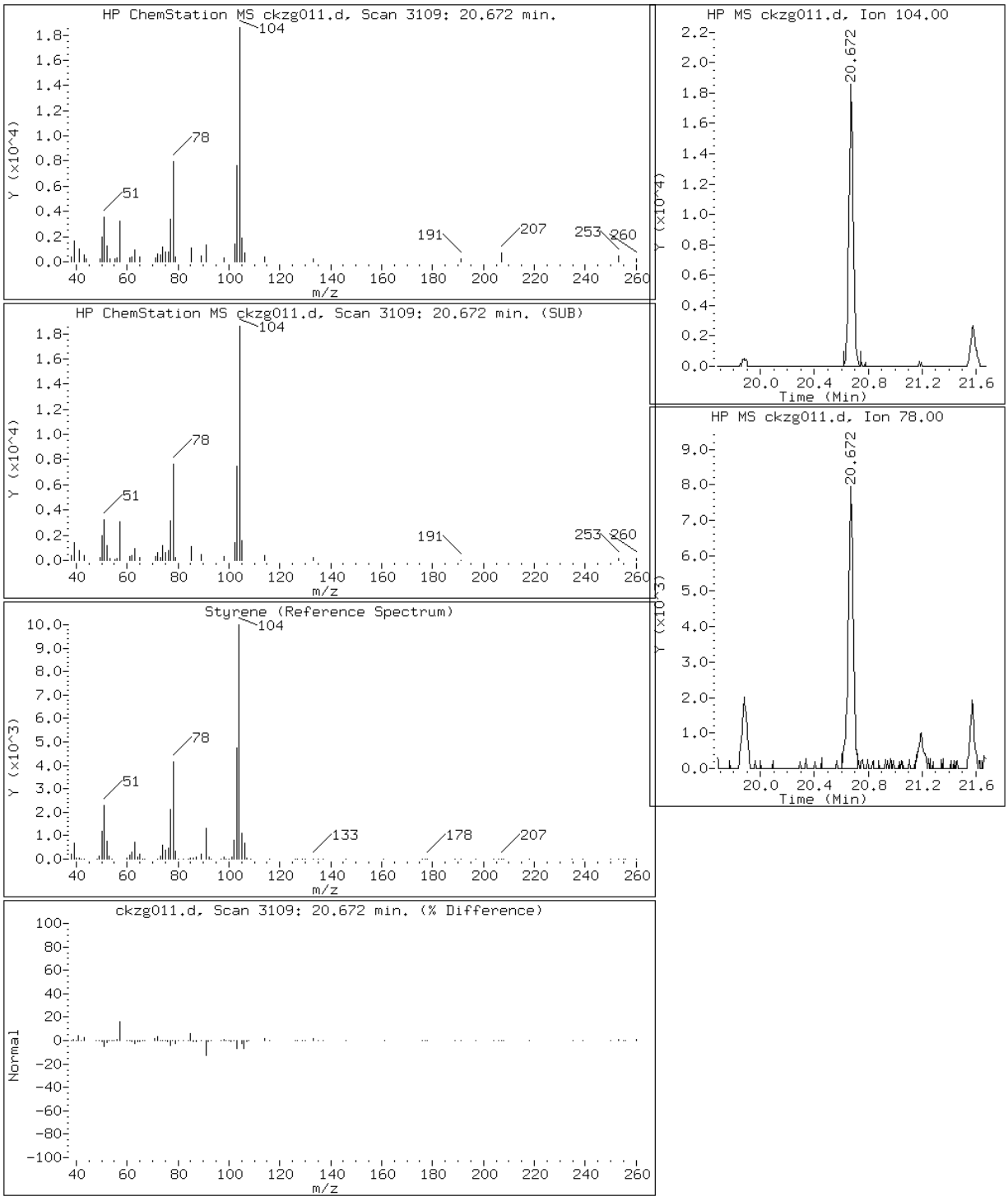
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

72 Styrene



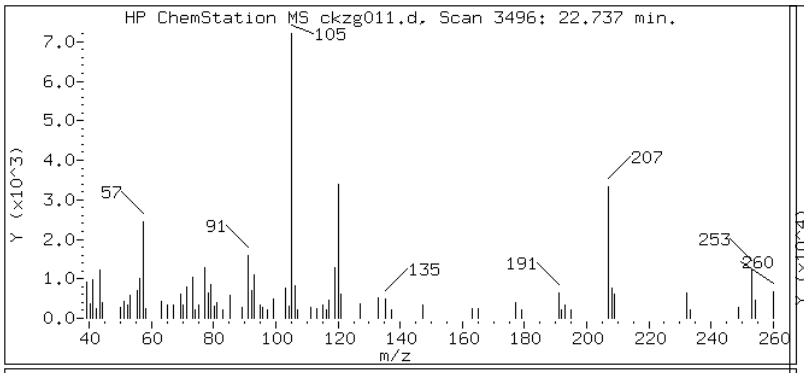
Data File: ckzg011.d

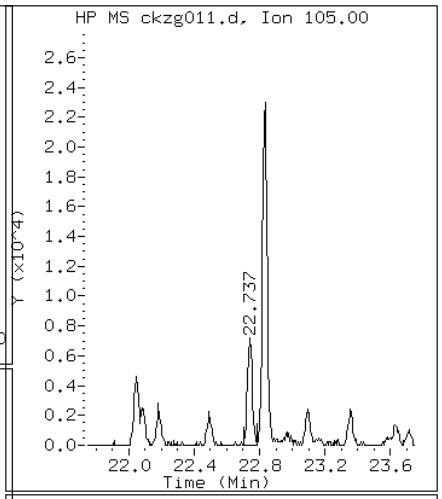
Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

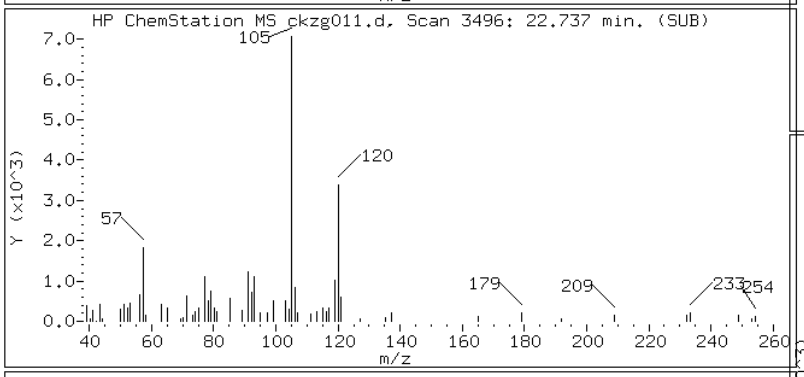
Client ID: 776VMP0201AG Instrument: C.i

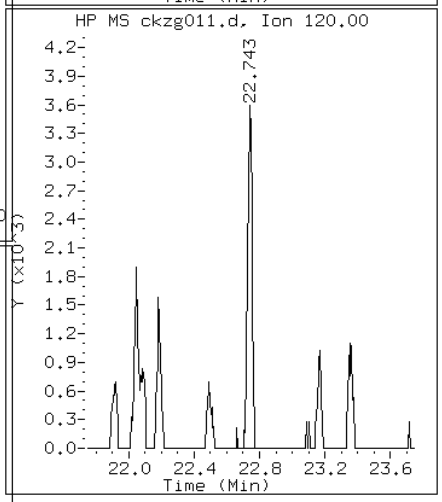
Sample Info: 280-32071-A-5 Operator: pad

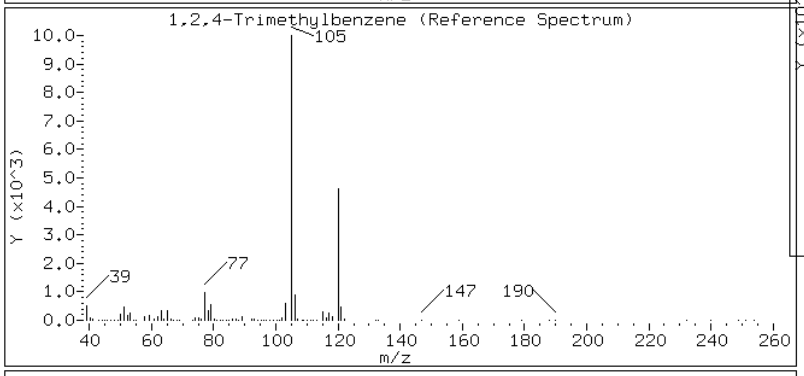
84 1,2,4-Trimethylbenzene

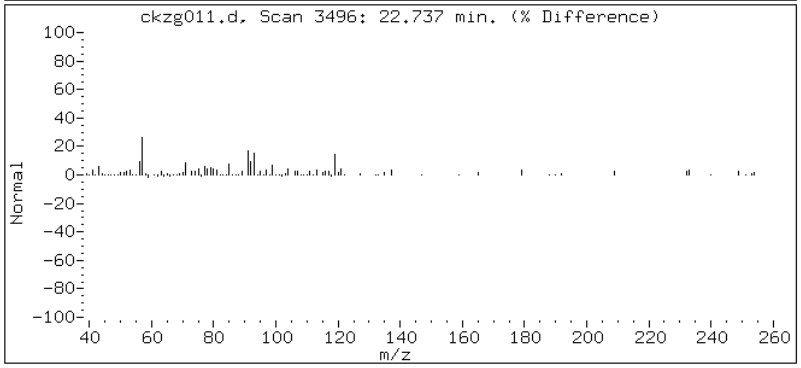












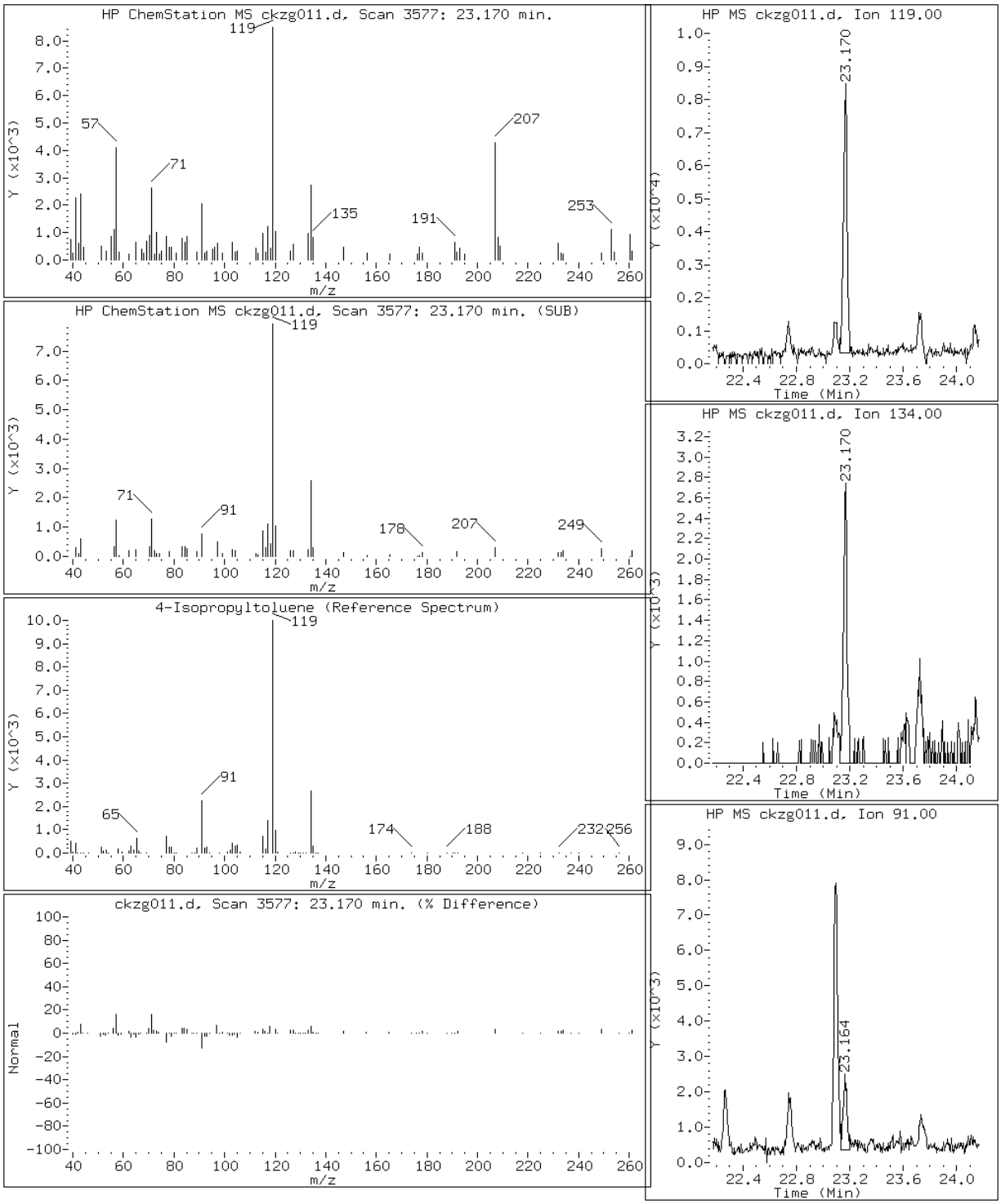
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

86 4-Isopropyltoluene



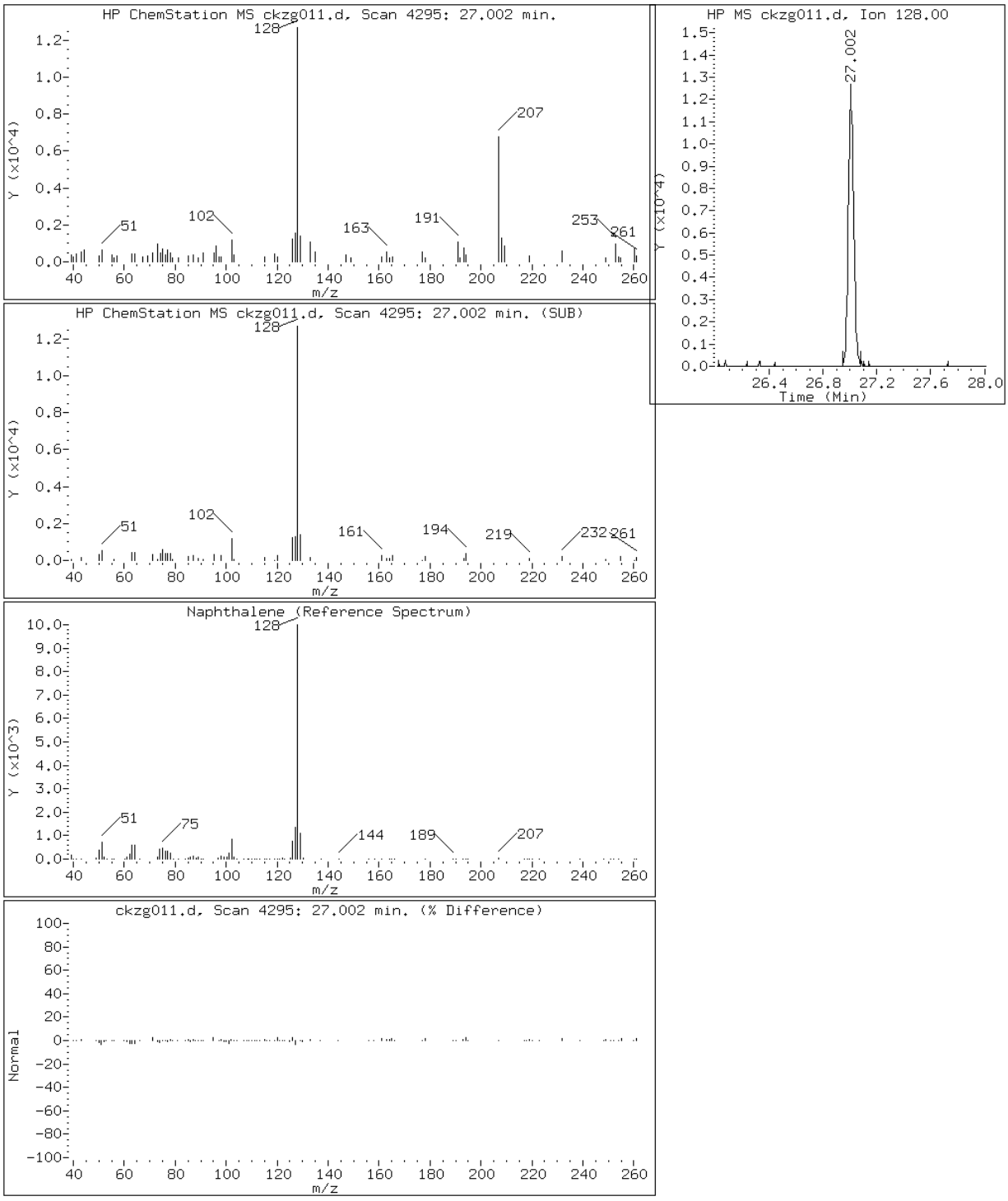
Data File: ckzg011.d

Lab Sample ID: 280-32071-5 Date: 22-AUG-2012 20:38

Client ID: 776VMP0201AG Instrument: C.i

Sample Info: 280-32071-A-5 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg011.d
Lab Sample ID: 280-32071-5
Inj. Date and Time: 22-AUG-2012 20:38
Instrument ID: C.i
Client ID: 776VMP0201AG
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/28/2012

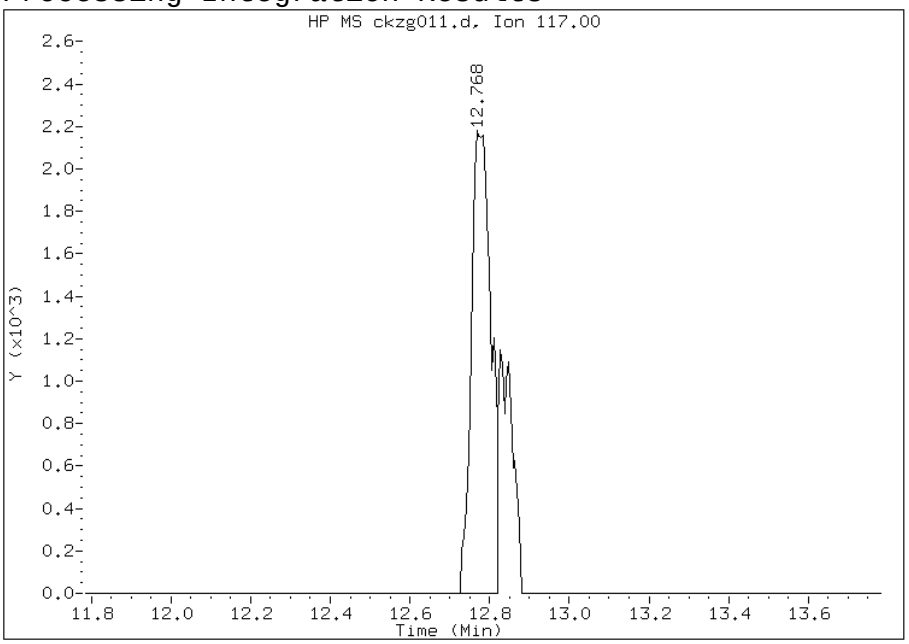
Processing Integration Results

RT: 12.77

Response: 7571

Amount: 0.082591

Conc: 0.082591



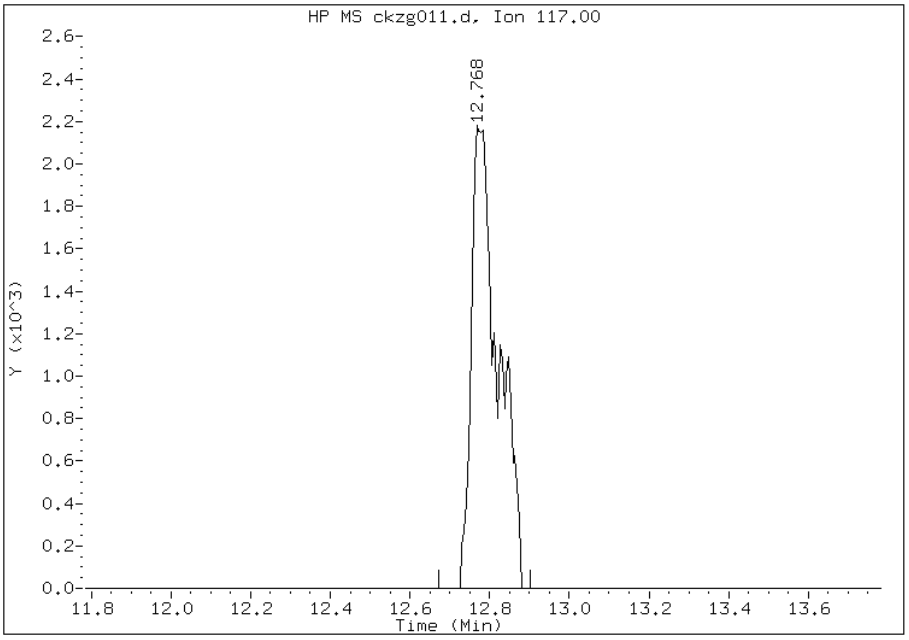
Manual Integration Results

RT: 12.77

Response: 10154

Amount: 0.110768

Conc: 0.110768



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0301AG Lab Sample ID: 280-32071-6

Matrix: Air Lab File ID: ckzg012.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:30

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 21:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.50		0.50	0.020
75-45-6	Freon 22	86.47	4.1		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.61		0.50	0.034
106-97-8	n-Butane	58.12	6.7		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.25		0.20	0.021
76-13-1	Freon TF	187.38	0.079	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	21		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	11		5.0	0.076
75-15-0	Carbon disulfide	76.14	0.14	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.29	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.46	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.26		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	2.4		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.18	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.84	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.82		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.095	J M	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.099	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0301AG Lab Sample ID: 280-32071-6

Matrix: Air Lab File ID: ckzg012.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:30

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 21:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.11	J	0.20	0.017
79-01-6	Trichloroethene	131.39	2.2		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.76		0.50	0.034
108-88-3	Toluene	92.14	0.48		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.19	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.047	J	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.17	J	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.40	J	0.50	0.022
95-47-6	Xylene, o-	106.17	0.13	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.53		0.20	0.016
100-42-5	Styrene	104.15	0.19	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.11	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.073	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0301AG Lab Sample ID: 280-32071-6

Matrix: Air Lab File ID: ckzg012.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:30

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 21:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.31	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0301AG Lab Sample ID: 280-32071-6

Matrix: Air Lab File ID: ckzg012.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:30

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 21:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.099
75-45-6	Freon 22	86.47	15		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.3		1.0	0.070
106-97-8	n-Butane	58.12	16		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
76-13-1	Freon TF	187.38	0.61	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	50		12	0.95
67-63-0	Isopropyl alcohol	60.10	28		12	0.19
75-15-0	Carbon disulfide	76.14	0.44	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.99	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	1.4	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.91		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	7.0		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.87	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	2.5	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	2.8		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.60	J M	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.32	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0301AG Lab Sample ID: 280-32071-6

Matrix: Air Lab File ID: ckzg012.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:30

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 21:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.45	J	0.82	0.070
79-01-6	Trichloroethene	131.39	12		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	3.1		2.0	0.14
108-88-3	Toluene	92.14	1.8		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.78	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.22	J	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.72	J	0.87	0.065
179601-23-1	m,p-Xylene	106.17	1.7	J	2.2	0.096
95-47-6	Xylene, o-	106.17	0.58	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.3		0.87	0.069
100-42-5	Styrene	104.15	0.79	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.52	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.40	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776VMP0301AG Lab Sample ID: 280-32071-6

Matrix: Air Lab File ID: ckzg012.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:30

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 21:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	1.6	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-6
Client Smp ID: 776VMP0301AG
Inj Date : 22-AUG-2012 21:32
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-6
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 13:07 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	45532	0.50194	0.50
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	188160	4.11610	4.1
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	15347	0.60669	0.61
6 Butane	43	5.067	5.078	(0.419)	299091	6.68464	6.7
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.566)	23862	0.24943	0.25
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	5282	0.07896	0.079(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.253	8.269	(0.683)	761926	20.9448	21

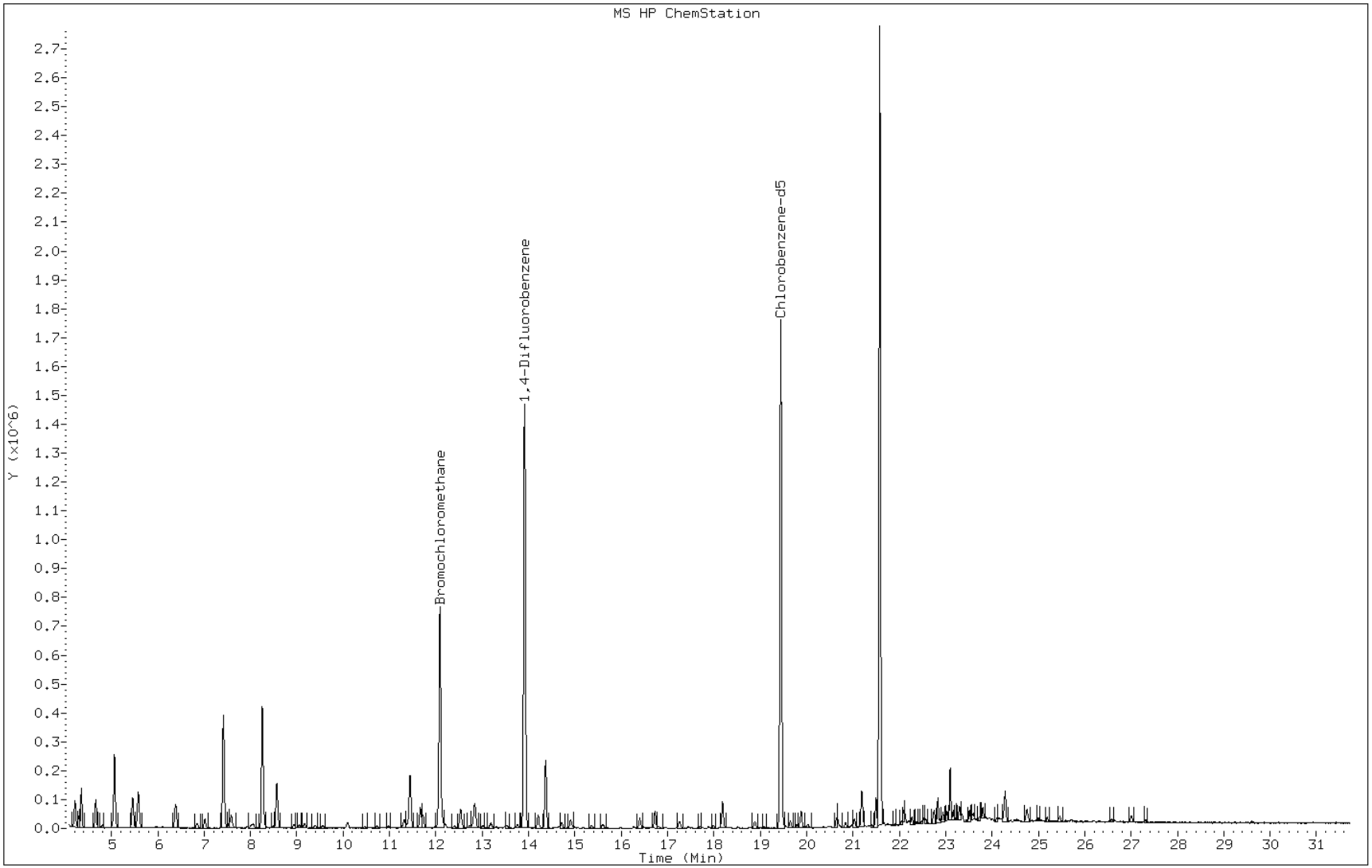
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
21	Carbon disulfide	76	8.493	8.509	(0.703)	12536	0.14216	0.14(a)
22	Isopropanol	45	8.568	8.573	(0.709)	291395	11.4011	11
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	9.171	9.177	(0.759)	8860	0.28551	0.29(a)
26	Tert-butyl alcohol	59	9.400	9.390	(0.778)	17703	0.45537	0.46(a)
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	10.094	10.105	(0.835)	12857	0.25715	0.26
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	32906	2.38064	2.4(Q)
* 37	Bromochloromethane	128	12.085	12.096	(1.000)	330375	10.0000	
38	Tetrahydrofuran	42	12.144	12.139	(0.873)	24522	0.83983	0.84(a)
39	Chloroform	83	12.202	12.213	(1.010)	13178	0.17856	0.18(a)
40	Cyclohexane	84	12.533	12.544	(0.901)	42653	0.81870	0.82
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	12.779	12.784	(0.918)	8484	0.09478	0.095(aM)
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	13.184	13.190	(0.947)	10869	0.09880	0.099(a)
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	13.537	13.542	(0.973)	6405	0.10939	0.11(a)
* 47	1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1857368	10.0000	
49	Trichloroethene	95	14.369	14.375	(1.033)	112914	2.18102	2.2
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	16.403	16.408	(1.179)	39295	0.75659	0.76
58	Toluene	92	16.728	16.734	(0.860)	39955	0.48163	0.48
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
62	2-Hexanone	43	17.988	17.993	(0.925)	9253	0.19148	0.19(aQ)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.445	19.450	(1.000)	1730432	10.0000	
66	Chlorobenzene	112	19.509	19.509	(1.003)	5637	0.04693	0.047(aH)
68	Ethylbenzene	91	19.647	19.653	(1.010)	29067	0.16658	0.17(a)
69	Xylene (m,p)	106	19.882	19.893	(1.022)	28790	0.39603	0.40(a)
M 70	Xylenes, Total	106				38156	0.52911	0.53
71	Xylene (o)	106	20.635	20.646	(1.061)	9366	0.13307	0.13(a)
72	Styrene	104	20.672	20.678	(1.063)	18436	0.18523	0.19(a)
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	17284	0.10510	0.11(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.170	23.170	(1.192)	14900	0.07307	0.073(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.002	27.012	(1.389)	29378	0.30724	0.31(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File:	ckzg012.d	Date:	22-AUG-2012 21:32
Client ID:	776VMP0301AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-6		
Lab Sample ID:	280-32071-6		



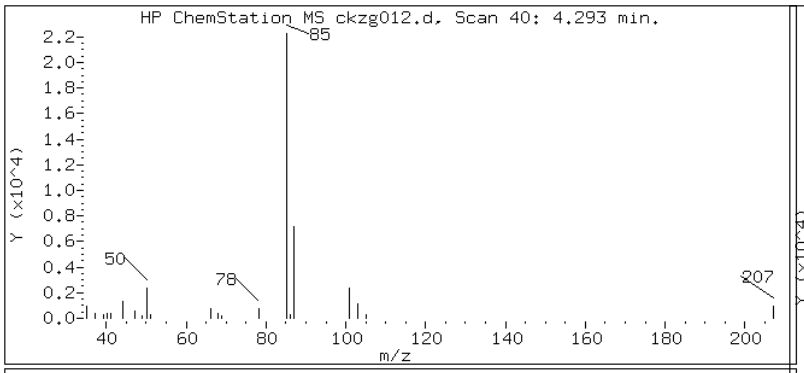
Data File: ckzg012.d

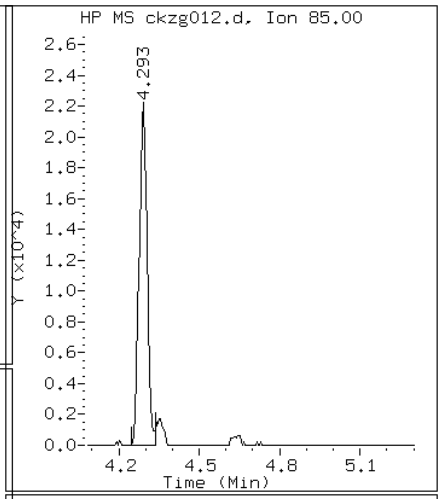
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

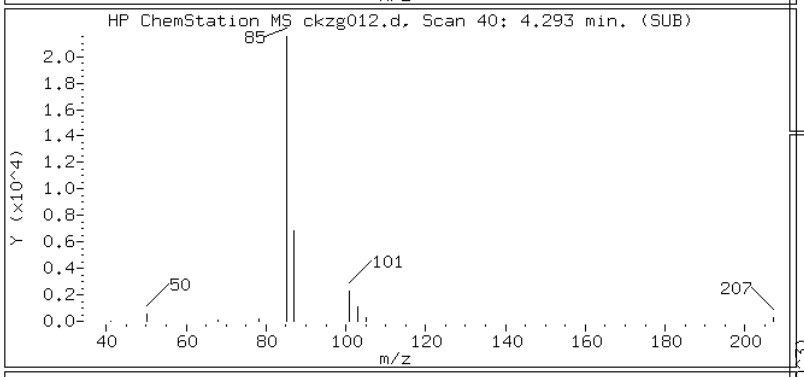
Client ID: 776VMP0301AG Instrument: C.i

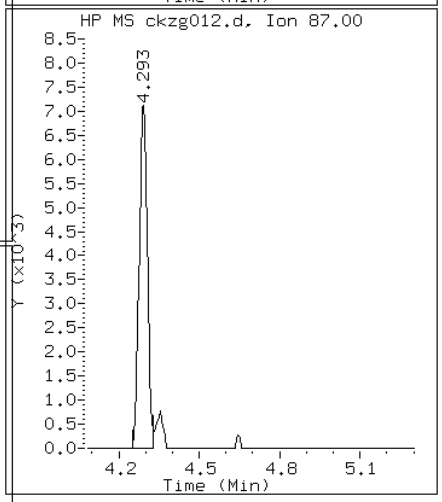
Sample Info: 280-32071-A-6 Operator: pad

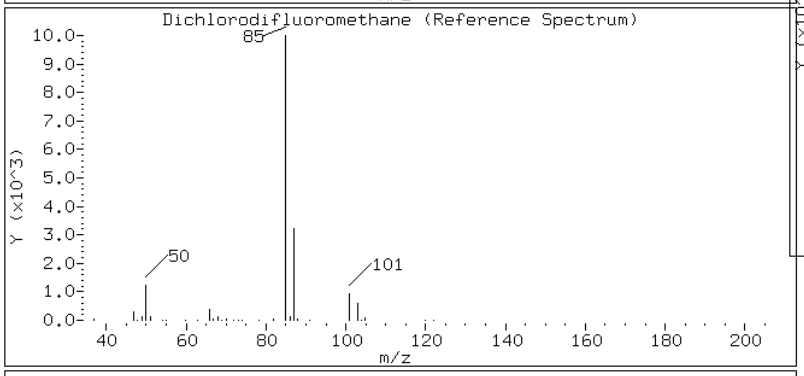
2 Dichlorodifluoromethane

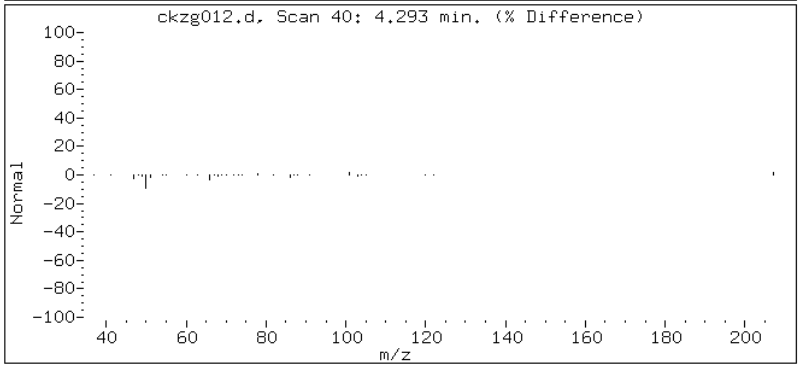












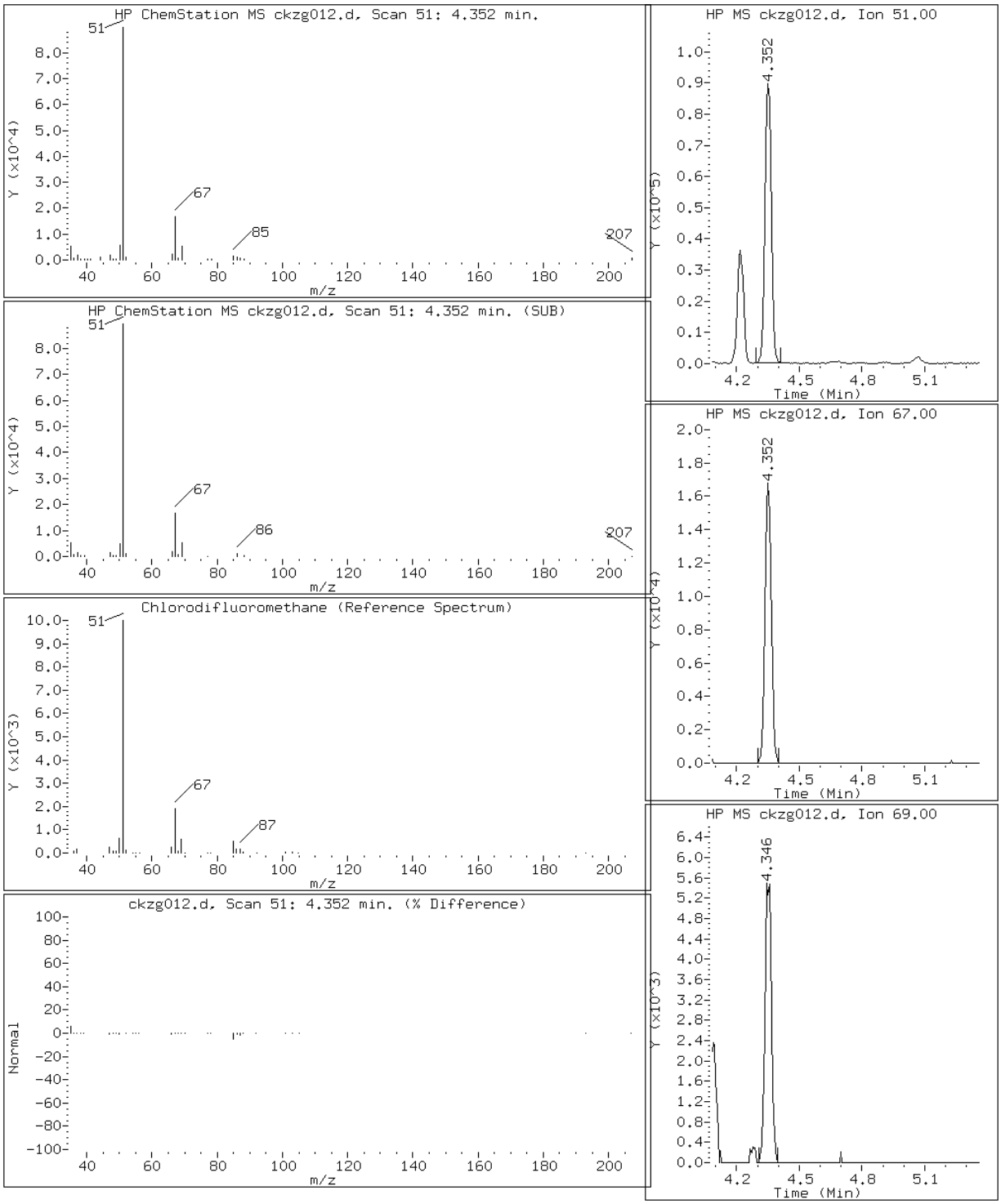
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

3 Chlorodifluoromethane



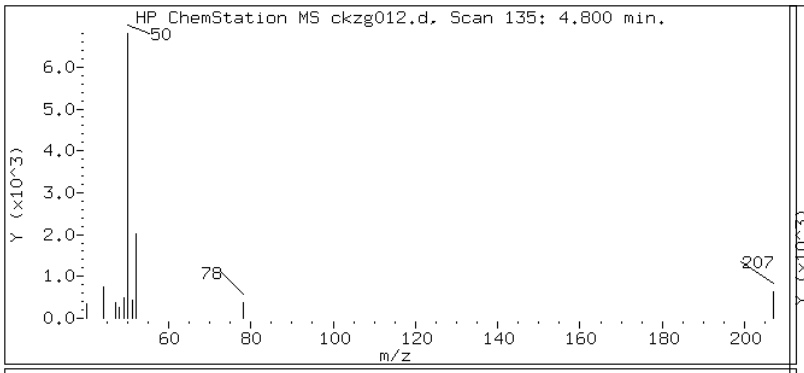
Data File: ckzg012.d

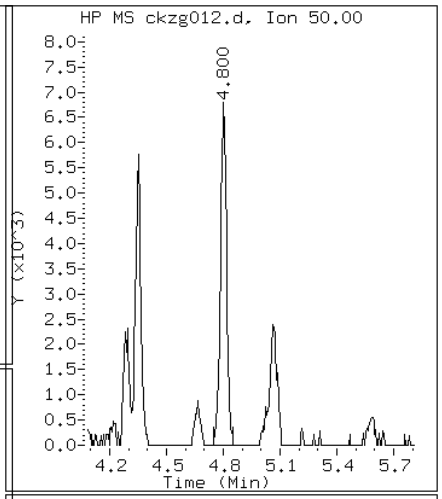
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

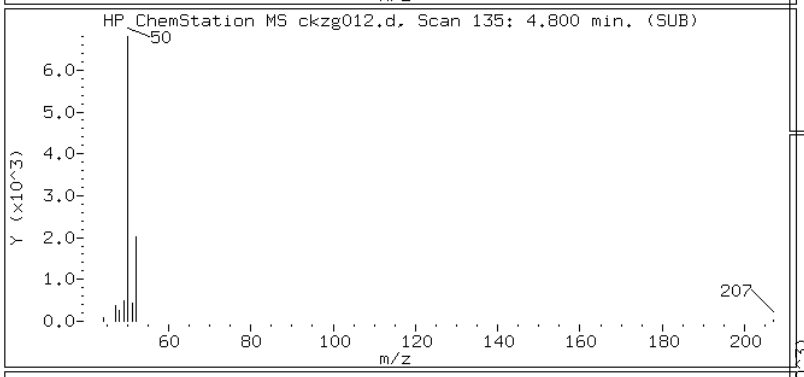
Client ID: 776VMP0301AG Instrument: C.i

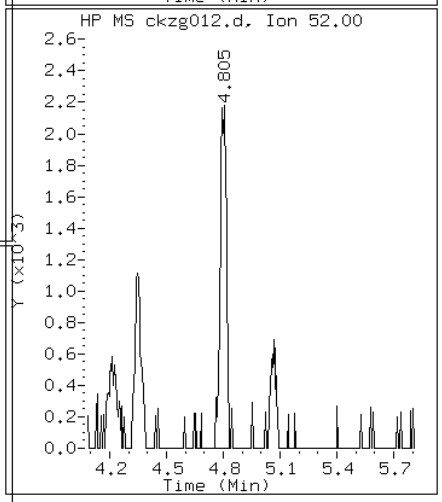
Sample Info: 280-32071-A-6 Operator: pad

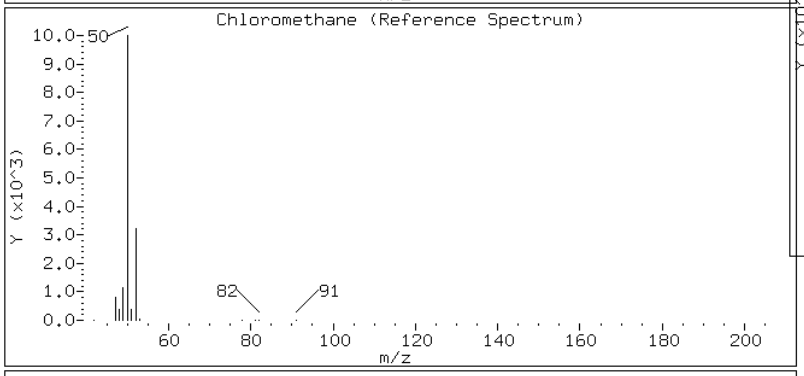
5 Chloromethane

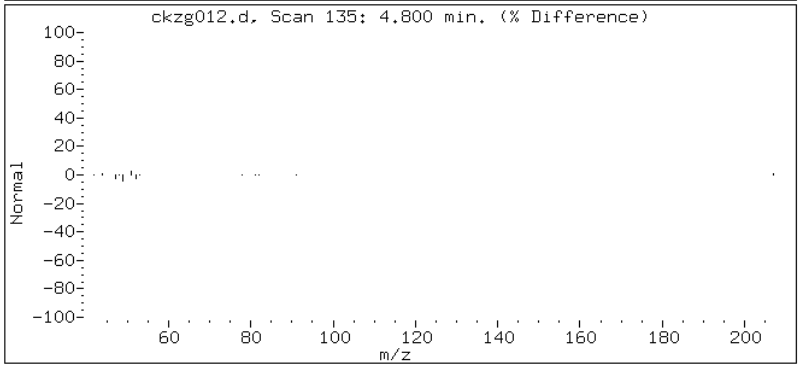












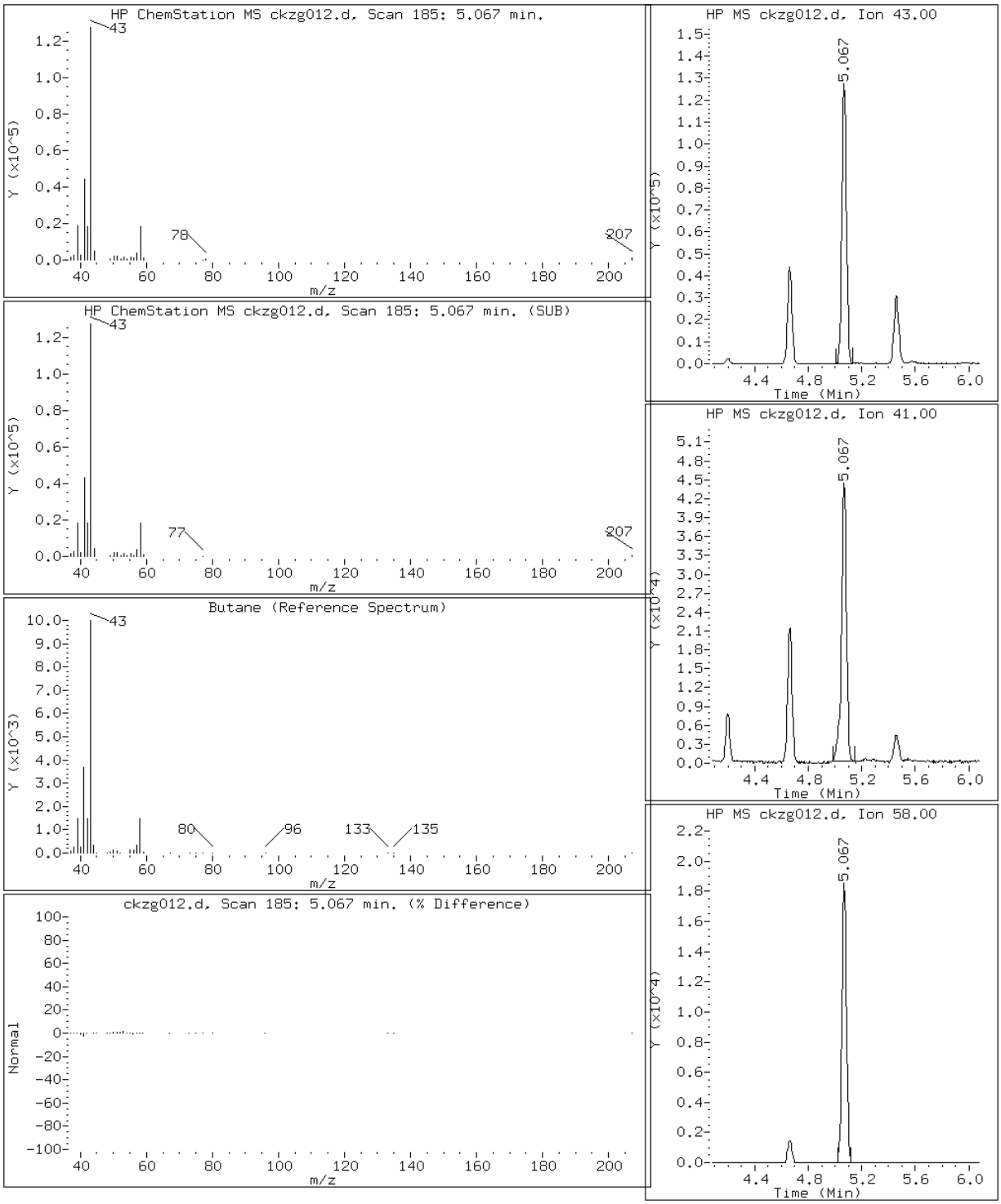
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

6 Butane



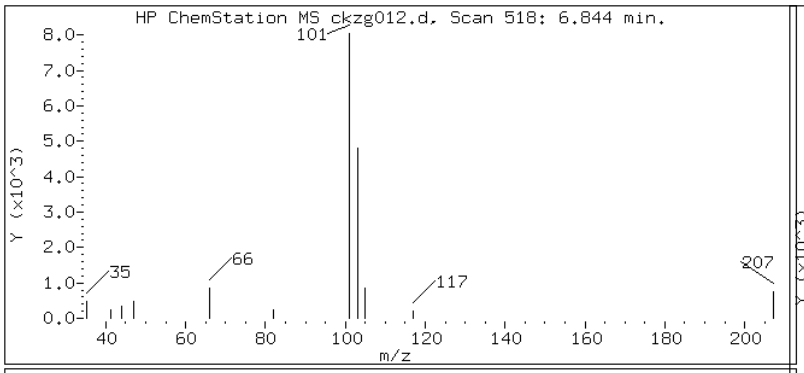
Data File: ckzg012.d

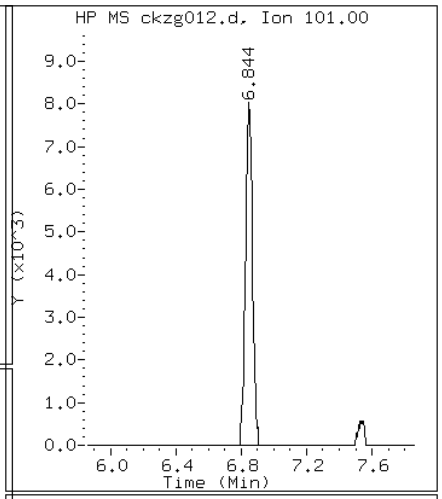
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

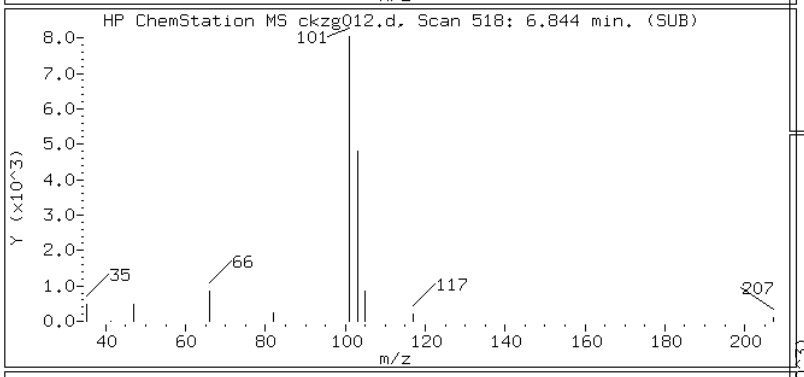
Client ID: 776VMP0301AG Instrument: C.i

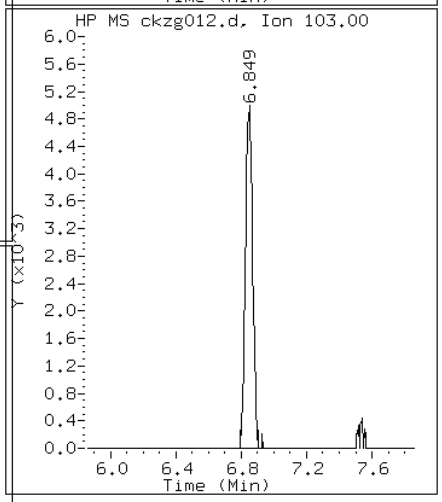
Sample Info: 280-32071-A-6 Operator: pad

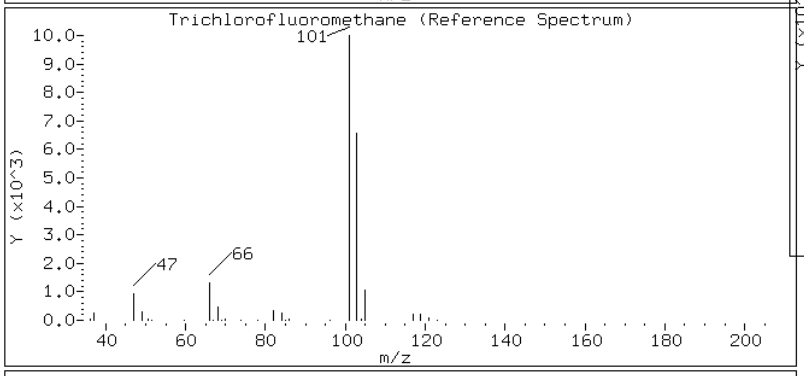
13 Trichlorofluoromethane

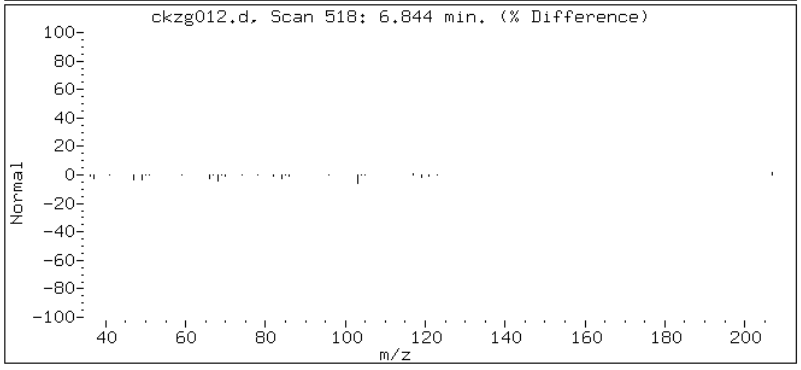












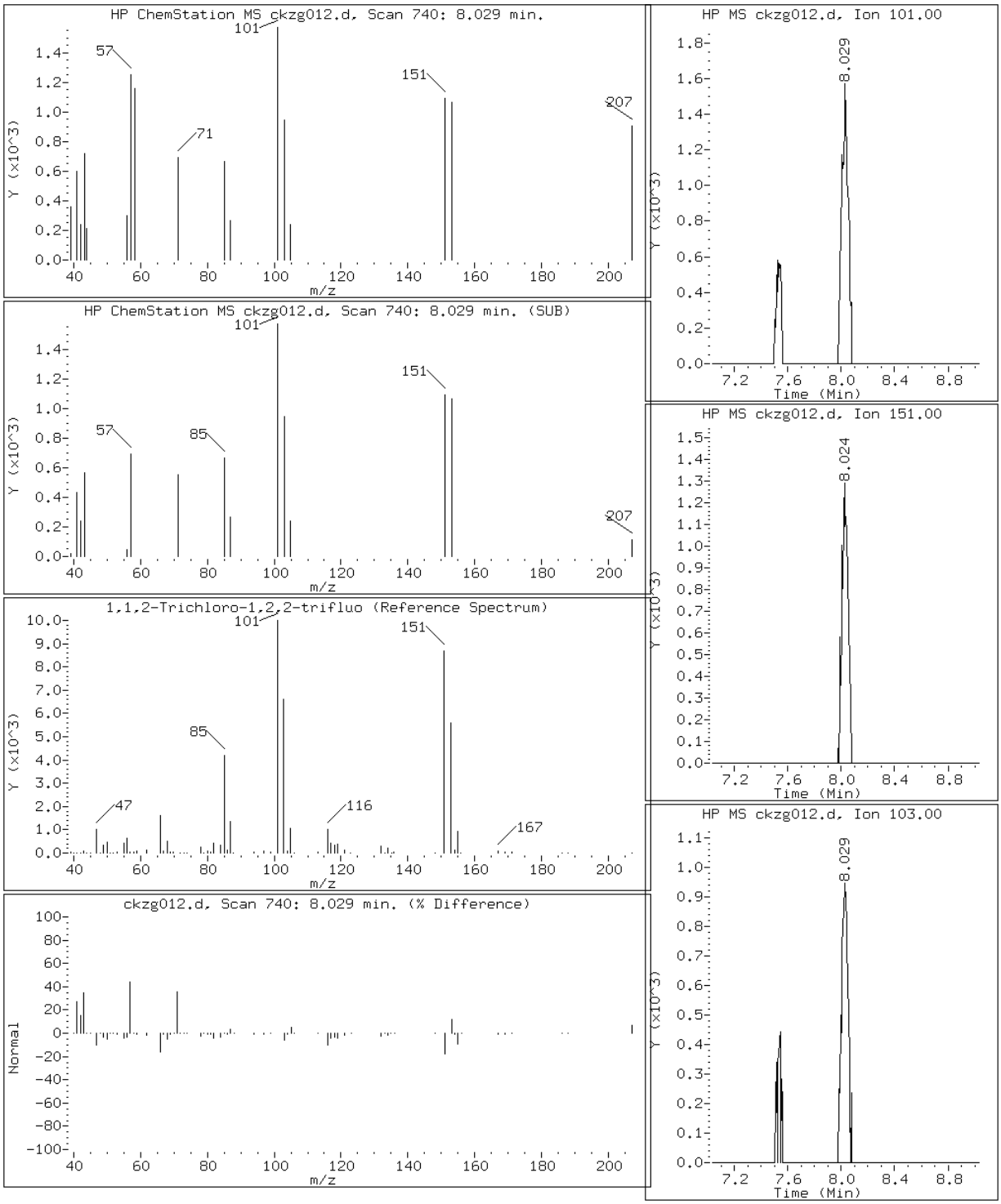
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



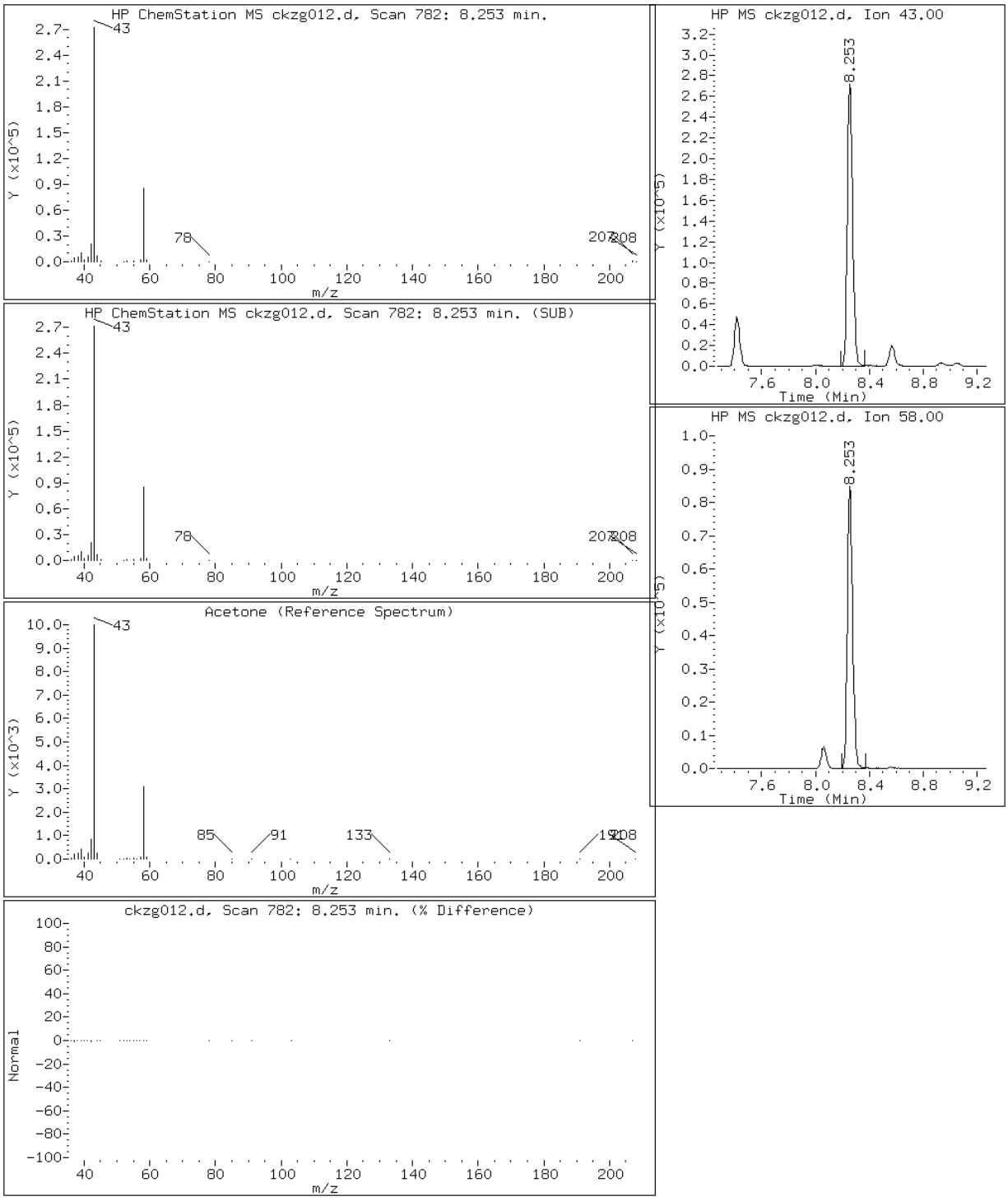
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

20 Acetone



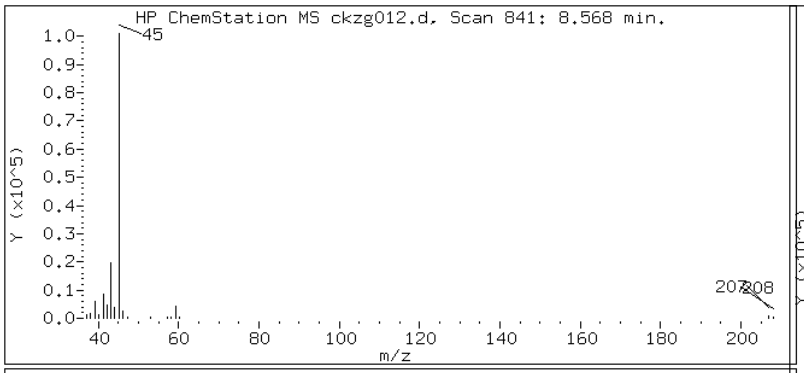
Data File: ckzg012.d

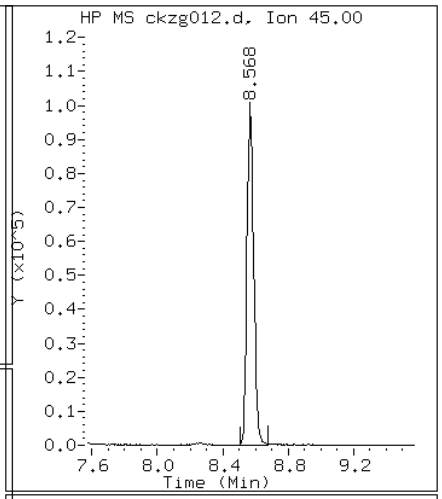
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

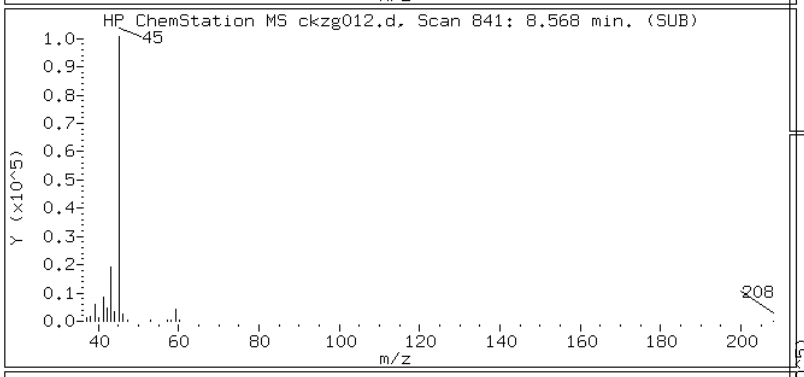
Client ID: 776VMP0301AG Instrument: C.i

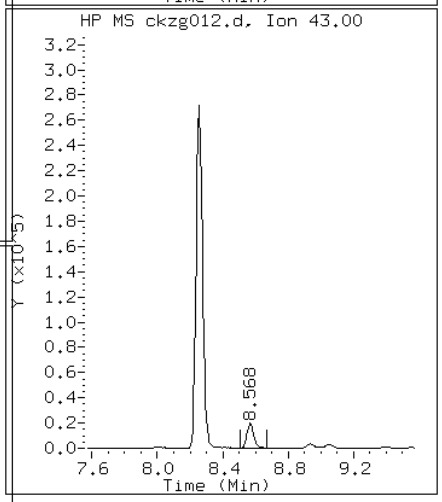
Sample Info: 280-32071-A-6 Operator: pad

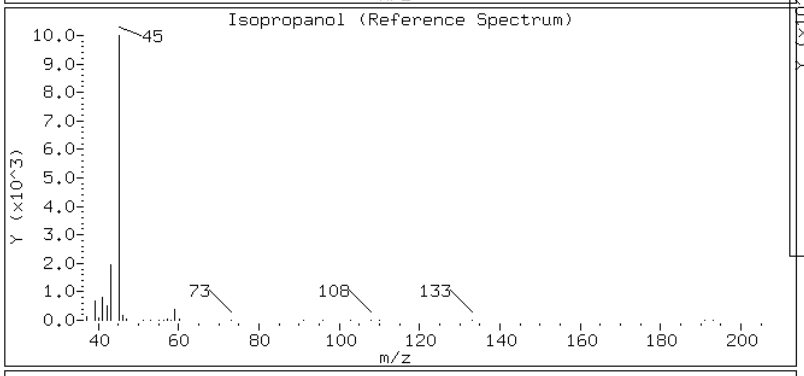
22 Isopropanol

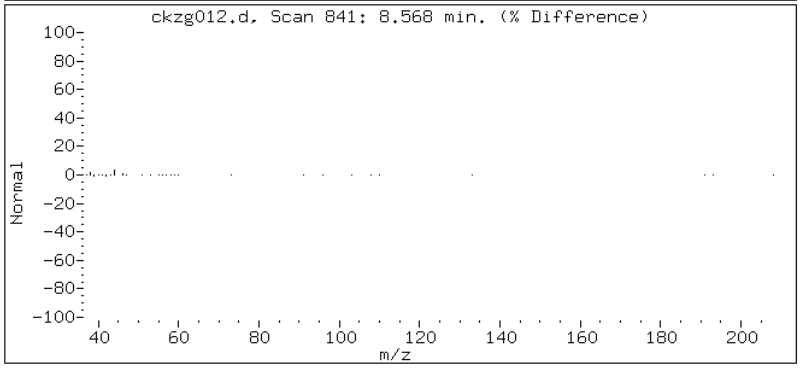












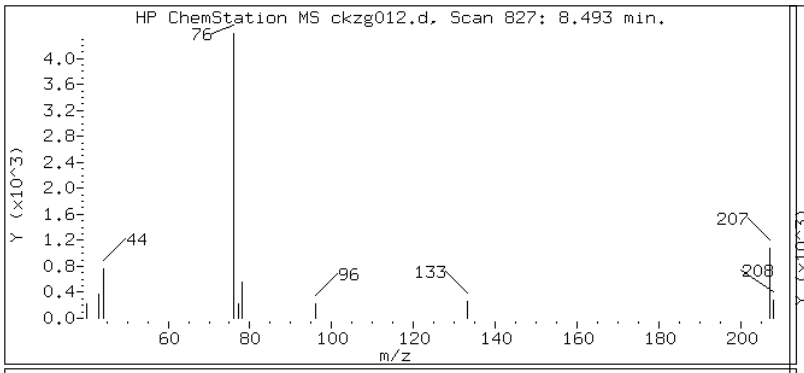
Data File: ckzg012.d

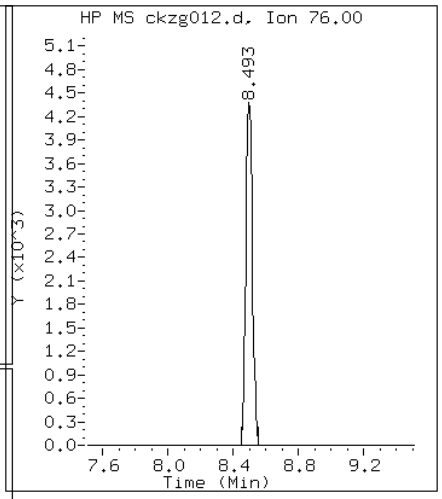
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

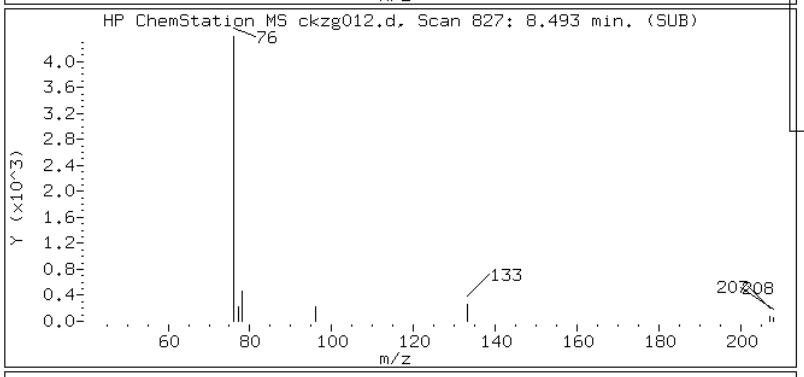
Client ID: 776VMP0301AG Instrument: C.i

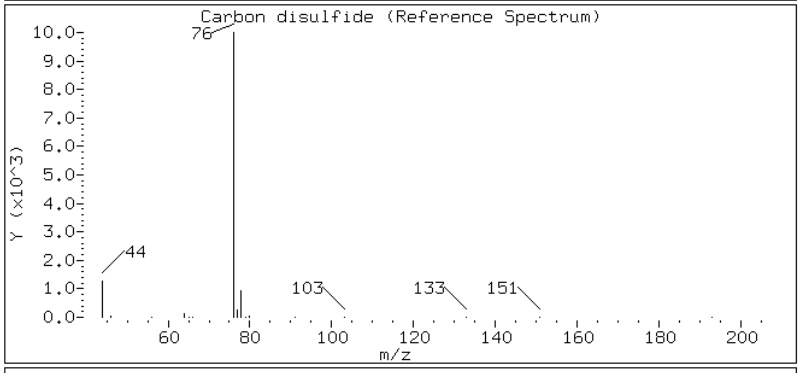
Sample Info: 280-32071-A-6 Operator: pad

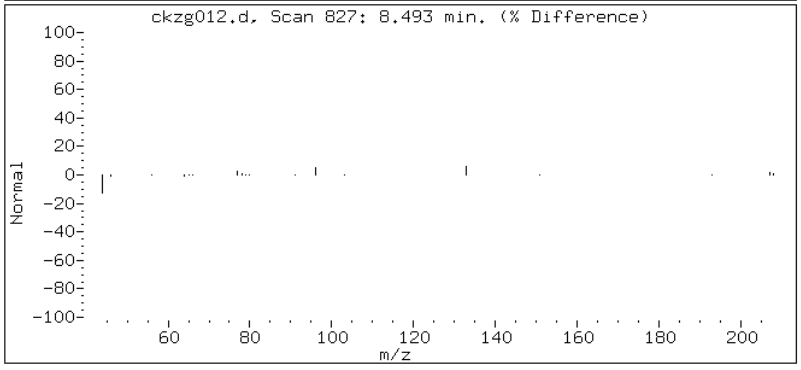
21 Carbon disulfide











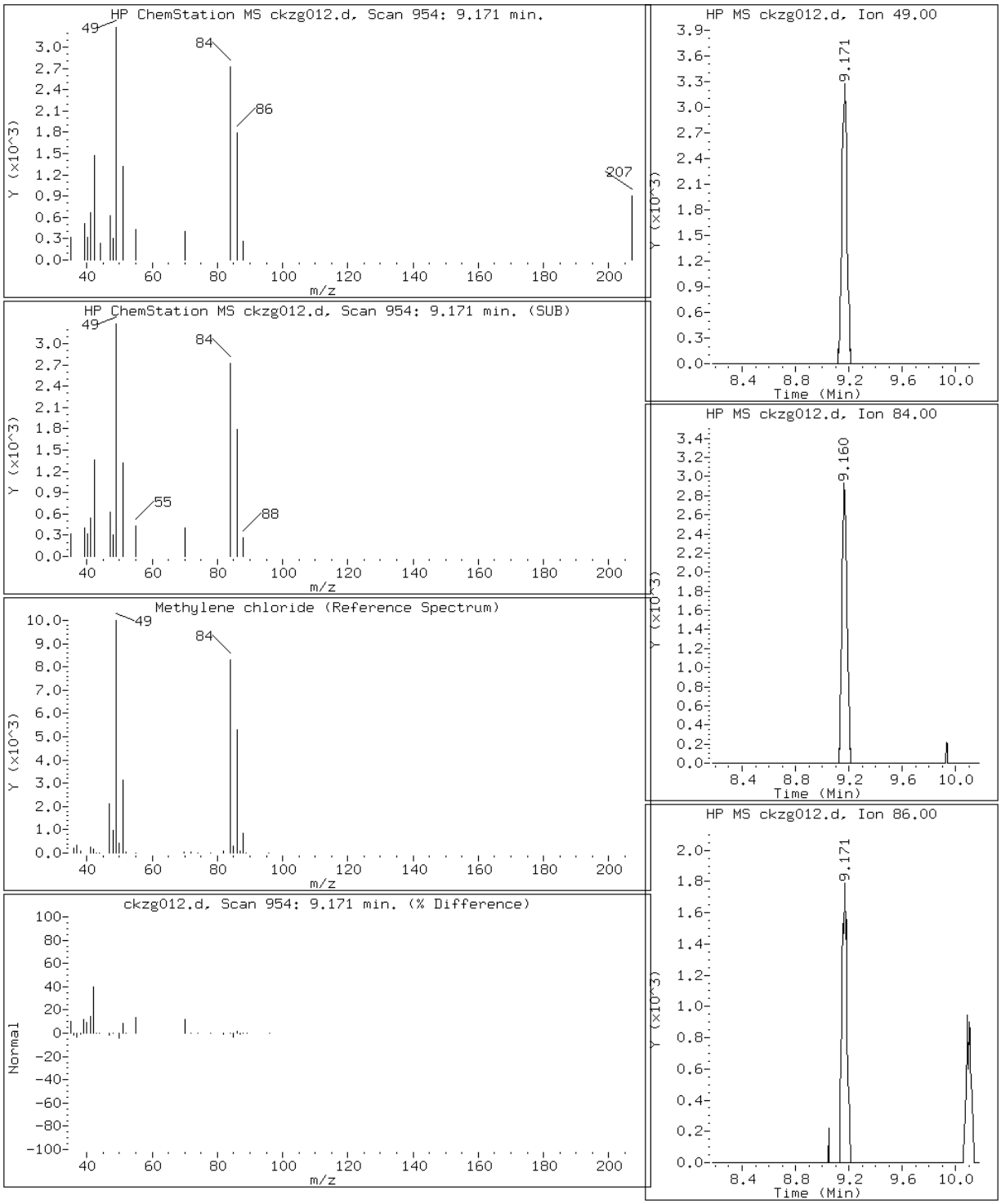
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

25 Methylene chloride



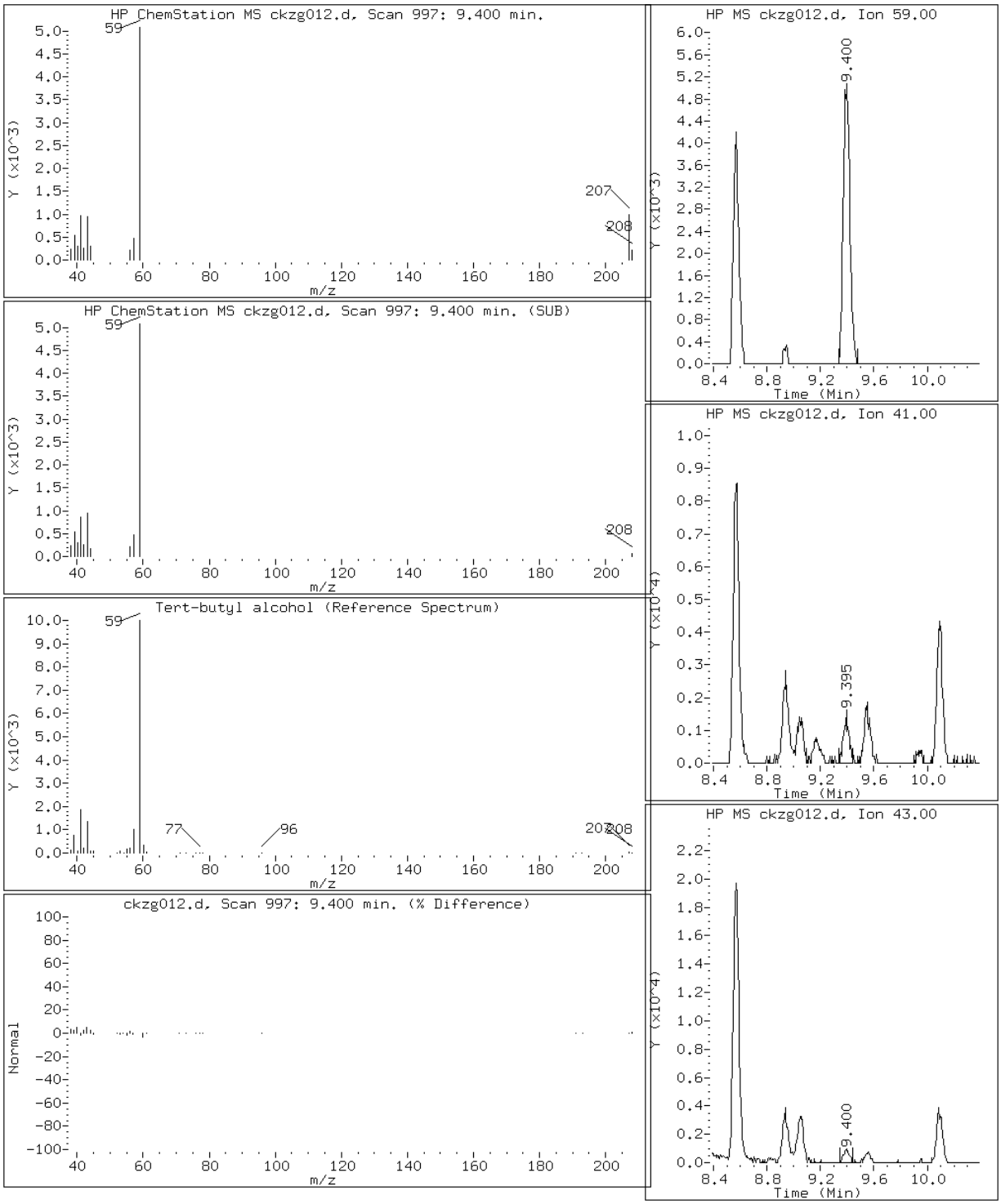
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

26 Tert-butyl alcohol



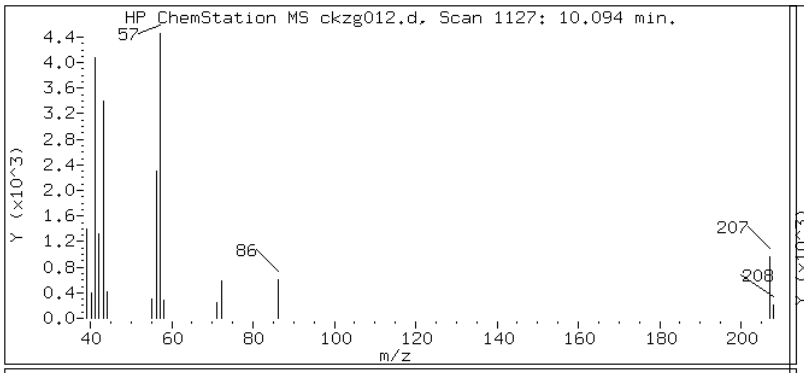
Data File: ckzg012.d

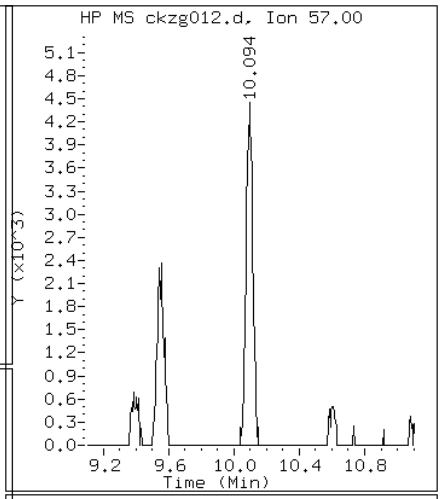
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

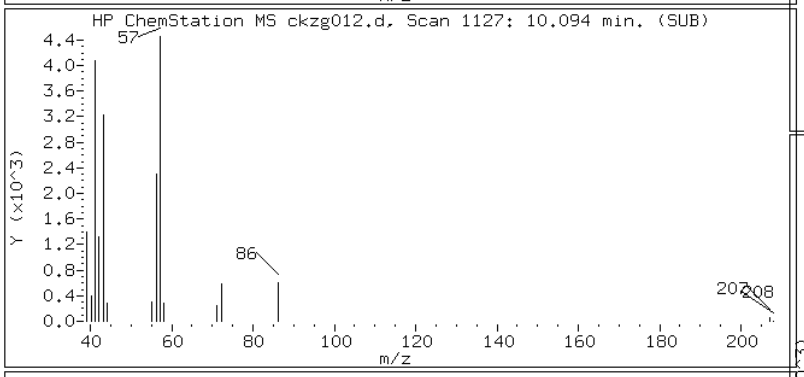
Client ID: 776VMP0301AG Instrument: C.i

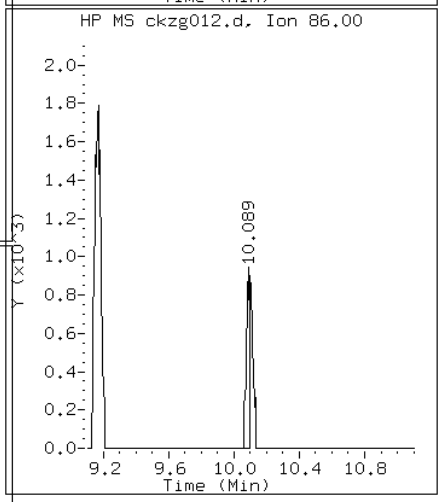
Sample Info: 280-32071-A-6 Operator: pad

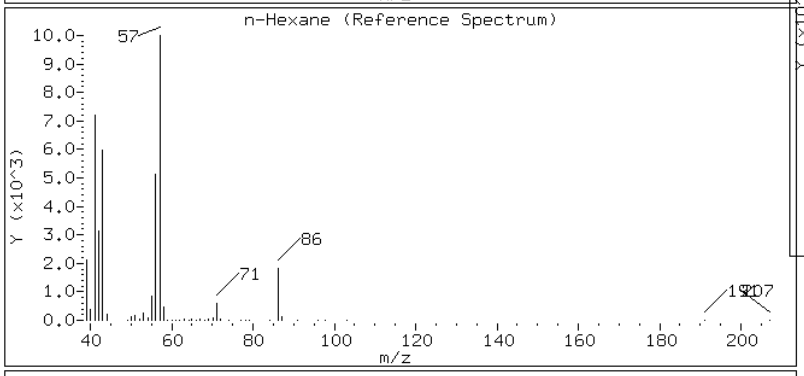
30 n-Hexane

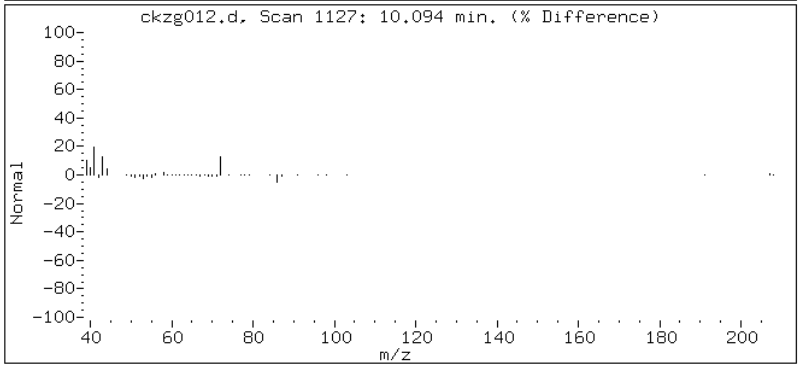












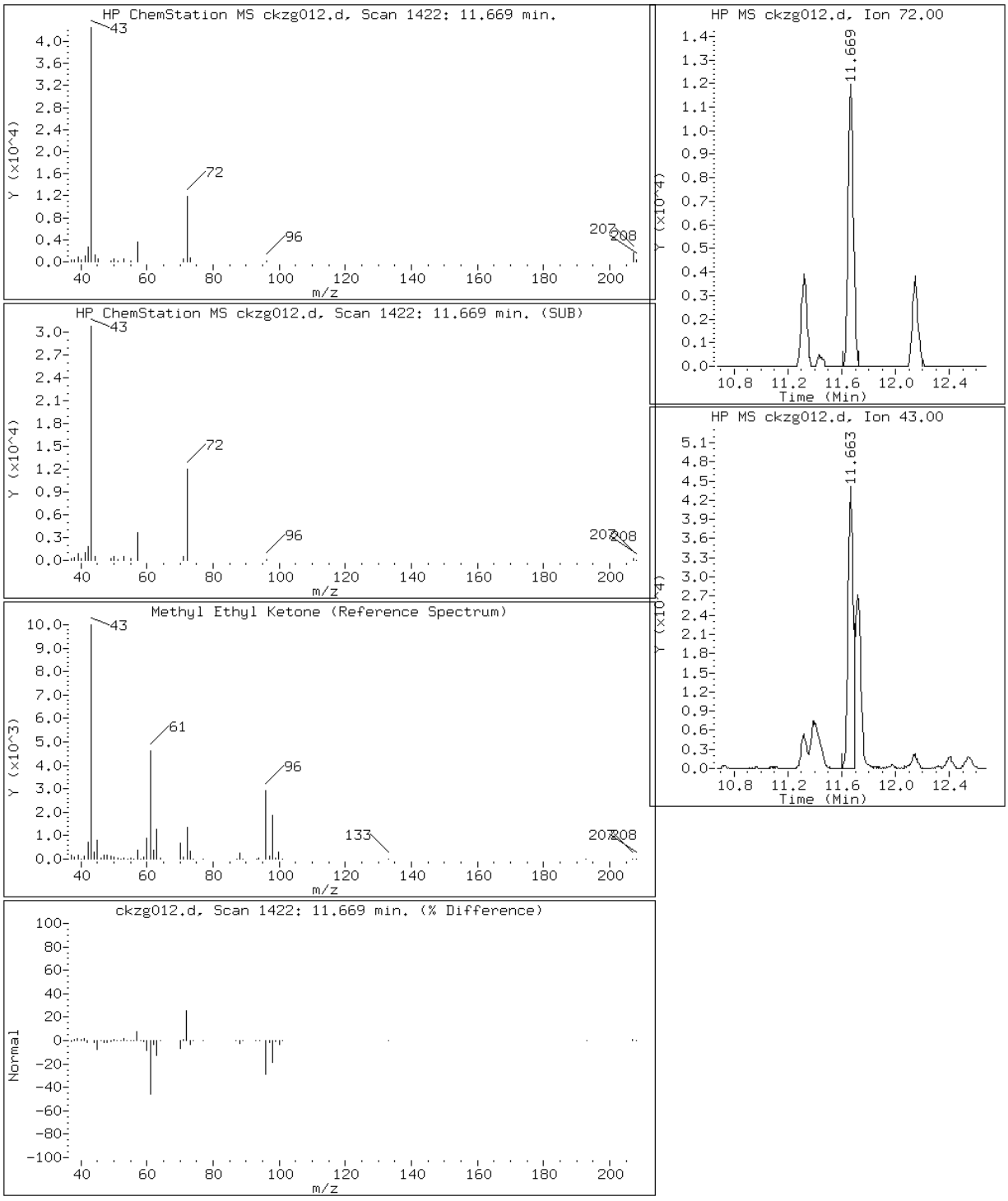
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

36 Methyl Ethyl Ketone



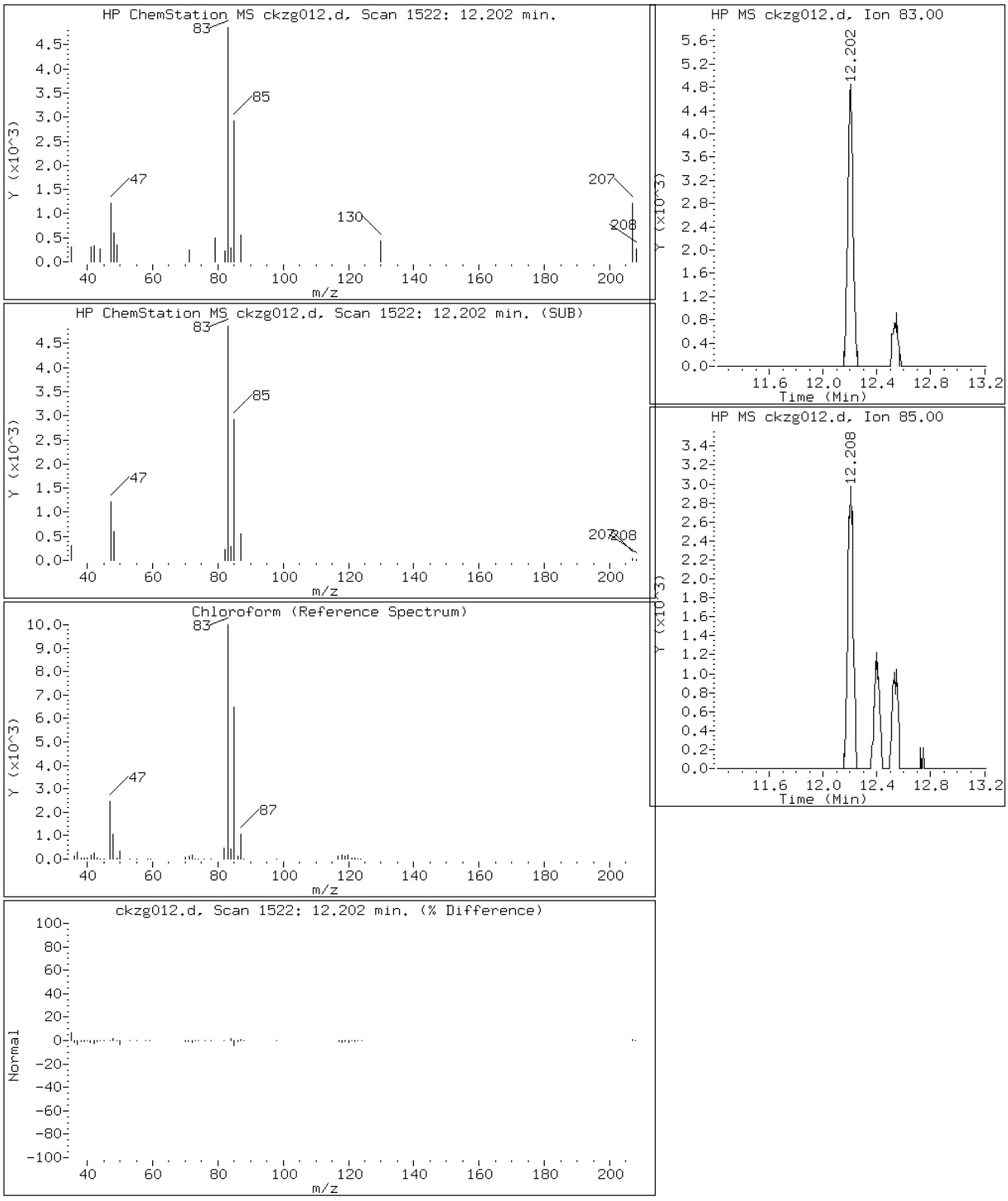
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

39 Chloroform



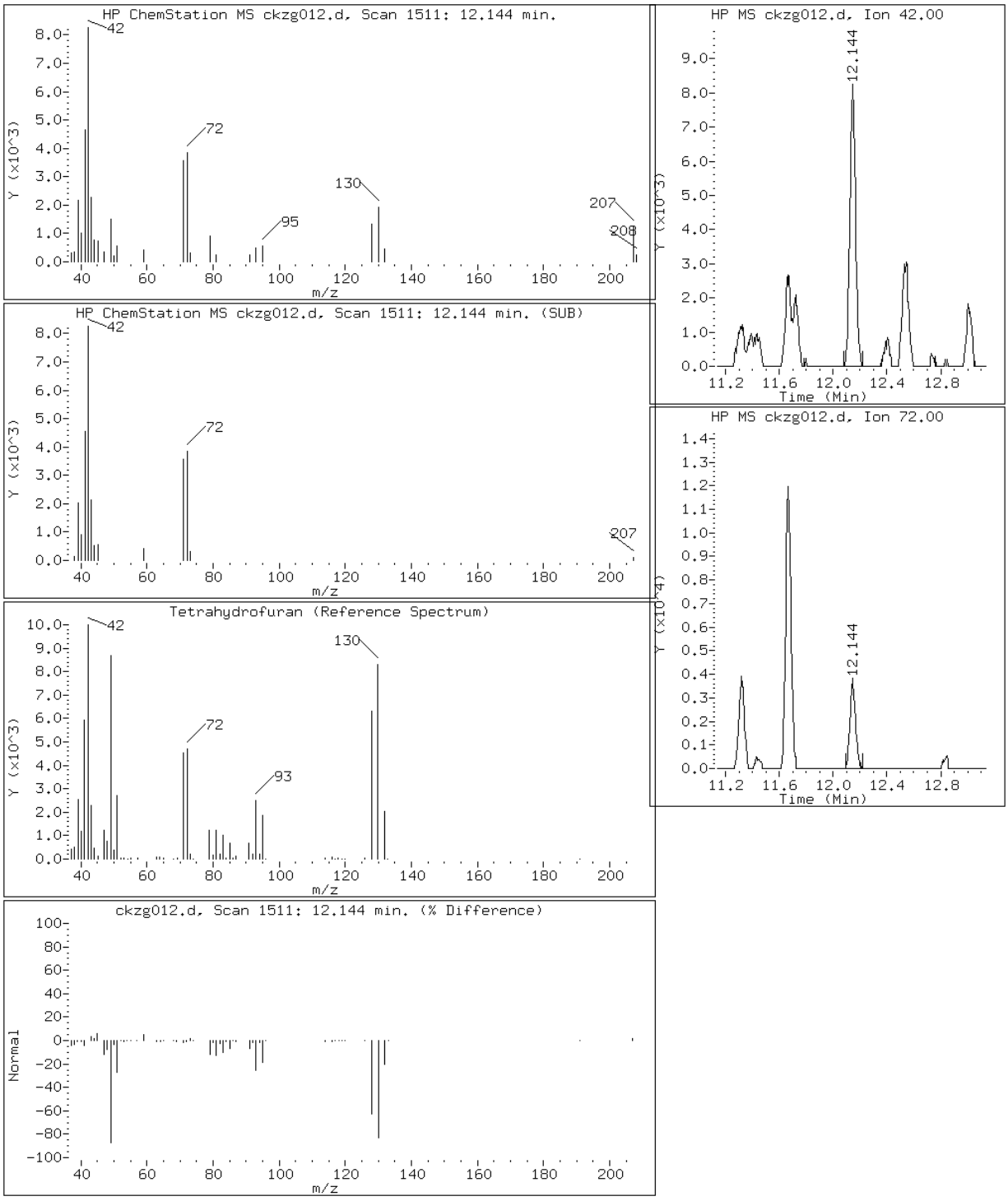
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

38 Tetrahydrofuran



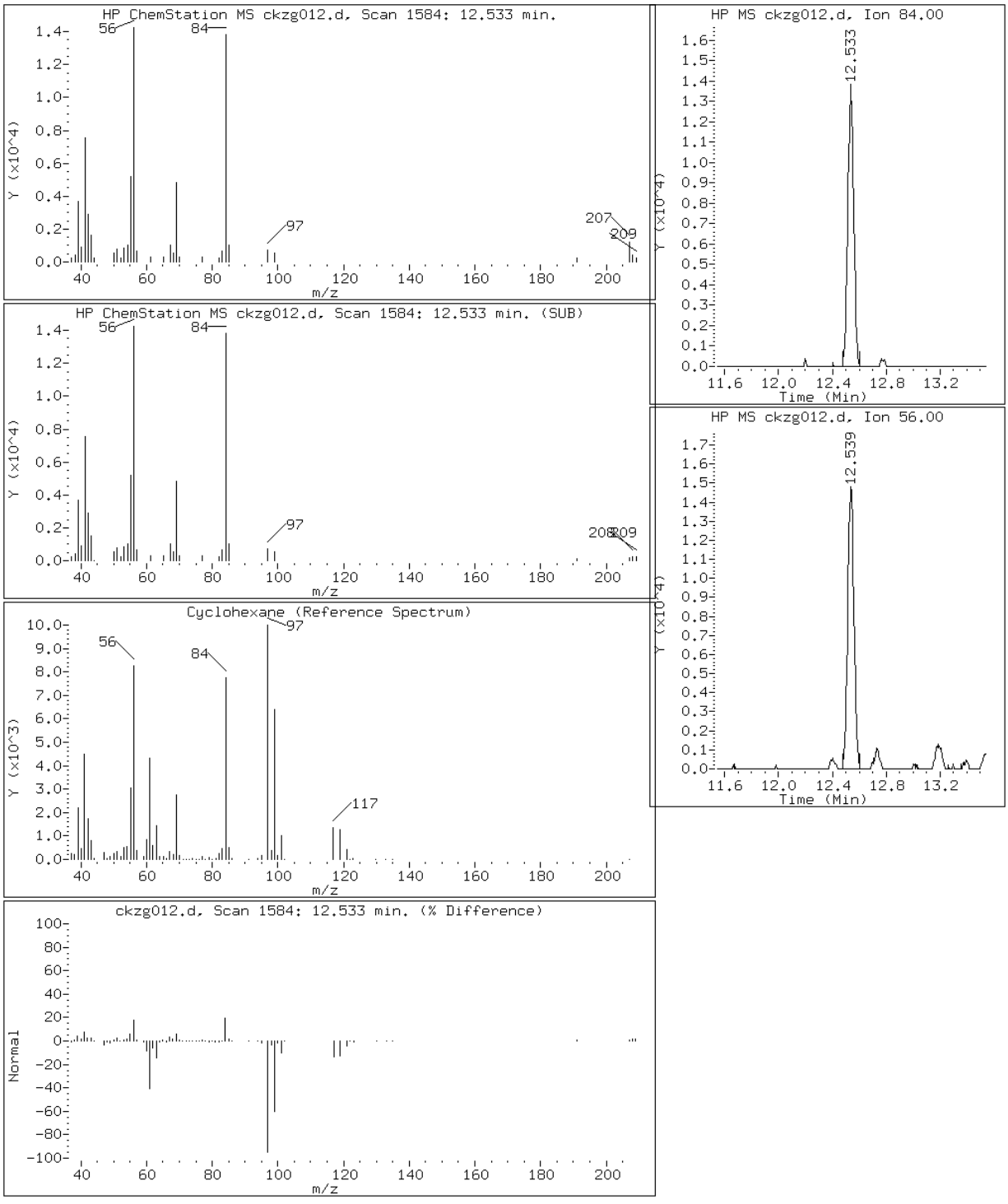
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

40 Cyclohexane



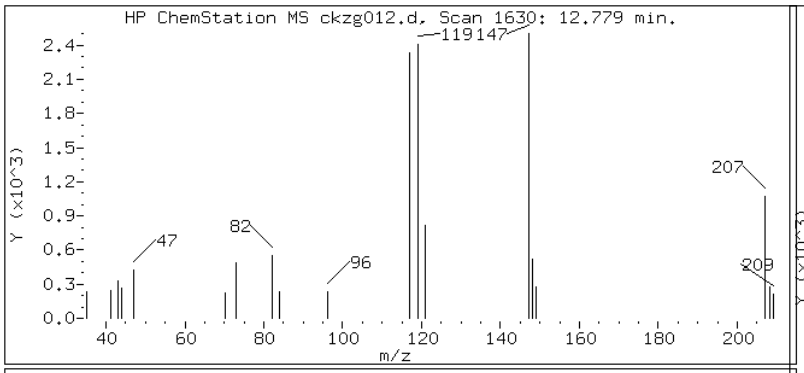
Data File: ckzg012.d

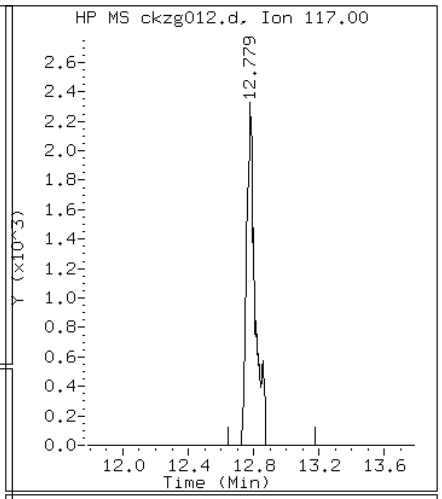
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

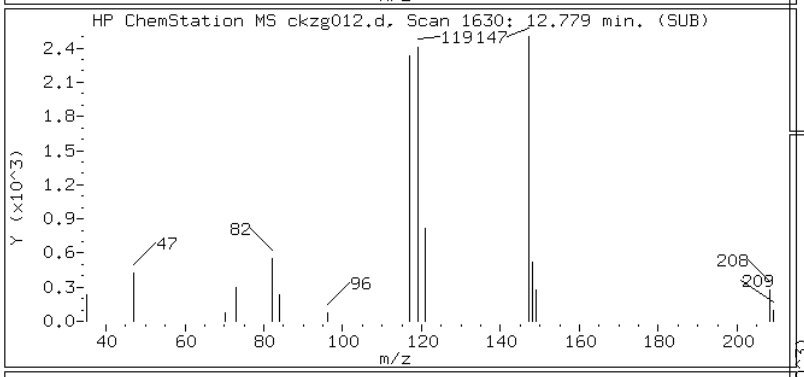
Client ID: 776VMP0301AG Instrument: C.i

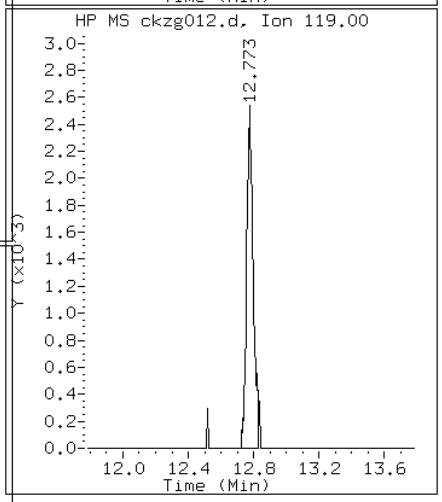
Sample Info: 280-32071-A-6 Operator: pad

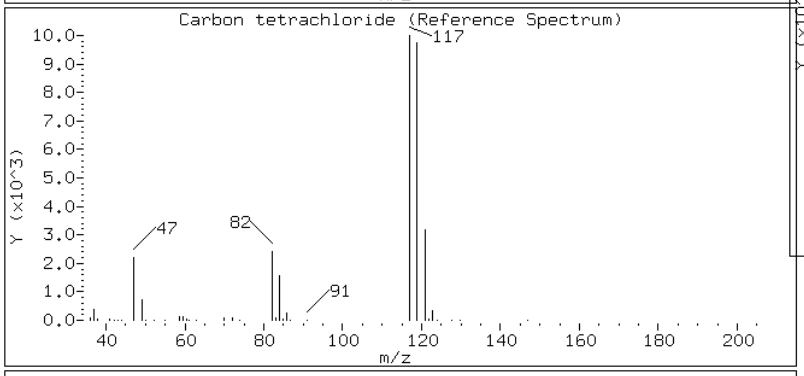
42 Carbon tetrachloride

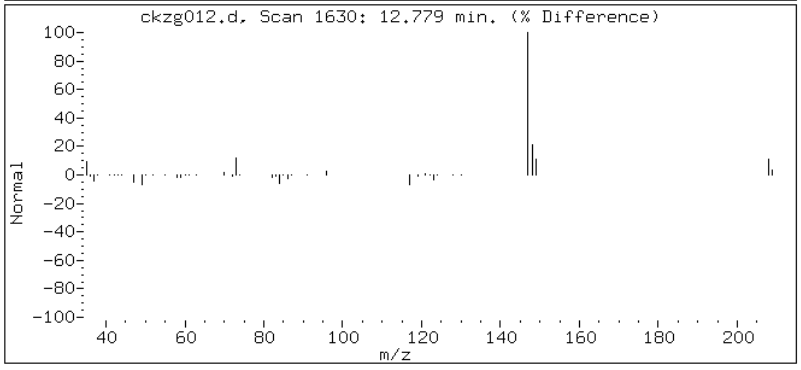












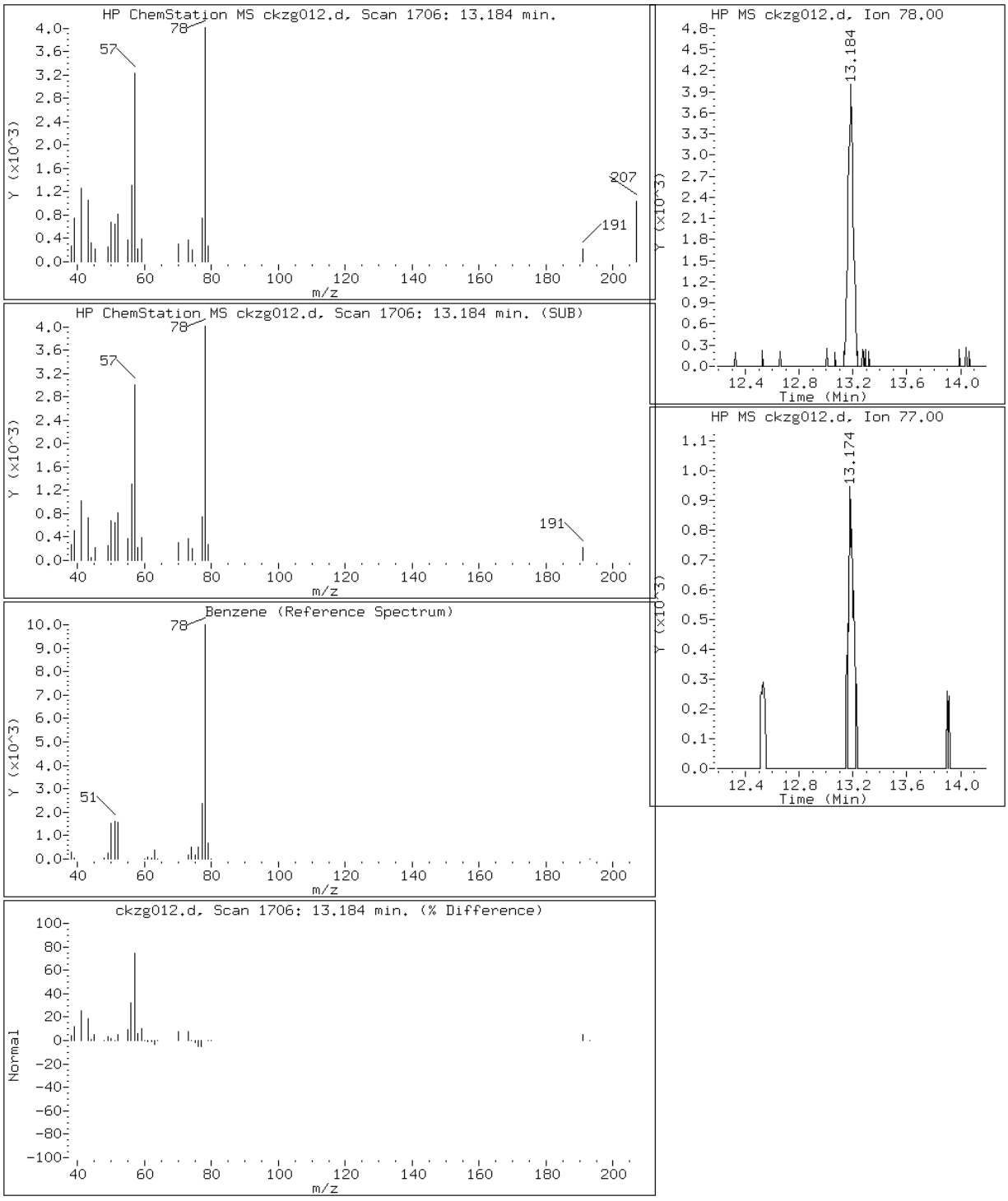
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

44 Benzene



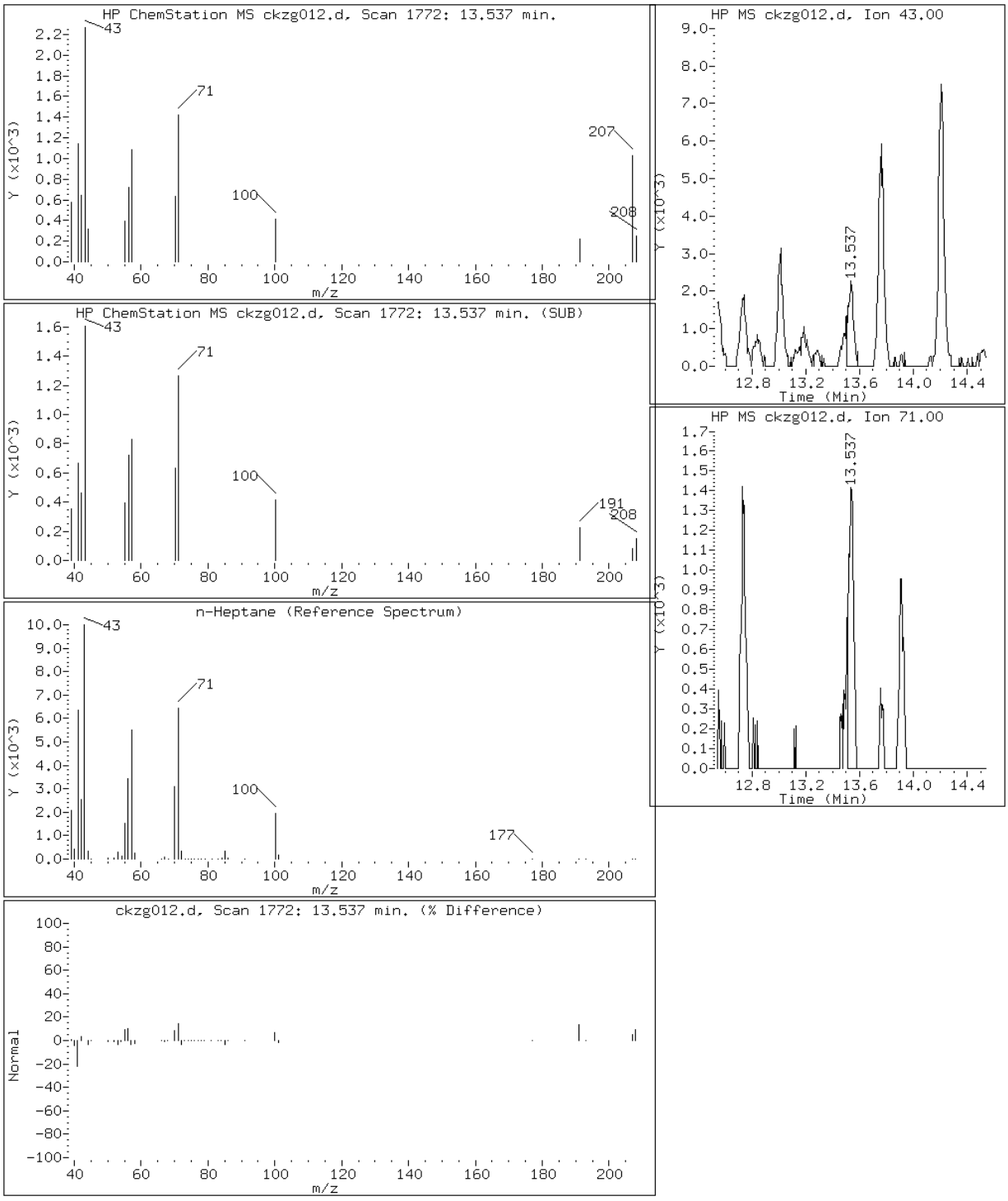
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

46 n-Heptane



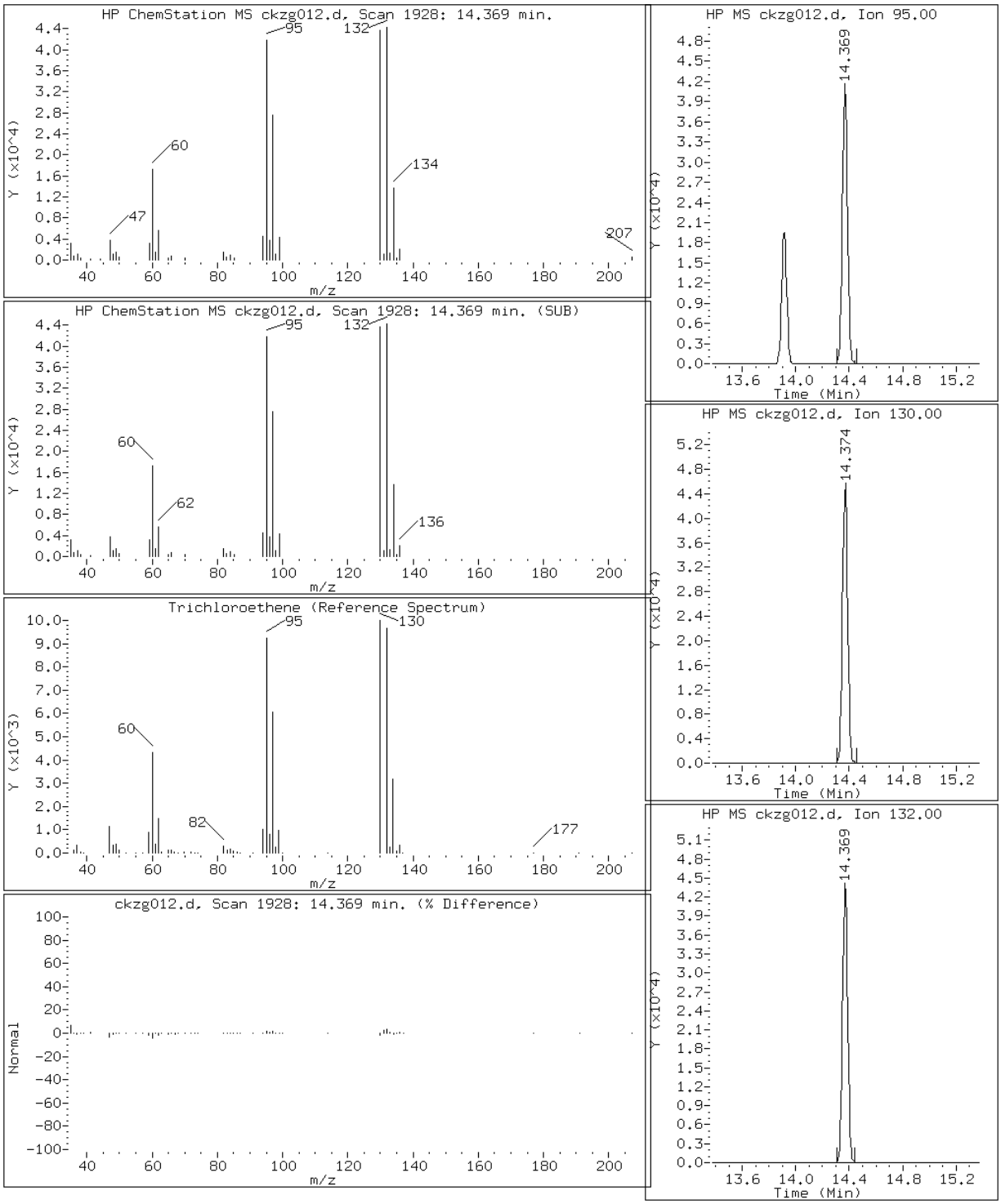
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

49 Trichloroethene



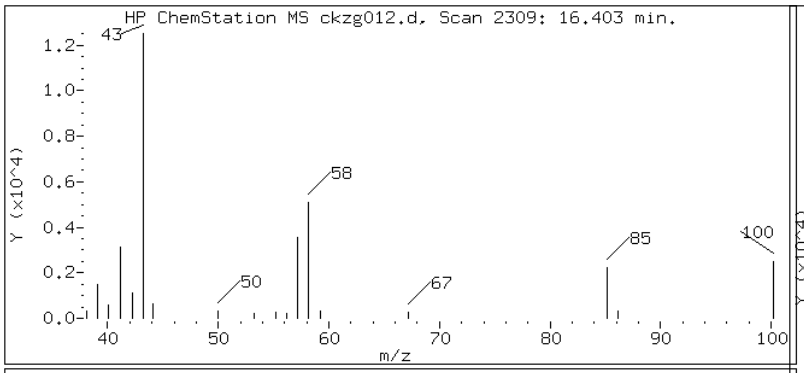
Data File: ckzg012.d

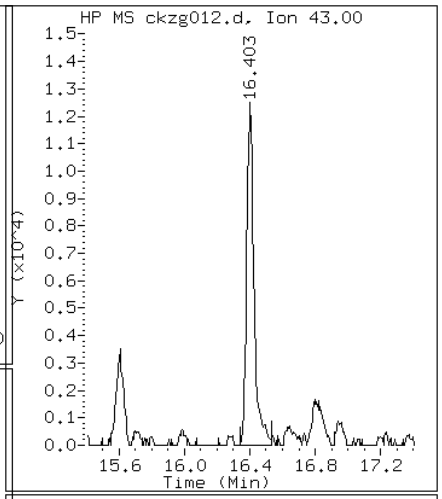
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

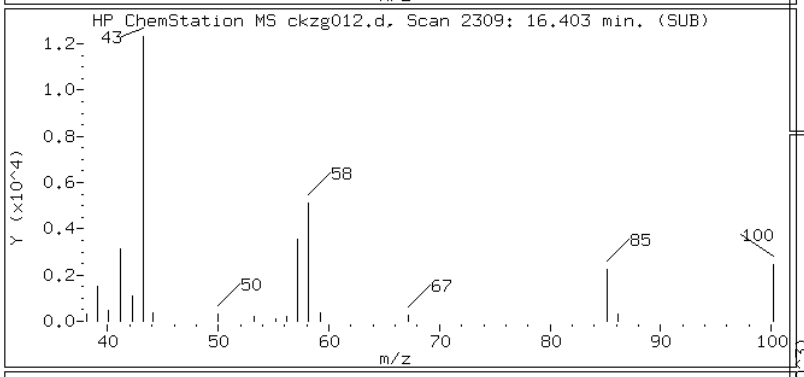
Client ID: 776VMP0301AG Instrument: C.i

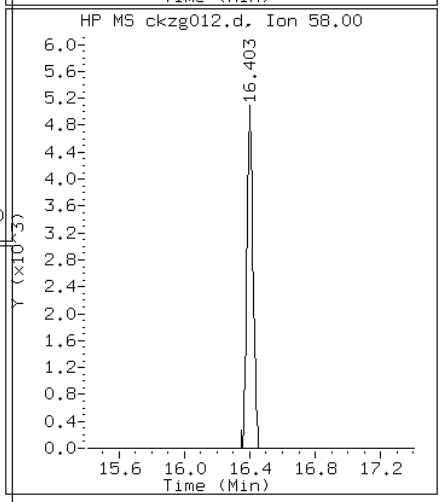
Sample Info: 280-32071-A-6 Operator: pad

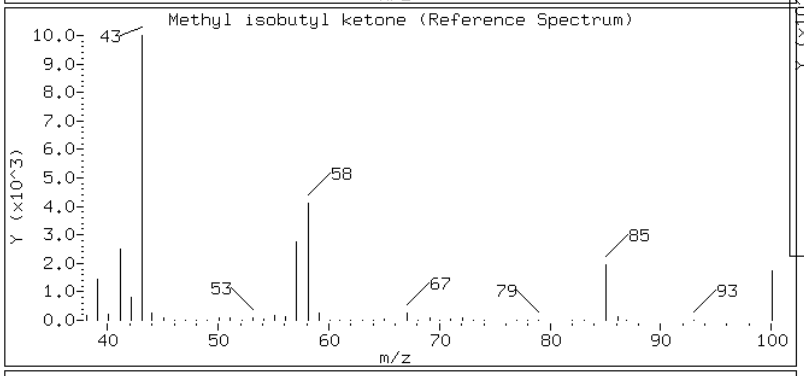
56 Methyl isobutyl ketone

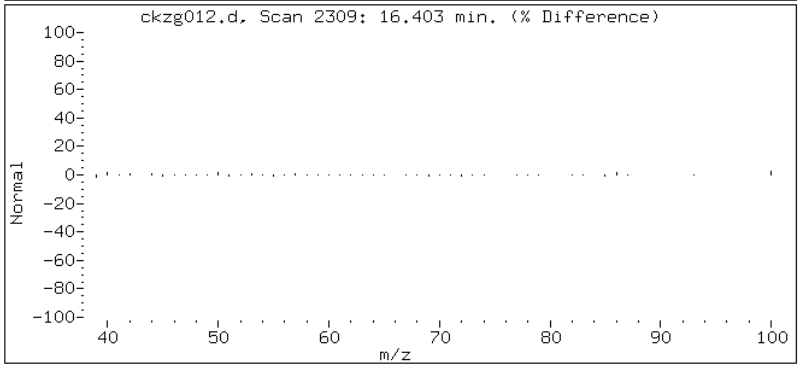












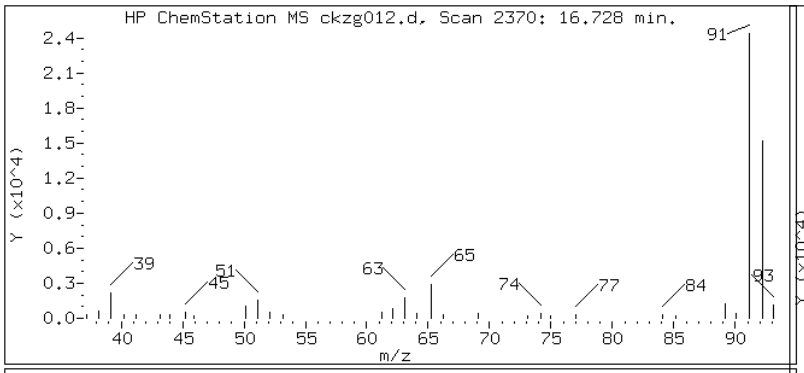
Data File: ckzg012.d

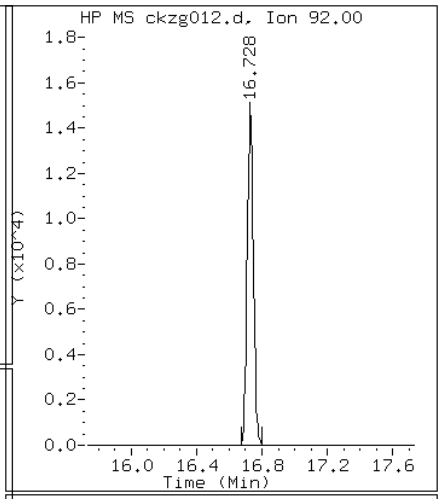
Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

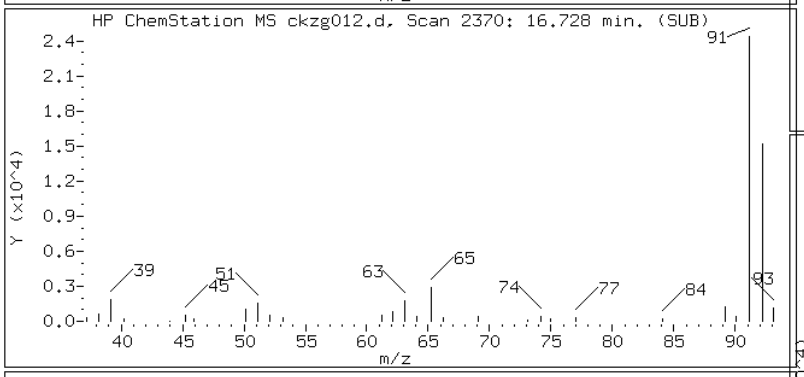
Client ID: 776VMP0301AG Instrument: C.i

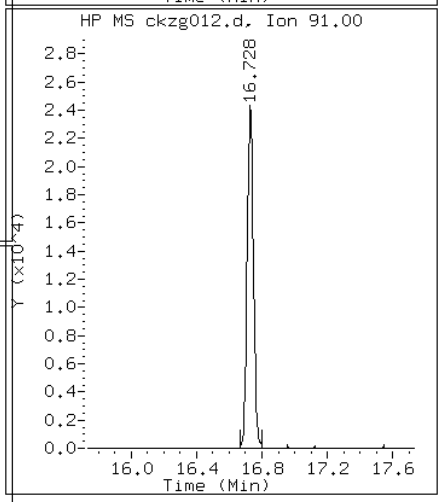
Sample Info: 280-32071-A-6 Operator: pad

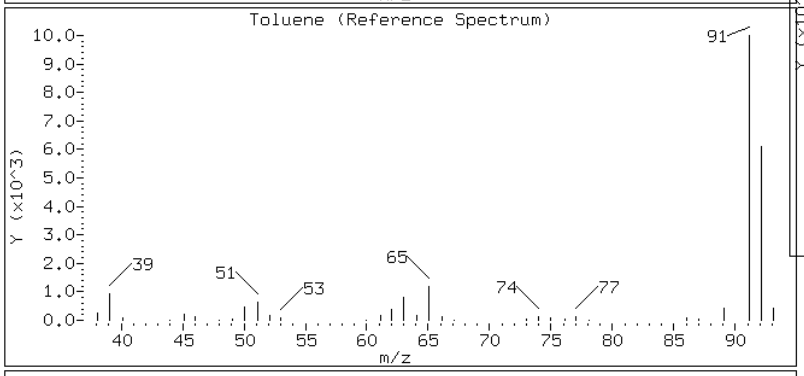
58 Toluene

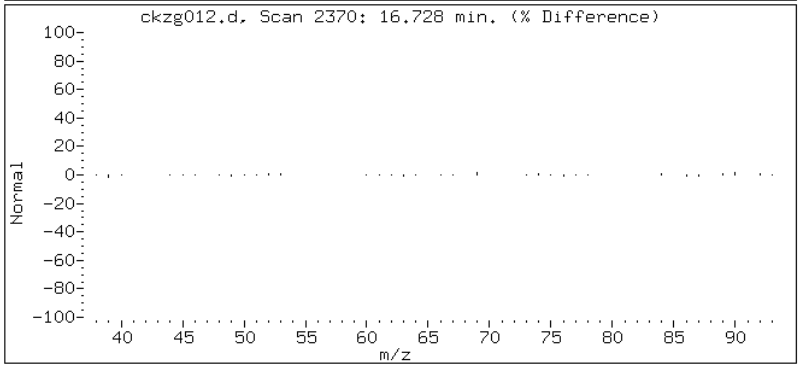












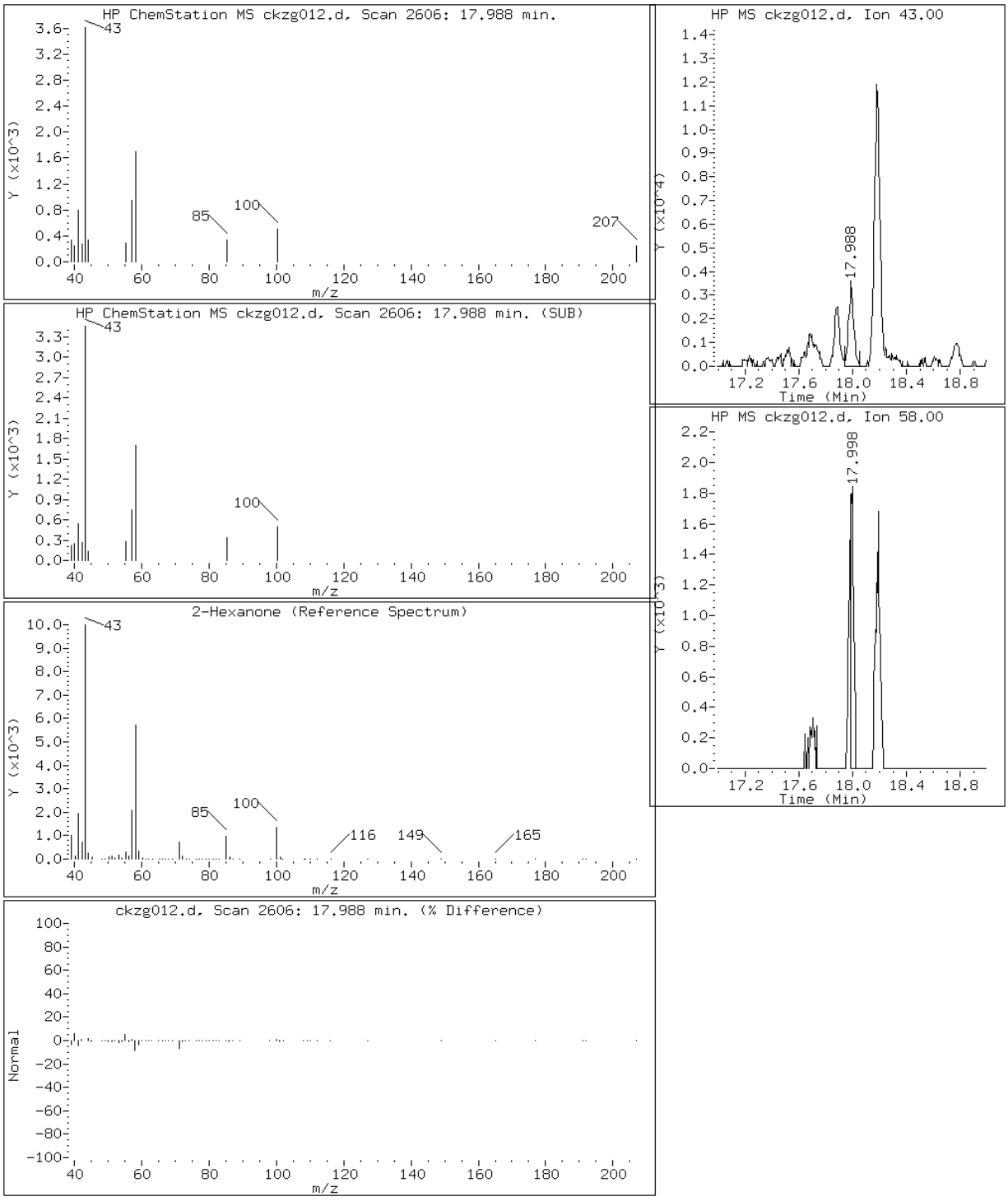
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

62 2-Hexanone



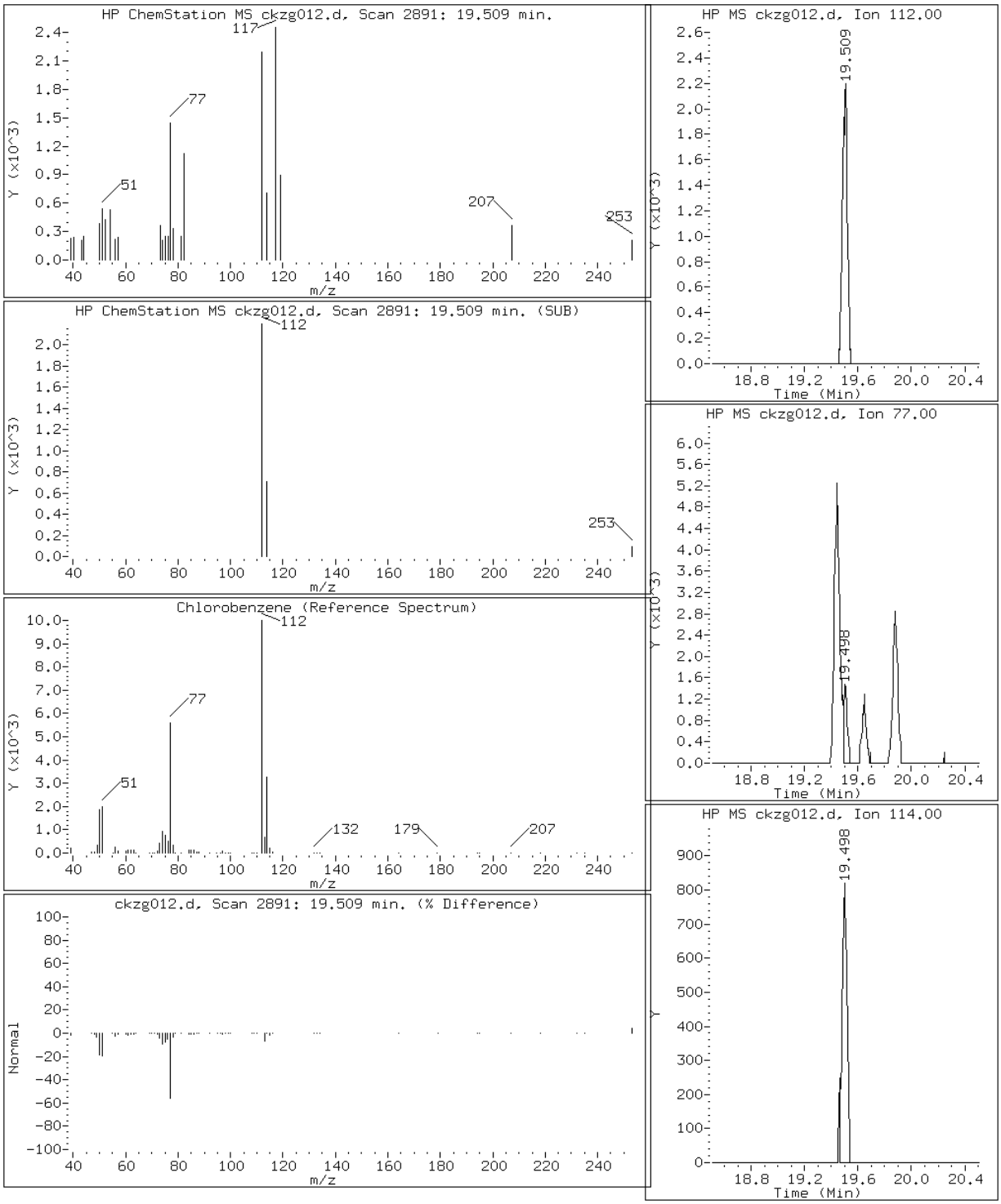
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

66 Chlorobenzene



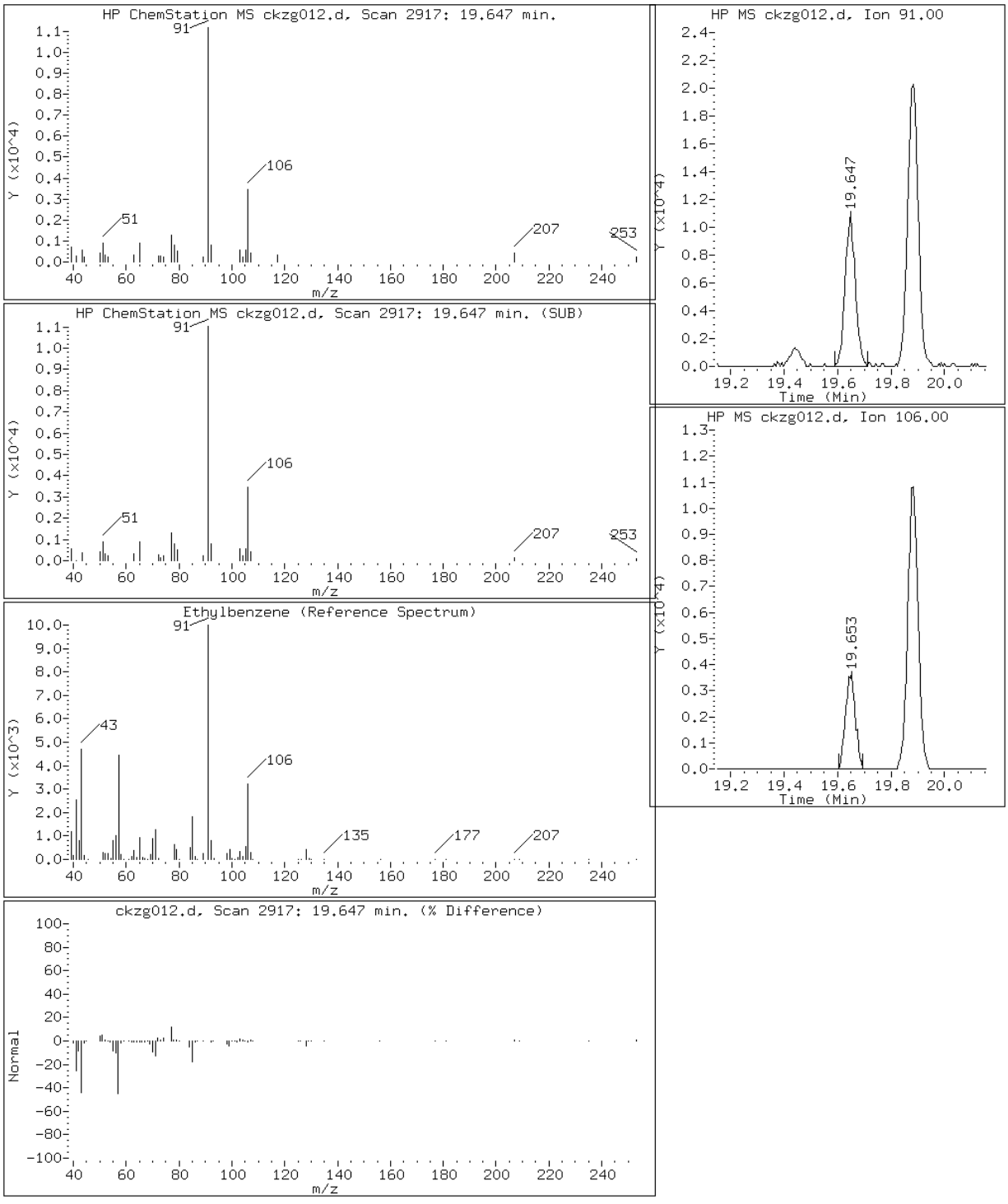
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

68 Ethylbenzene



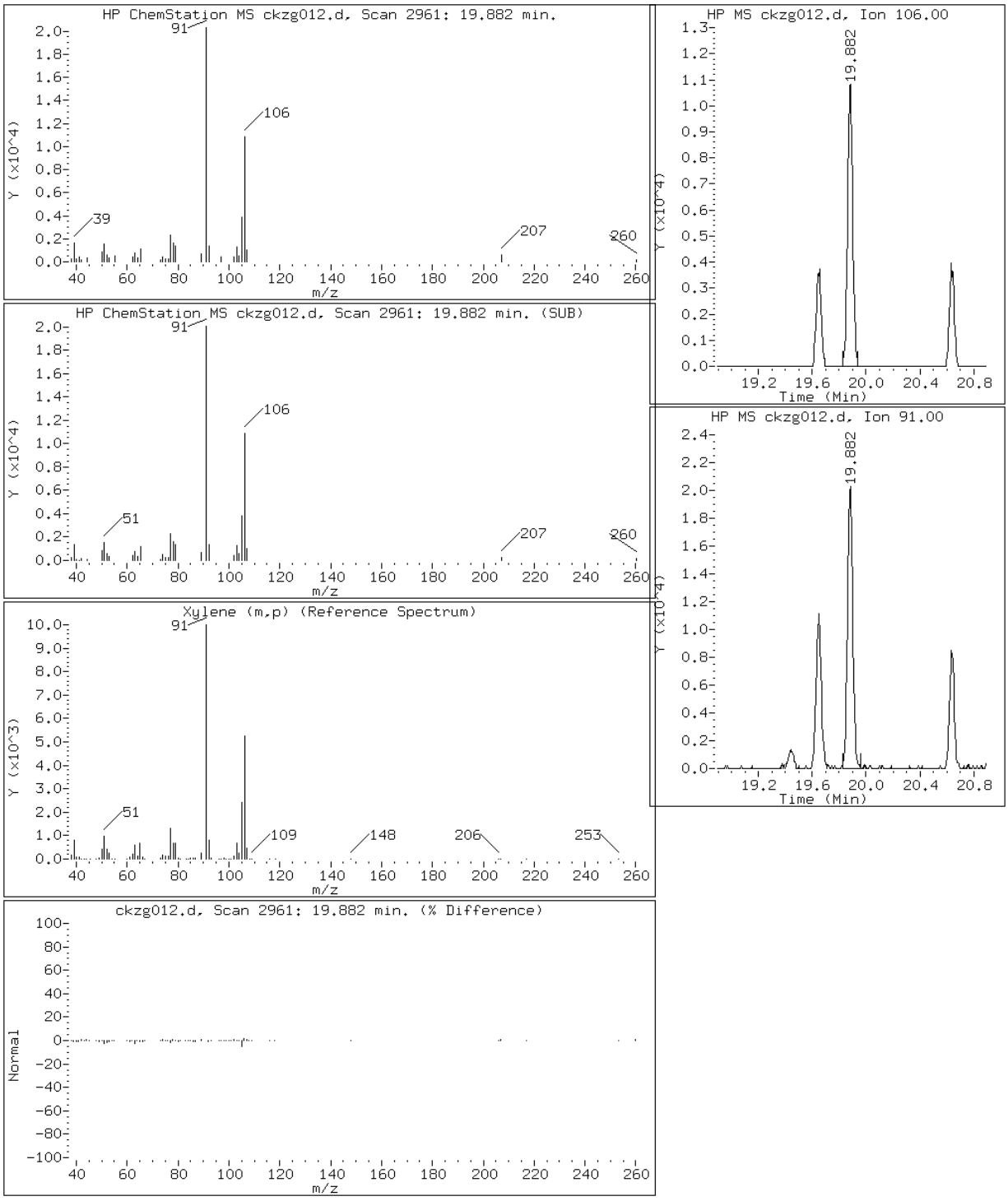
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

69 Xylene (m,p)



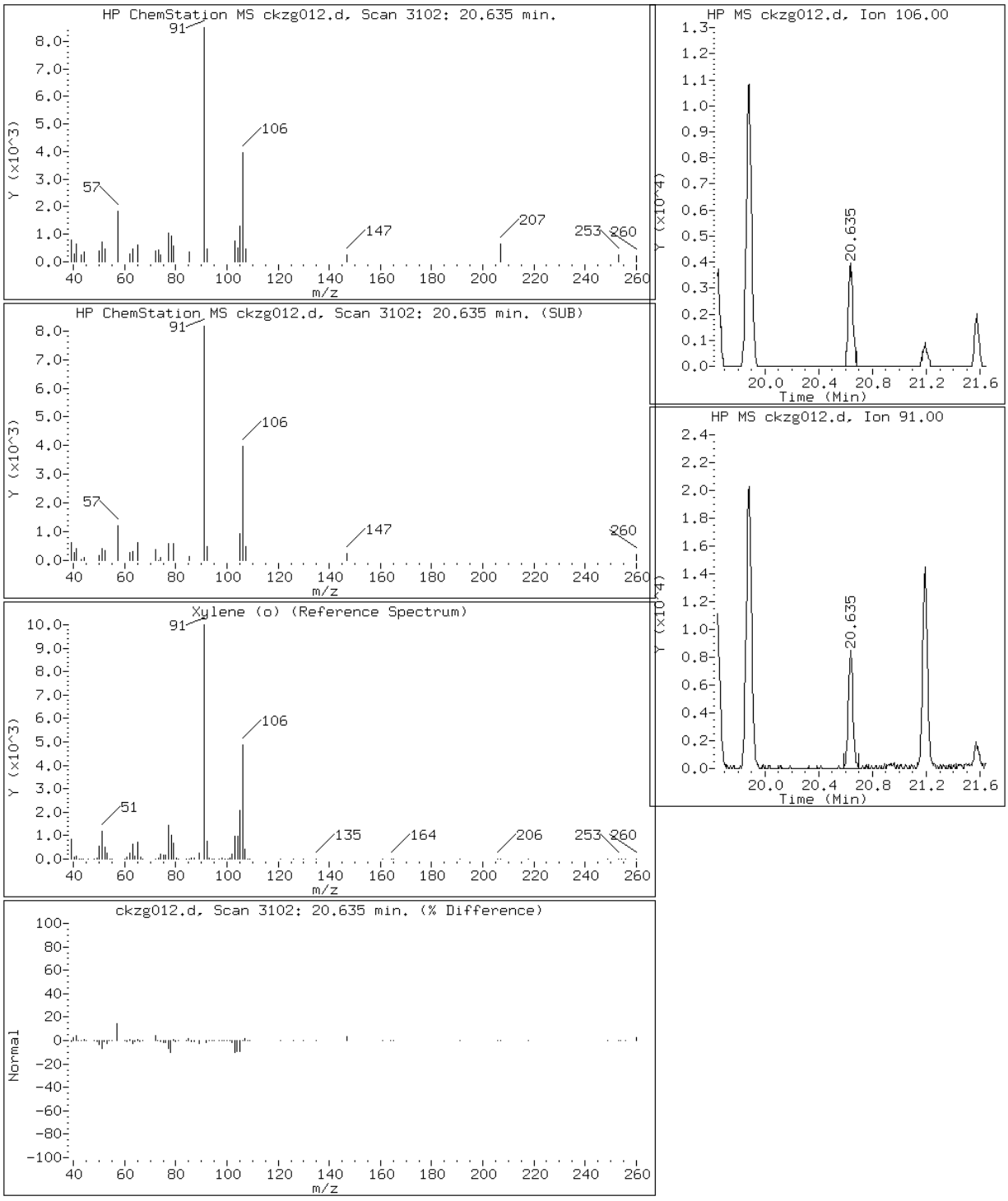
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

71 Xylene (o)



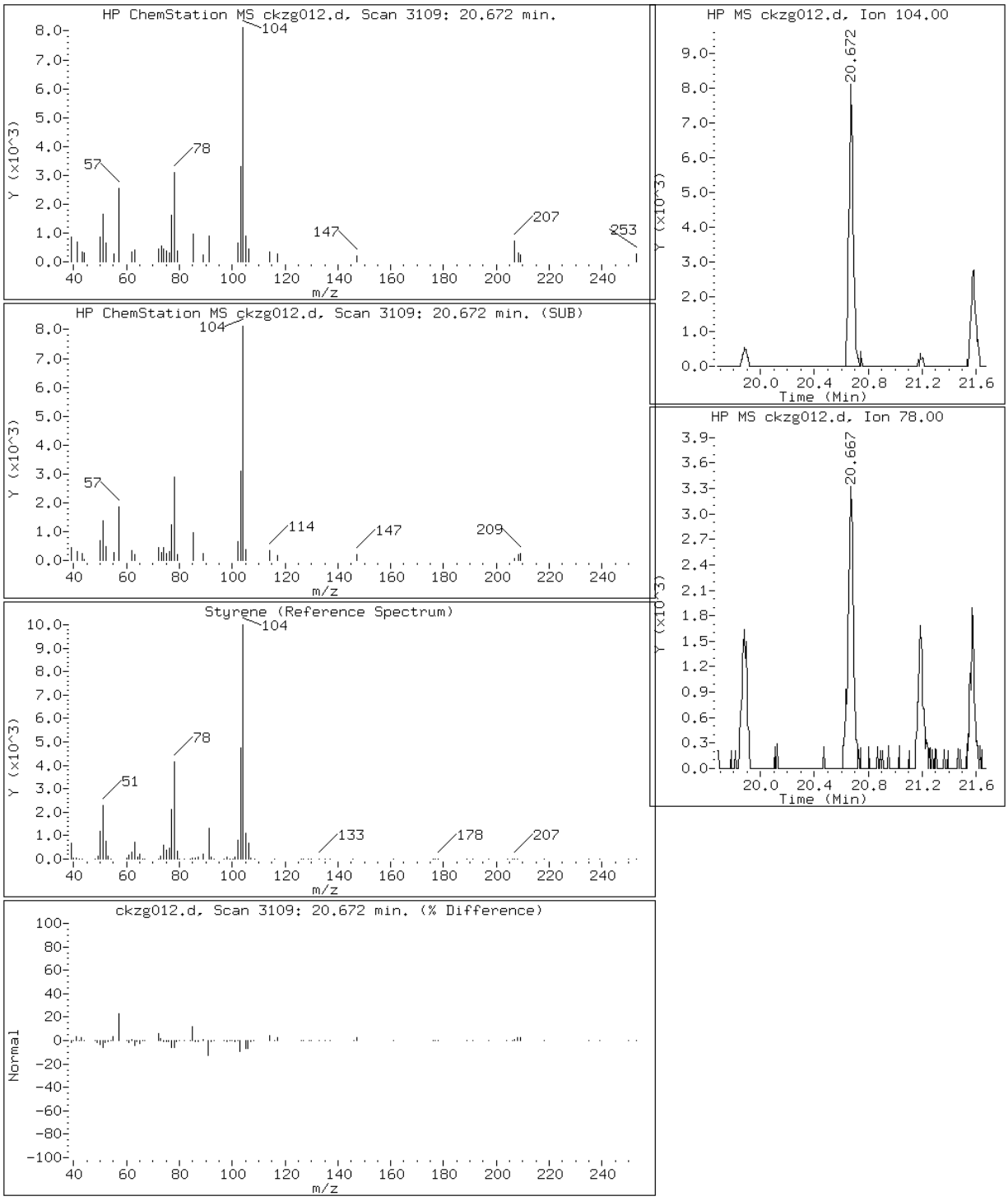
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

72 Styrene



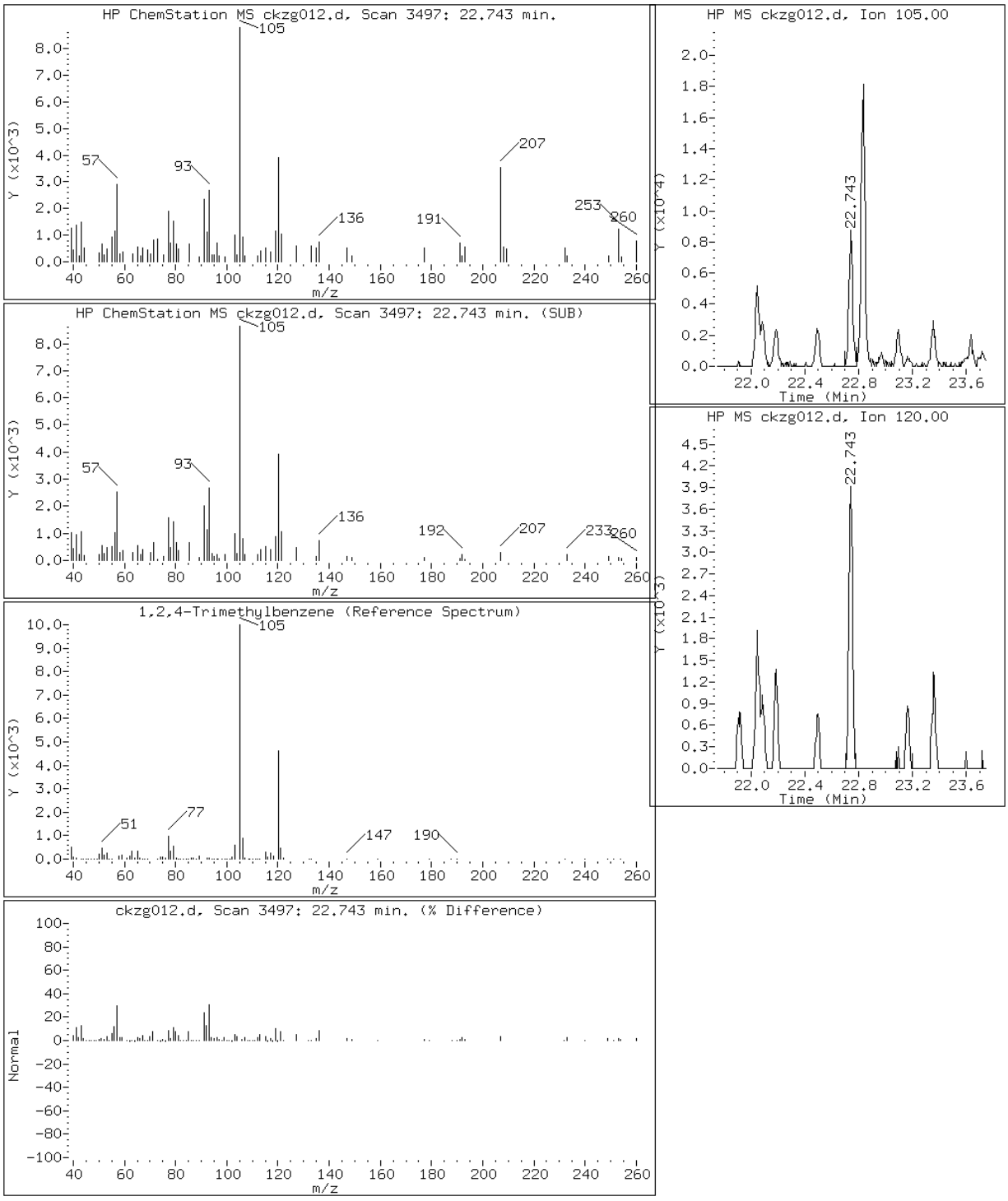
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

84 1,2,4-Trimethylbenzene



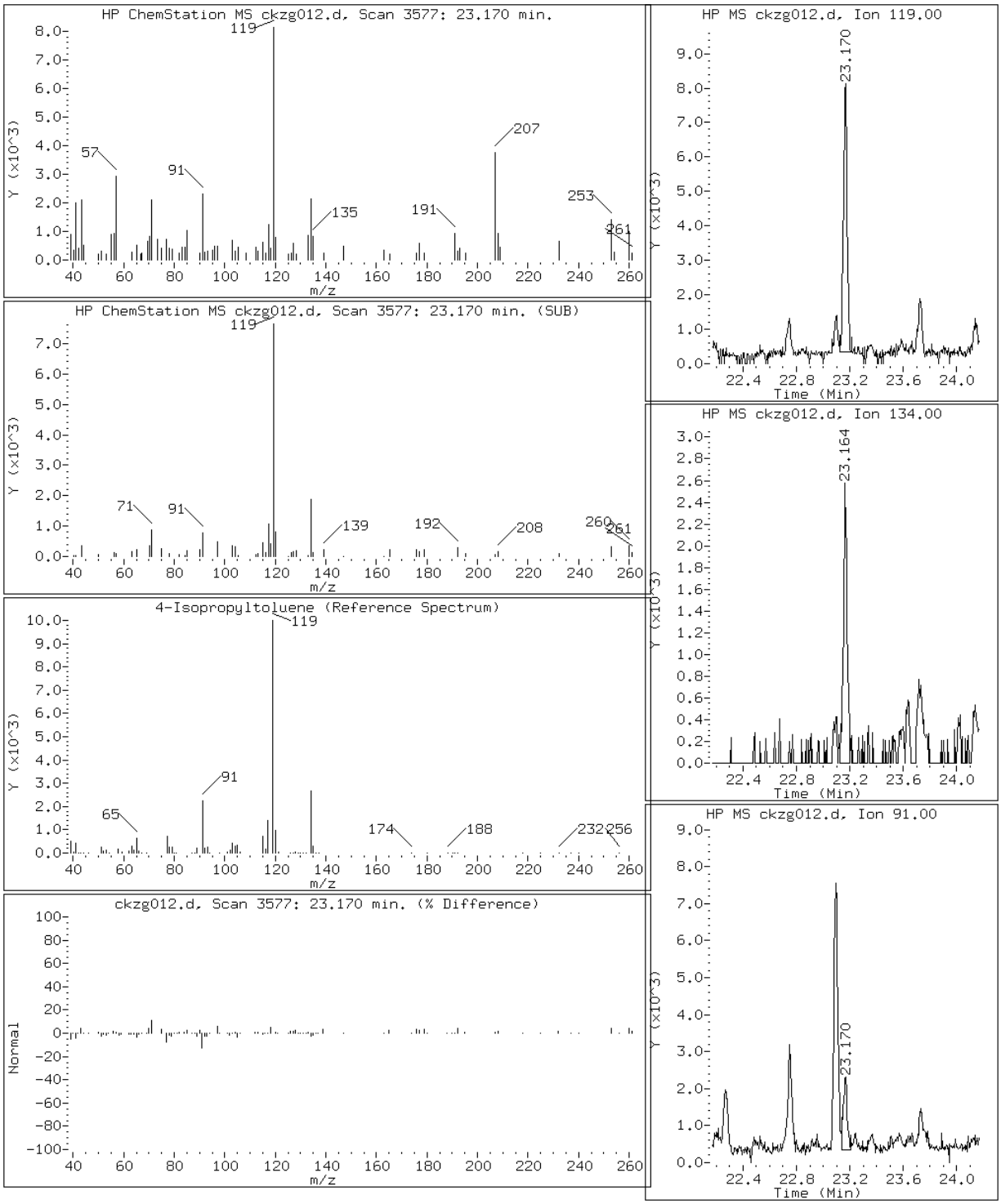
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

86 4-Isopropyltoluene



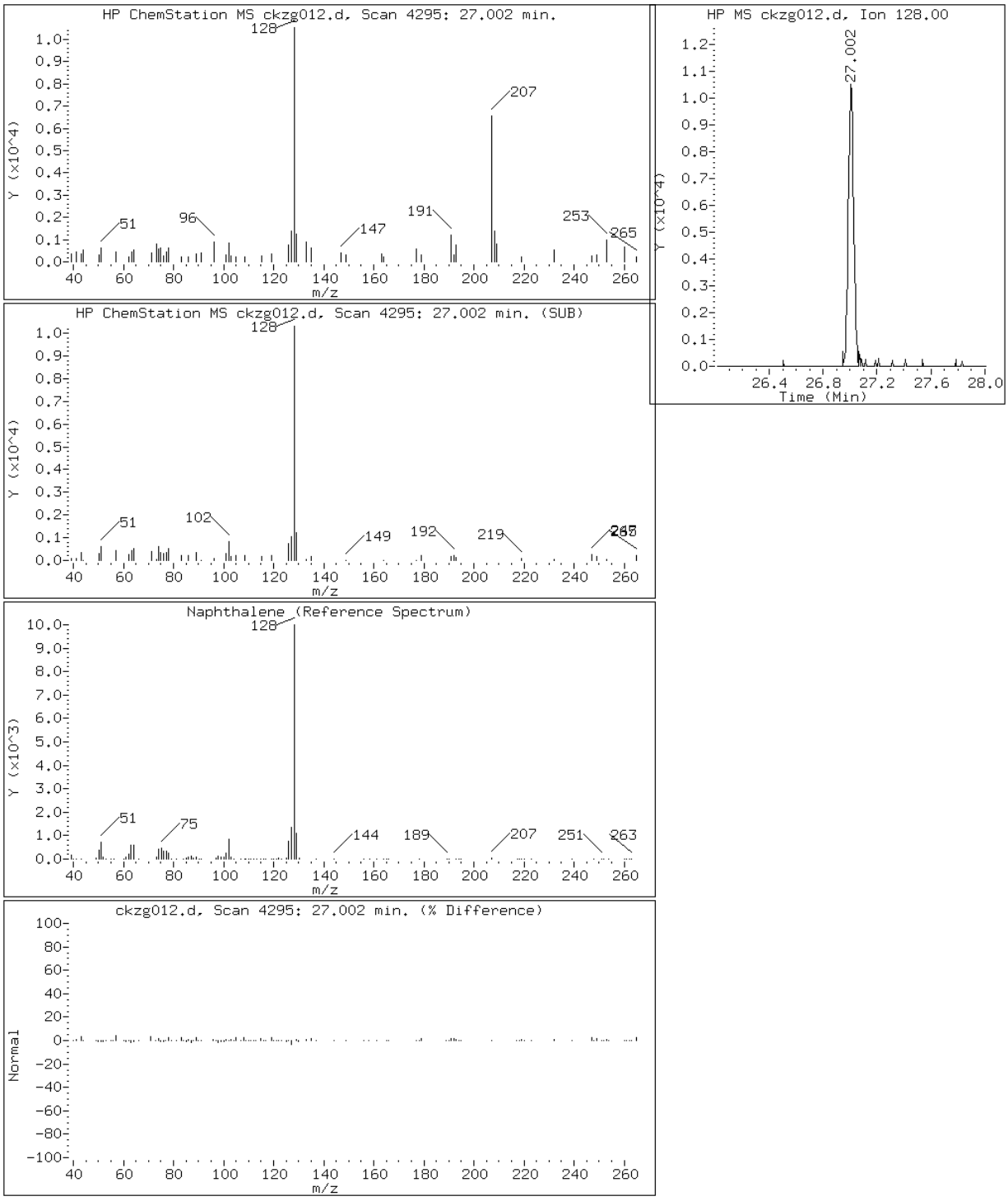
Data File: ckzg012.d

Lab Sample ID: 280-32071-6 Date: 22-AUG-2012 21:32

Client ID: 776VMP0301AG Instrument: C.i

Sample Info: 280-32071-A-6 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg012.d
Lab Sample ID: 280-32071-6
Inj. Date and Time: 22-AUG-2012 21:32
Instrument ID: C.i
Client ID: 776VMP0301AG
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/28/2012

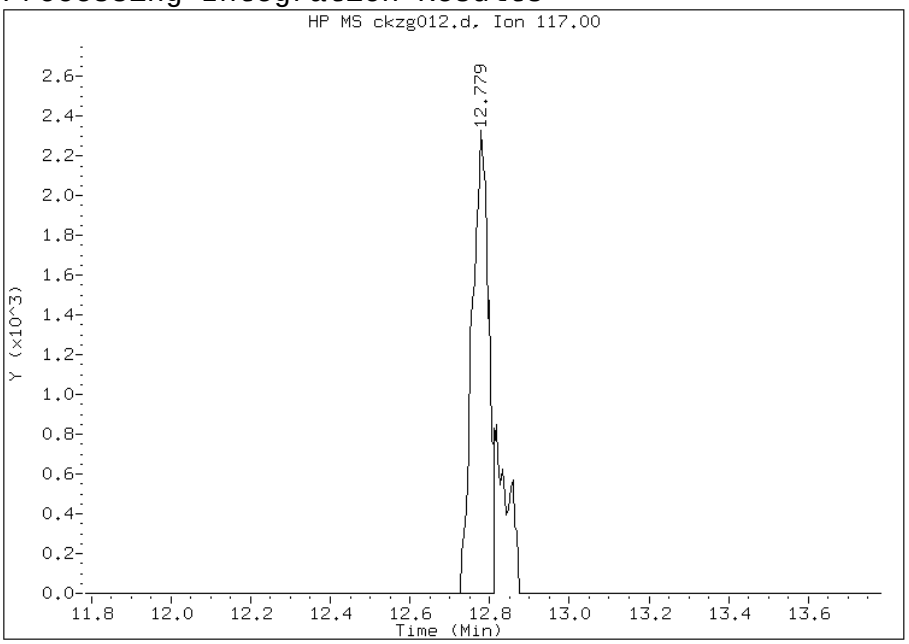
Processing Integration Results

RT: 12.78

Response: 6633

Amount: 0.074102

Conc: 0.074102



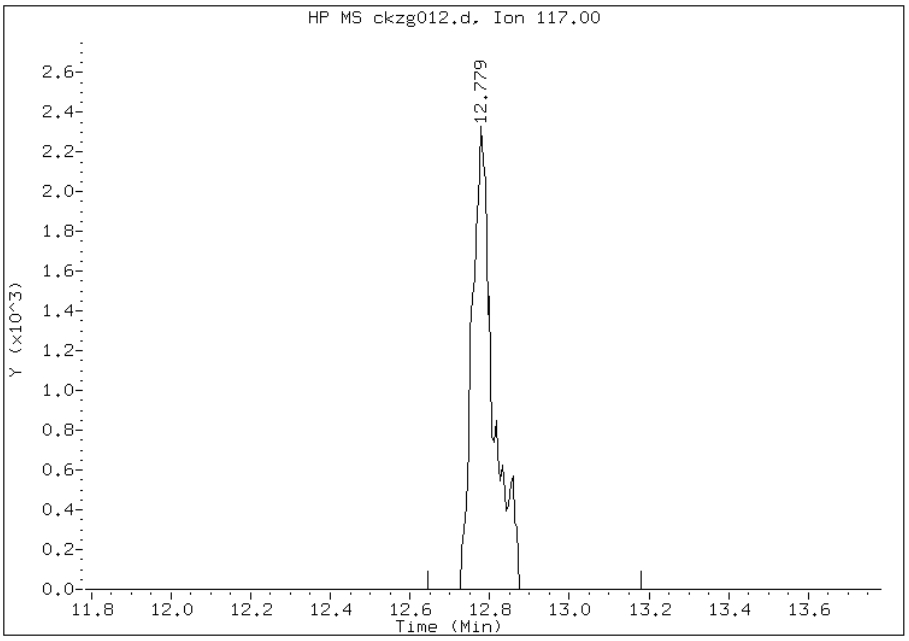
Manual Integration Results

RT: 12.78

Response: 8484

Amount: 0.094781

Conc: 0.094781



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774IA1AH Lab Sample ID: 280-32071-7

Matrix: Air Lab File ID: ckzg013.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.48	J	0.50	0.020
75-45-6	Freon 22	86.47	11		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.56		0.50	0.034
106-97-8	n-Butane	58.12	0.14	J	0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.88		0.20	0.021
76-13-1	Freon TF	187.38	0.074	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	13		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	3.4	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.13	J M	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.080	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.75		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.058	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.080	U	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.040	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.072	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.040	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774IA1AH Lab Sample ID: 280-32071-7

Matrix: Air Lab File ID: ckzg013.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.040	U	0.20	0.017
79-01-6	Trichloroethene	131.39	0.065	J	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.090	J	0.50	0.034
108-88-3	Toluene	92.14	0.13	J	0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.15	J M	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.040	U	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.040	U	0.50	0.022
95-47-6	Xylene, o-	106.17	0.040	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.040	U	0.20	0.016
100-42-5	Styrene	104.15	0.040	U	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.080	U	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774IA1AH Lab Sample ID: 280-32071-7

Matrix: Air Lab File ID: ckzg013.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774IA1AH Lab Sample ID: 280-32071-7

Matrix: Air Lab File ID: ckzg013.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	40		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.2		1.0	0.070
106-97-8	n-Butane	58.12	0.32	J	1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	5.0		1.1	0.12
76-13-1	Freon TF	187.38	0.56	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	32		12	0.95
67-63-0	Isopropyl alcohol	60.10	8.3	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.45	J M	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.28	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	2.2		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.28	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.24	U	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.14	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.45	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.13	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774IA1AH Lab Sample ID: 280-32071-7

Matrix: Air Lab File ID: ckzg013.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.82	0.070
79-01-6	Trichloroethene	131.39	0.35	J	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.37	J	2.0	0.14
108-88-3	Toluene	92.14	0.47	J	0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.62	J M	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.17	U	0.87	0.065
179601-23-1	m,p-Xylene	106.17	0.17	U	2.2	0.096
95-47-6	Xylene, o-	106.17	0.17	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.17	U	0.87	0.069
100-42-5	Styrene	104.15	0.17	U	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.39	U	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774IA1AH Lab Sample ID: 280-32071-7

Matrix: Air Lab File ID: ckzg013.d

Analysis Method: TO-15 Date Collected: 08/06/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-7
Client Smp ID: 774IA1AH
Inj Date : 22-AUG-2012 22:25
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-7
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	44291	0.47814	0.48(a)
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	533569	11.4300	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.795	4.811	(0.397)	14399	0.55741	0.56
6 Butane	43	5.067	5.078	(0.419)	6190	0.13548	0.14(a)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.566)	86241	0.88277	0.88
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	5033	0.07368	0.074(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.258	8.269	(0.683)	498971	13.4319	13
21 Carbon disulfide	76	Compound Not Detected.					

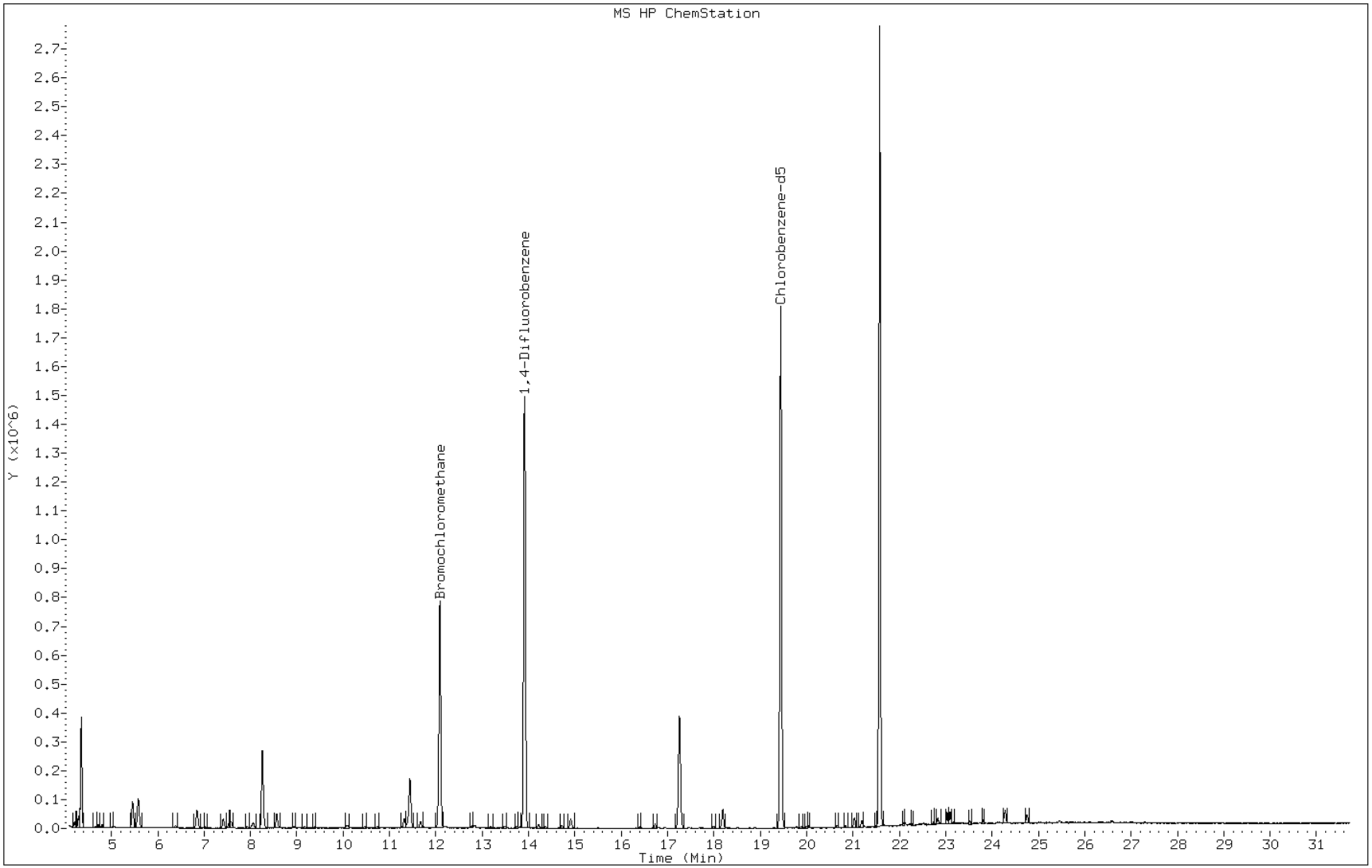
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	22 Isopropanol	45	8.568	8.573	(0.709)	88244	3.38101	3.4(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.171	9.177	(0.759)	4098	0.12932	0.13(aM)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.966)	10564	0.74842	0.75(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	337372	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	12.202	12.213	(1.010)	4389	0.05824	0.058(a)
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.779	12.784	(0.918)	6507	0.07157	0.072(a)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1886644	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	3392	0.06450	0.065(a)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	4733	0.08972	0.090(a)
	58 Toluene	92	16.723	16.734	(0.860)	10582	0.12504	0.13(a)
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.988	17.993	(0.925)	7424	0.15060	0.15(aM)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1765351	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg013.d	Date:	22-AUG-2012 22:25
Client ID:	774IA1AH	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-7		
Lab Sample ID:	280-32071-7		



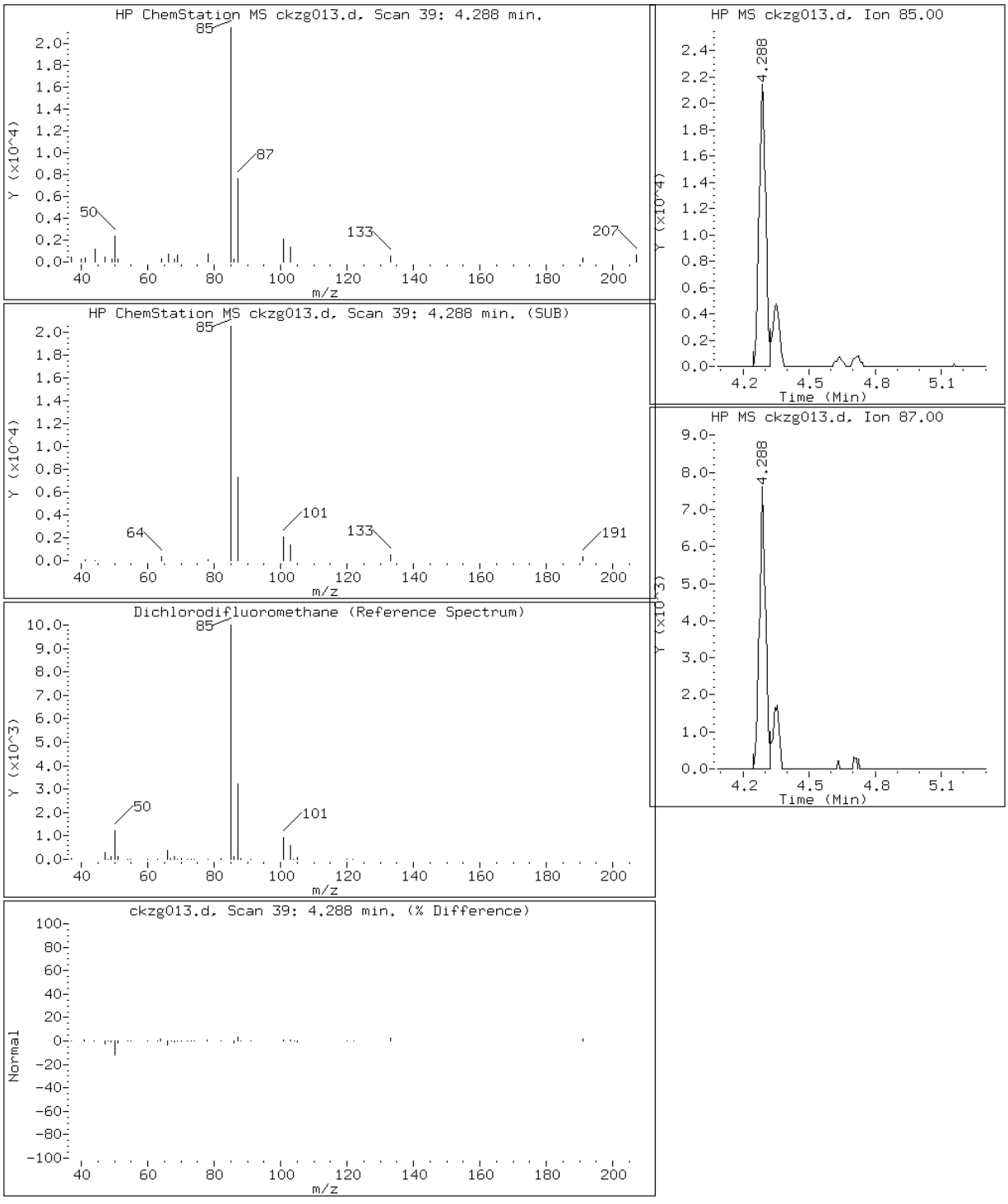
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

2 Dichlorodifluoromethane



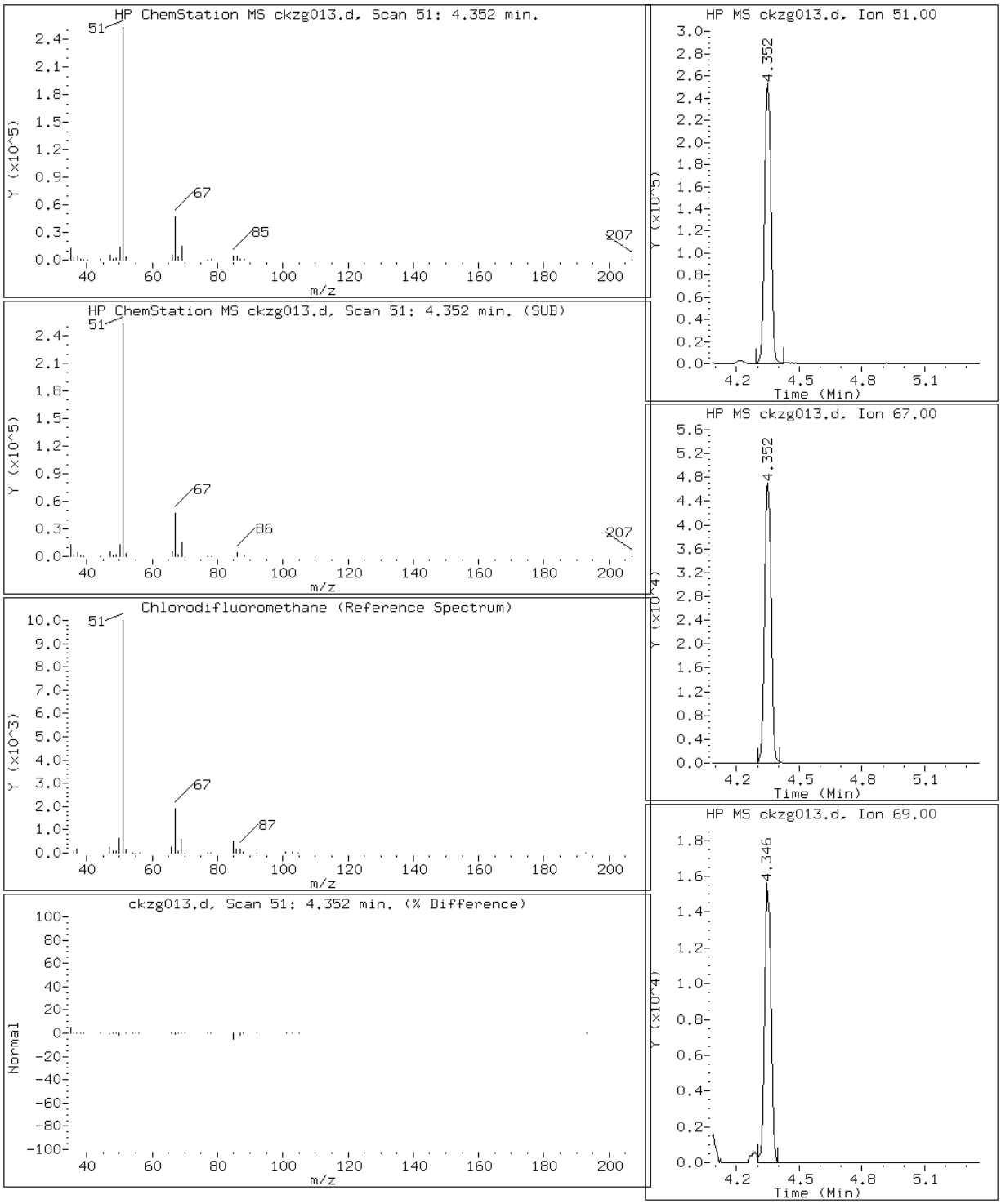
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

3 Chlorodifluoromethane



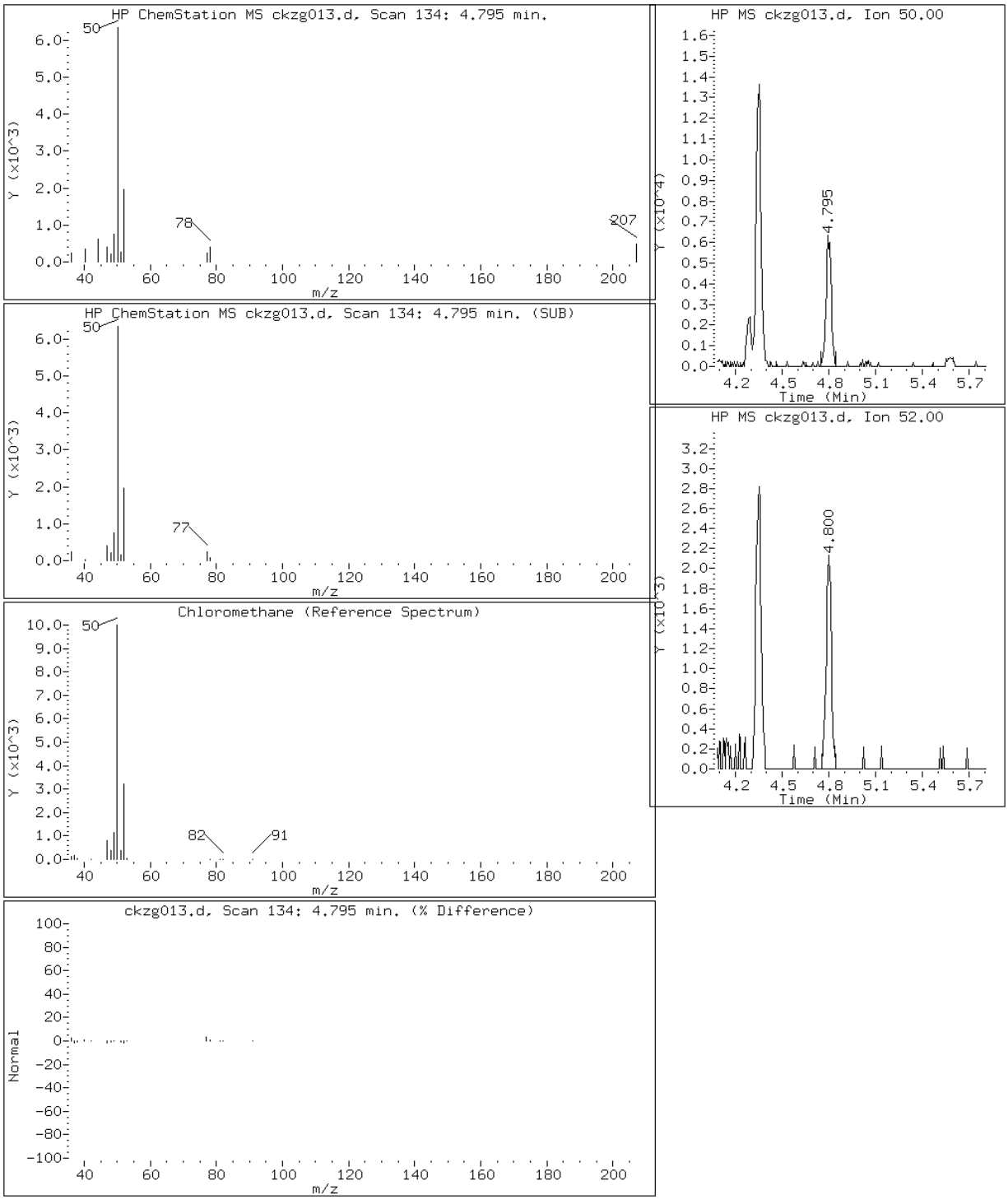
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

5 Chloromethane



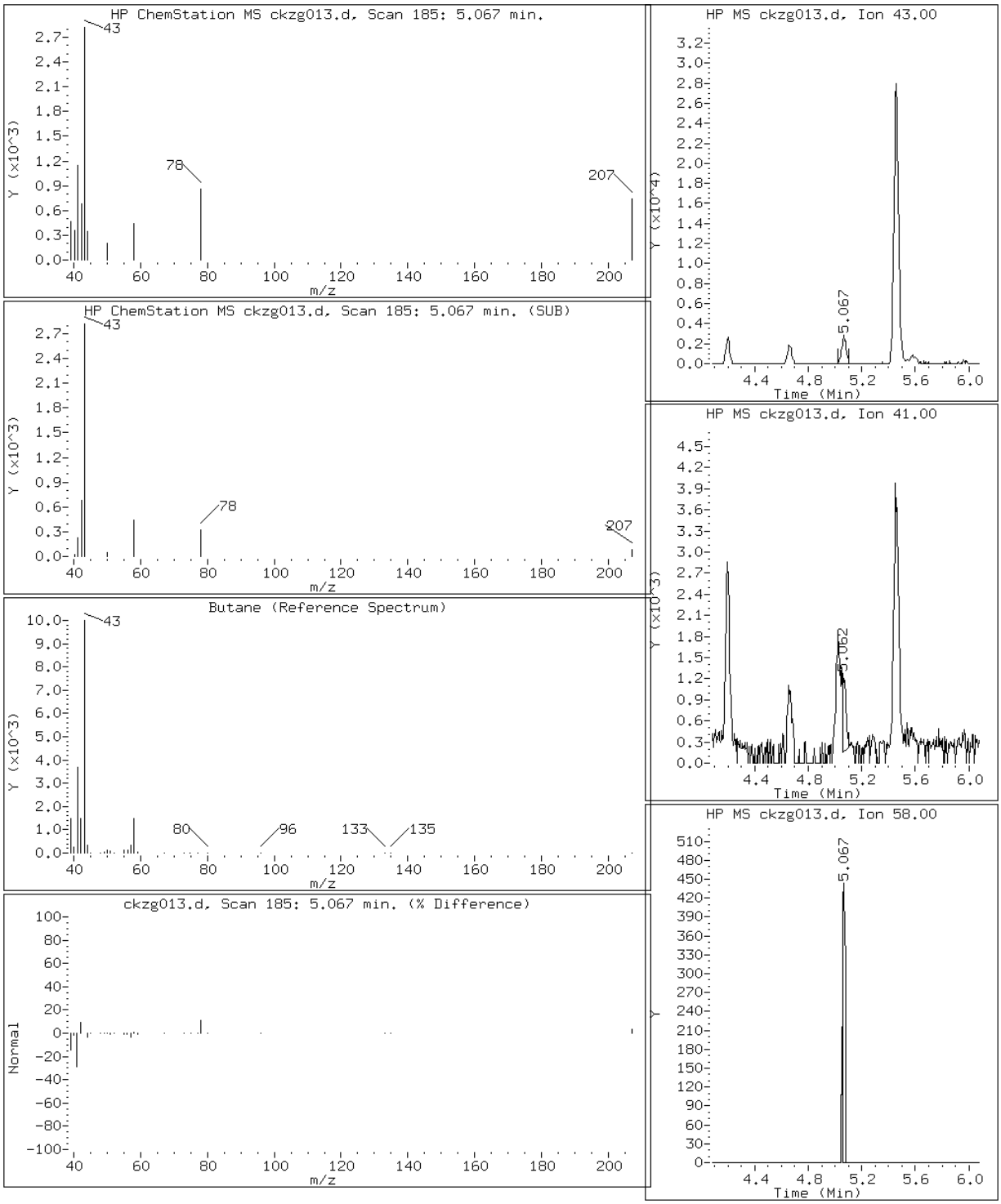
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

6 Butane



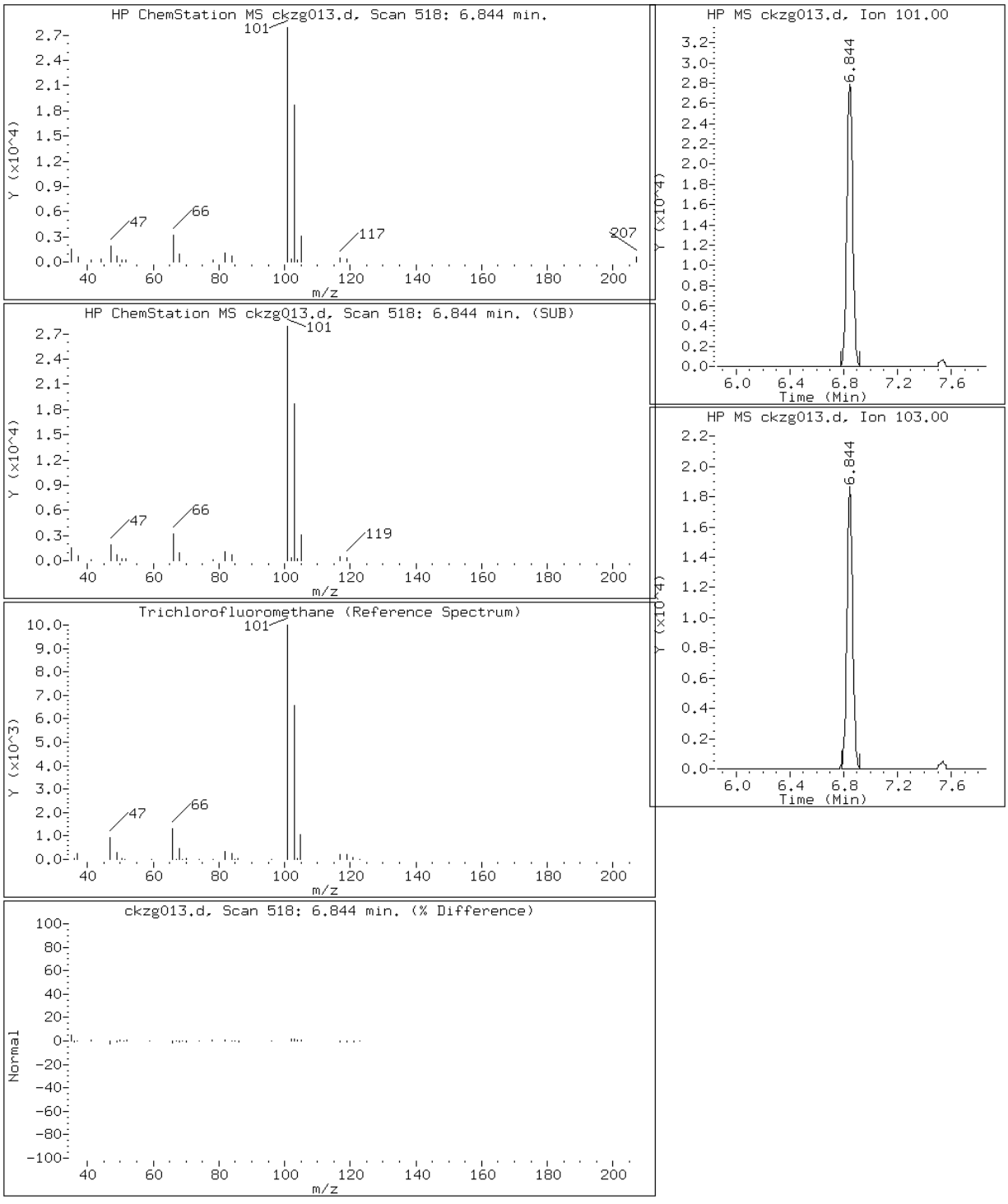
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

13 Trichlorofluoromethane



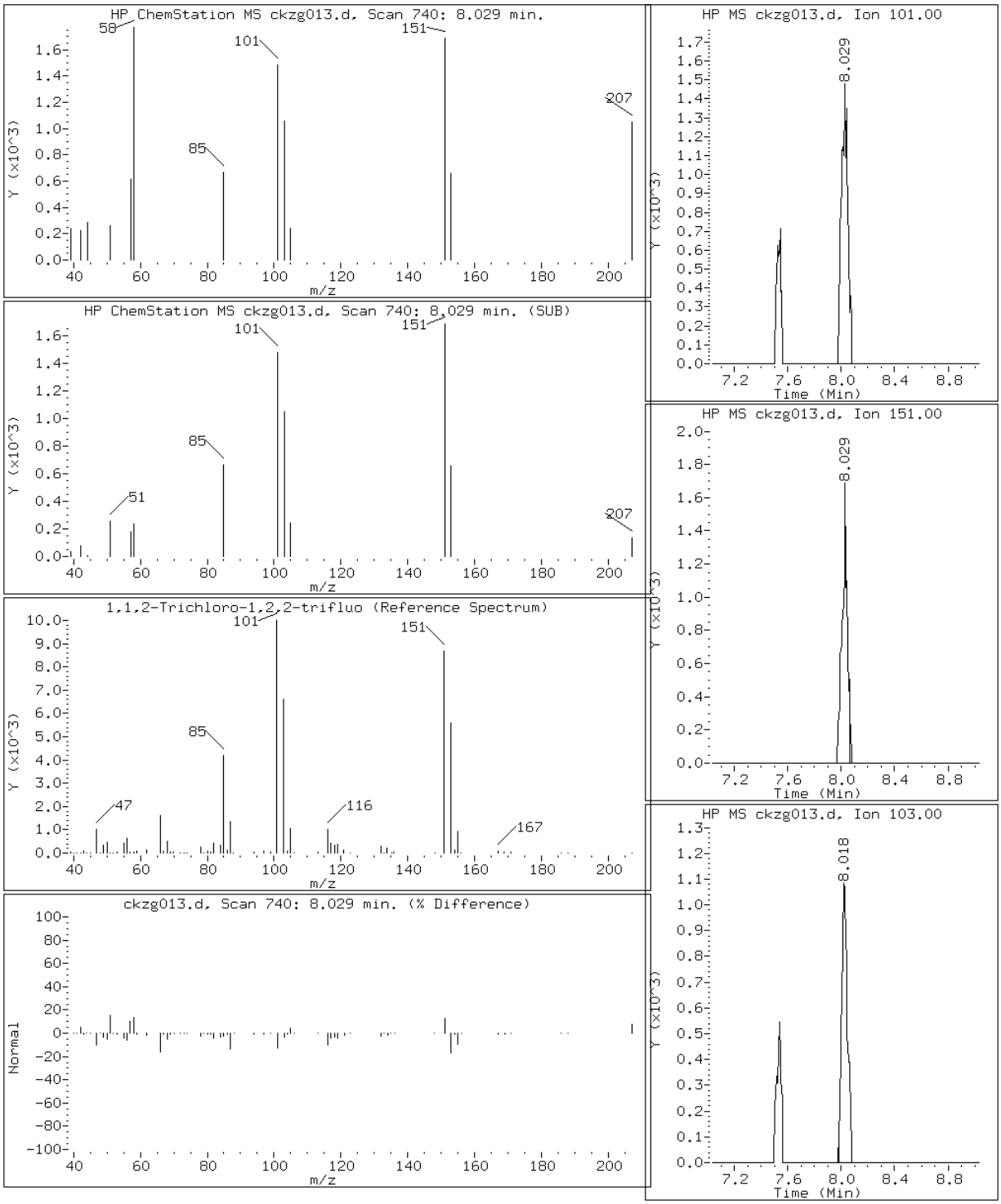
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



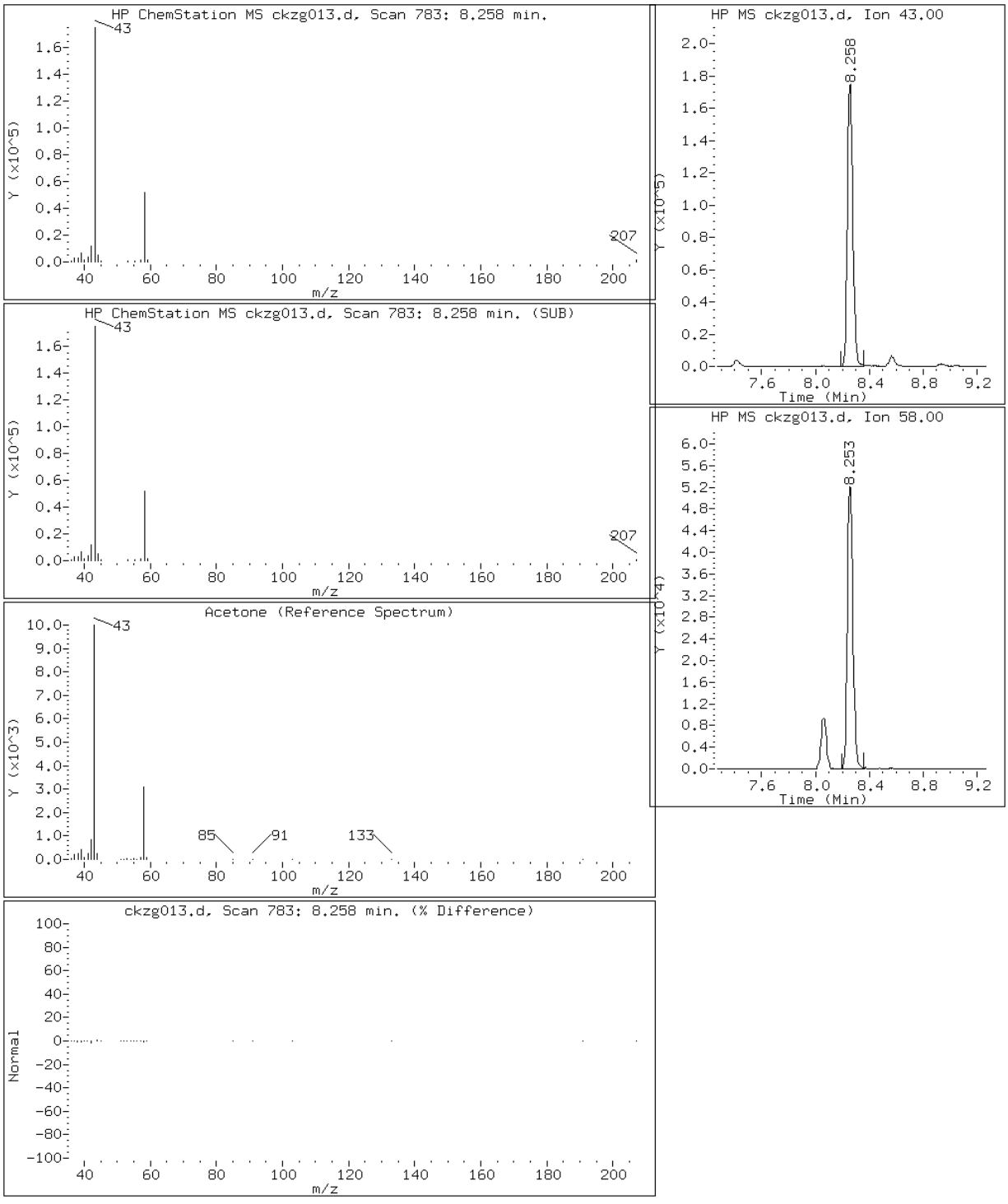
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

20 Acetone



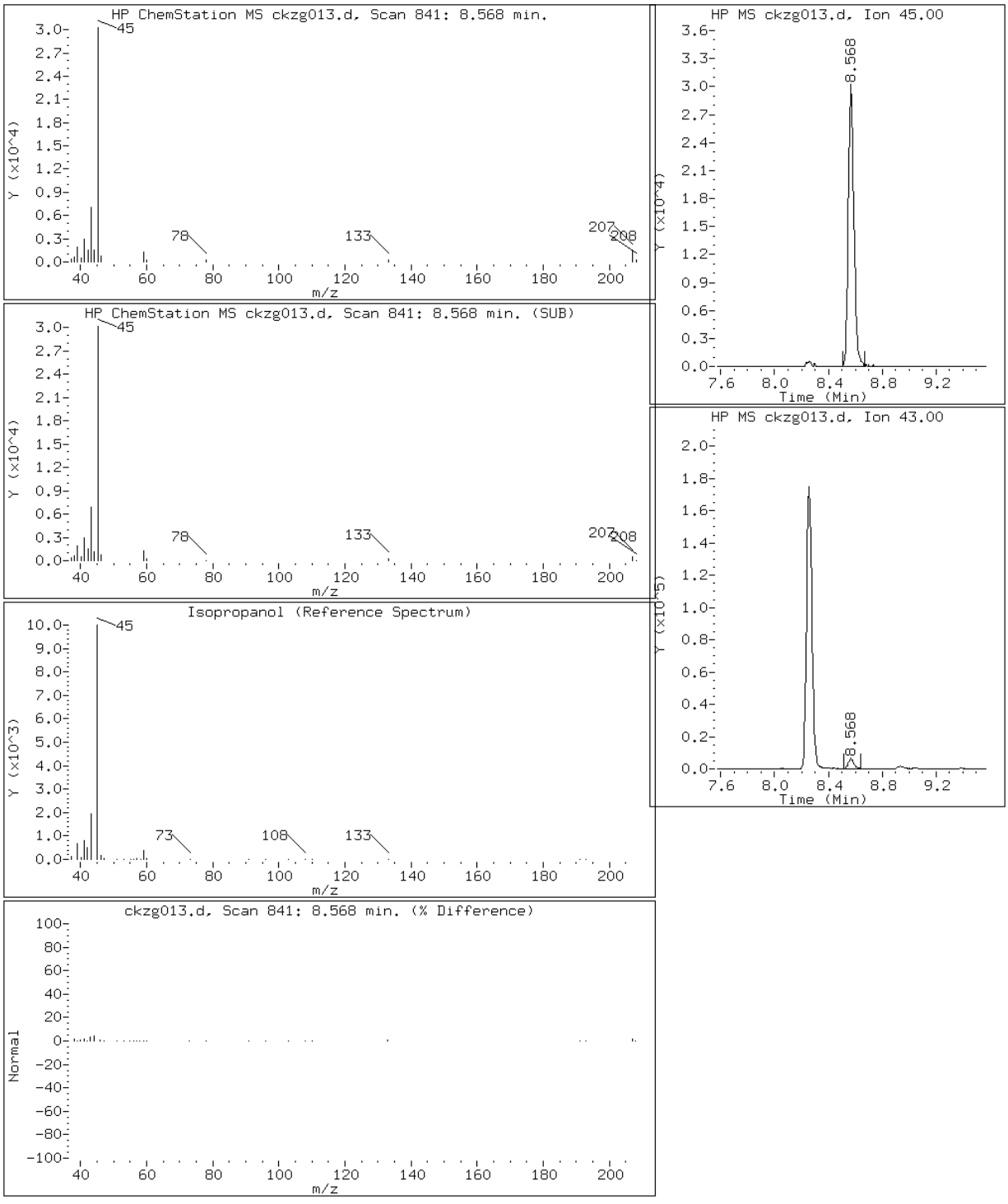
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

22 Isopropanol



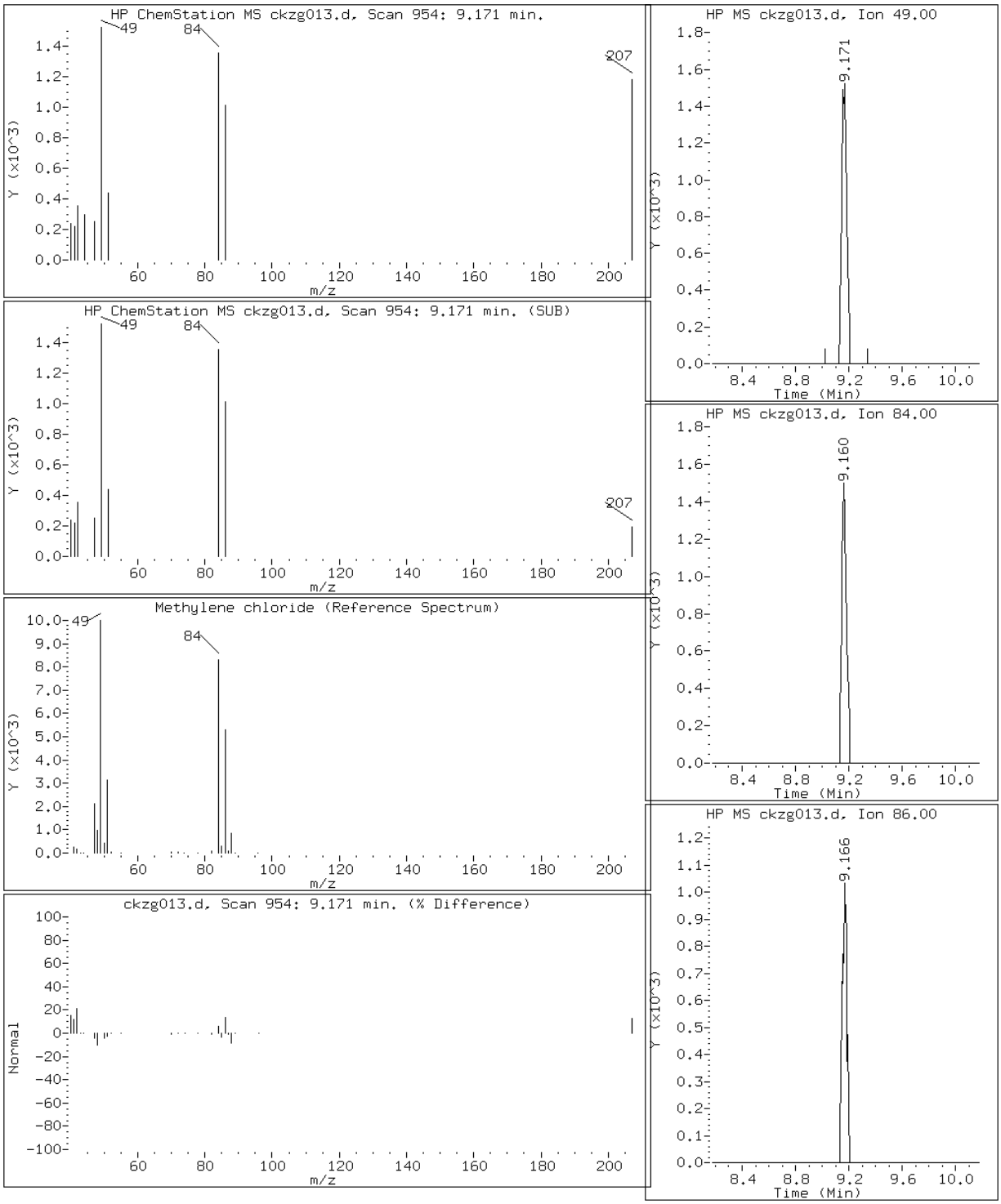
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

25 Methylene chloride



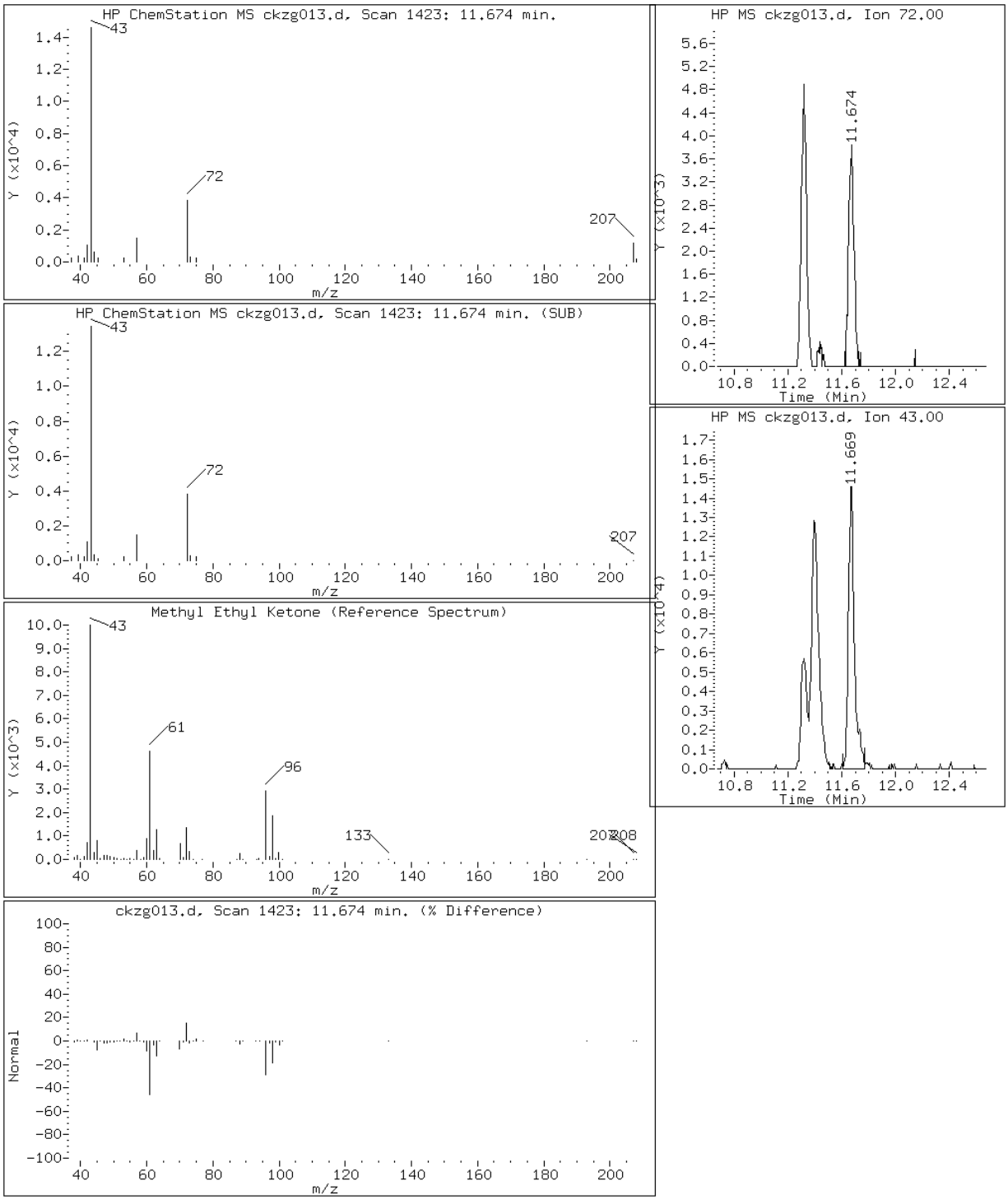
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

36 Methyl Ethyl Ketone



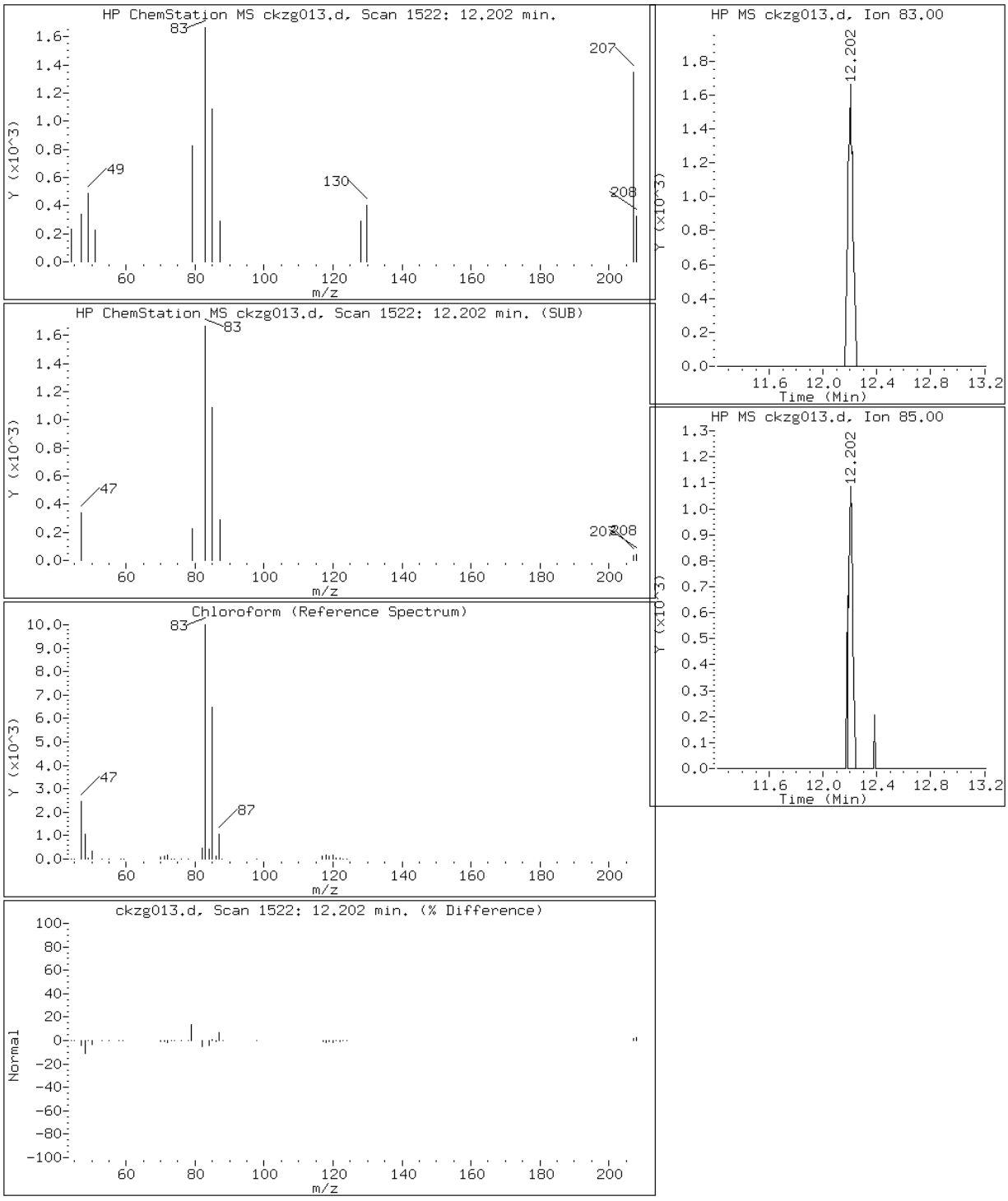
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

39 Chloroform



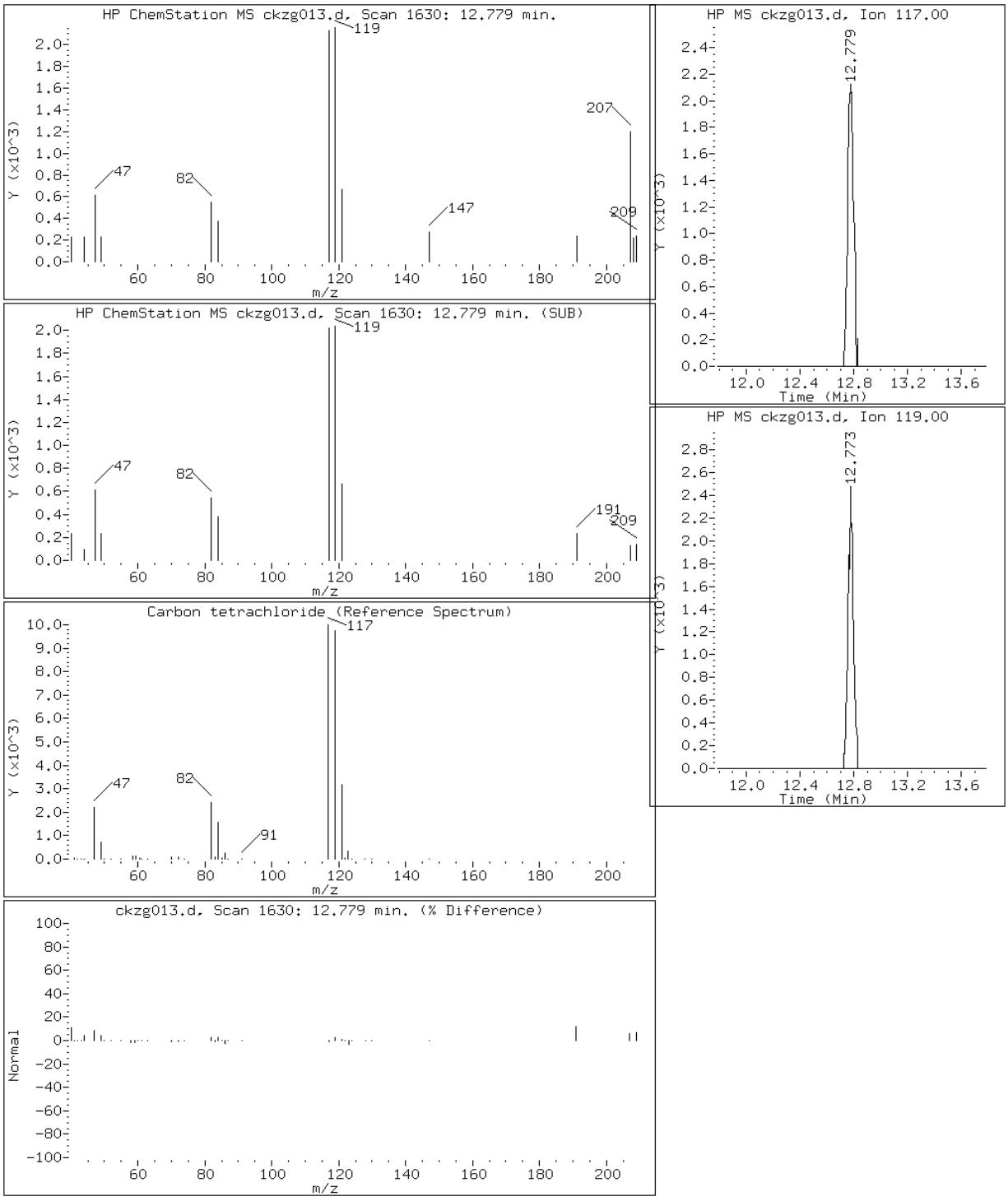
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

42 Carbon tetrachloride



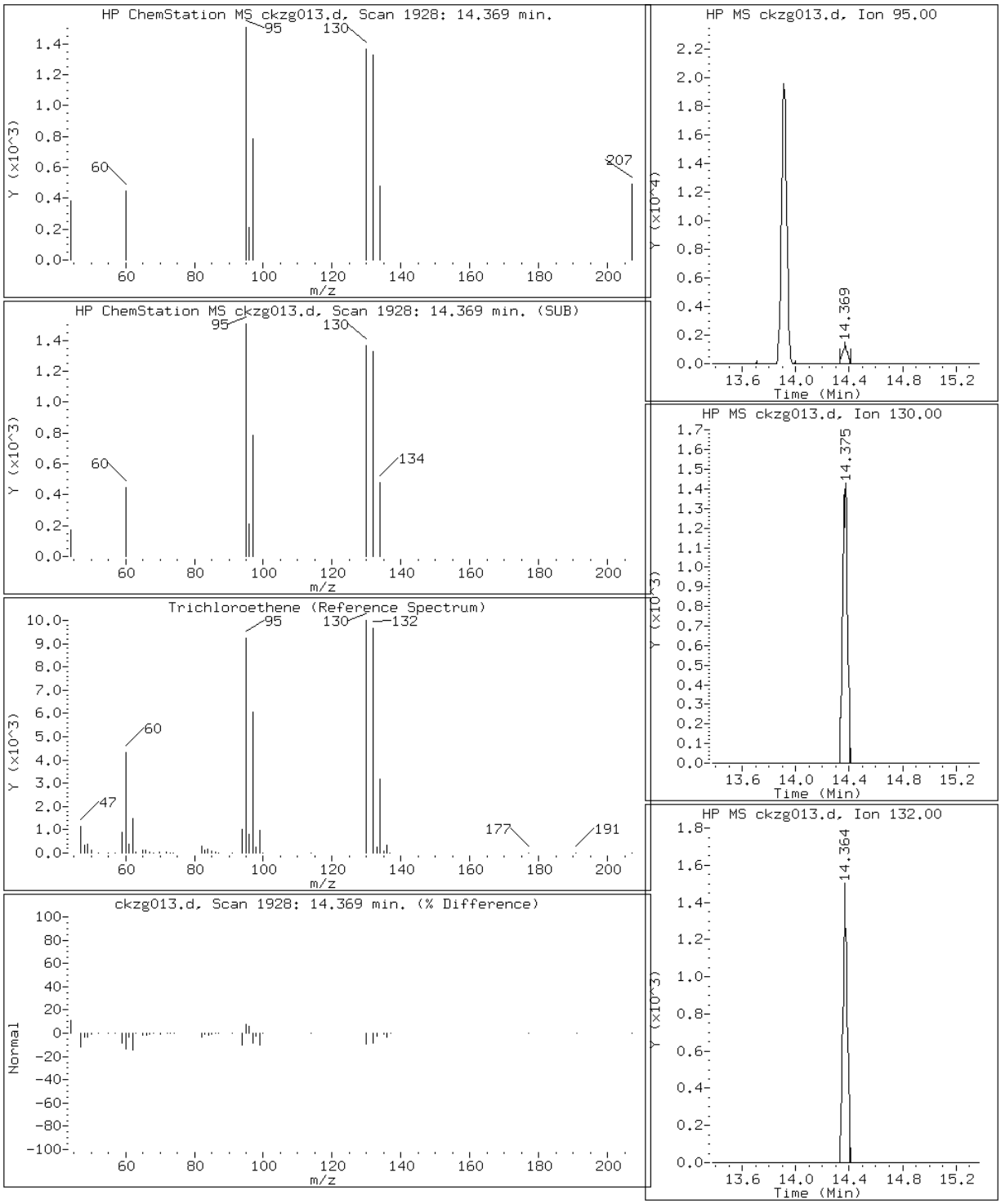
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

49 Trichloroethene



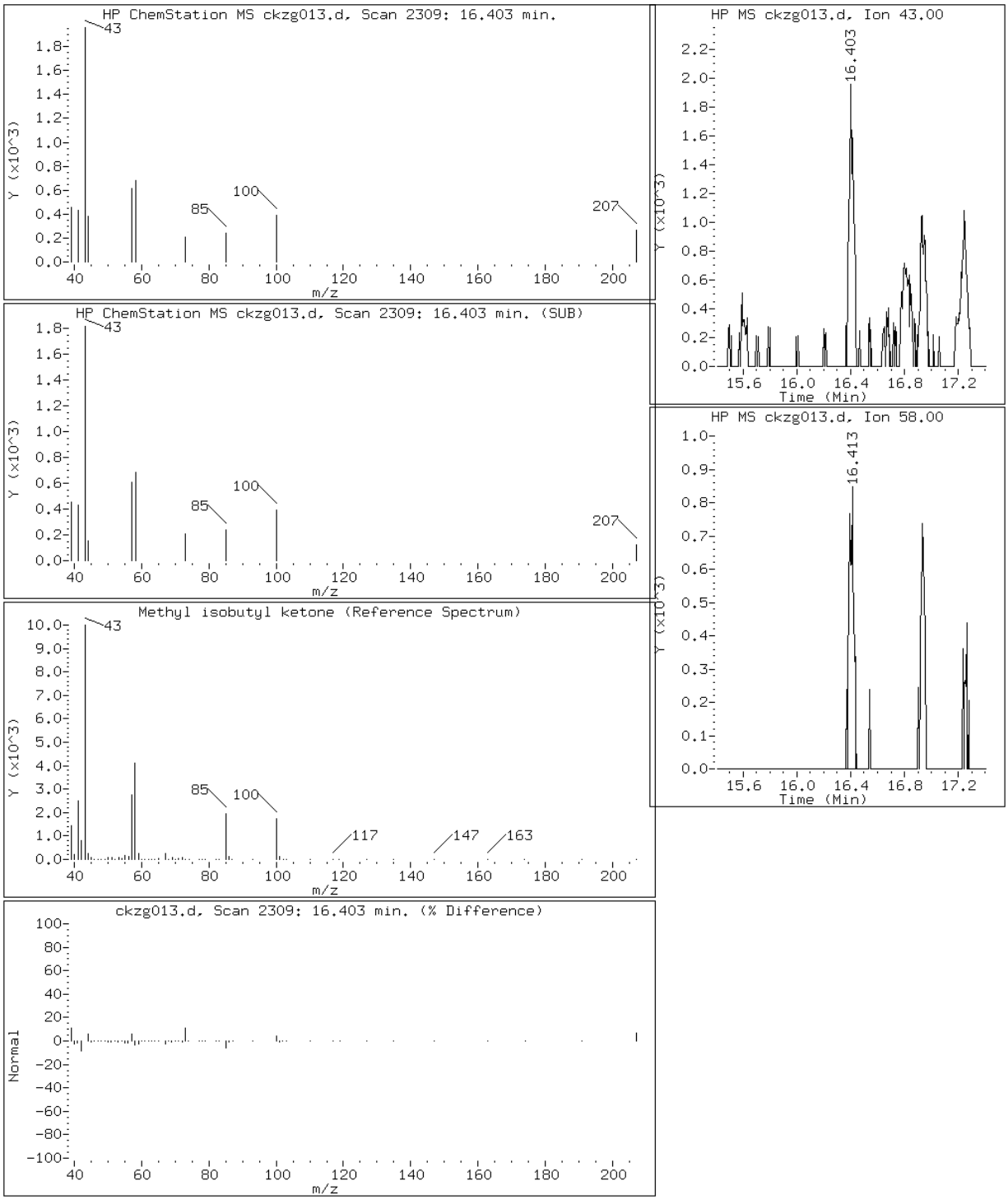
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

56 Methyl isobutyl ketone



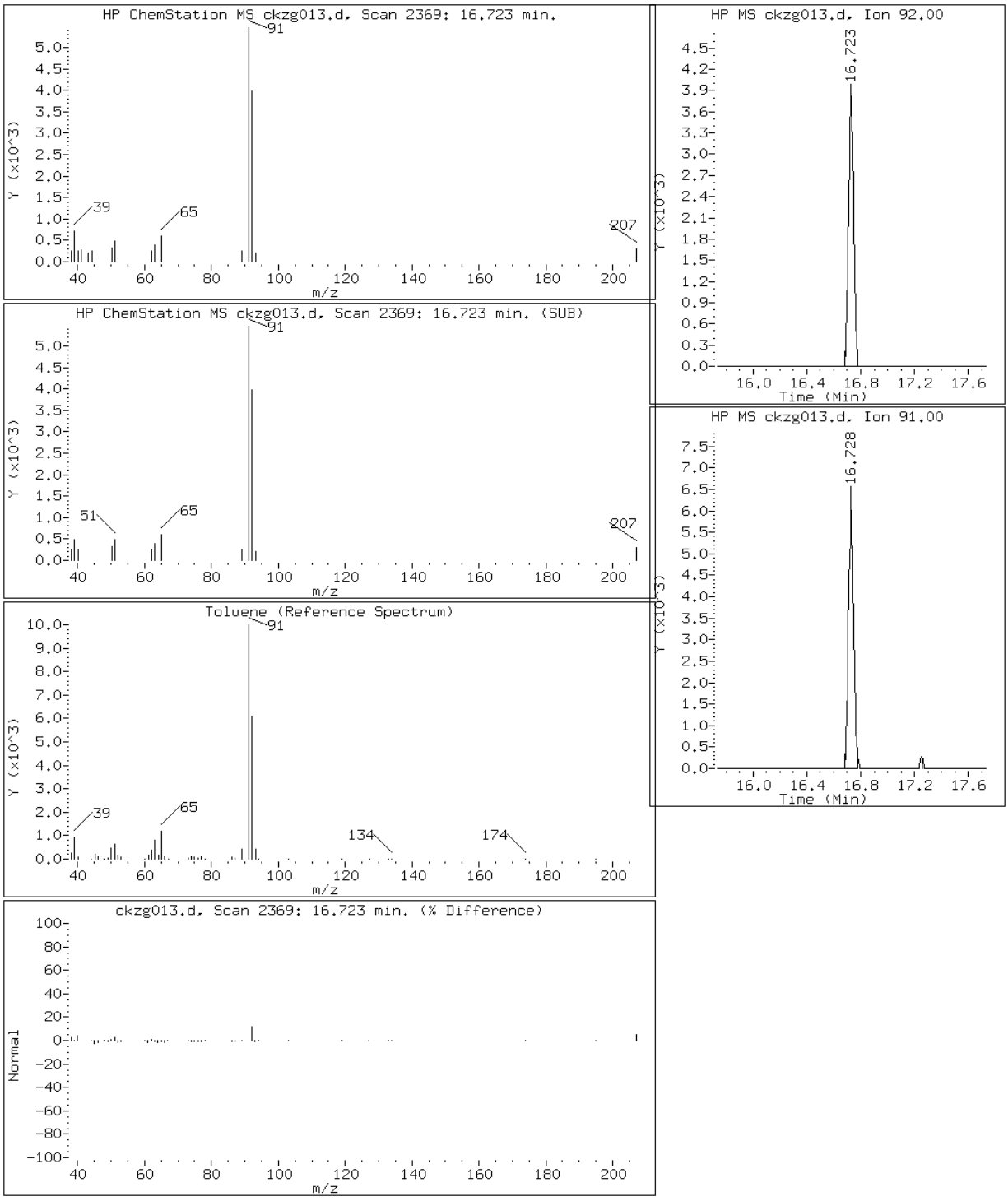
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

58 Toluene



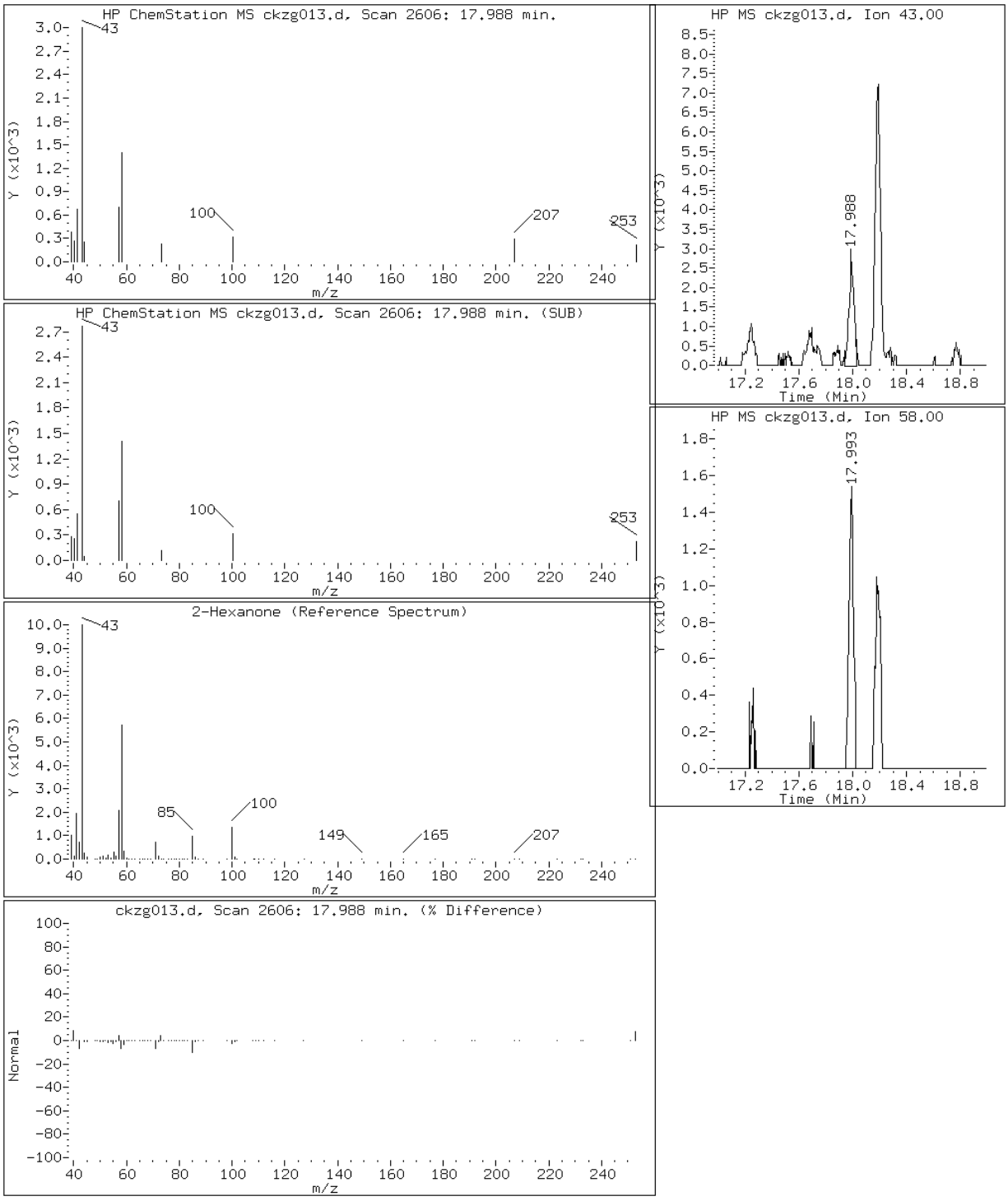
Data File: ckzg013.d

Lab Sample ID: 280-32071-7 Date: 22-AUG-2012 22:25

Client ID: 774IA1AH Instrument: C.i

Sample Info: 280-32071-A-7 Operator: pad

62 2-Hexanone



Manual Integration Report

Data File: ckzg013.d
Lab Sample ID: 280-32071-7
Inj. Date and Time: 22-AUG-2012 22:25
Instrument ID: C.i
Client ID: 774IA1AH
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 08/28/2012

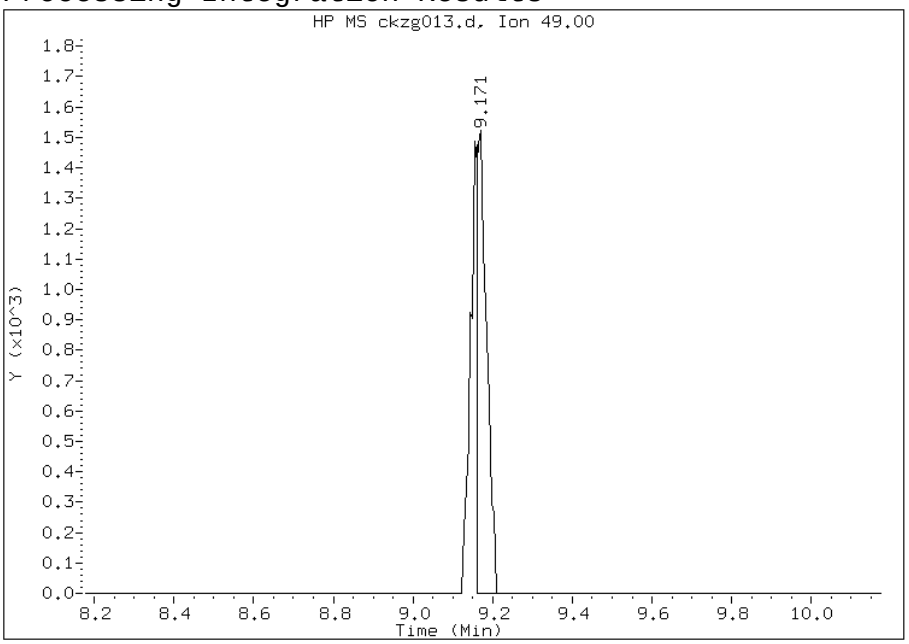
Processing Integration Results

RT: 9.17

Response: 2700

Amount: 0.085202

Conc: 0.085202



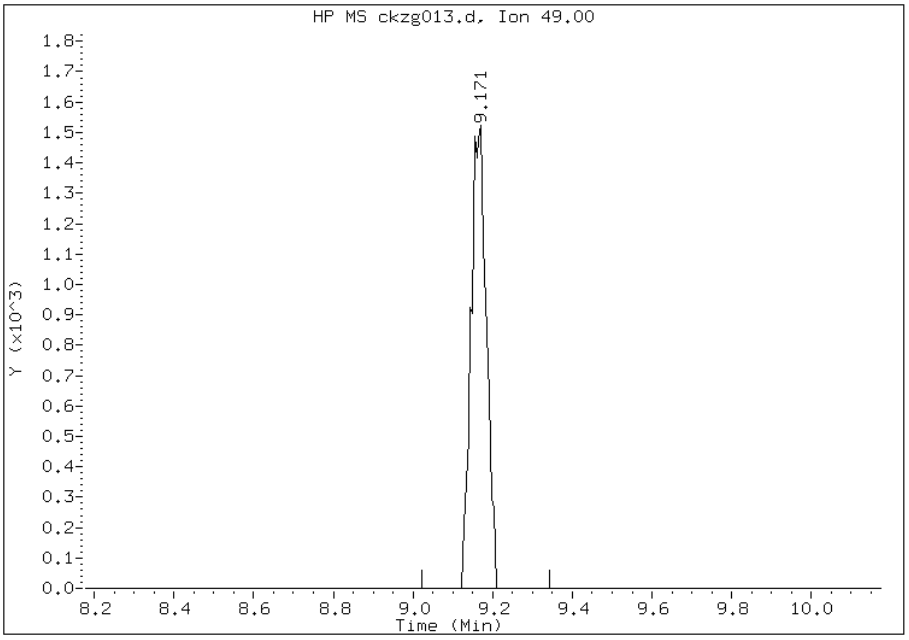
Manual Integration Results

RT: 9.17

Response: 4098

Amount: 0.129318

Conc: 0.129318



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzg013.d
Lab Sample ID: 280-32071-7
Inj. Date and Time: 22-AUG-2012 22:25
Instrument ID: C.i
Client ID: 774IA1AH
Compound: 62 2-Hexanone
CAS #: 591-78-6
Report Date: 08/28/2012

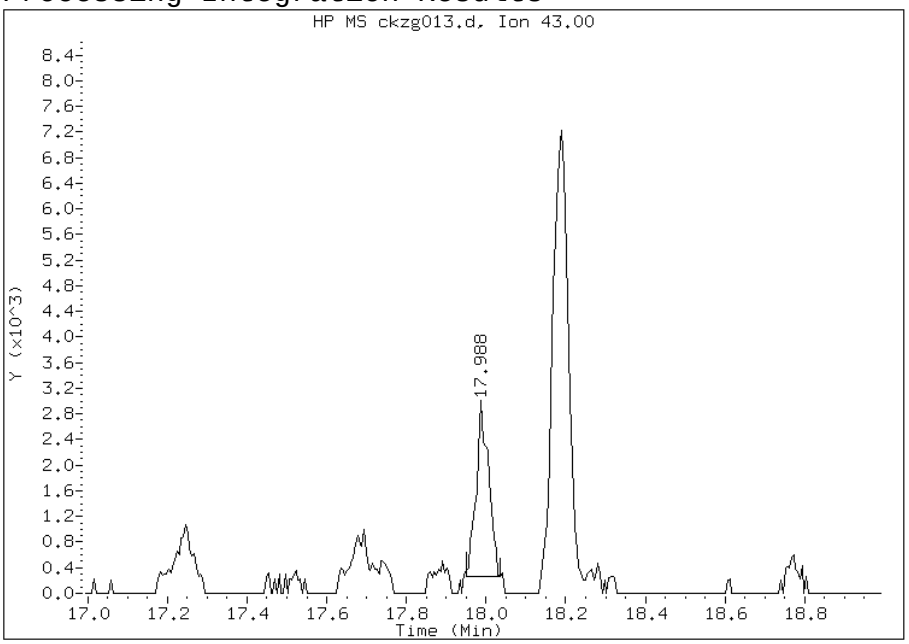
Processing Integration Results

RT: 17.99

Response: 5876

Amount: 0.119195

Conc: 0.119195



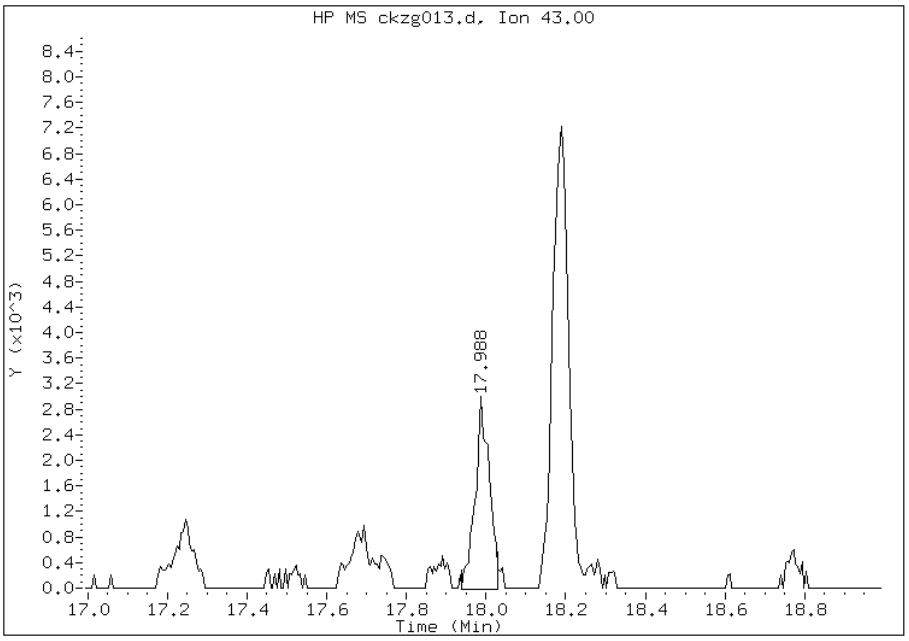
Manual Integration Results

RT: 17.99

Response: 7424

Amount: 0.150596

Conc: 0.150596



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776OA1HA Lab Sample ID: 280-32071-8

Matrix: Air Lab File ID: ckzg027.d

Analysis Method: TO-15 Date Collected: 08/06/2012 11:30

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 10:54

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.68	J	0.75	0.030
75-45-6	Freon 22	86.47	0.59	J	0.75	0.035
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.12	U	0.30	0.030
74-87-3	Chloromethane	50.49	0.68	J	0.75	0.051
106-97-8	n-Butane	58.12	9.9		0.75	0.033
75-01-4	Vinyl chloride	62.50	0.042	U	0.30	0.014
106-99-0	1,3-Butadiene	54.09	0.12	U	0.30	0.038
74-83-9	Bromomethane	94.94	0.12	U	0.30	0.041
75-00-3	Chloroethane	64.52	0.12	U	0.75	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.060	U	0.30	0.029
75-69-4	Trichlorofluoromethane	137.37	0.25	J	0.30	0.032
76-13-1	Freon TF	187.38	0.080	J	0.30	0.030
75-35-4	1,1-Dichloroethene	96.94	0.30	U	0.30	0.13
67-64-1	Acetone	58.08	41		7.5	0.60
67-63-0	Isopropyl alcohol	60.10	5.8	J	7.5	0.11
75-15-0	Carbon disulfide	76.14	0.74	J	0.75	0.030
107-05-1	3-Chloropropene	76.53	0.12	U	0.75	0.071
75-09-2	Methylene Chloride	84.93	0.57	J	0.75	0.035
75-65-0	tert-Butyl alcohol	74.12	0.40	J	7.5	0.062
1634-04-4	Methyl tert-butyl ether	88.15	0.060	U	0.30	0.023
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.30	0.035
110-54-3	n-Hexane	86.17	2.3		0.30	0.030
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.30	0.035
78-93-3	Methyl Ethyl Ketone	72.11	2.3		0.75	0.038
156-59-2	cis-1,2-Dichloroethene	96.94	0.30	U	0.30	0.13
540-59-0	1,2-Dichloroethene, Total	96.94	0.12	U	0.30	0.035
67-66-3	Chloroform	119.38	0.12	U	0.30	0.036
109-99-9	Tetrahydrofuran	72.11	2.8	J	7.5	0.044
71-55-6	1,1,1-Trichloroethane	133.41	0.12	U	0.30	0.030
110-82-7	Cyclohexane	84.16	1.5		0.30	0.029
56-23-5	Carbon tetrachloride	153.81	0.079	J	0.30	0.020
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	J	0.30	0.023
71-43-2	Benzene	78.11	0.29	J	0.30	0.027
107-06-2	1,2-Dichloroethane	98.96	0.12	J	0.30	0.027

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776OA1HA Lab Sample ID: 280-32071-8

Matrix: Air Lab File ID: ckzg027.d

Analysis Method: TO-15 Date Collected: 08/06/2012 11:30

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 10:54

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.88		0.30	0.026
79-01-6	Trichloroethene	131.39	0.042	U	0.30	0.014
80-62-6	Methyl methacrylate	100.12	0.060	U	0.75	0.024
78-87-5	1,2-Dichloropropane	112.99	0.12	U	0.30	0.035
123-91-1	1,4-Dioxane	88.11	0.30	U	7.5	0.11
75-27-4	Bromodichloromethane	163.83	0.060	U	0.30	0.018
10061-01-5	cis-1,3-Dichloropropene	110.97	0.060	U	0.30	0.020
108-10-1	methyl isobutyl ketone	100.16	0.12	U	0.75	0.051
108-88-3	Toluene	92.14	5.2		0.30	0.021
10061-02-6	trans-1,3-Dichloropropene	110.97	0.060	U	0.30	0.023
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.30	0.024
127-18-4	Tetrachloroethene	165.83	0.060	U	0.30	0.023
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.14	J	0.75	0.060
124-48-1	Dibromochloromethane	208.29	0.060	U	0.30	0.017
106-93-4	1,2-Dibromoethane	187.87	0.060	U	0.30	0.021
108-90-7	Chlorobenzene	112.30	0.060	U	0.30	0.020
100-41-4	Ethylbenzene	106.17	0.48		0.30	0.023
179601-23-1	m,p-Xylene	106.17	1.4		0.75	0.033
95-47-6	Xylene, o-	106.17	0.50		0.30	0.024
1330-20-7	Xylene (total)	106.17	1.9		0.30	0.024
100-42-5	Styrene	104.15	0.28	J	0.30	0.017
75-25-2	Bromoform	252.75	0.042	U	0.30	0.011
98-82-8	Cumene	120.19	0.060	U	0.30	0.017
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.30	0.017
103-65-1	n-Propylbenzene	120.19	0.060	U	0.30	0.020
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.30	0.023
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J	0.30	0.029
95-49-8	2-Chlorotoluene	126.59	0.060	U	0.30	0.020
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.30	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.36		0.30	0.032
135-98-8	sec-Butylbenzene	134.22	0.060	U	0.30	0.023
99-87-6	4-Isopropyltoluene	134.22	0.15	J	0.30	0.030
541-73-1	1,3-Dichlorobenzene	147.00	0.060	U	0.30	0.029
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.30	0.027

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776OA1HA Lab Sample ID: 280-32071-8

Matrix: Air Lab File ID: ckzg027.d

Analysis Method: TO-15 Date Collected: 08/06/2012 11:30

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 10:54

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.12	U	0.30	0.033
104-51-8	n-Butylbenzene	134.22	0.12	U	0.30	0.033
95-50-1	1,2-Dichlorobenzene	147.00	0.12	U	0.30	0.039
120-82-1	1,2,4-Trichlorobenzene	181.45	0.12	U	0.75	0.045
87-68-3	Hexachlorobutadiene	260.76	0.12	U	0.30	0.044
91-20-3	Naphthalene	128.17	0.60	J Q	0.75	0.057

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776OA1HA Lab Sample ID: 280-32071-8

Matrix: Air Lab File ID: ckzg027.d

Analysis Method: TO-15 Date Collected: 08/06/2012 11:30

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 10:54

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.4	J	3.7	0.15
75-45-6	Freon 22	86.47	2.1	J	2.7	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.84	U	2.1	0.21
74-87-3	Chloromethane	50.49	1.4	J	1.5	0.11
106-97-8	n-Butane	58.12	24		1.8	0.078
75-01-4	Vinyl chloride	62.50	0.11	U	0.77	0.035
106-99-0	1,3-Butadiene	54.09	0.27	U	0.66	0.083
74-83-9	Bromomethane	94.94	0.47	U	1.2	0.16
75-00-3	Chloroethane	64.52	0.32	U	2.0	0.13
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.26	U	1.3	0.12
75-69-4	Trichlorofluoromethane	137.37	1.4	J	1.7	0.18
76-13-1	Freon TF	187.38	0.61	J	2.3	0.23
75-35-4	1,1-Dichloroethene	96.94	1.2	U	1.2	0.51
67-64-1	Acetone	58.08	97		18	1.4
67-63-0	Isopropyl alcohol	60.10	14	J	18	0.28
75-15-0	Carbon disulfide	76.14	2.3	J	2.3	0.093
107-05-1	3-Chloropropene	76.53	0.38	U	2.3	0.22
75-09-2	Methylene Chloride	84.93	2.0	J	2.6	0.12
75-65-0	tert-Butyl alcohol	74.12	1.2	J	23	0.19
1634-04-4	Methyl tert-butyl ether	88.15	0.22	U	1.1	0.081
156-60-5	trans-1,2-Dichloroethene	96.94	0.48	U	1.2	0.14
110-54-3	n-Hexane	86.17	8.2		1.1	0.11
75-34-3	1,1-Dichloroethane	98.96	0.49	U	1.2	0.14
78-93-3	Methyl Ethyl Ketone	72.11	6.7		2.2	0.11
156-59-2	cis-1,2-Dichloroethene	96.94	1.2	U	1.2	0.50
540-59-0	1,2-Dichloroethene, Total	96.94	0.48	U	1.2	0.14
67-66-3	Chloroform	119.38	0.59	U	1.5	0.18
109-99-9	Tetrahydrofuran	72.11	8.2	J	22	0.13
71-55-6	1,1,1-Trichloroethane	133.41	0.65	U	1.6	0.16
110-82-7	Cyclohexane	84.16	5.1		1.0	0.098
56-23-5	Carbon tetrachloride	153.81	0.50	J	1.9	0.12
540-84-1	2,2,4-Trimethylpentane	114.23	0.94	J	1.4	0.11
71-43-2	Benzene	78.11	0.92	J	0.96	0.086
107-06-2	1,2-Dichloroethane	98.96	0.49	J	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776OA1HA Lab Sample ID: 280-32071-8

Matrix: Air Lab File ID: ckzg027.d

Analysis Method: TO-15 Date Collected: 08/06/2012 11:30

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 10:54

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	3.6		1.2	0.10
79-01-6	Trichloroethene	131.39	0.23	U	1.6	0.074
80-62-6	Methyl methacrylate	100.12	0.25	U	3.1	0.098
78-87-5	1,2-Dichloropropane	112.99	0.55	U	1.4	0.16
123-91-1	1,4-Dioxane	88.11	1.1	U	27	0.38
75-27-4	Bromodichloromethane	163.83	0.40	U	2.0	0.12
10061-01-5	cis-1,3-Dichloropropene	110.97	0.27	U	1.4	0.089
108-10-1	methyl isobutyl ketone	100.16	0.49	U	3.1	0.21
108-88-3	Toluene	92.14	20		1.1	0.079
10061-02-6	trans-1,3-Dichloropropene	110.97	0.27	U	1.4	0.10
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	1.6	0.13
127-18-4	Tetrachloroethene	165.83	0.41	U	2.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.56	J	3.1	0.25
124-48-1	Dibromochloromethane	208.29	0.51	U	2.6	0.14
106-93-4	1,2-Dibromoethane	187.87	0.46	U	2.3	0.16
108-90-7	Chlorobenzene	112.30	0.28	U	1.4	0.090
100-41-4	Ethylbenzene	106.17	2.1		1.3	0.098
179601-23-1	m,p-Xylene	106.17	6.2		3.3	0.14
95-47-6	Xylene, o-	106.17	2.2		1.3	0.10
1330-20-7	Xylene (total)	106.17	8.3		1.3	0.10
100-42-5	Styrene	104.15	1.2	J	1.3	0.070
75-25-2	Bromoform	252.75	0.43	U	3.1	0.11
98-82-8	Cumene	120.19	0.29	U	1.5	0.081
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.1	0.11
103-65-1	n-Propylbenzene	120.19	0.29	U	1.5	0.096
622-96-8	4-Ethyltoluene	120.20	0.53	J	1.5	0.11
108-67-8	1,3,5-Trimethylbenzene	120.20	0.51	J	1.5	0.14
95-49-8	2-Chlorotoluene	126.59	0.31	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	0.33	U	1.6	0.091
95-63-6	1,2,4-Trimethylbenzene	120.20	1.8		1.5	0.15
135-98-8	sec-Butylbenzene	134.22	0.33	U	1.6	0.12
99-87-6	4-Isopropyltoluene	134.22	0.80	J	1.6	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.36	U	1.8	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	1.8	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776OA1HA Lab Sample ID: 280-32071-8

Matrix: Air Lab File ID: ckzg027.d

Analysis Method: TO-15 Date Collected: 08/06/2012 11:30

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 10:54

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.62	U	1.6	0.17
104-51-8	n-Butylbenzene	134.22	0.66	U	1.6	0.18
95-50-1	1,2-Dichlorobenzene	147.00	0.72	U	1.8	0.23
120-82-1	1,2,4-Trichlorobenzene	181.45	0.89	U	5.6	0.33
87-68-3	Hexachlorobutadiene	260.76	1.3	U	3.2	0.46
91-20-3	Naphthalene	128.17	3.1	J Q	3.9	0.30

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-8
Client Smp ID: 774776OA1HA
Inj Date : 23-AUG-2012 10:54
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-8
Misc Info : 133,1.50, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 13
Dil Factor: 1.50000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.50000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	133.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.299	4.304	(0.356)	39589	0.45363	0.68(a)
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	17201	0.39111	0.59(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	10996	0.45182	0.68(a)
6 Butane	43	5.072	5.078	(0.420)	285470	6.63162	9.9
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	15159	0.16470	0.25(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.013	8.034	(0.663)	3413	0.05303	0.080(aQ)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.259	8.269	(0.683)	948784	27.1091	41

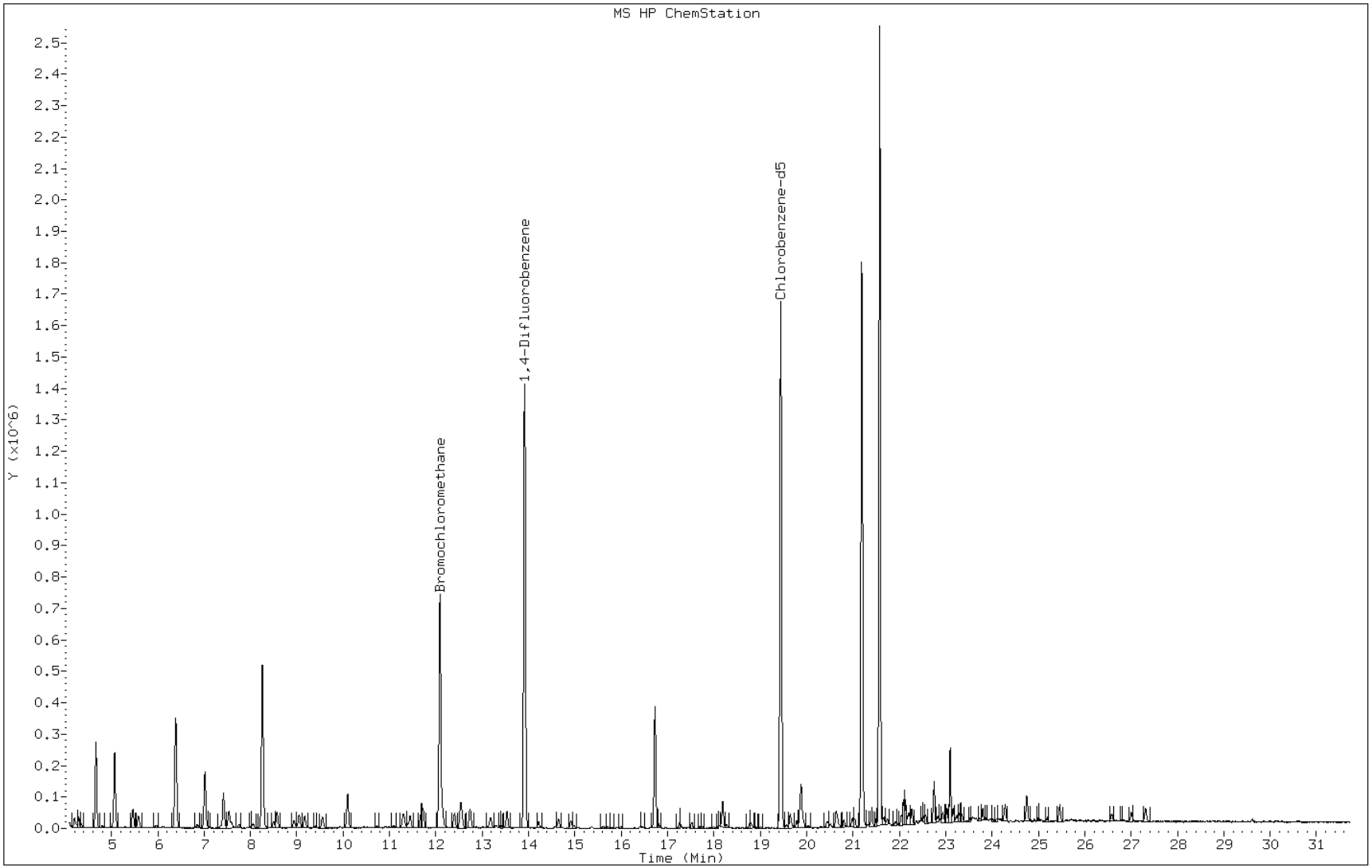
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	41734	0.49191	0.74(a)
	22 Isopropanol	45	8.573	8.573	(0.709)	94554	3.84528	5.8(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.166	9.177	(0.758)	11357	0.38040	0.57(a)
	26 Tert-butyl alcohol	59	9.406	9.390	(0.778)	9952	0.26608	0.40(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.100	10.105	(0.835)	74907	1.55725	2.3
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.965)	20078	1.50982	2.3
*	37 Bromochloromethane	128	12.090	12.096	(1.000)	317850	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.873)	52195	1.86386	2.8(a)
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	12.539	12.544	(0.901)	48929	0.97925	1.5(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.774	12.784	(0.918)	4519	0.05264	0.079(a)
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	21135	0.13451	0.20(aQ)
	44 Benzene	78	13.179	13.190	(0.947)	20209	0.19155	0.29(a)
	45 1,2-Dichloroethane	62	13.313	13.318	(0.957)	3797	0.08001	0.12(a)
	46 n-Heptane	43	13.542	13.542	(0.973)	33053	0.58861	0.88
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1781342	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	16.728	16.734	(0.860)	272206	3.45872	5.2
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.998	17.993	(0.926)	4213	0.09190	0.14(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	1641651	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.642	19.653	(1.010)	53194	0.32133	0.48
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	65161	0.94482	1.4
M	70 Xylenes, Total	106				87414	1.27810	1.9
	71 Xylene (o)	106	20.635	20.646	(1.061)	22253	0.33327	0.50
	72 Styrene	104	20.672	20.678	(1.063)	17539	0.18575	0.28(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	13481	0.07250	0.11(a)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.182	22.193	(1.141)	11128	0.06900	0.10(a)
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	37300	0.23907	0.36
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.164	23.170	(1.191)	18899	0.09769	0.15(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.002	27.012	(1.389)	36254	0.39965	0.60(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzg027.d	Date:	23-AUG-2012 10:54
Client ID:	774776OA1HA	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-8		
Lab Sample ID:	280-32071-8		



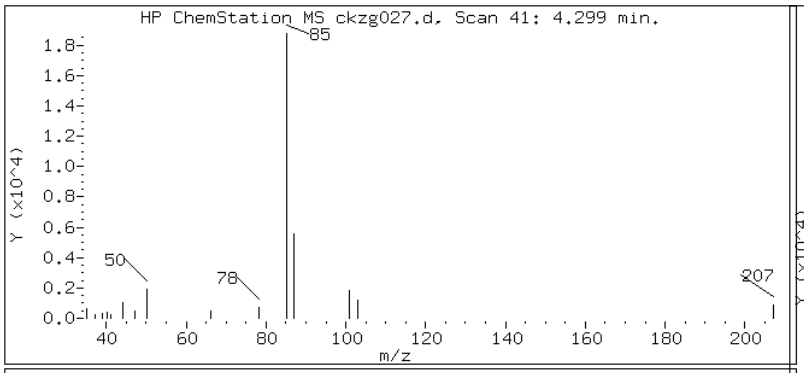
Data File: ckzg027.d

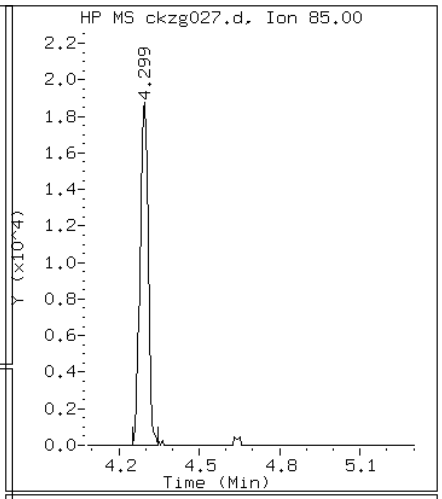
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

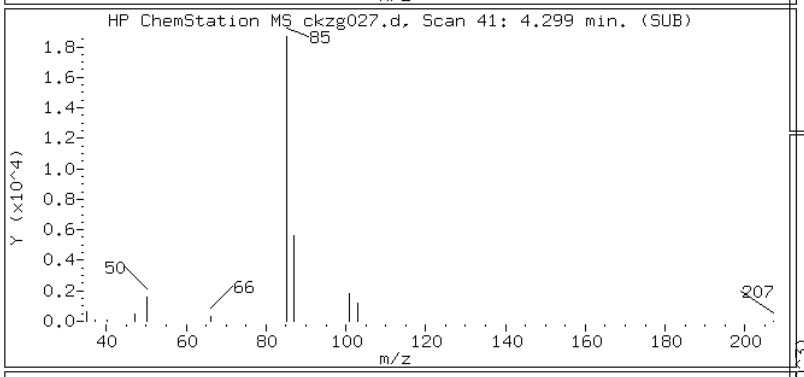
Client ID: 774776OA1HA Instrument: C.i

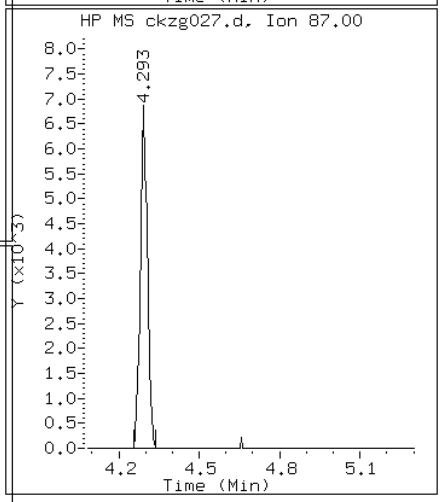
Sample Info: 280-32071-A-8 Operator: pad

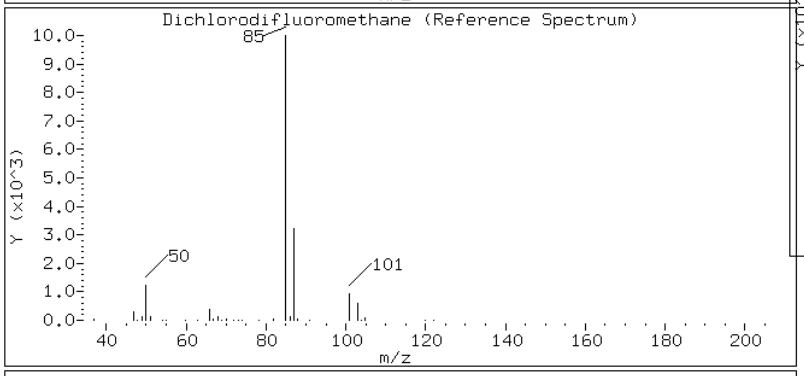
2 Dichlorodifluoromethane

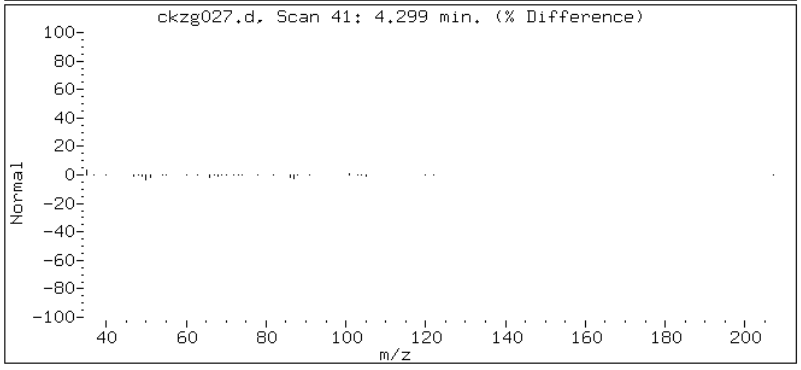












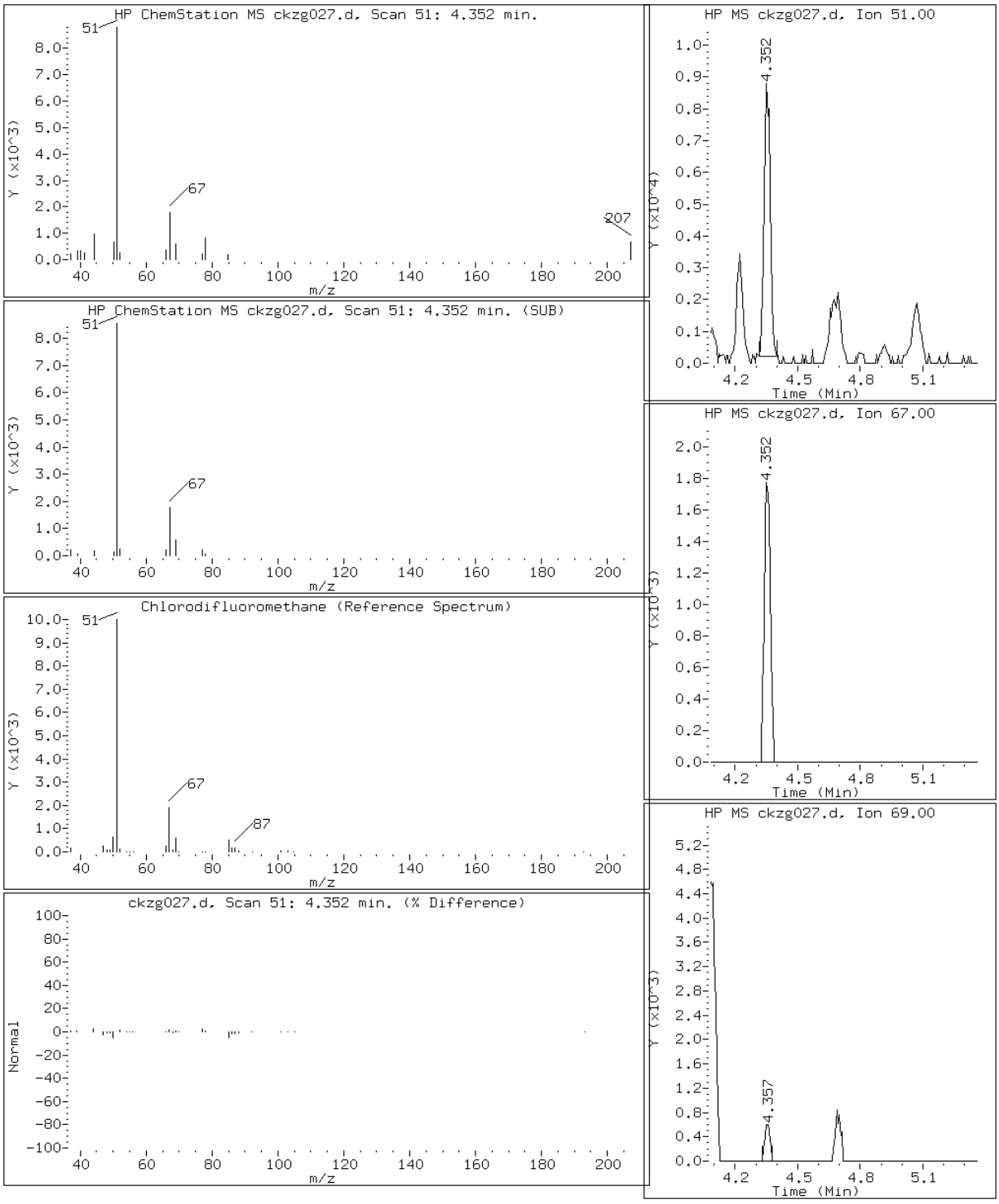
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

3 Chlorodifluoromethane



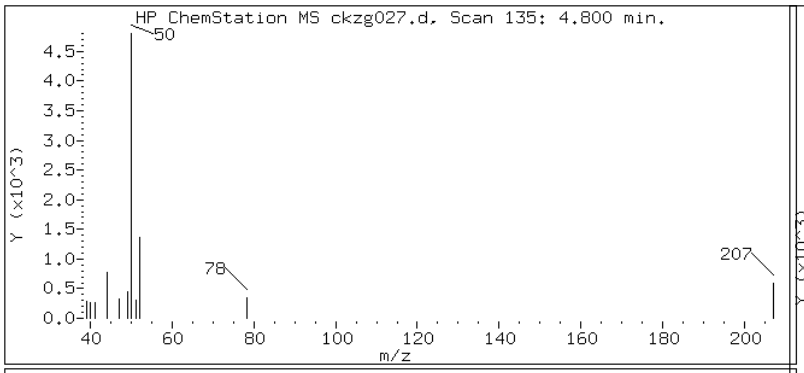
Data File: ckzg027.d

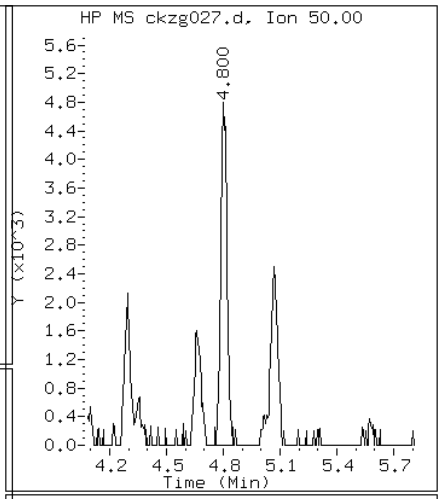
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

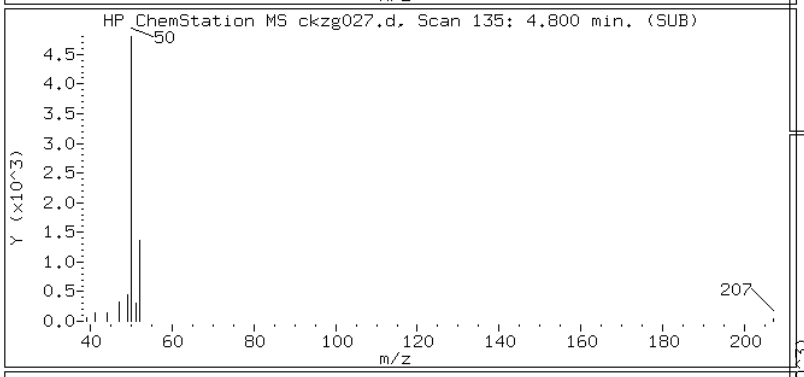
Client ID: 774776OA1HA Instrument: C.i

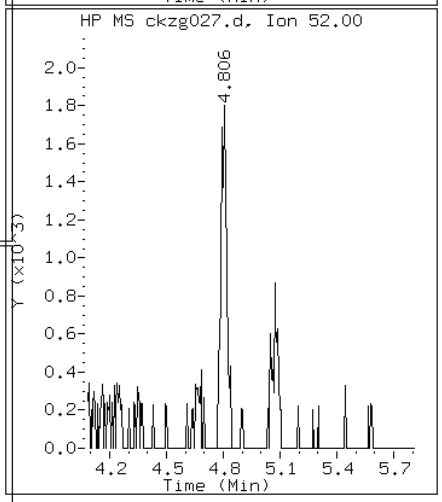
Sample Info: 280-32071-A-8 Operator: pad

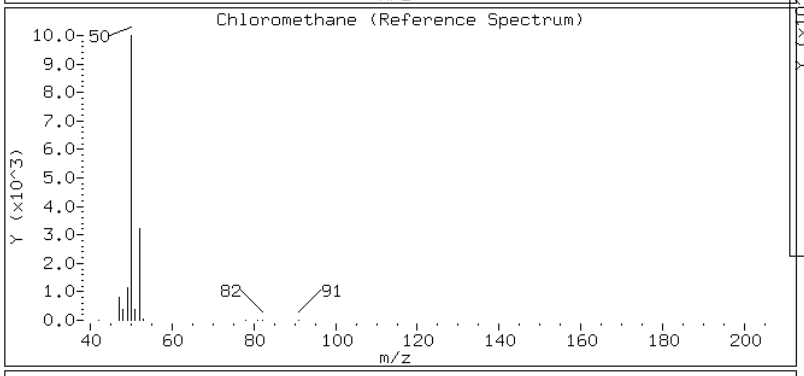
5 Chloromethane

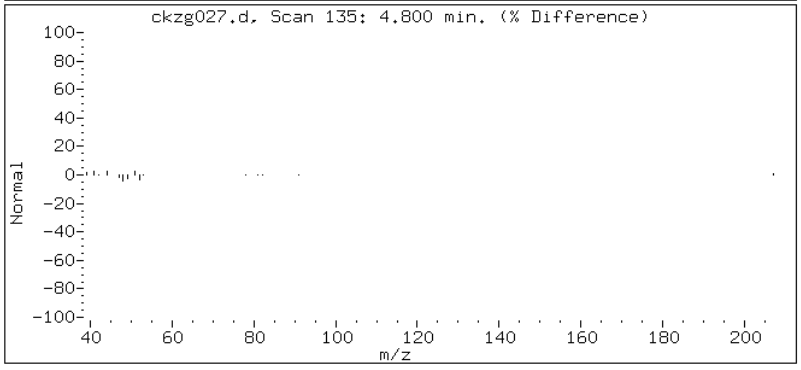












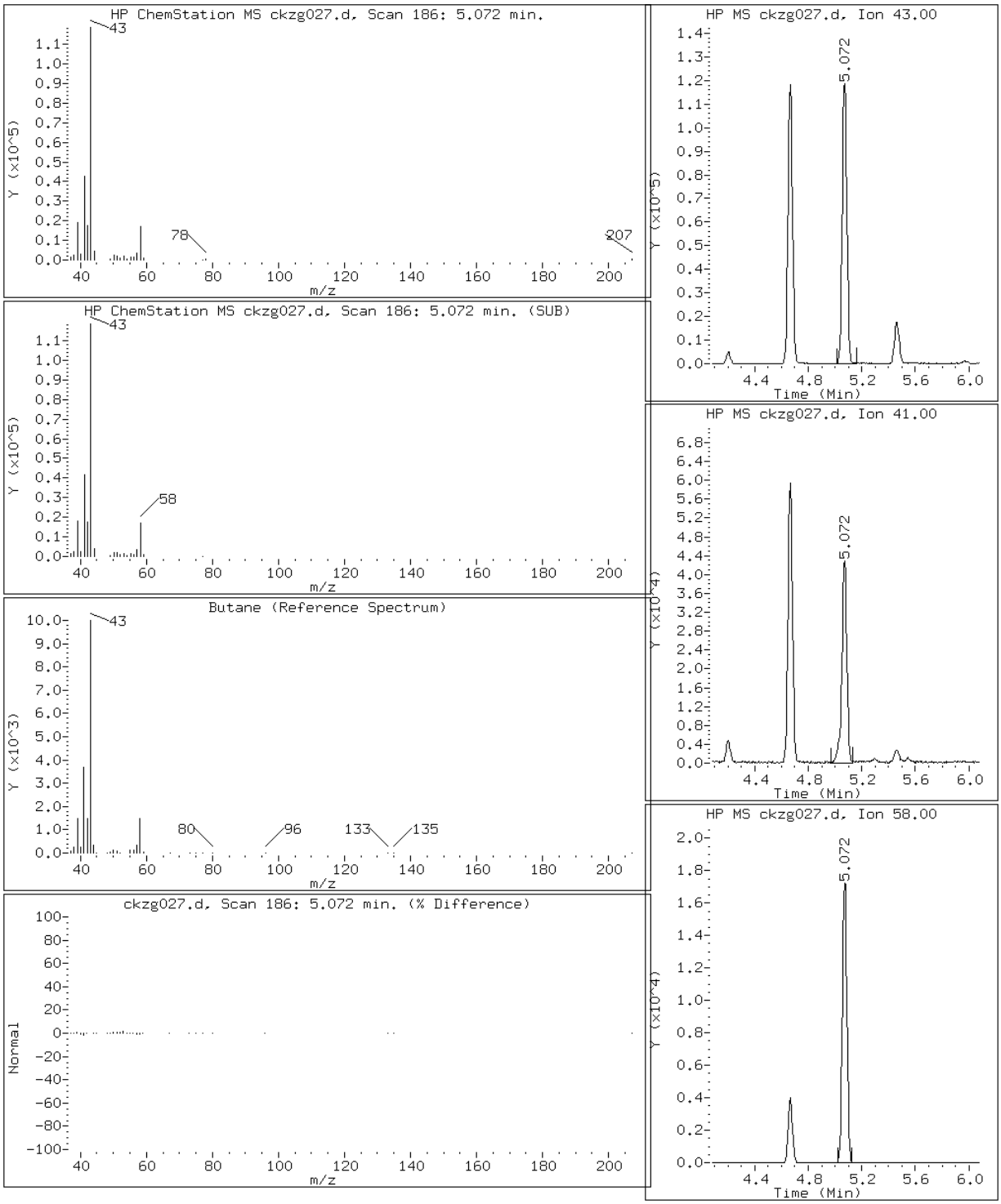
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

6 Butane



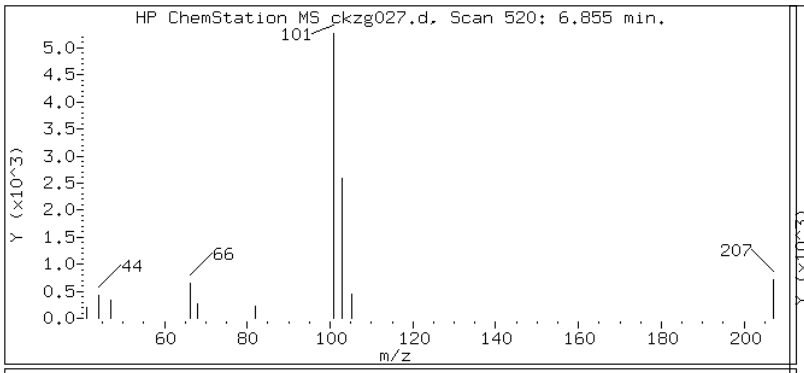
Data File: ckzg027.d

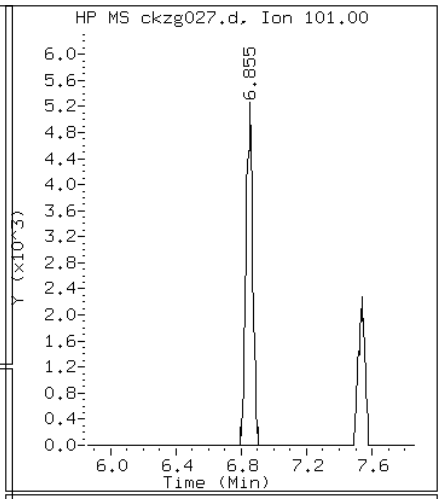
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

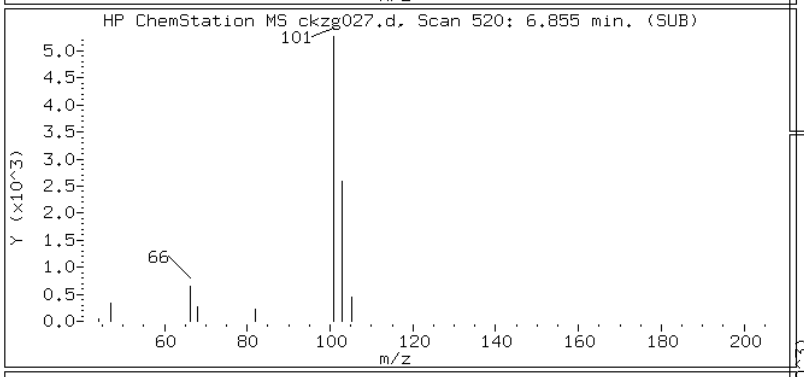
Client ID: 774776OA1HA Instrument: C.i

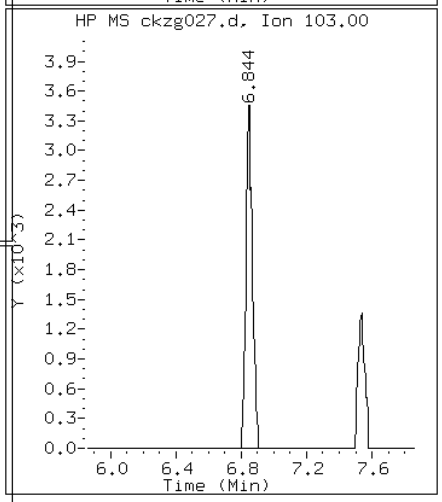
Sample Info: 280-32071-A-8 Operator: pad

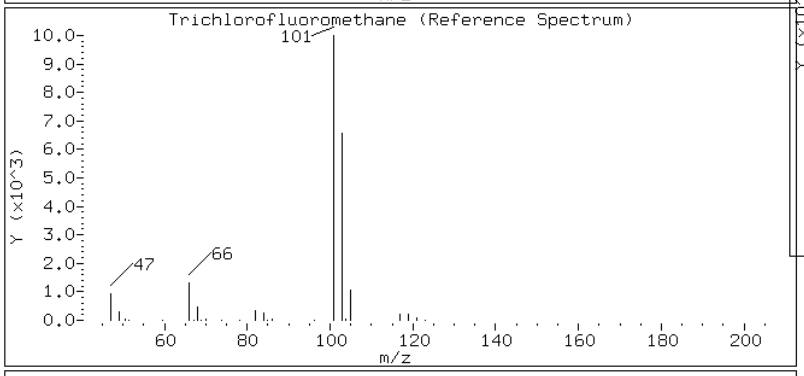
13 Trichlorofluoromethane

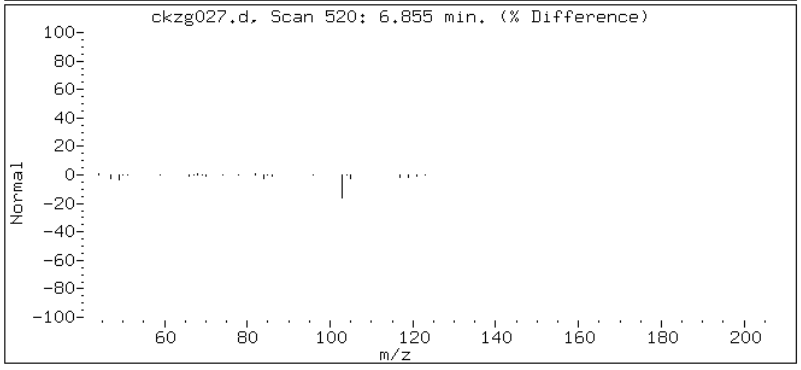












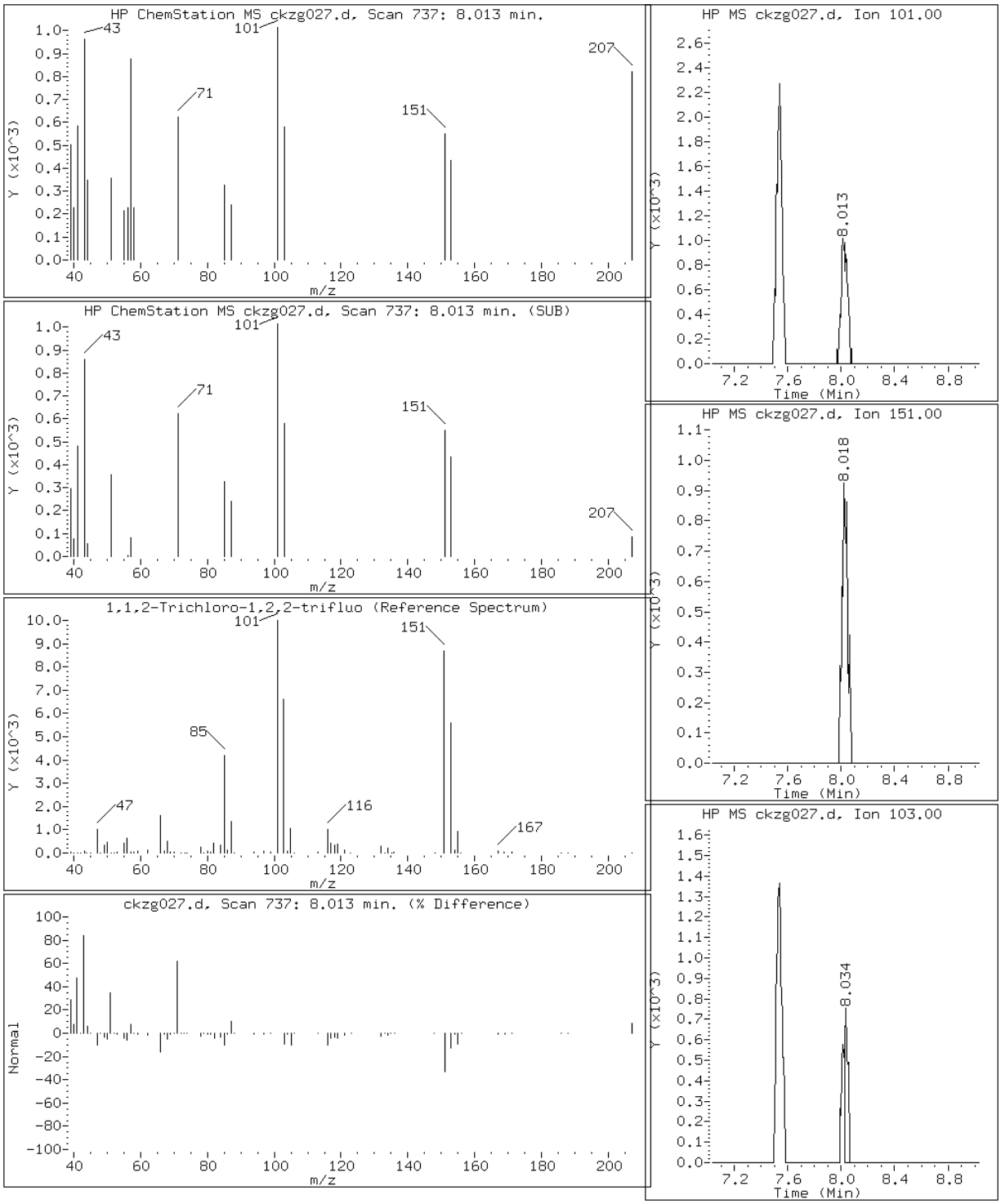
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



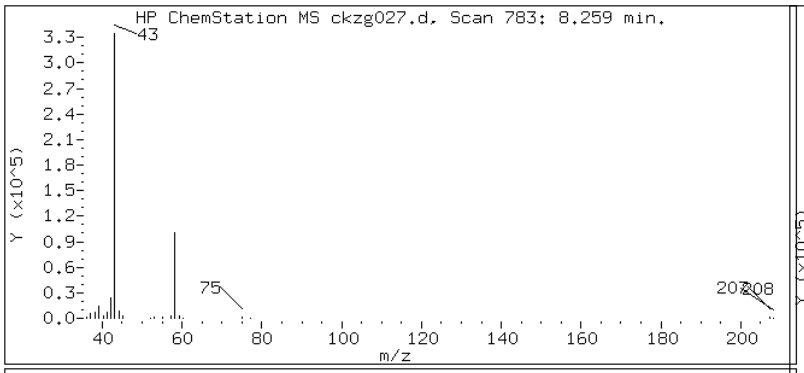
Data File: ckzg027.d

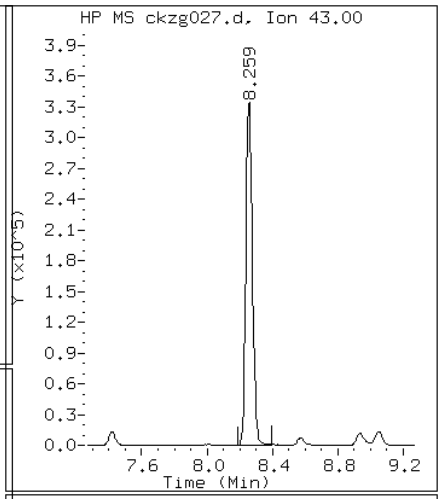
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

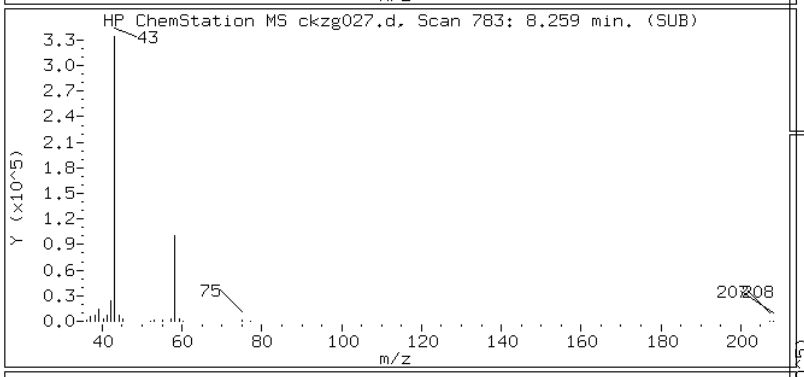
Client ID: 774776OA1HA Instrument: C.i

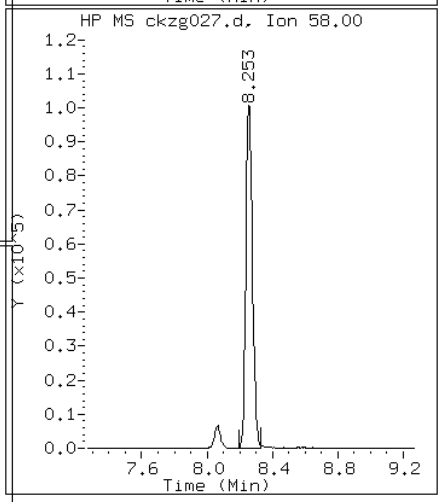
Sample Info: 280-32071-A-8 Operator: pad

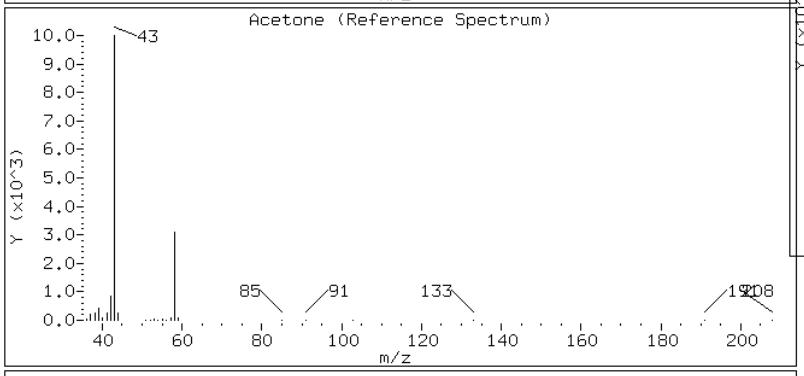
20 Acetone

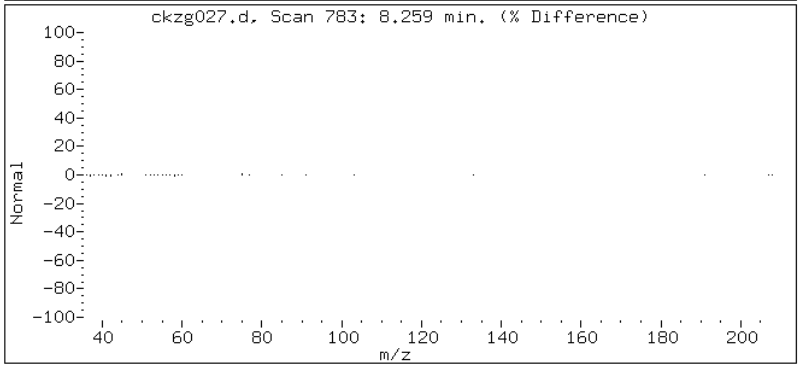












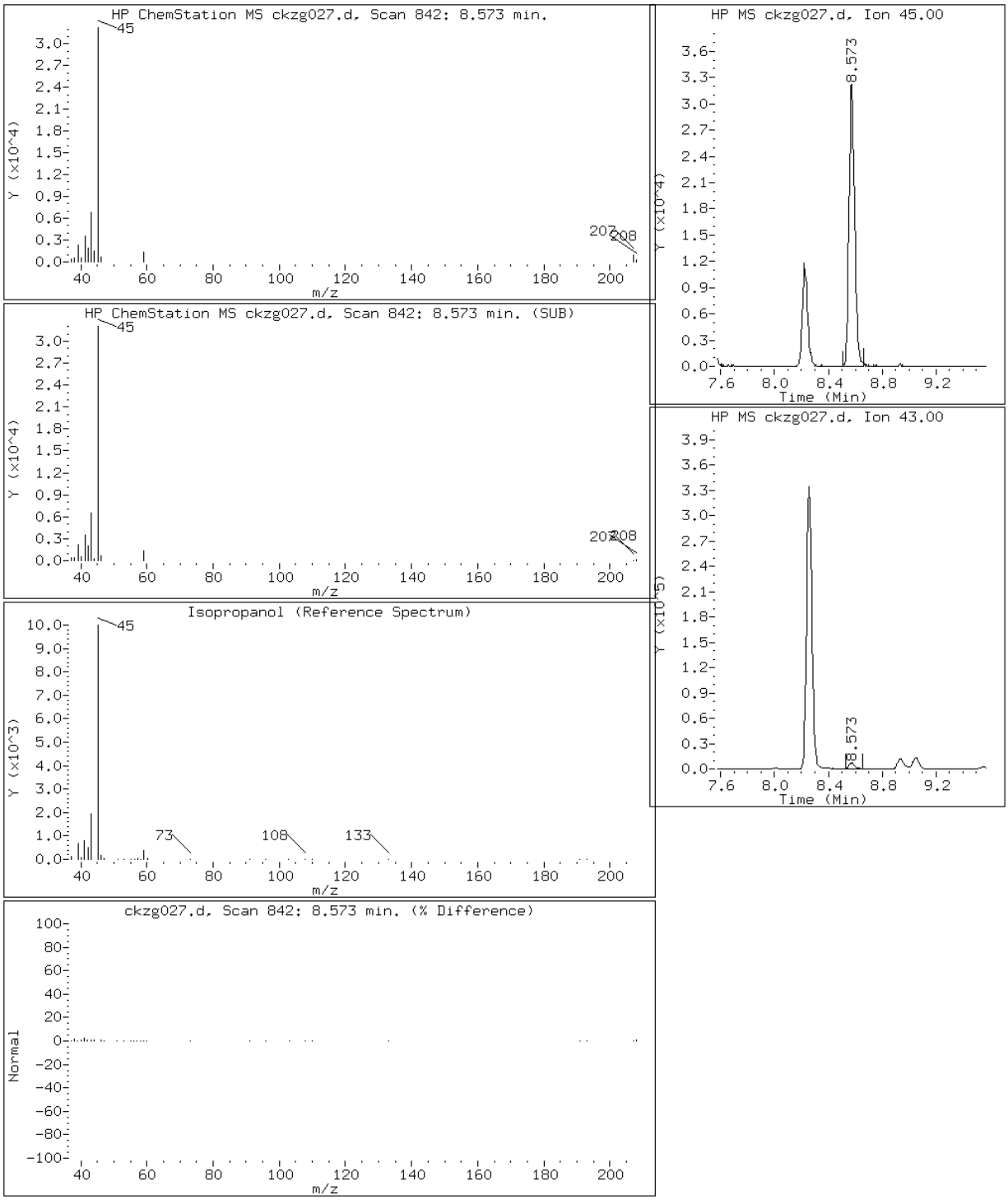
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

22 Isopropanol



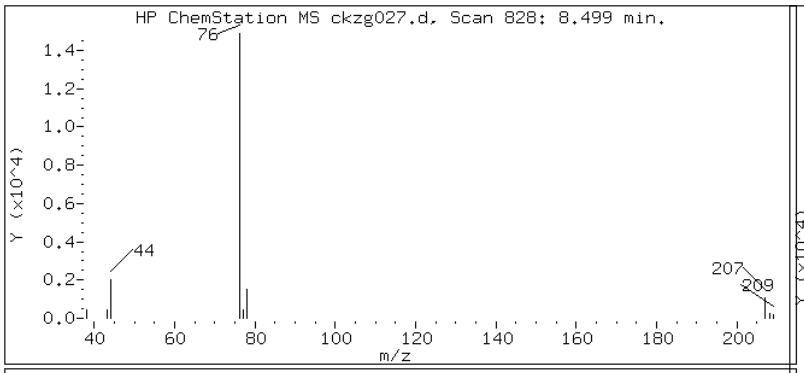
Data File: ckzg027.d

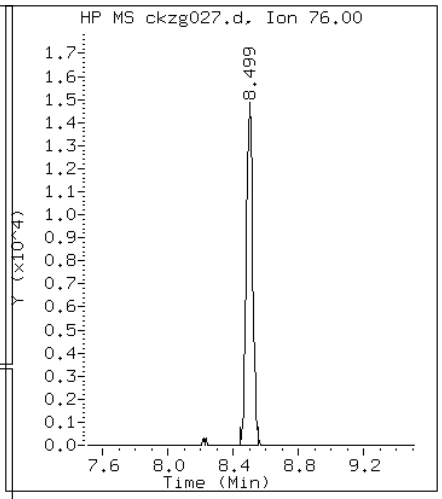
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

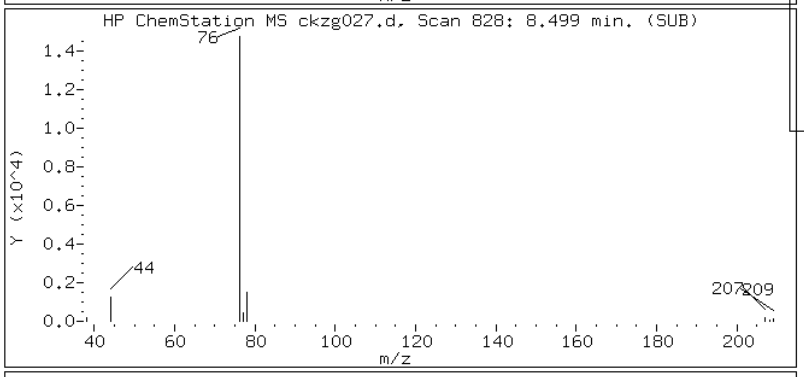
Client ID: 774776OA1HA Instrument: C.i

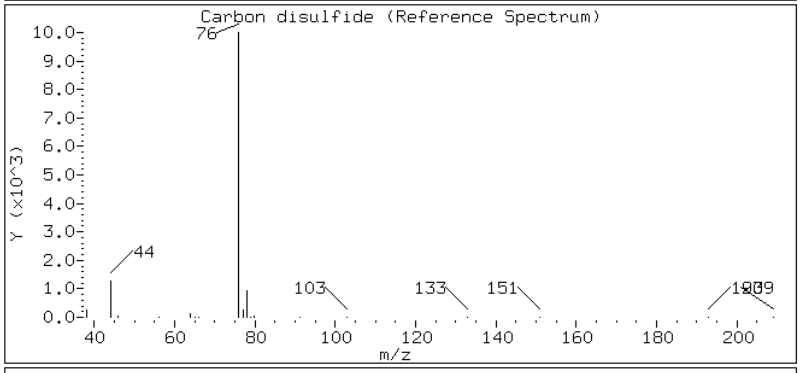
Sample Info: 280-32071-A-8 Operator: pad

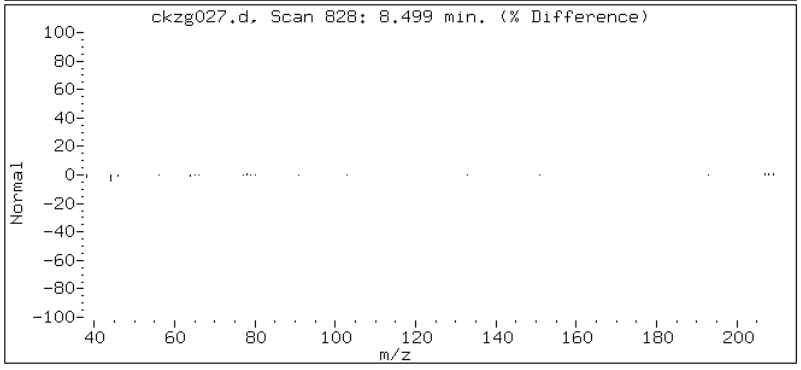
21 Carbon disulfide











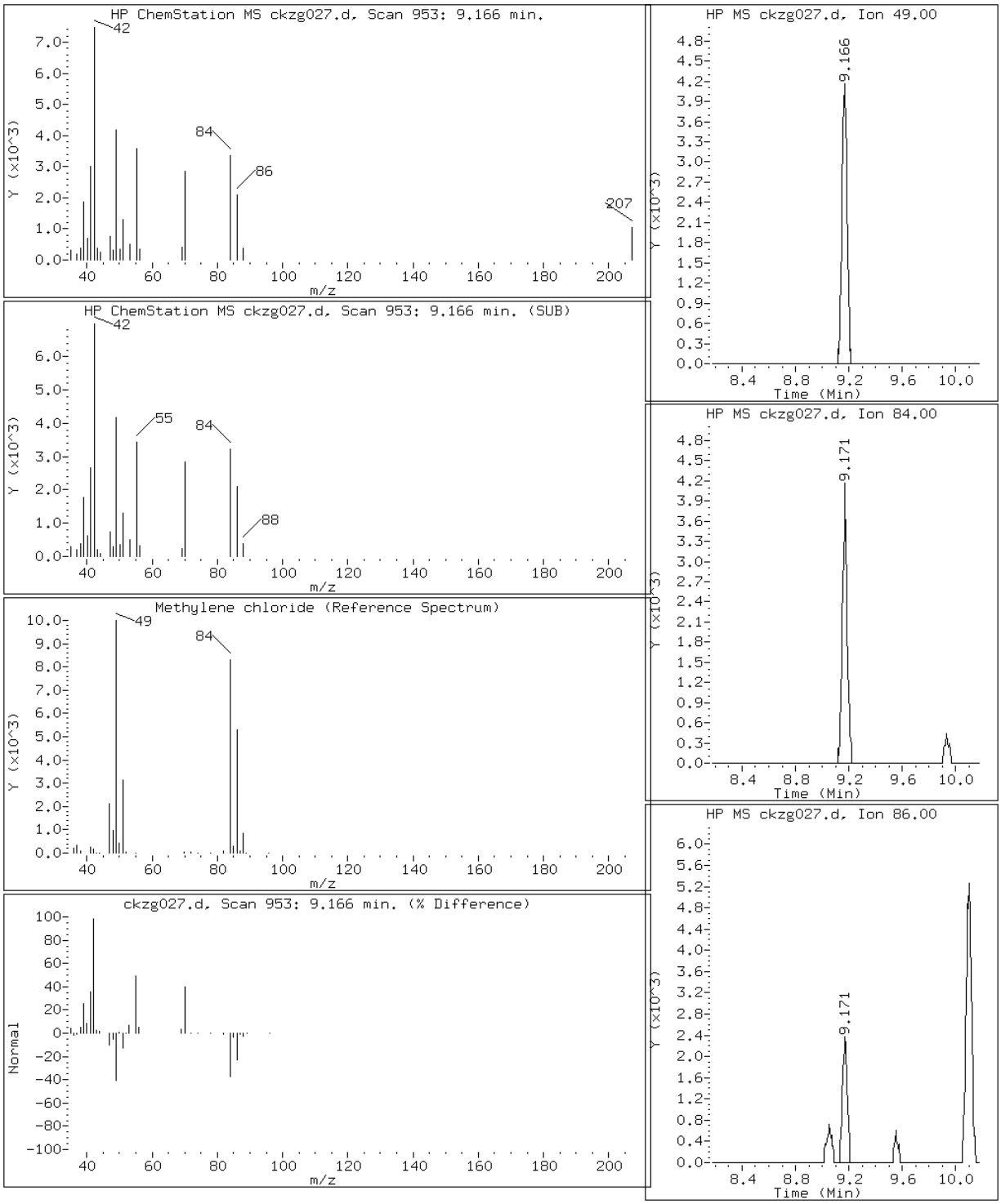
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

25 Methylene chloride



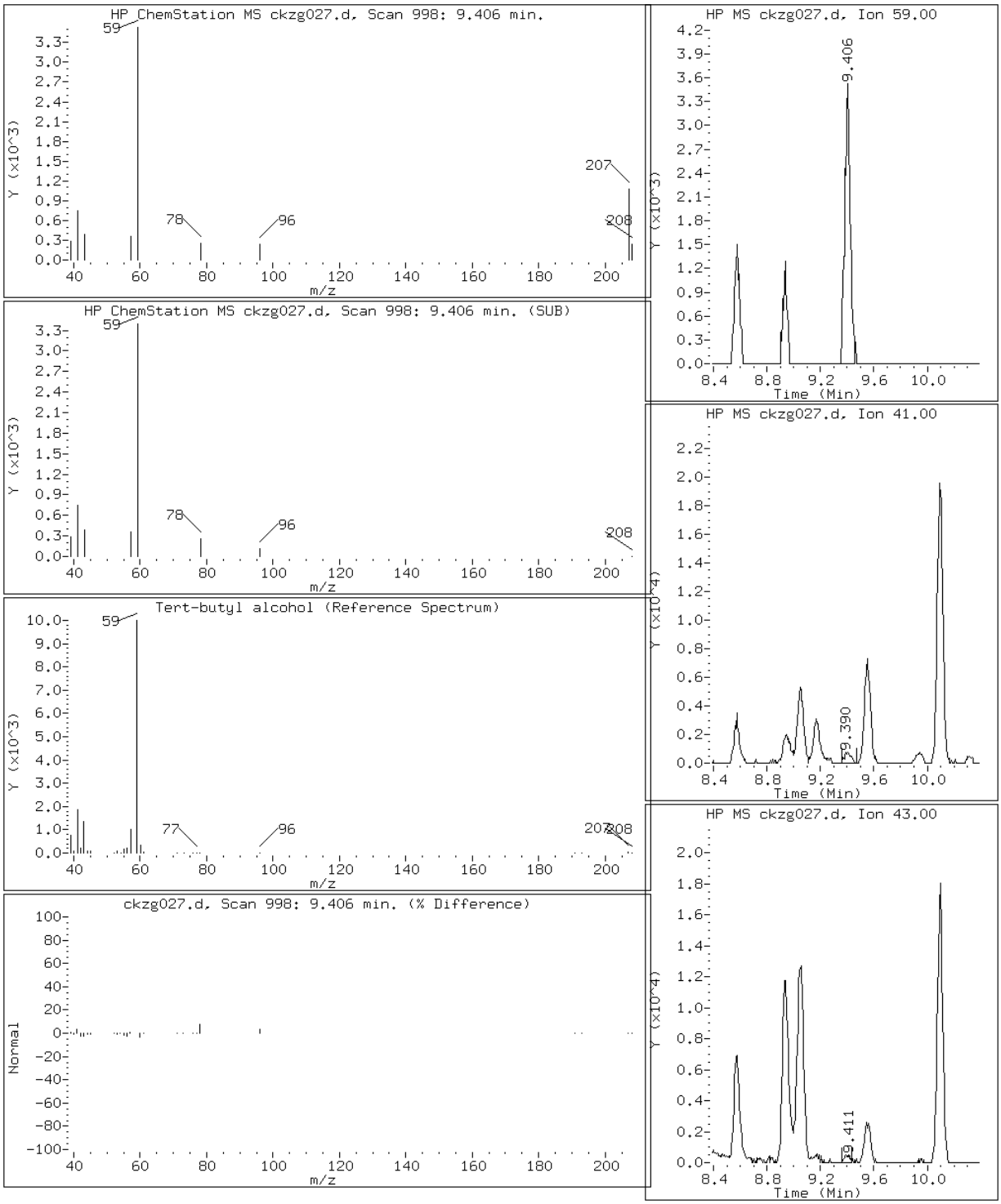
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

26 Tert-butyl alcohol



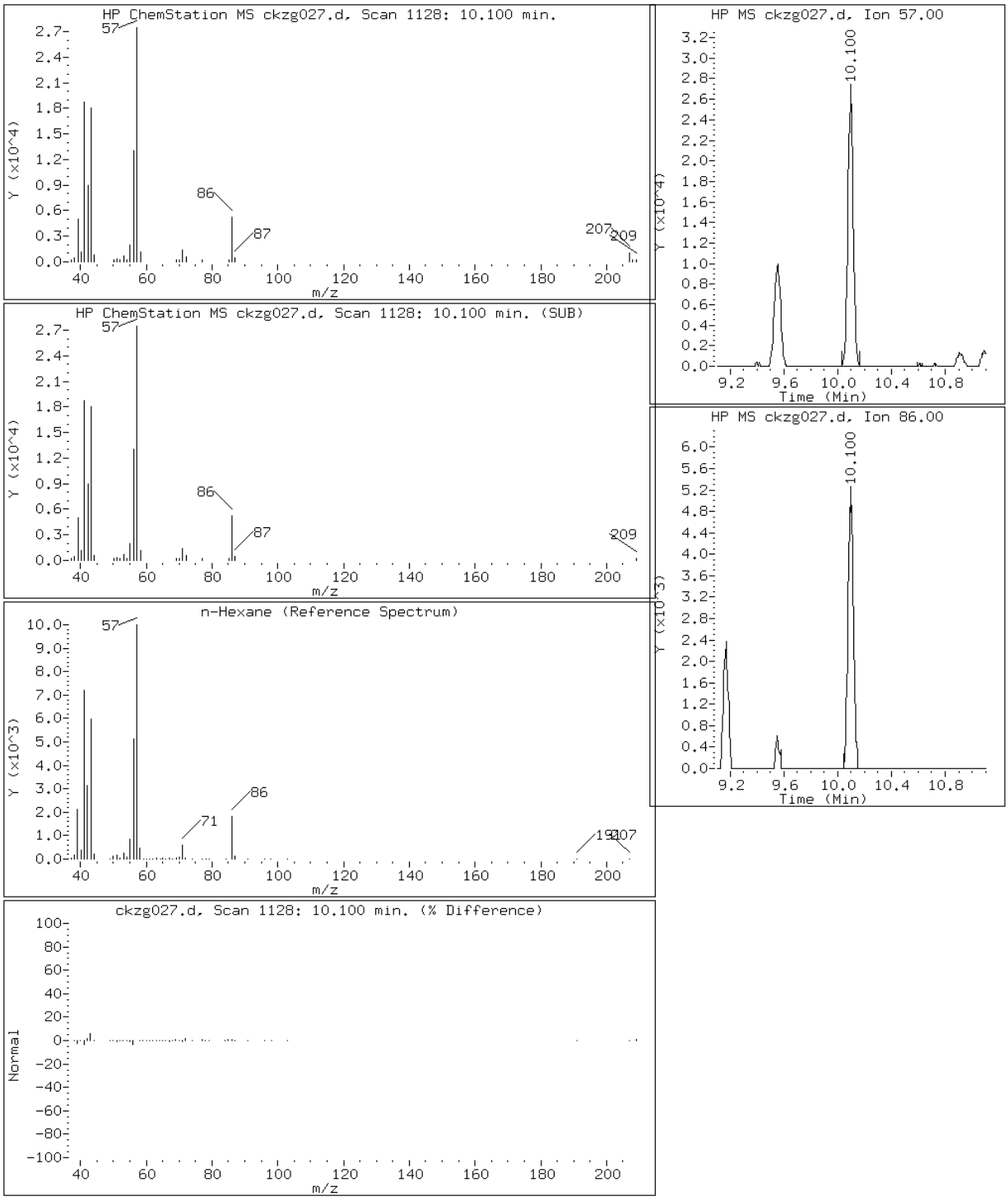
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

30 n-Hexane



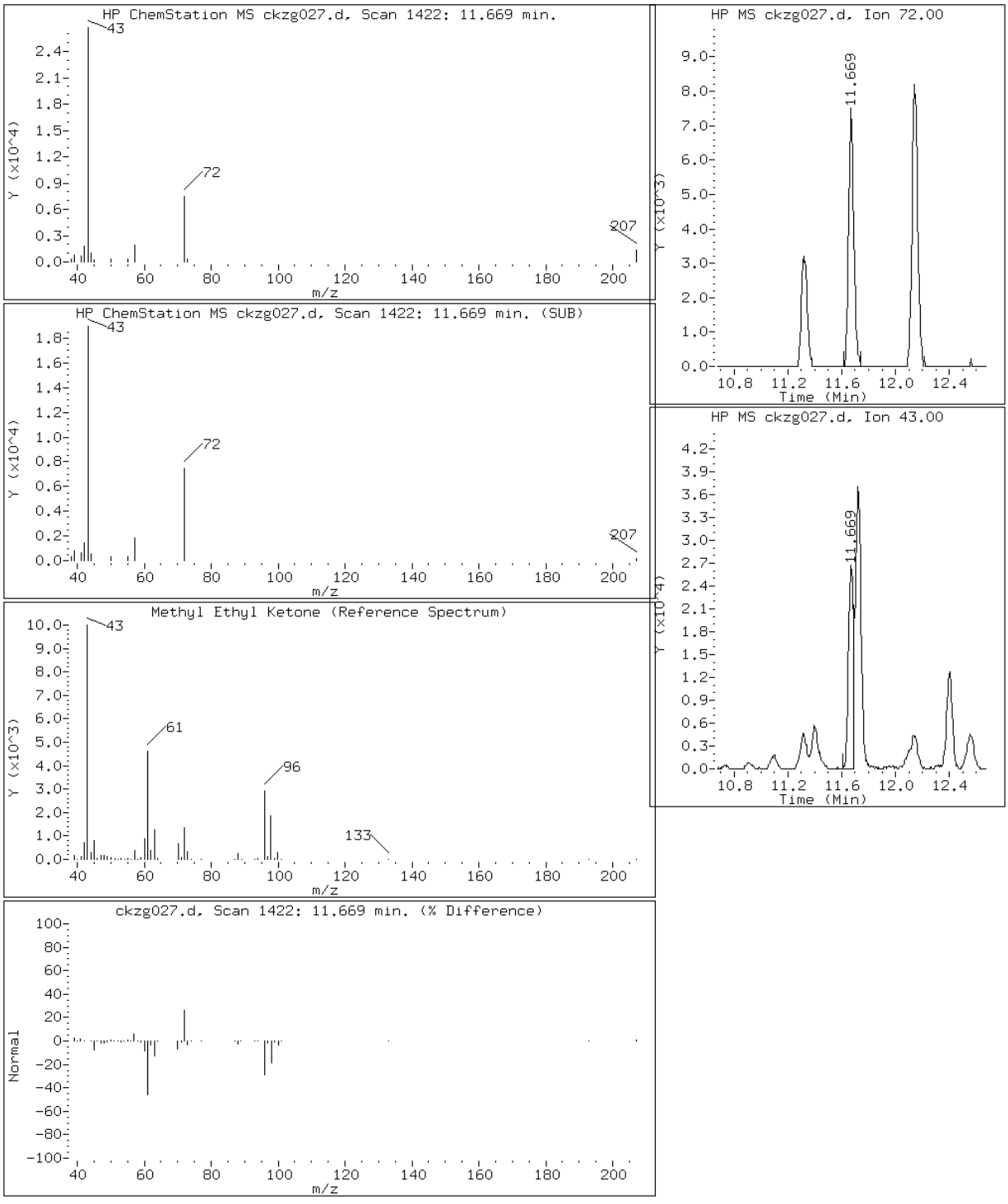
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

36 Methyl Ethyl Ketone



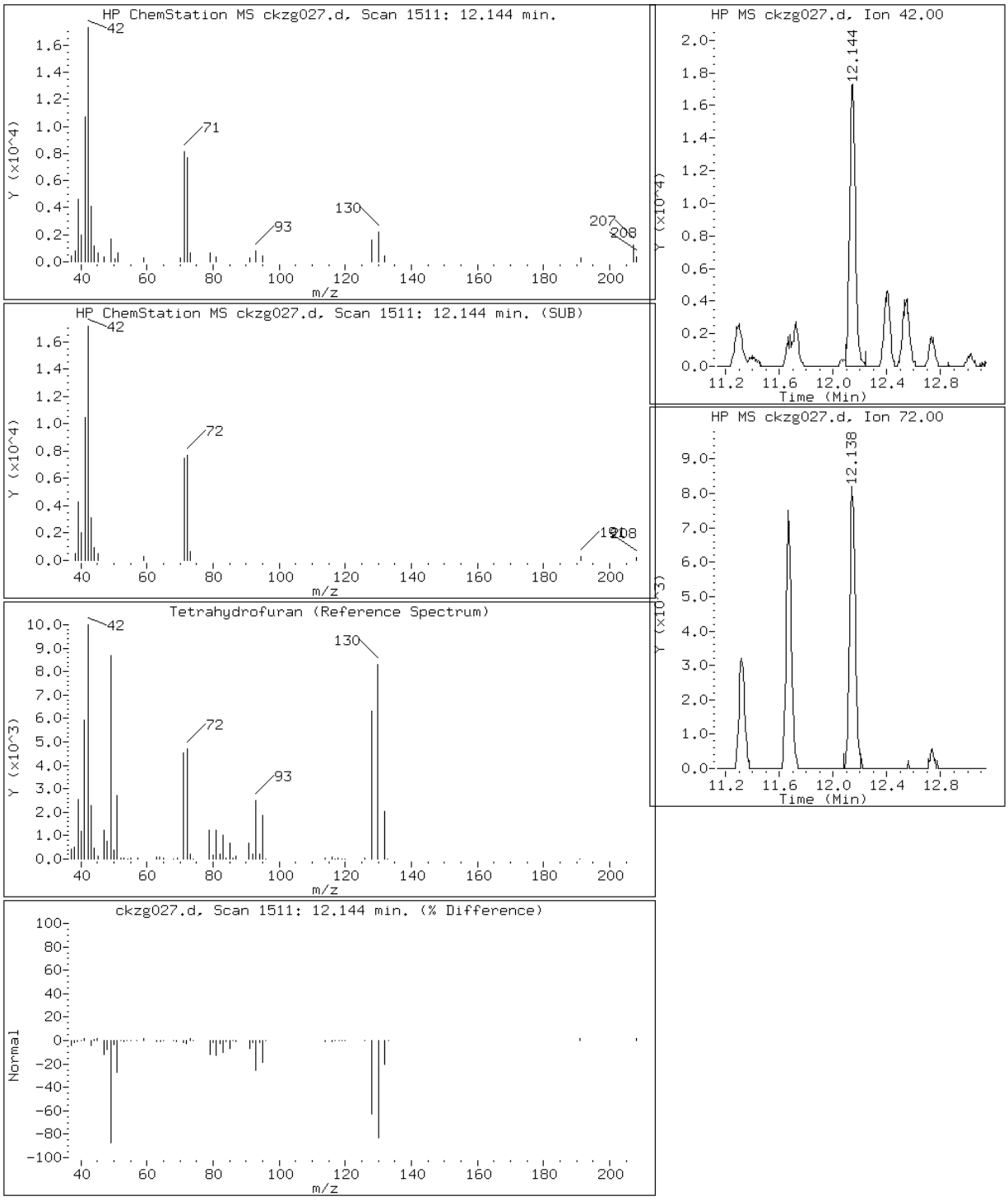
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

38 Tetrahydrofuran



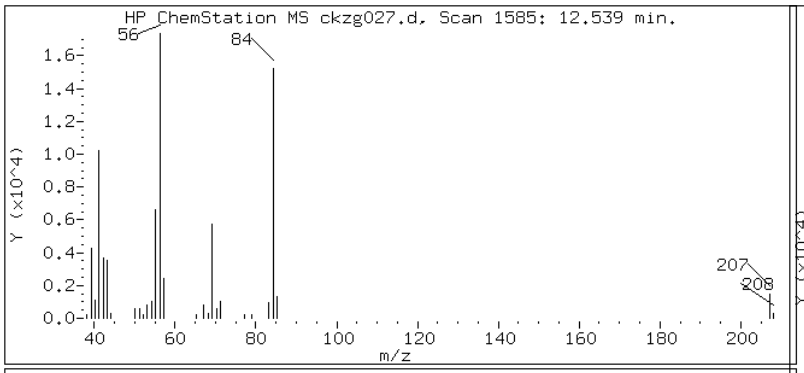
Data File: ckzg027.d

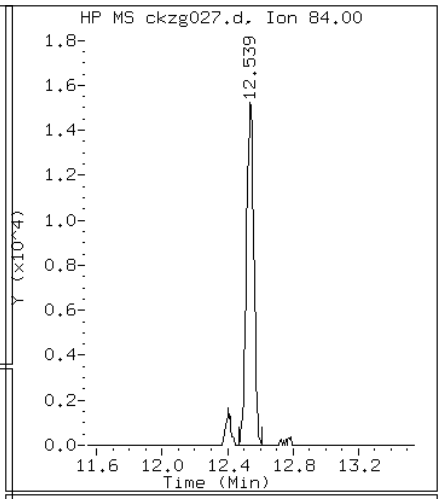
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

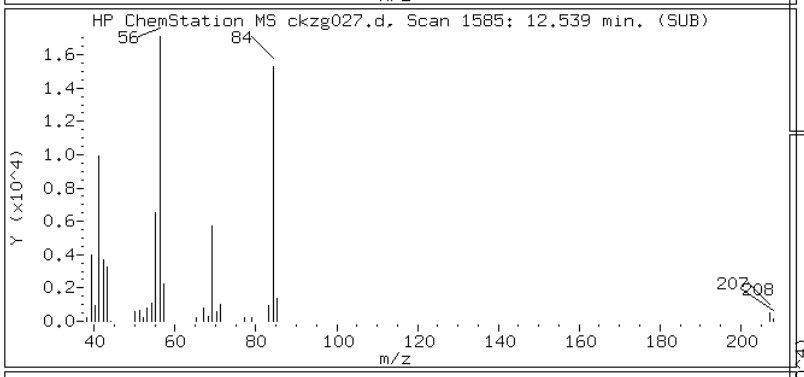
Client ID: 774776OA1HA Instrument: C.i

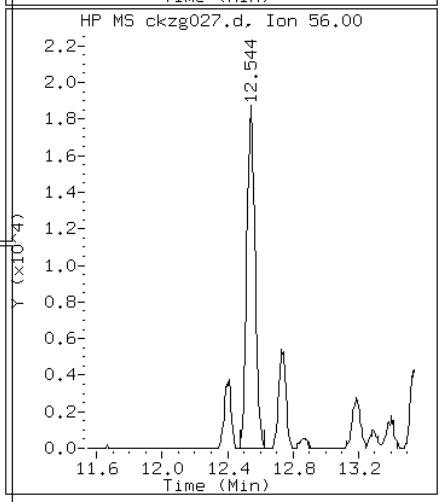
Sample Info: 280-32071-A-8 Operator: pad

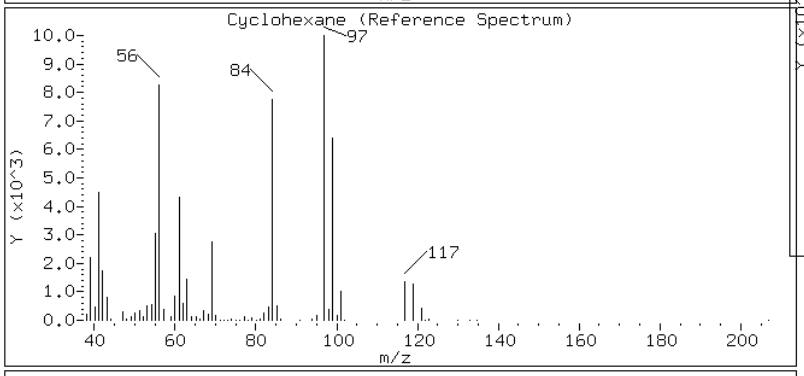
40 Cyclohexane

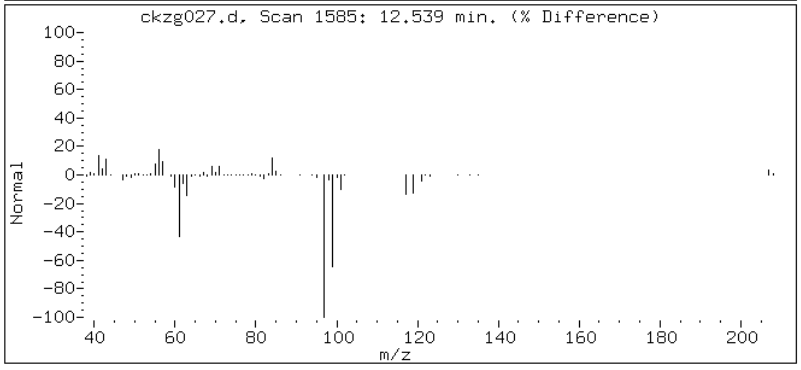












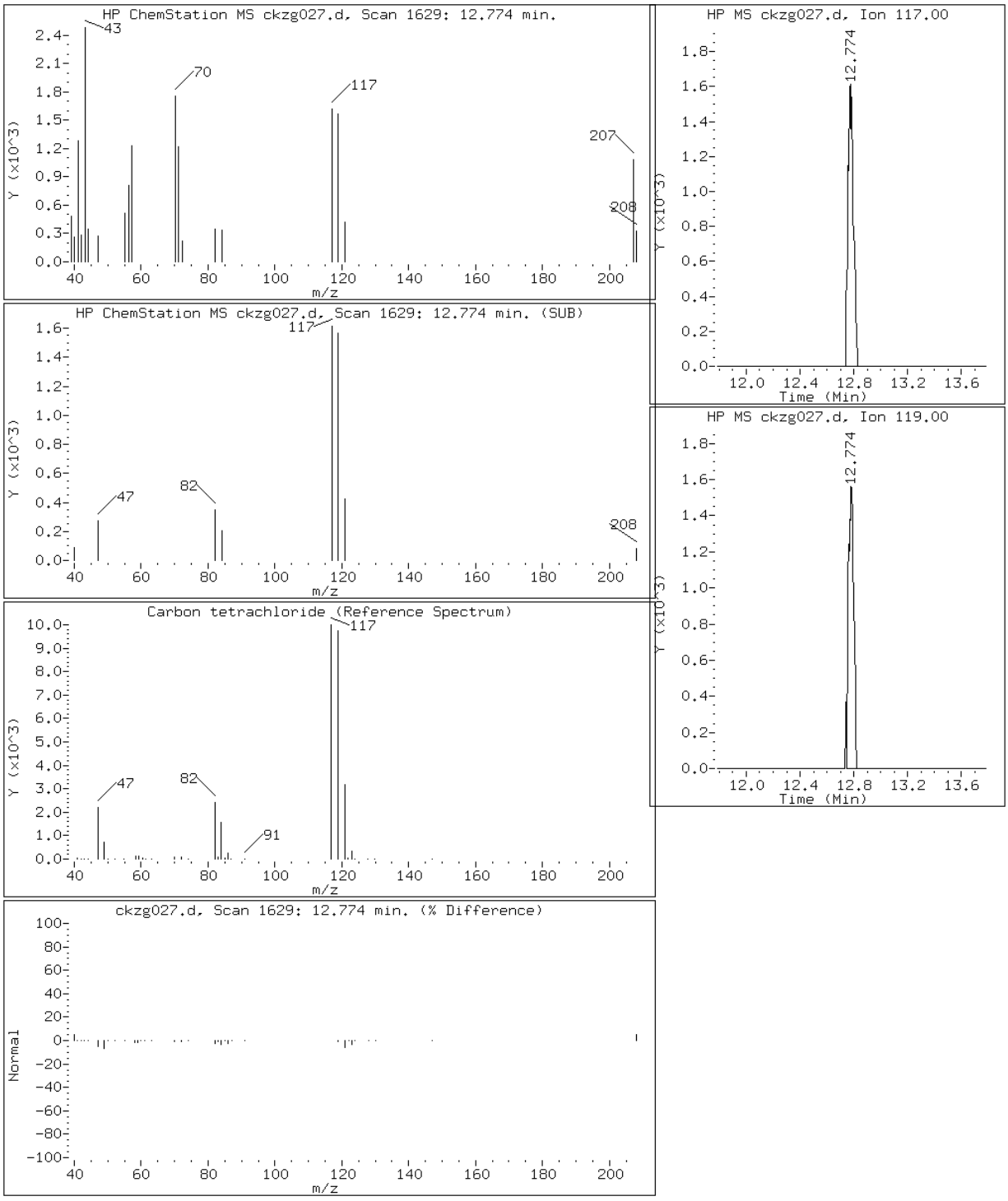
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

42 Carbon tetrachloride



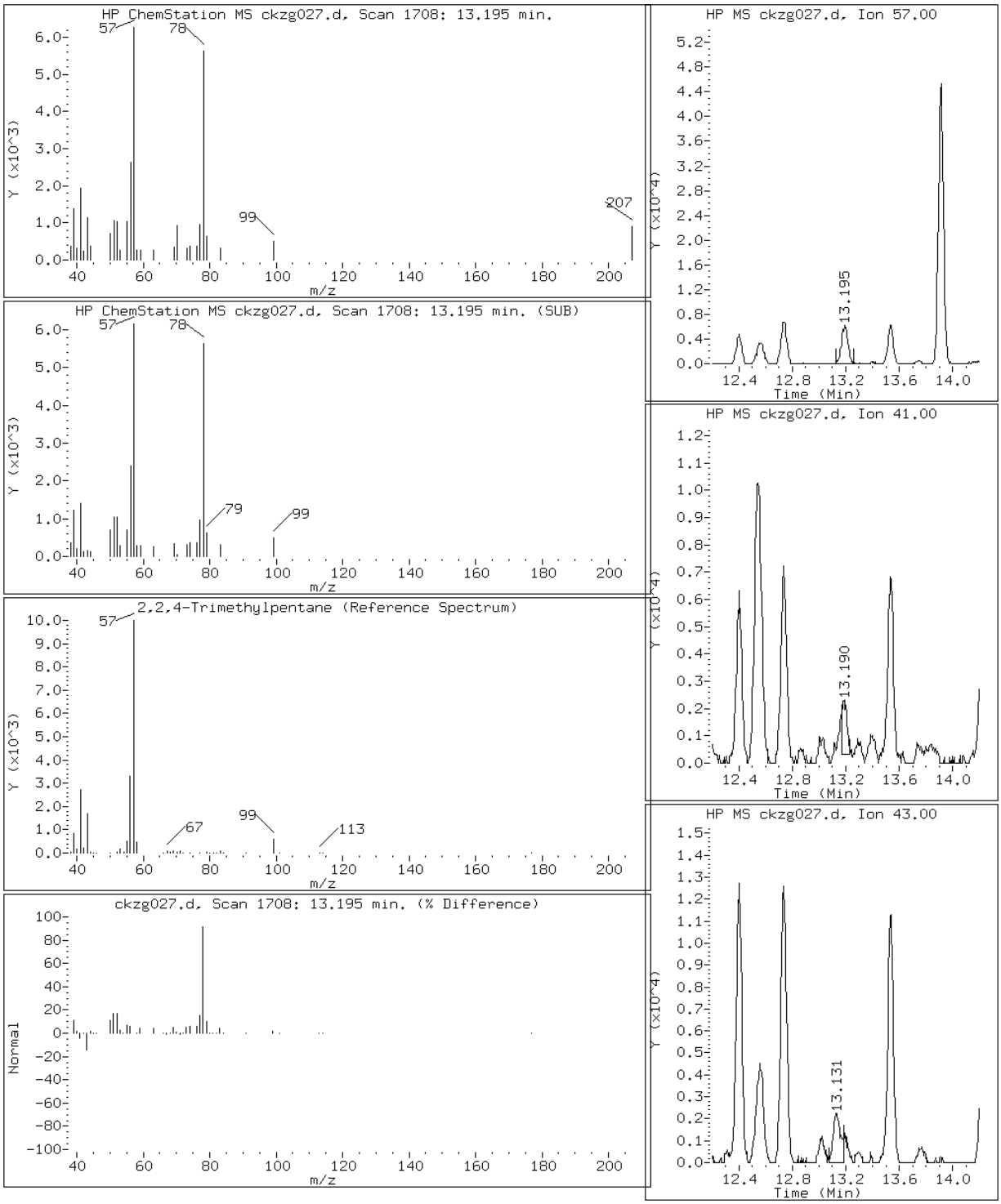
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

43 2,2,4-Trimethylpentane



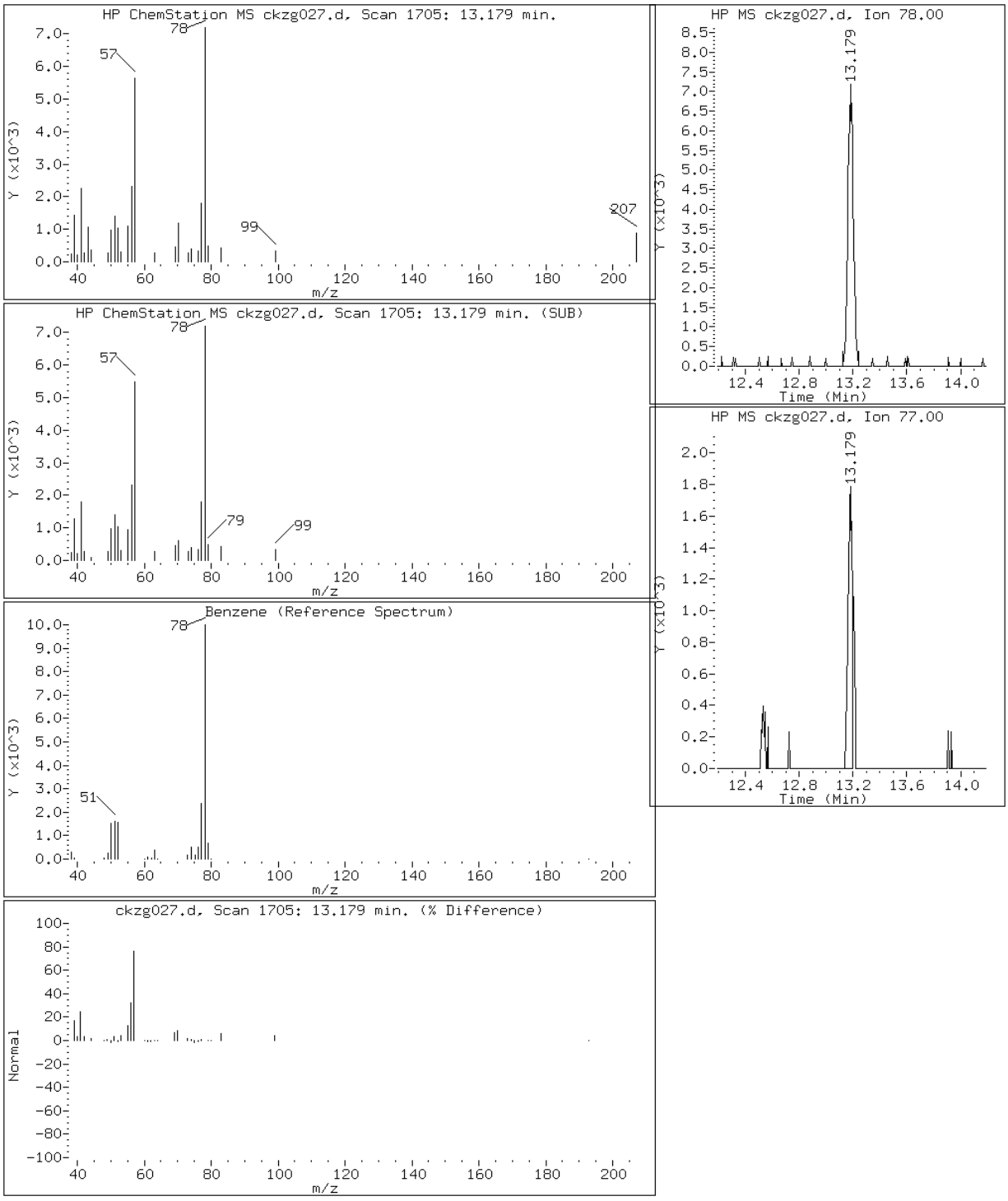
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

44 Benzene



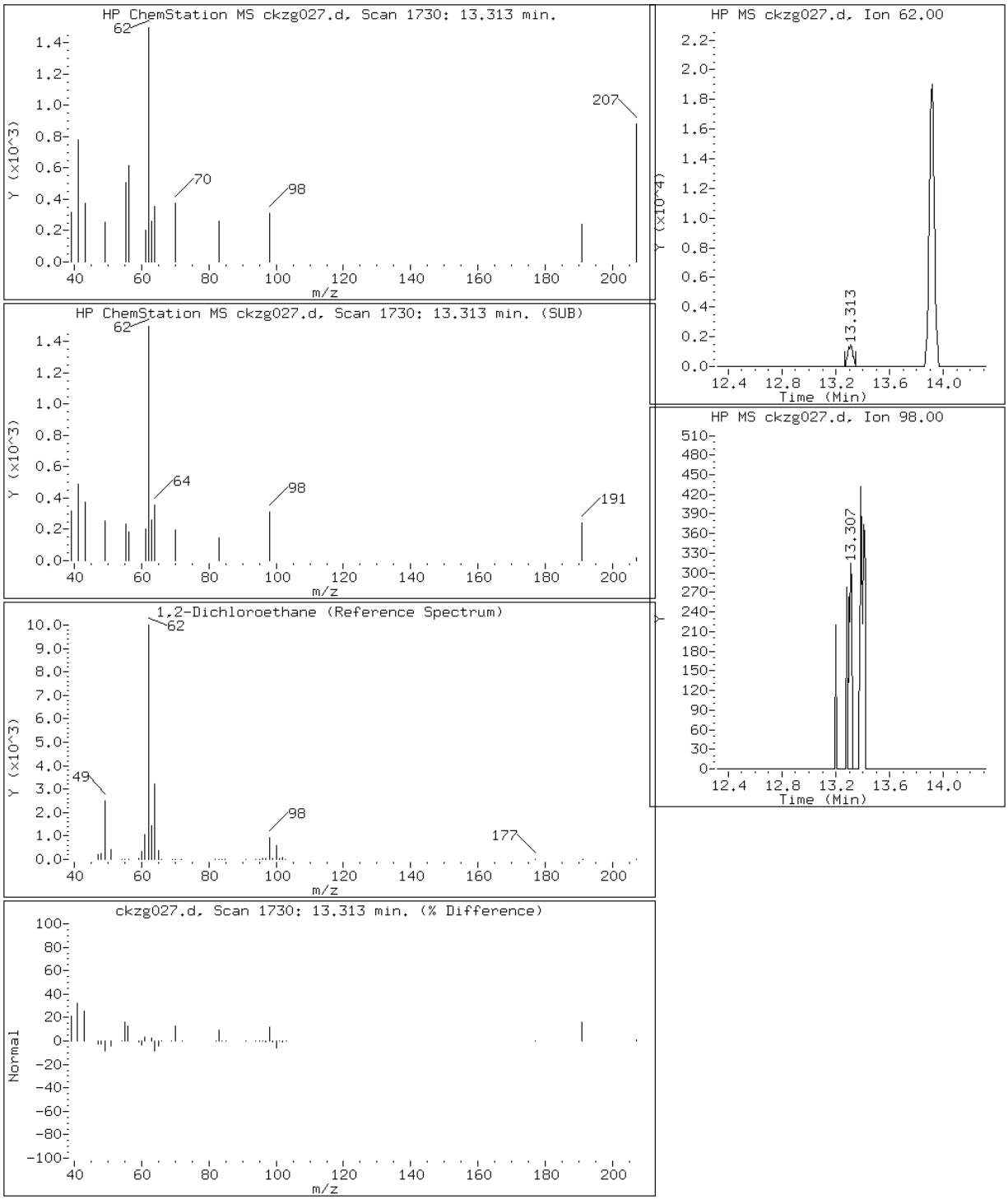
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

45 1,2-Dichloroethane



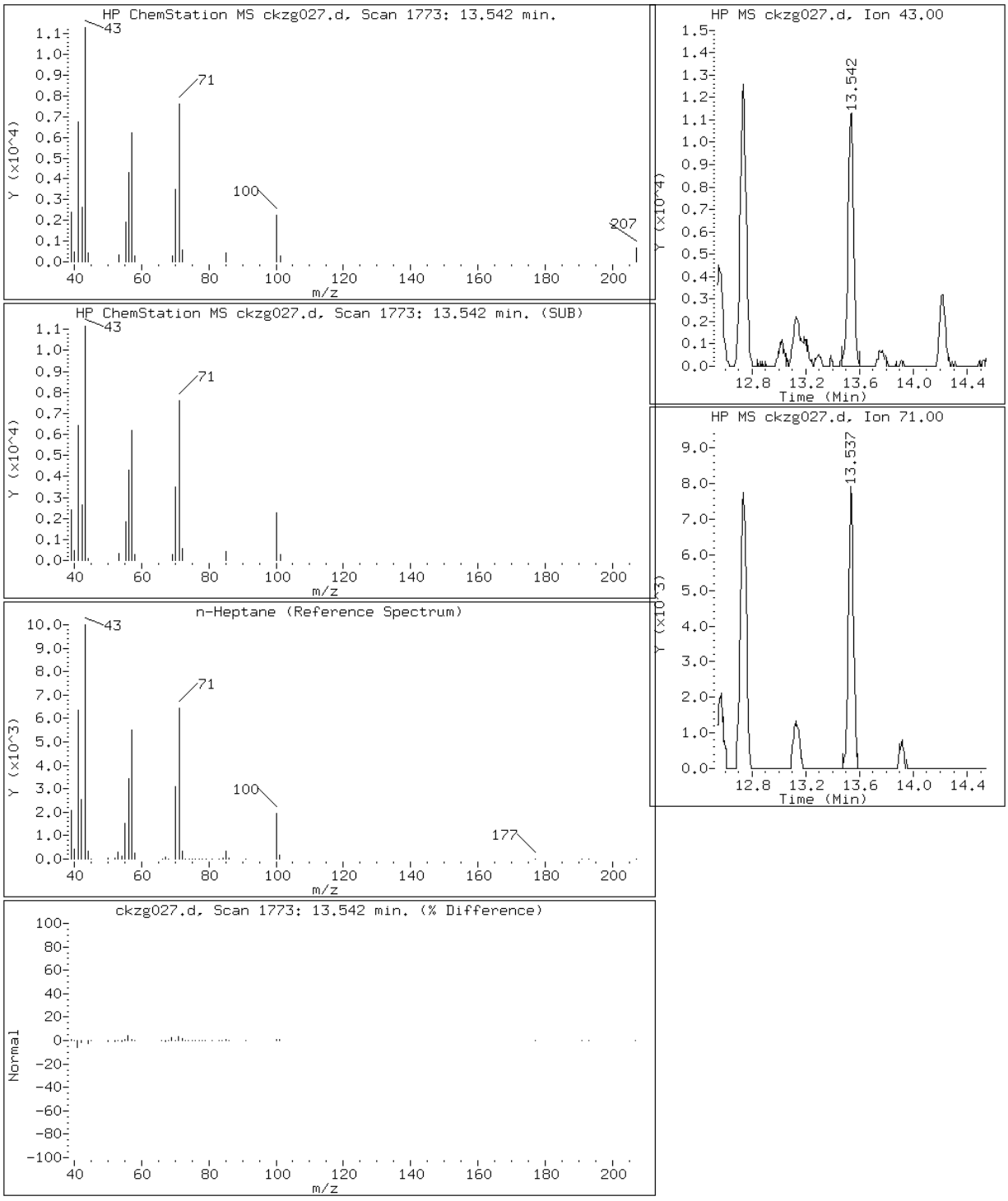
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

46 n-Heptane



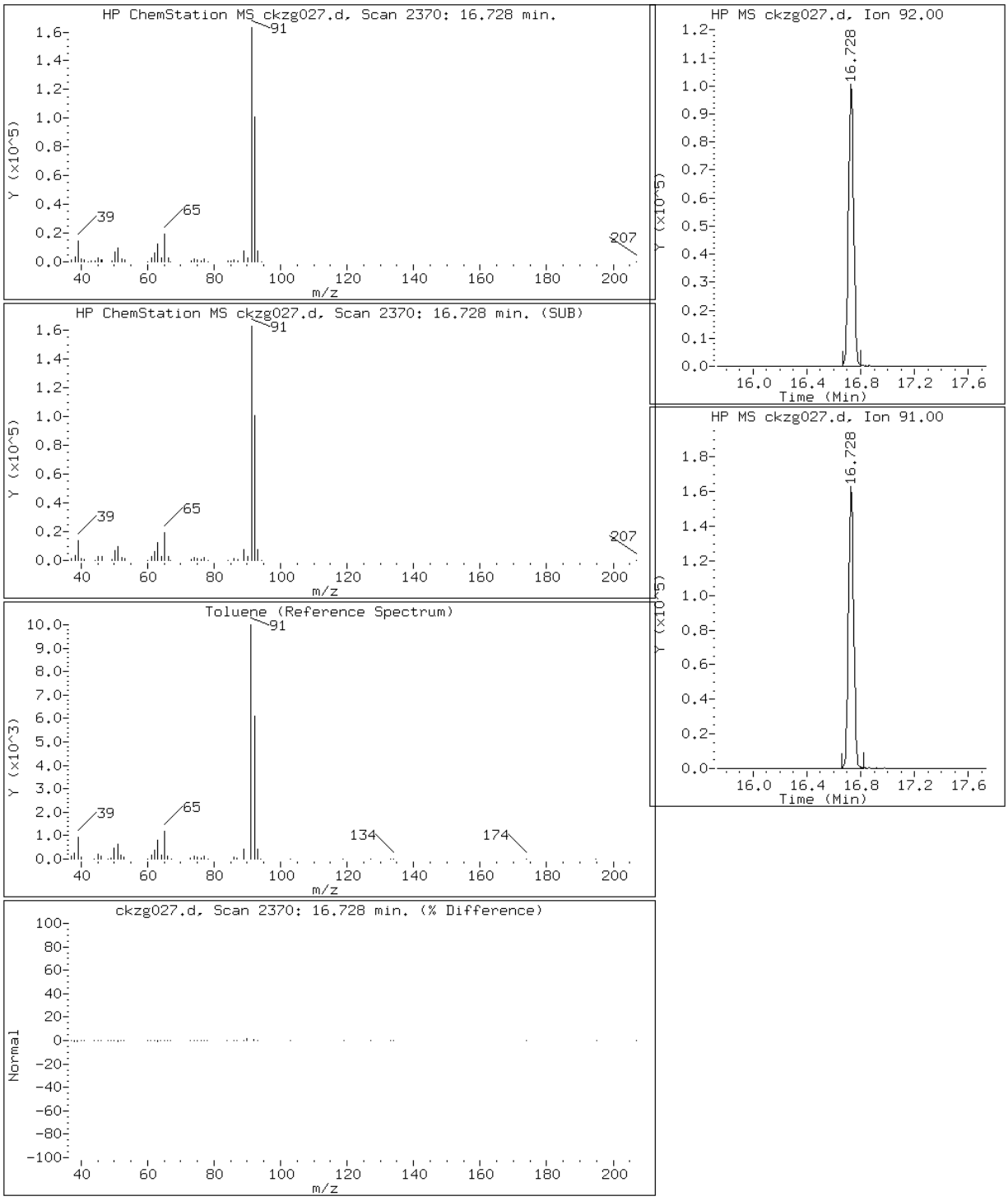
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

58 Toluene



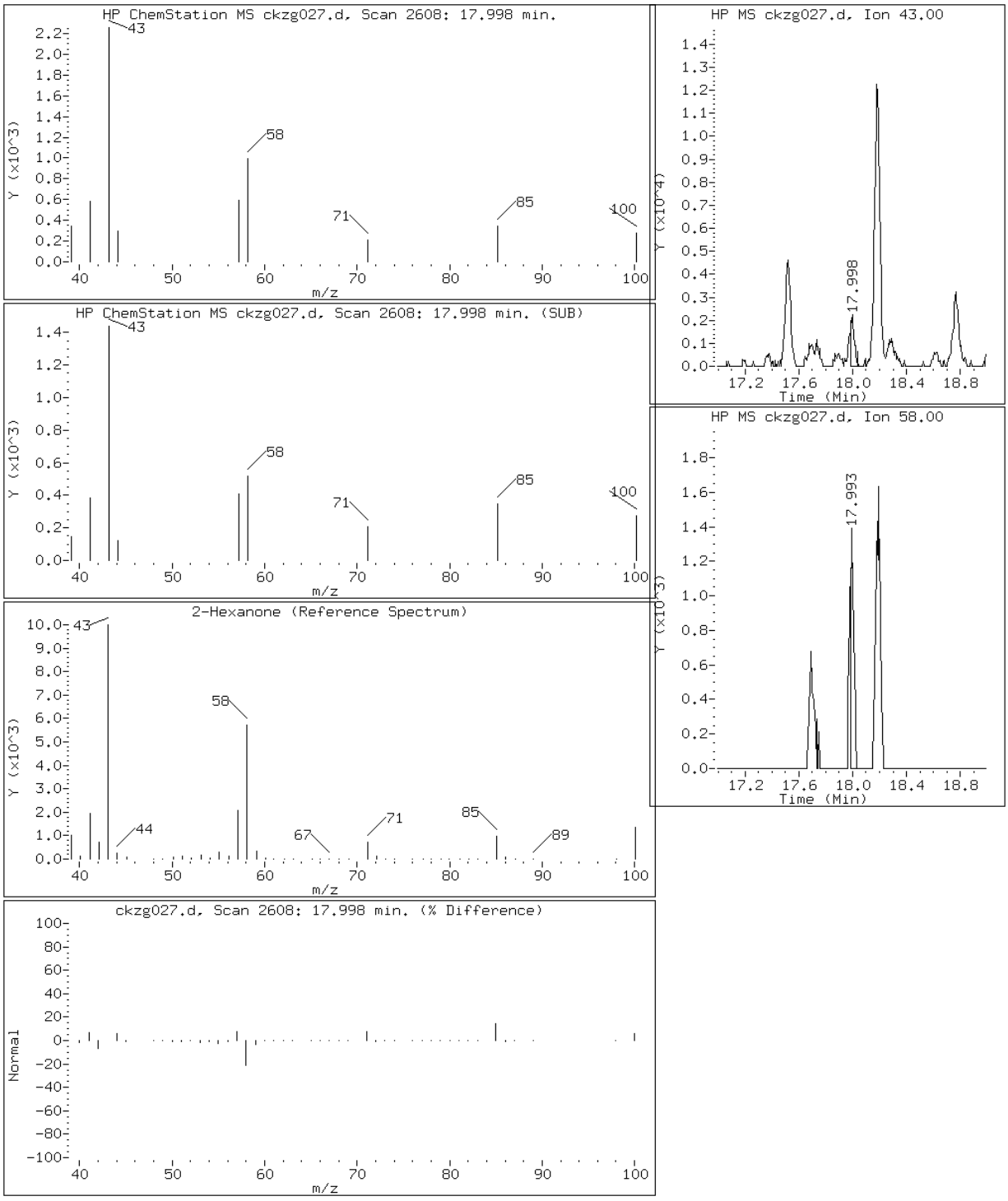
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

62 2-Hexanone



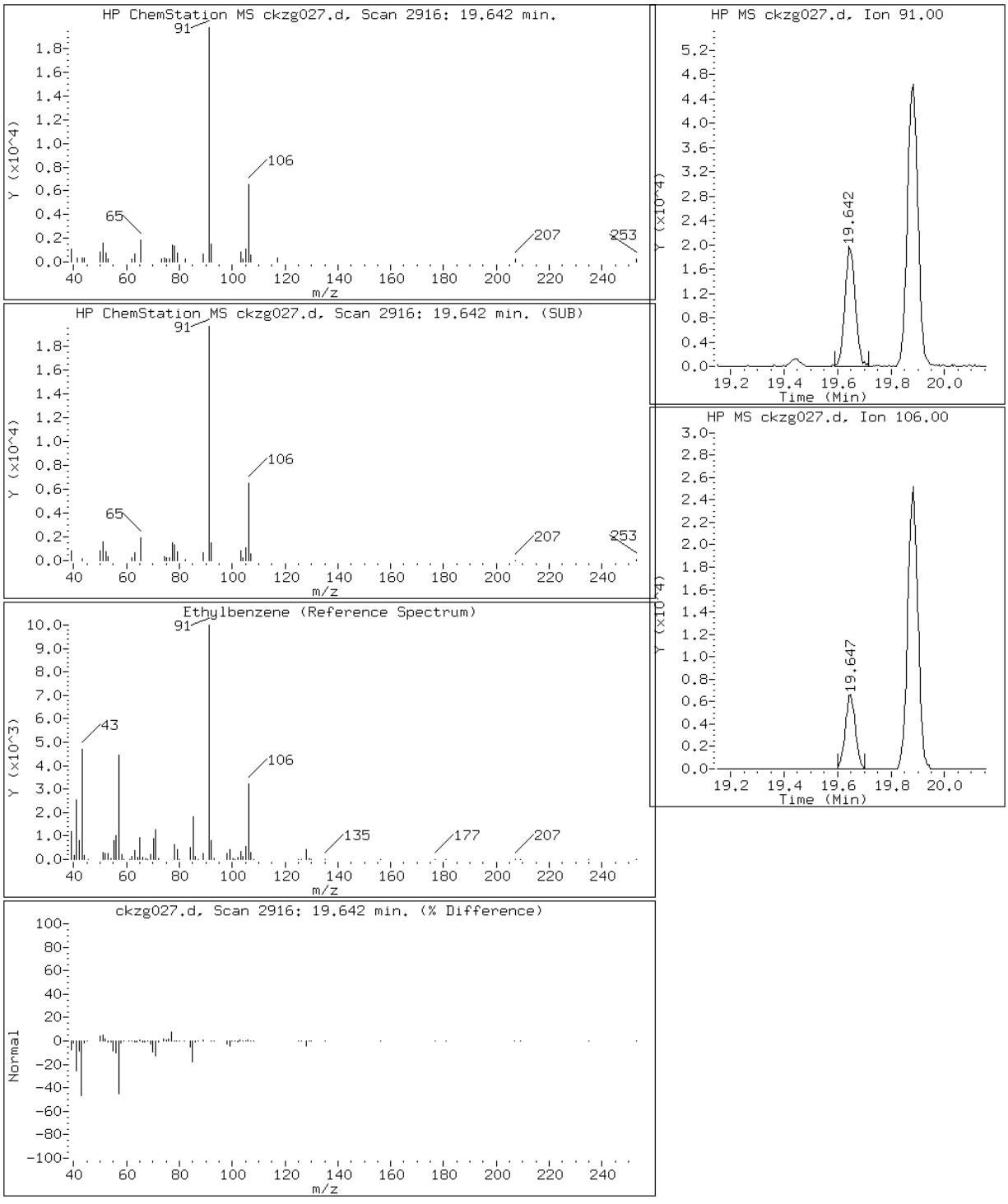
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

68 Ethylbenzene



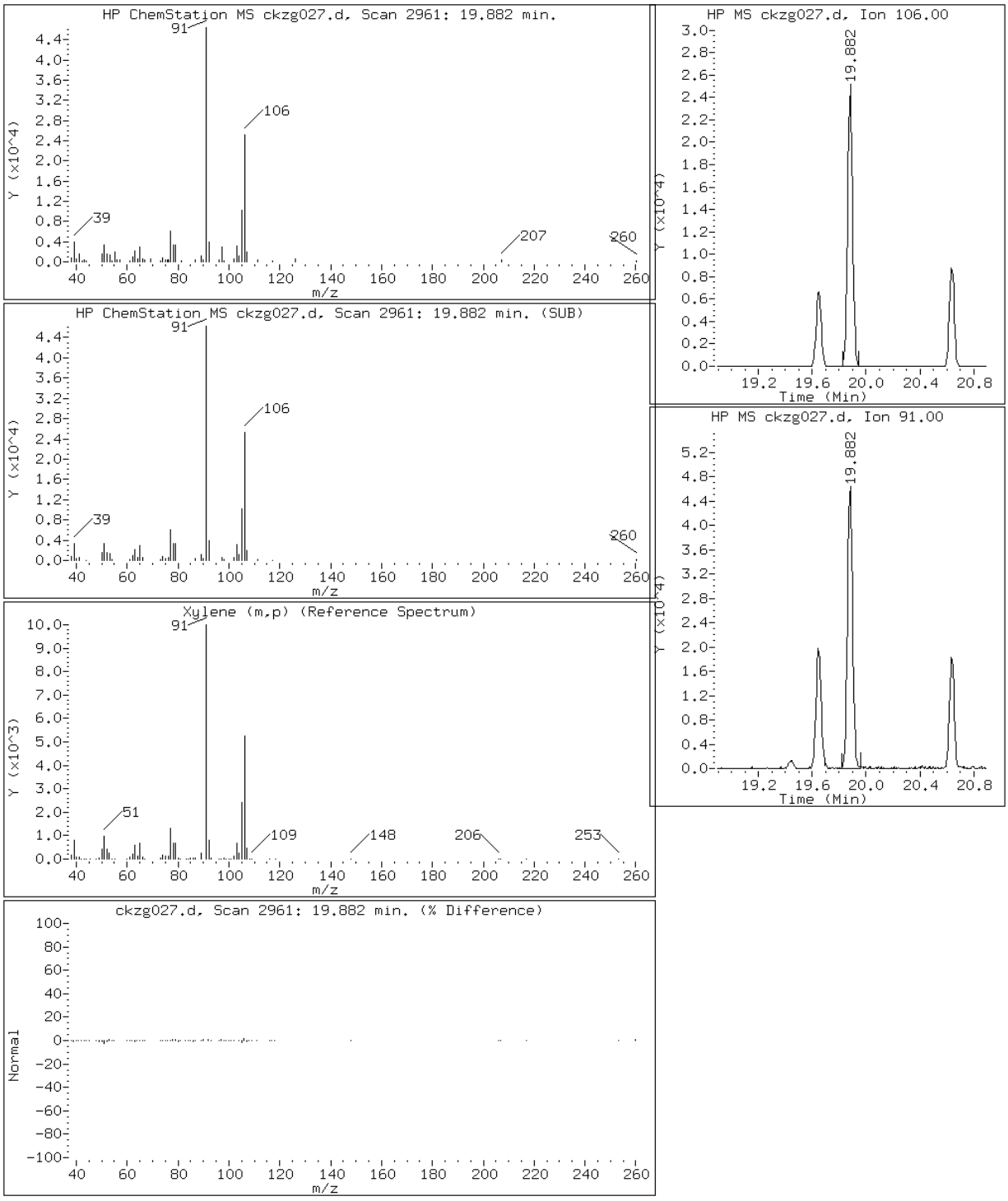
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

69 Xylene (m,p)



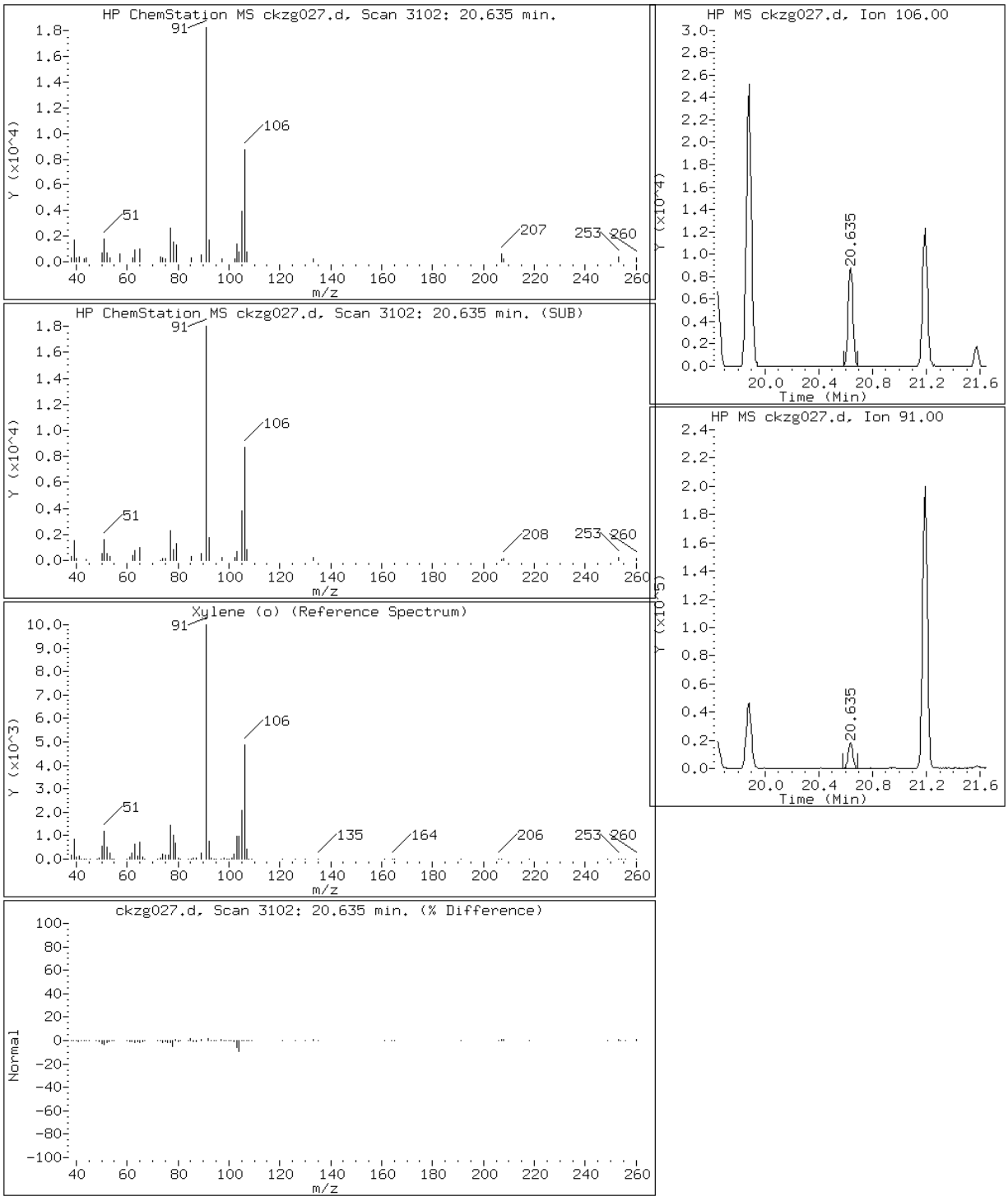
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

71 Xylene (o)



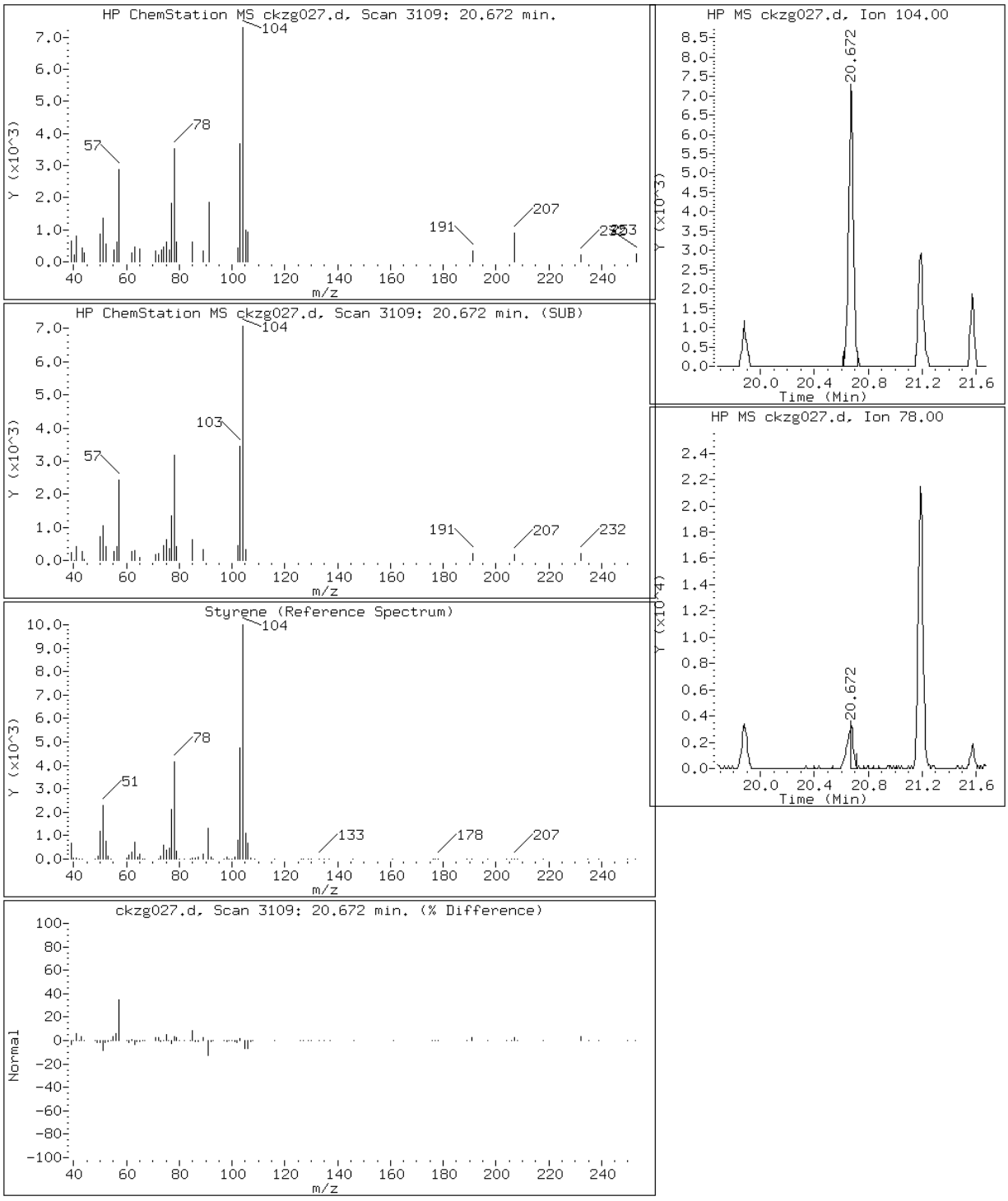
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

72 Styrene



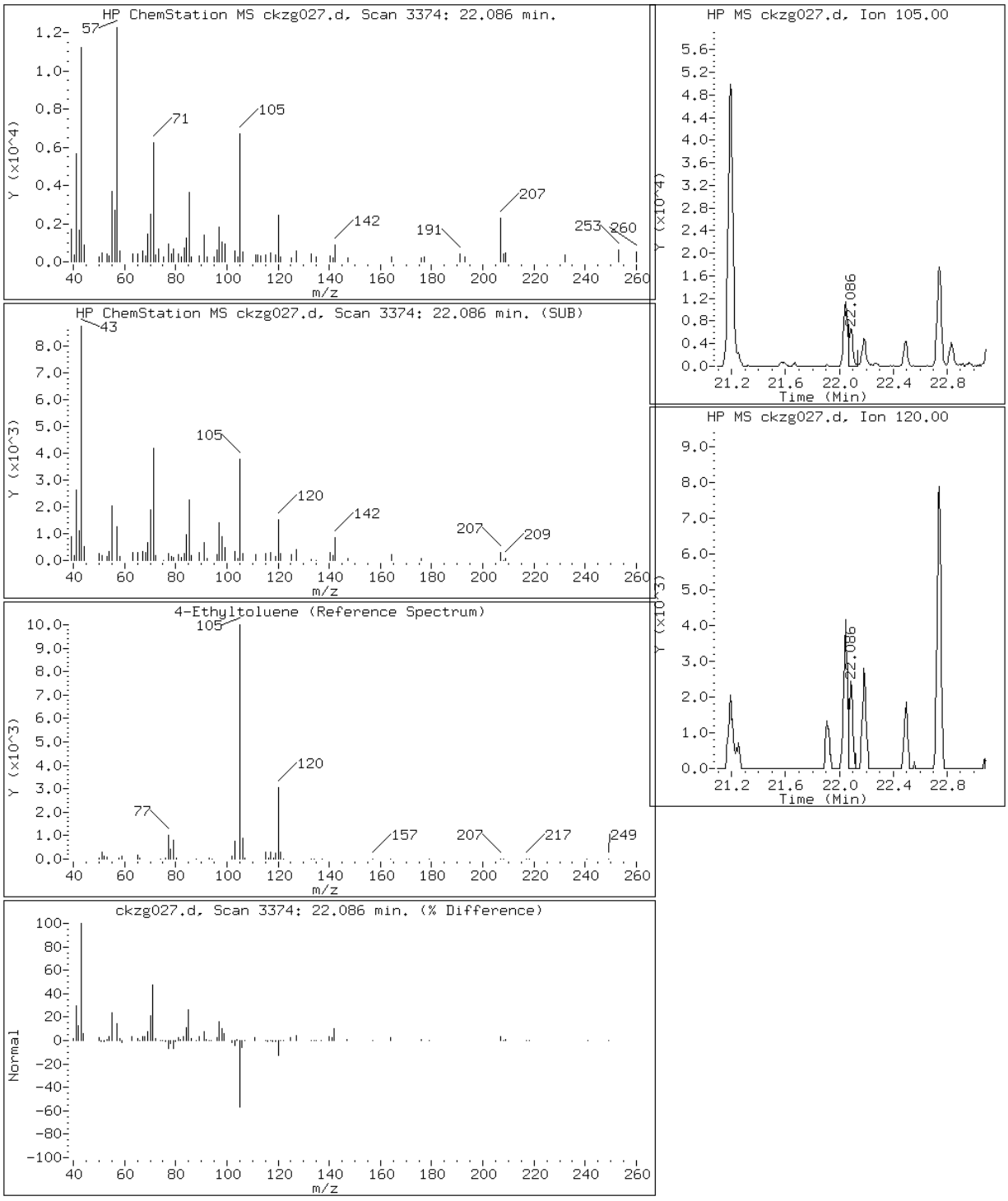
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

79 4-Ethyltoluene



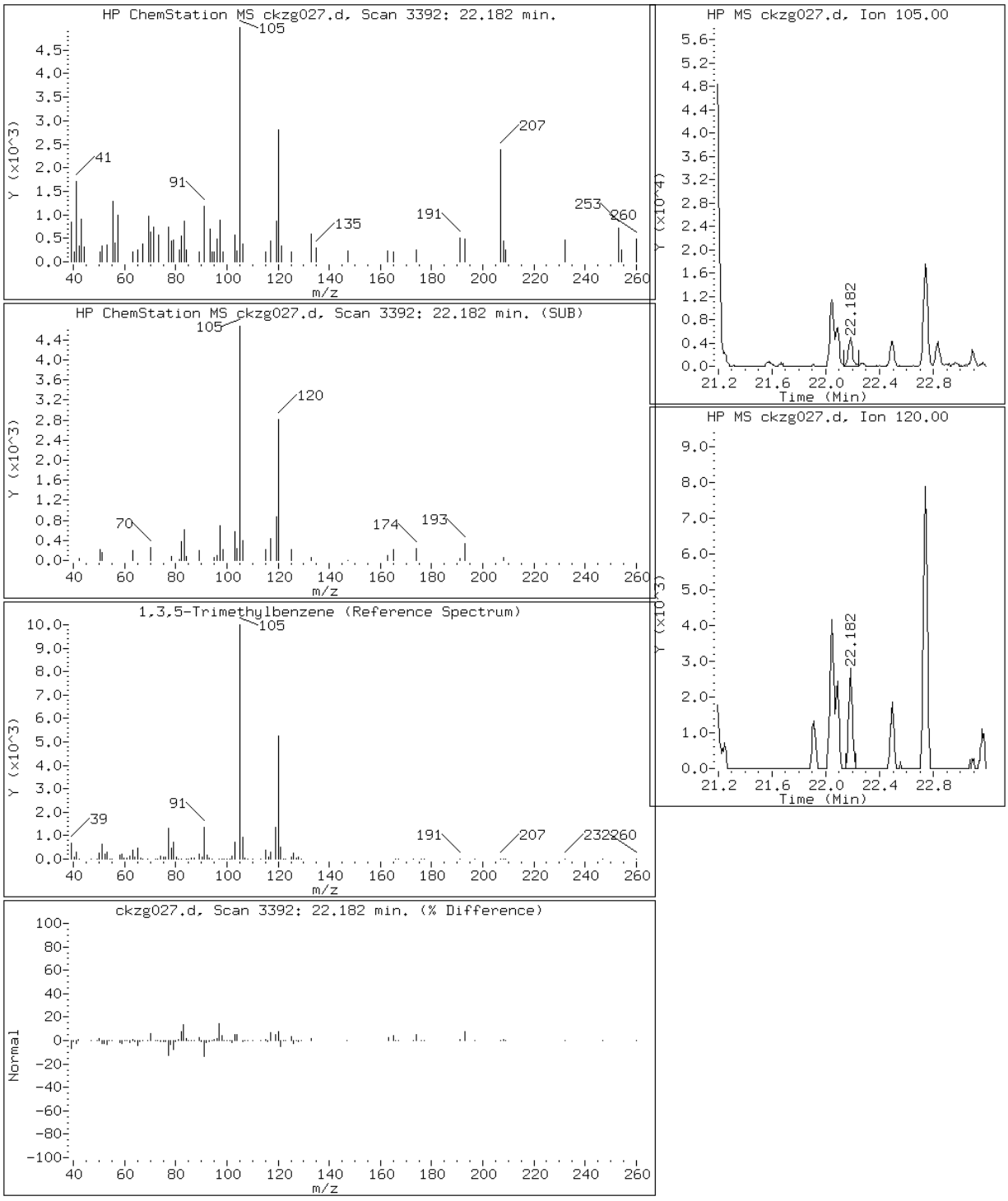
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

81 1,3,5-Trimethylbenzene



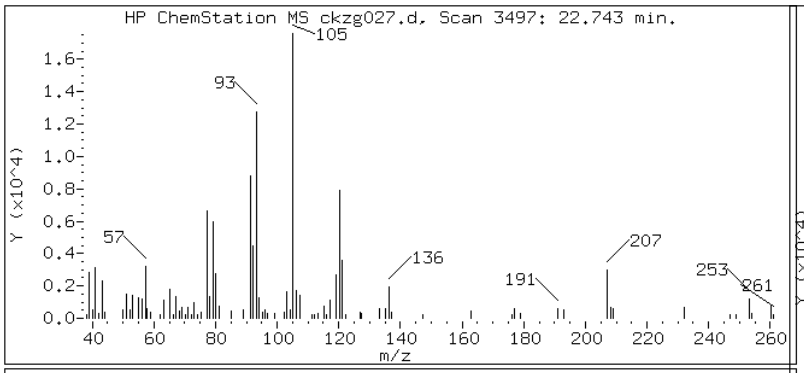
Data File: ckzg027.d

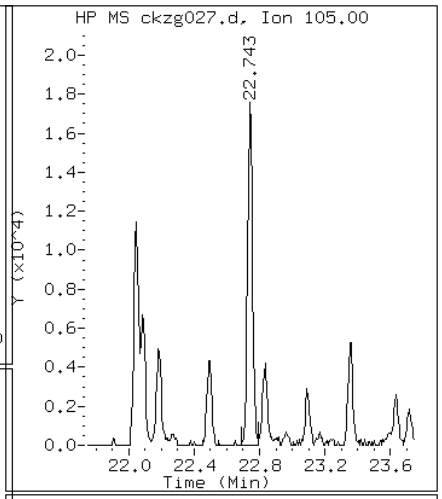
Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

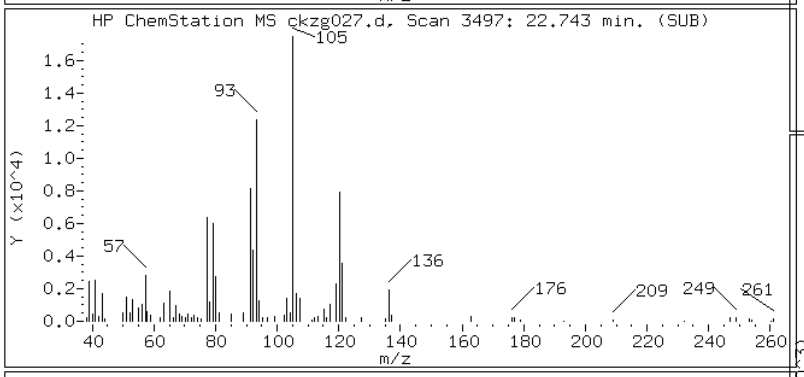
Client ID: 774776OA1HA Instrument: C.i

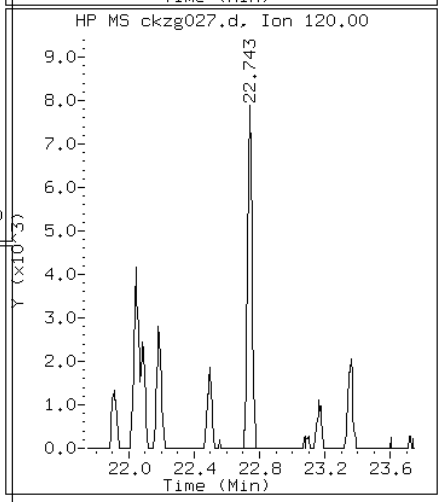
Sample Info: 280-32071-A-8 Operator: pad

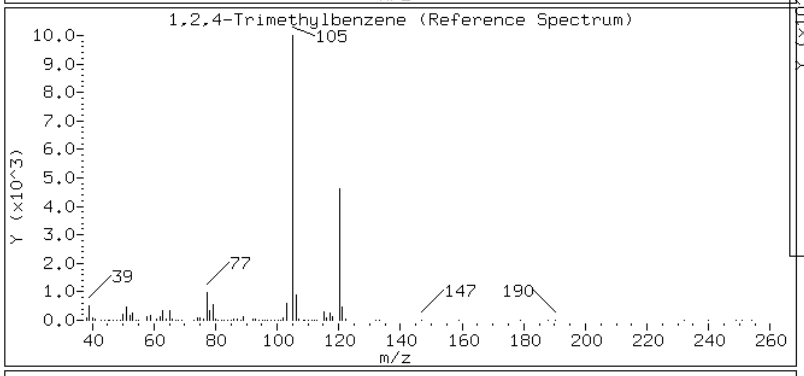
84 1,2,4-Trimethylbenzene

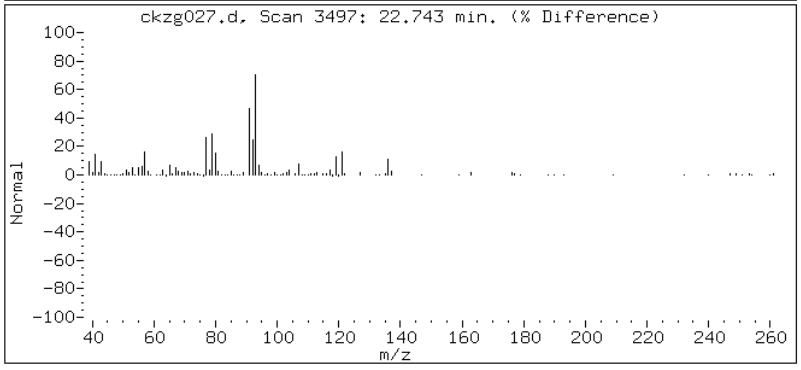












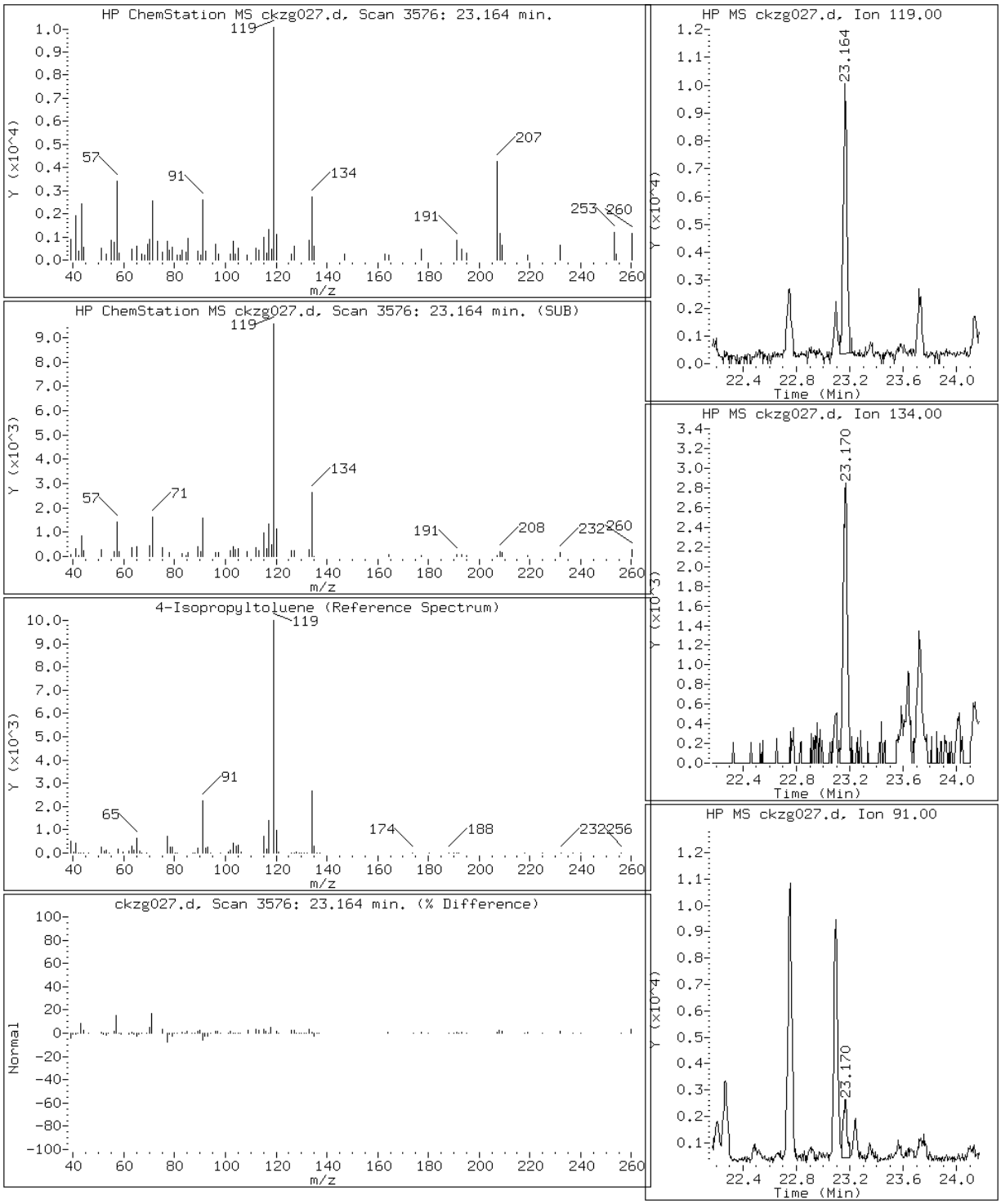
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

86 4-Isopropyltoluene



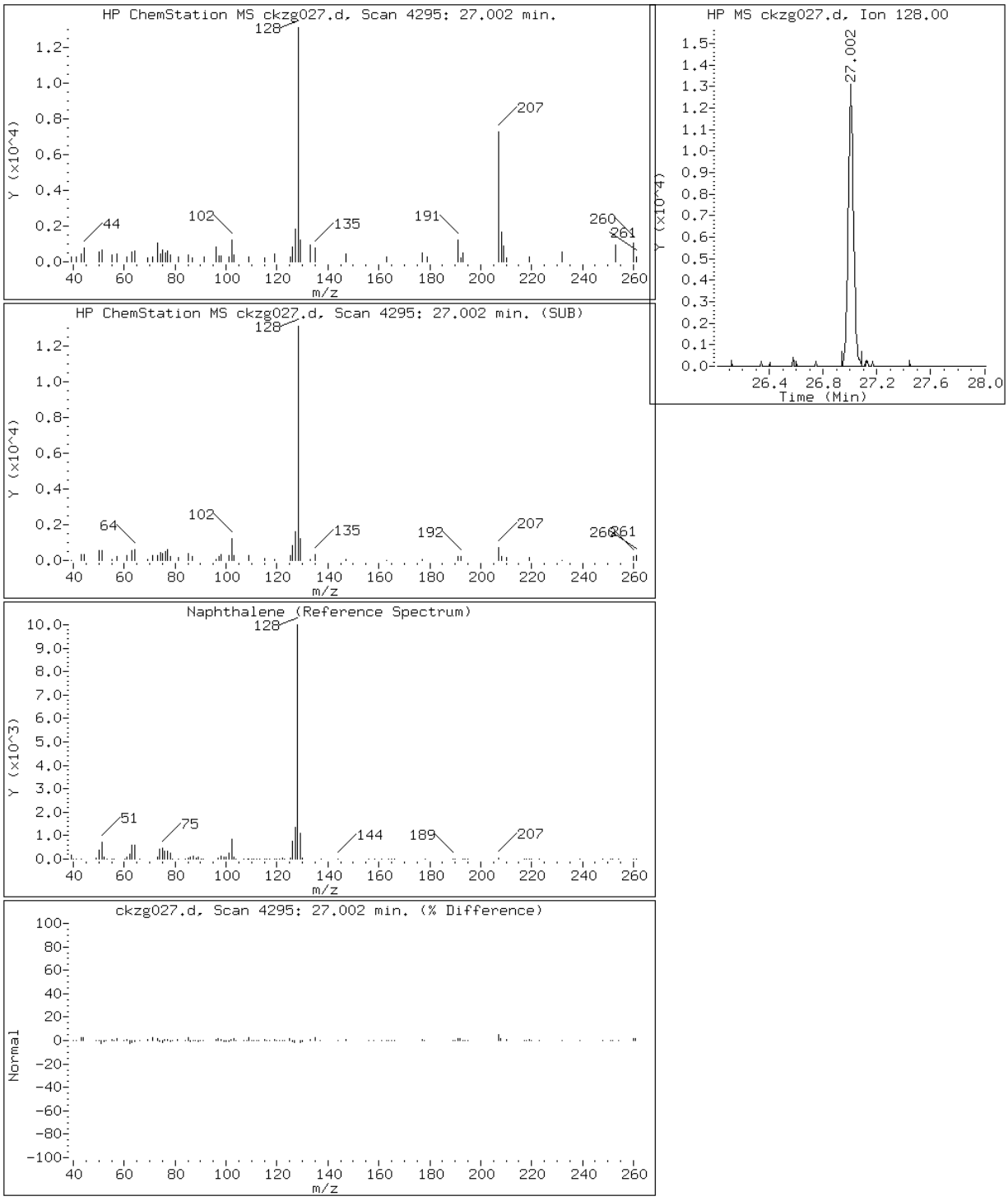
Data File: ckzg027.d

Lab Sample ID: 280-32071-8 Date: 23-AUG-2012 10:54

Client ID: 774776OA1HA Instrument: C.i

Sample Info: 280-32071-A-8 Operator: pad

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776IA1GA Lab Sample ID: 280-32071-9

Matrix: Air Lab File ID: ckzg015.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:25

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.020
75-45-6	Freon 22	86.47	3.9		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.72		0.50	0.034
106-97-8	n-Butane	58.12	3.7		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.075	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	29		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	23		5.0	0.076
75-15-0	Carbon disulfide	76.14	0.21	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.49	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	1.8	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.56		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	2.2		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.051	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.30	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.35		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.072	J M	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.13	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776IA1GA Lab Sample ID: 280-32071-9

Matrix: Air Lab File ID: ckzg015.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:25

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.36		0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.67		0.50	0.034
108-88-3	Toluene	92.14	1.4		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.29	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.26		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.57		0.50	0.022
95-47-6	Xylene, o-	106.17	0.19	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.75		0.20	0.016
100-42-5	Styrene	104.15	0.44		0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.11	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.061	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776IA1GA Lab Sample ID: 280-32071-9

Matrix: Air Lab File ID: ckzg015.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:25

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.42	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776IA1GA Lab Sample ID: 280-32071-9

Matrix: Air Lab File ID: ckzg015.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:25

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	14		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.5		1.0	0.070
106-97-8	n-Butane	58.12	8.9		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
76-13-1	Freon TF	187.38	0.57	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	68		12	0.95
67-63-0	Isopropyl alcohol	60.10	57		12	0.19
75-15-0	Carbon disulfide	76.14	0.64	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	1.7	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	5.4	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	2.0		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	6.5		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.25	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.90	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	1.2		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.46	J M	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.40	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776IA1GA Lab Sample ID: 280-32071-9

Matrix: Air Lab File ID: ckzg015.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:25

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.5		0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	2.7		2.0	0.14
108-88-3	Toluene	92.14	5.3		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.2	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	1.1		0.87	0.065
179601-23-1	m,p-Xylene	106.17	2.5		2.2	0.096
95-47-6	Xylene, o-	106.17	0.81	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	3.3		0.87	0.069
100-42-5	Styrene	104.15	1.9		0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.55	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.33	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 776IA1GA Lab Sample ID: 280-32071-9

Matrix: Air Lab File ID: ckzg015.d

Analysis Method: TO-15 Date Collected: 08/06/2012 10:25

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	2.2	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-9
Client Smp ID: 776IA1GA
Inj Date : 23-AUG-2012 00:12
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-9
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	44575	0.49110	0.49(a)
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	176282	3.85393	3.9
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	18247	0.72090	0.72
6 Butane	43	5.067	5.078	(0.419)	167067	3.73166	3.7
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.850	6.860	(0.567)	23308	0.24349	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.024	8.034	(0.664)	5001	0.07472	0.075(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.253	8.269	(0.683)	1045167	28.7135	29

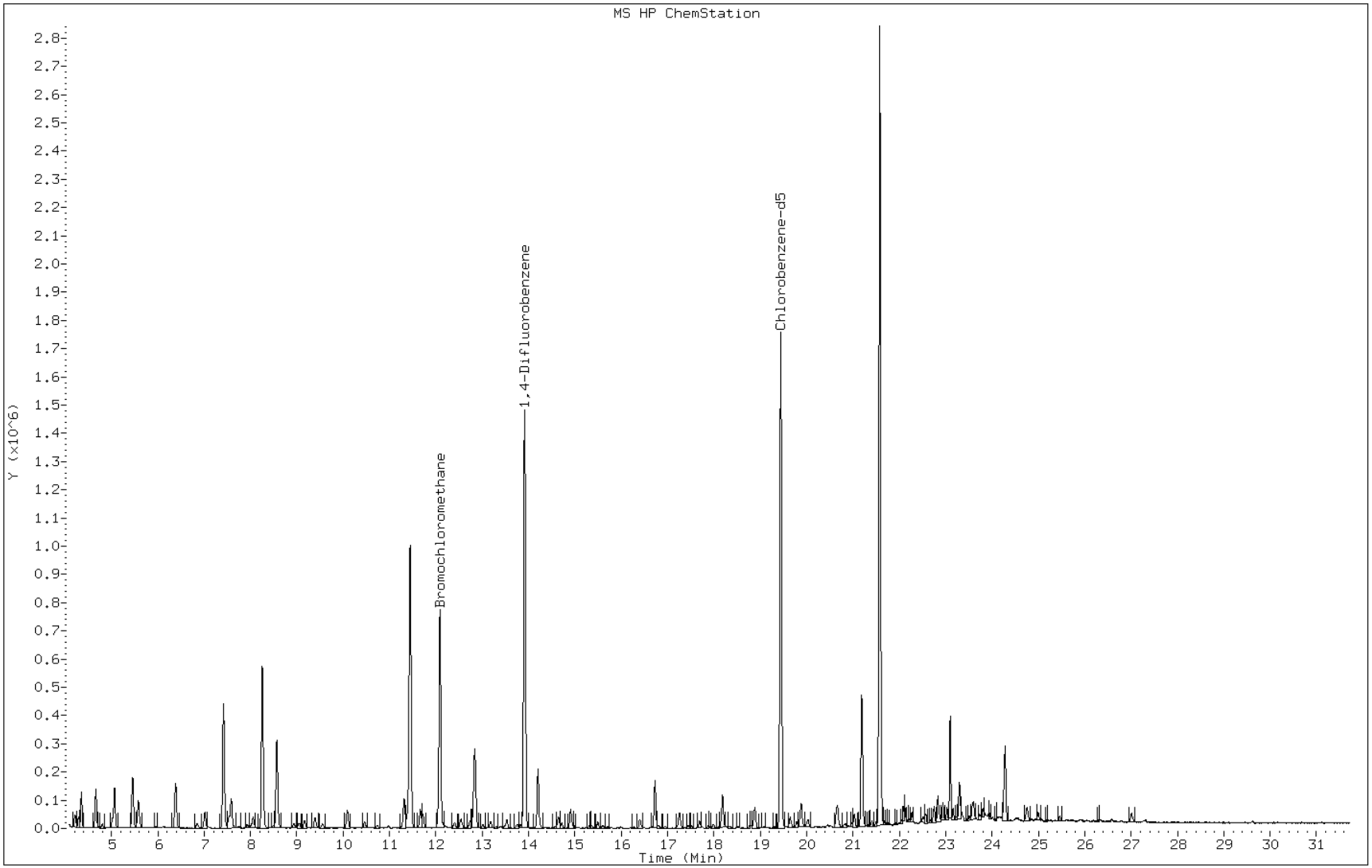
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	18196	0.20622	0.21(a)
	22 Isopropanol	45	8.568	8.573	(0.709)	589483	23.0501	23
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.166	9.177	(0.758)	15366	0.49486	0.49(a)
	26 Tert-butyl alcohol	59	9.390	9.390	(0.777)	69351	1.78281	1.8(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	28217	0.56402	0.56
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	30597	2.21225	2.2(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	330575	10.0000	
	38 Tetrahydrofuran	42	12.138	12.139	(0.872)	8844	0.30475	0.30(a)
	39 Chloroform	83	12.208	12.213	(1.010)	3788	0.05130	0.051(a)
	40 Cyclohexane	84	12.539	12.544	(0.901)	18112	0.34979	0.35(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.779	12.784	(0.918)	6446	0.07246	0.072(aQM)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.179	13.190	(0.947)	13693	0.12524	0.13(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.537	13.542	(0.973)	20960	0.36018	0.36
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1846010	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.397	16.408	(1.178)	34545	0.66922	0.67
	58 Toluene	92	16.733	16.734	(0.861)	116077	1.40219	1.4
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.993	17.993	(0.926)	14190	0.29427	0.29(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1726789	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.653	19.653	(1.011)	44693	0.25667	0.26
	69 Xylene (m,p)	106	19.882	19.893	(1.023)	41017	0.56541	0.57
M	70 Xylenes, Total	106				54143	0.75231	0.75
	71 Xylene (o)	106	20.635	20.646	(1.061)	13126	0.18689	0.19(a)
	72 Styrene	104	20.677	20.678	(1.064)	43553	0.43851	0.44
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	18268	0.11132	0.11(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.170	23.170	(1.192)	12339	0.06064	0.061(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	40146	0.42074	0.42(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg015.d	Date:	23-AUG-2012 00:12
Client ID:	776IA1GA	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-9		
Lab Sample ID:	280-32071-9		



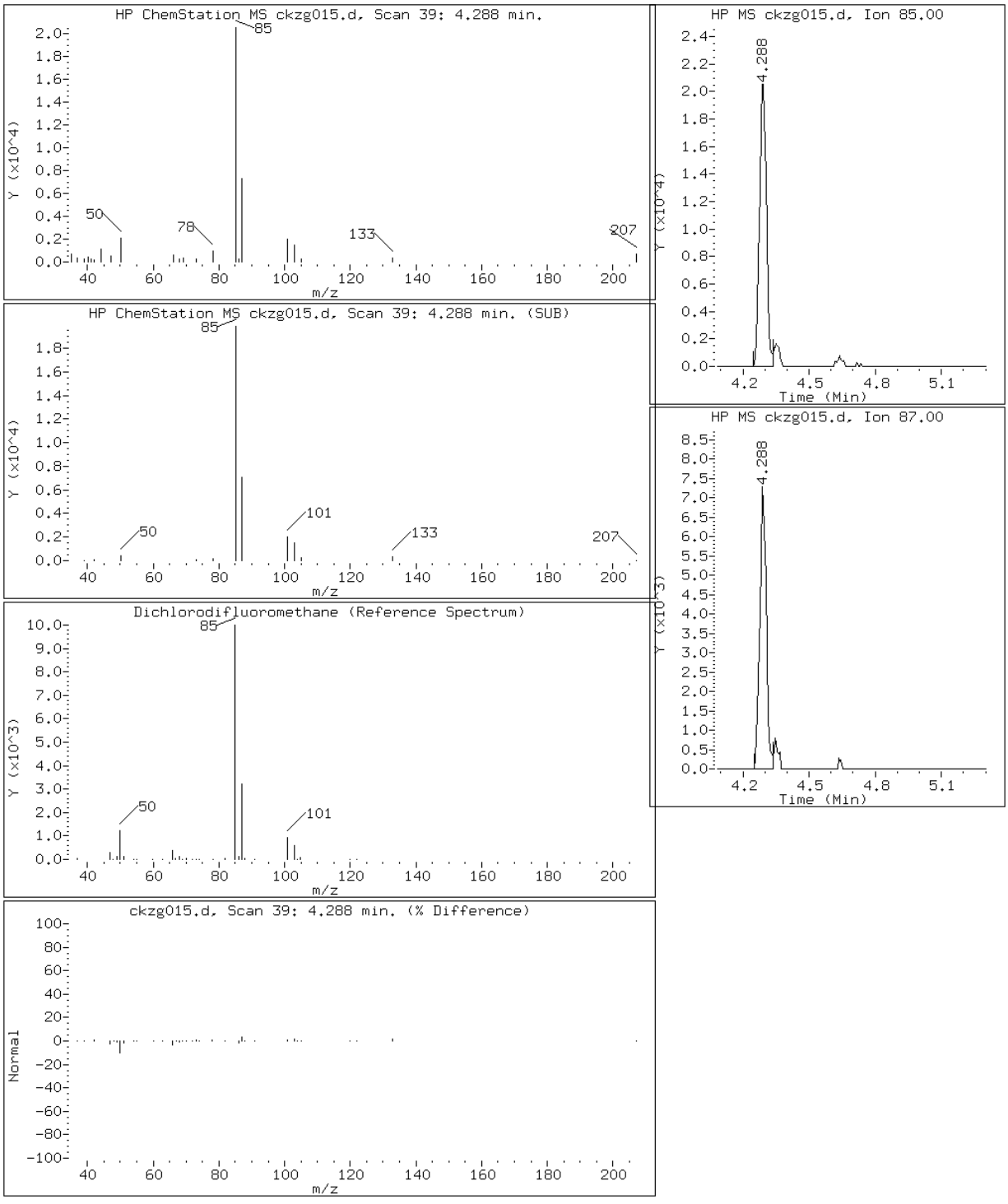
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

2 Dichlorodifluoromethane



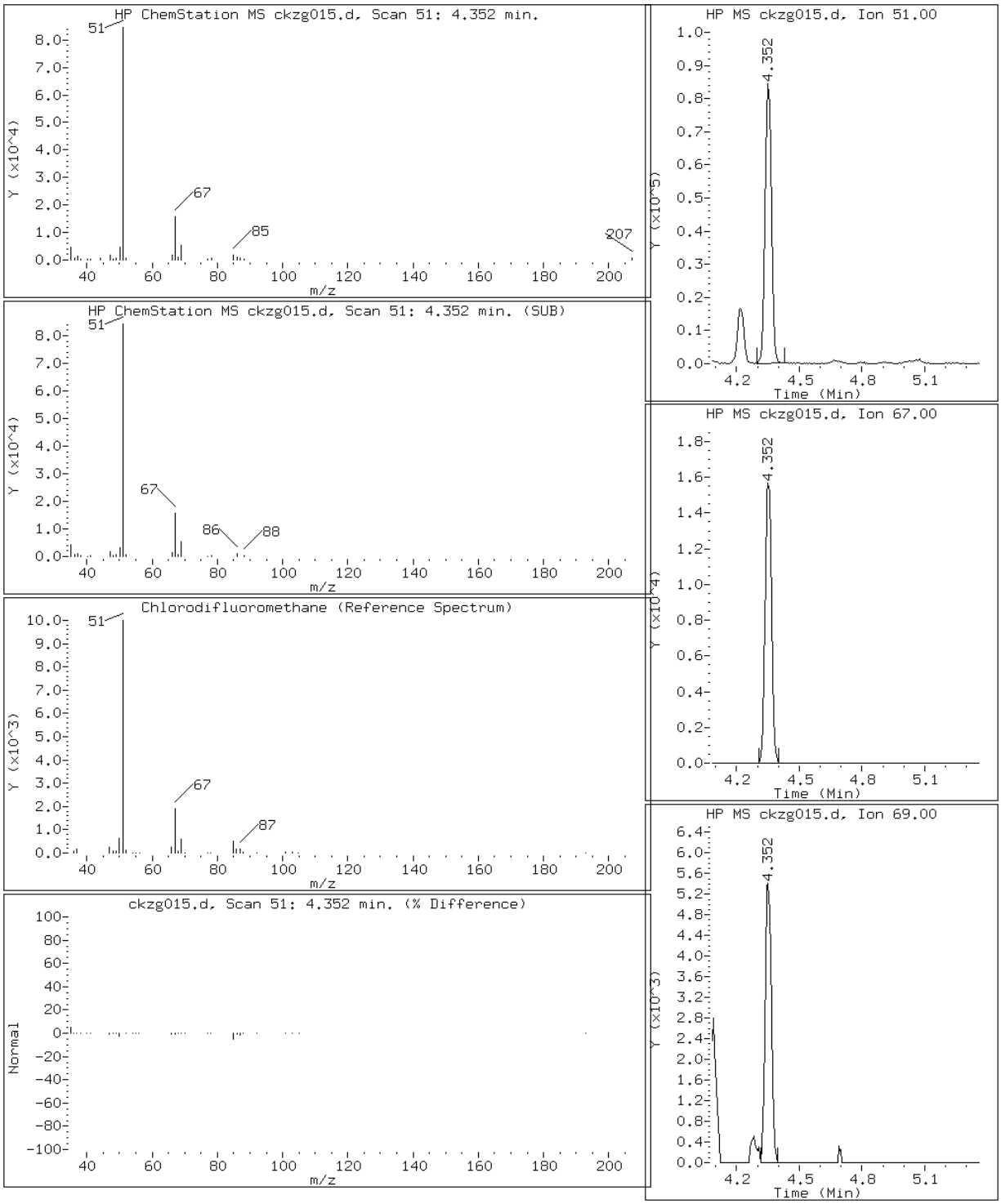
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

3 Chlorodifluoromethane



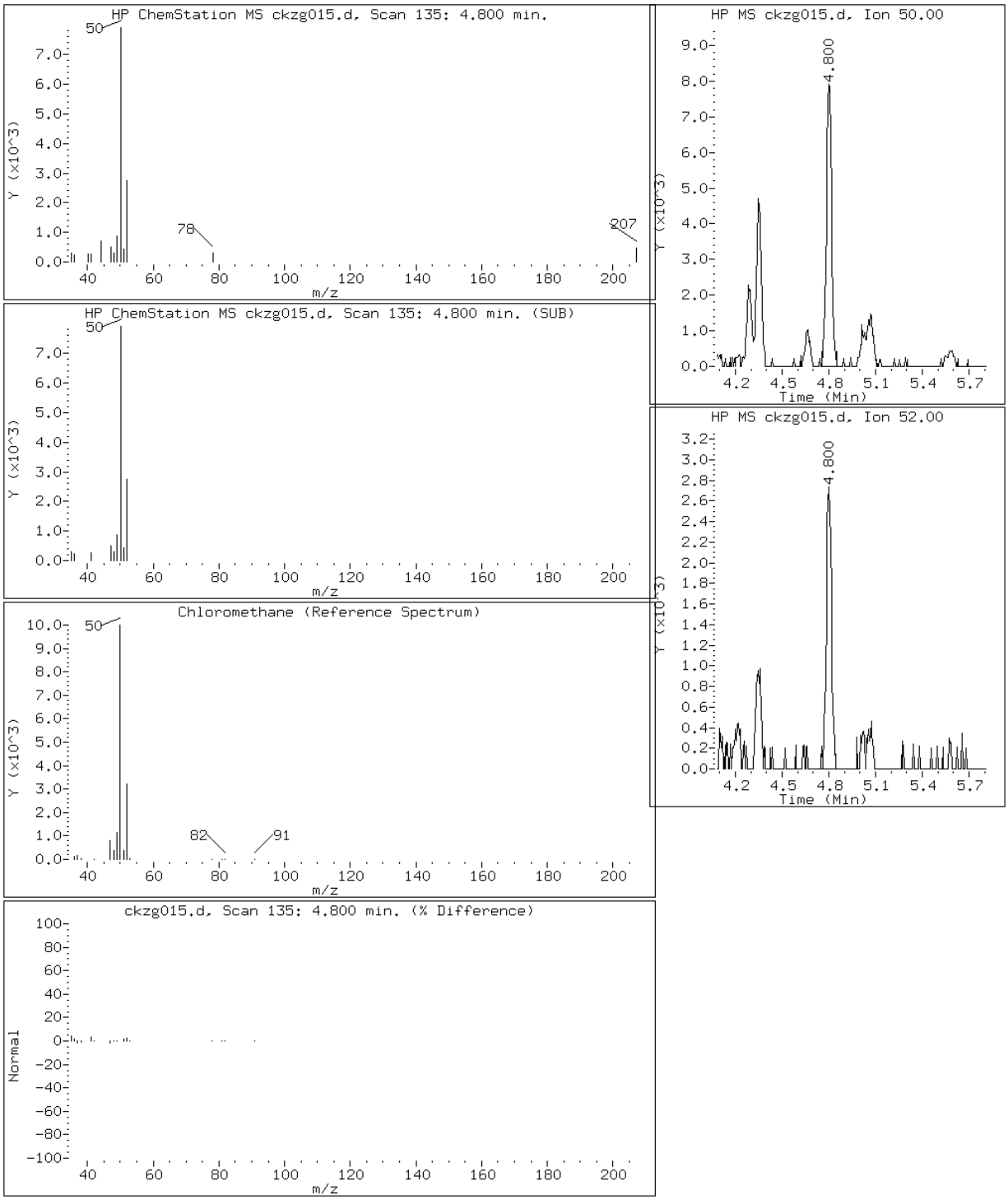
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

5 Chloromethane



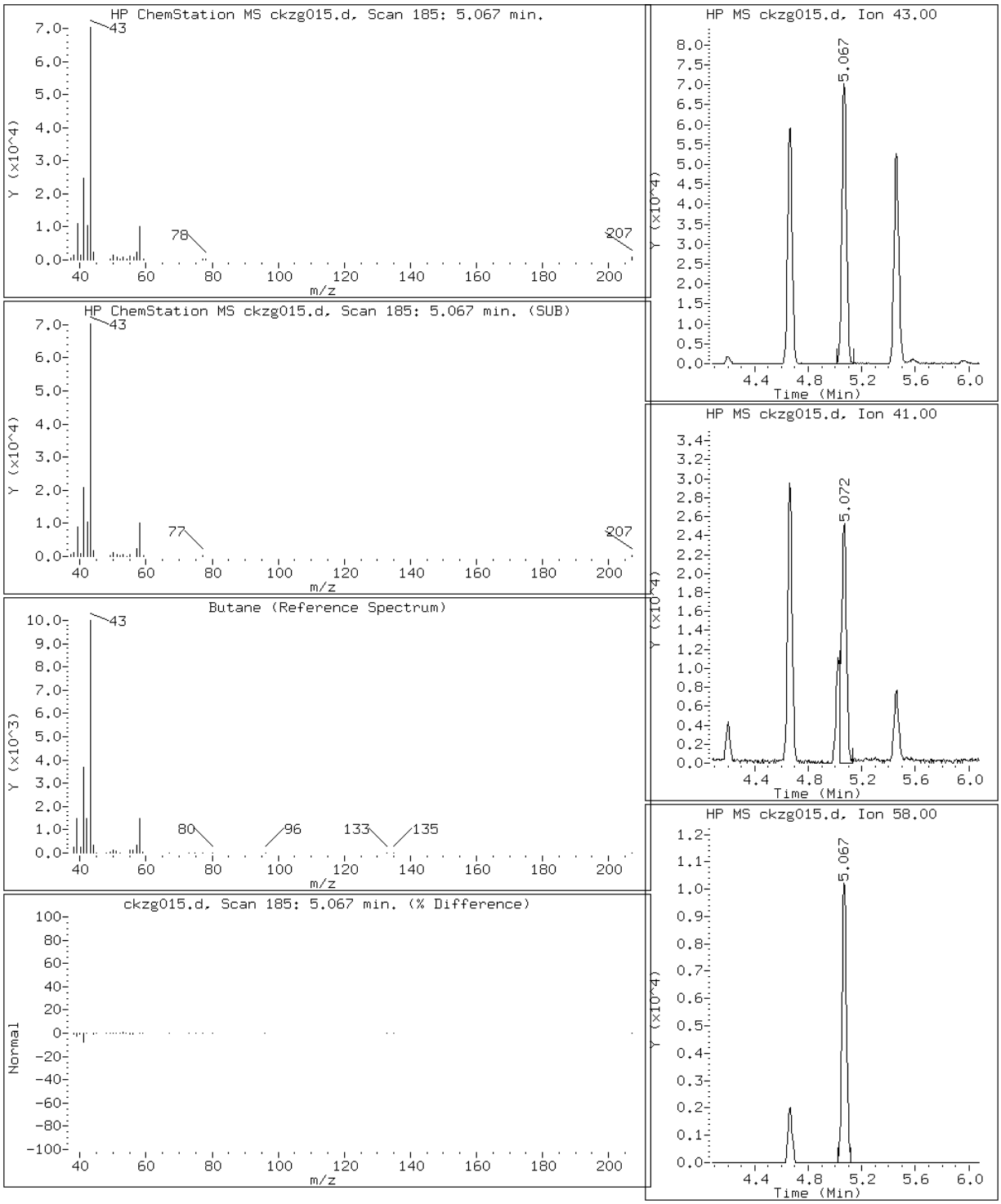
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

6 Butane



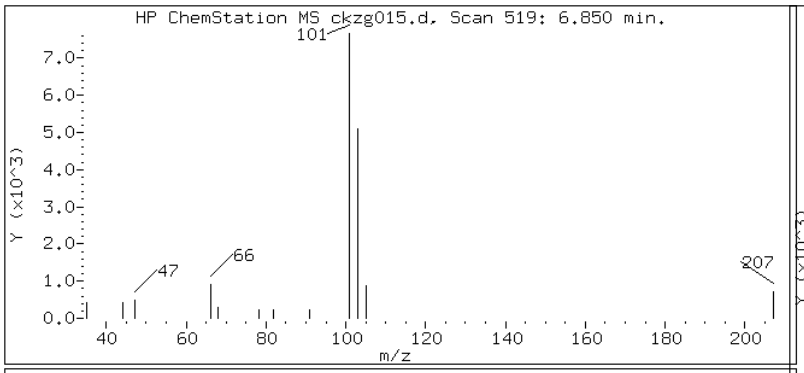
Data File: ckzg015.d

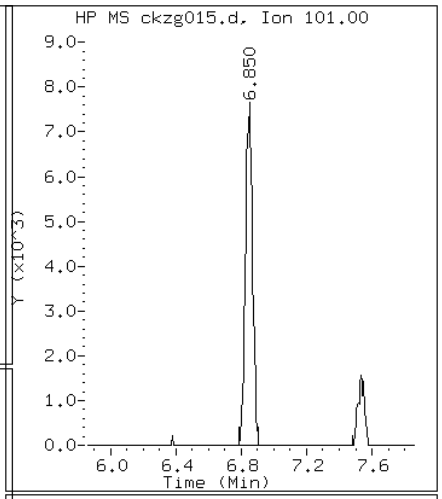
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

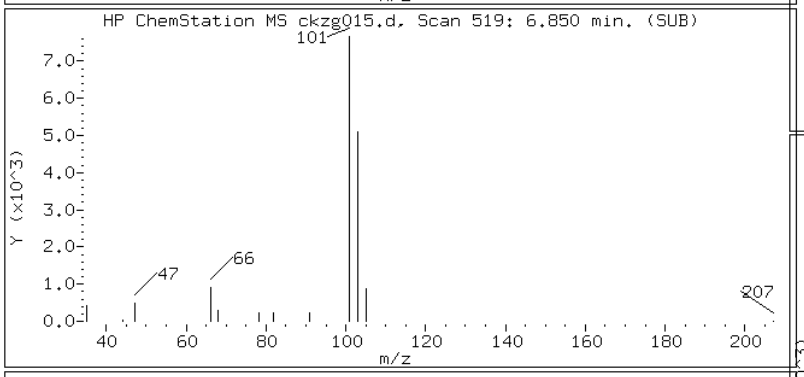
Client ID: 776IA1GA Instrument: C.i

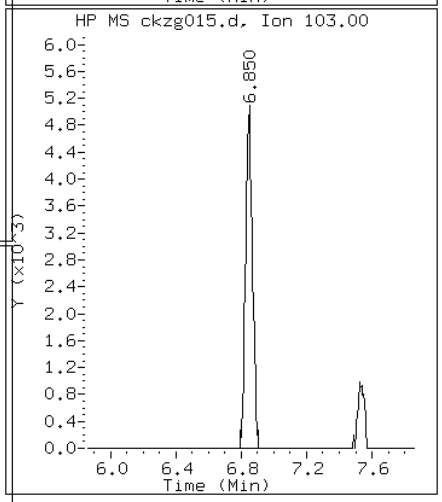
Sample Info: 280-32071-A-9 Operator: pad

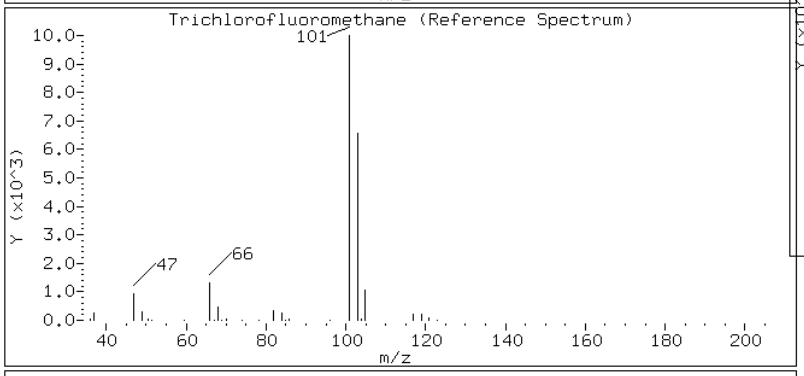
13 Trichlorofluoromethane

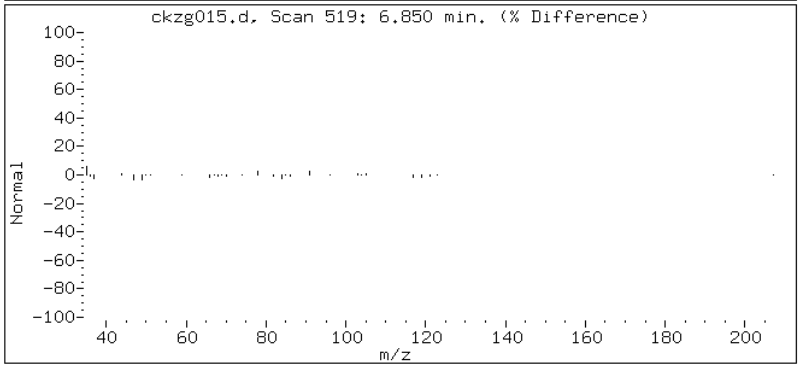












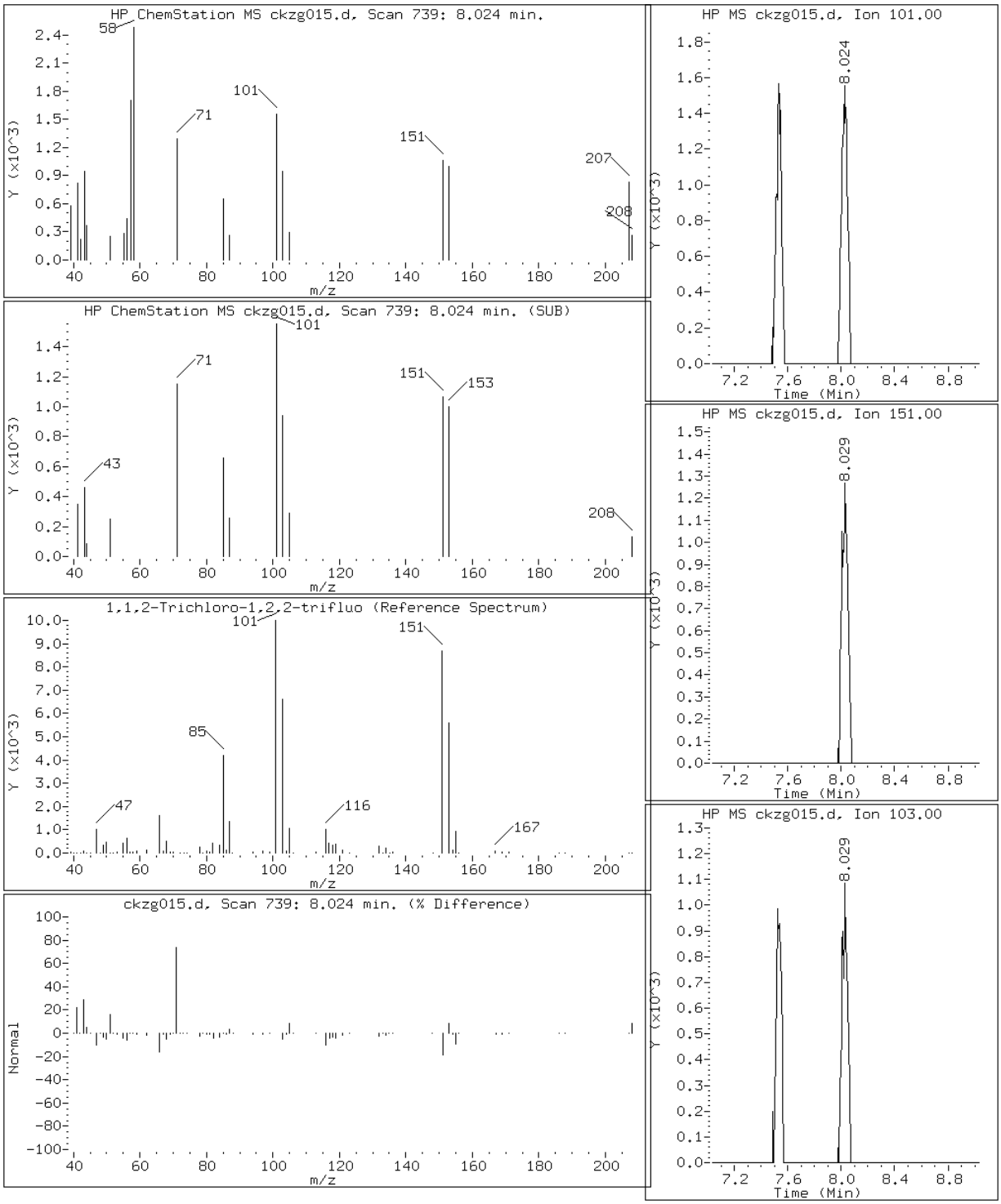
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



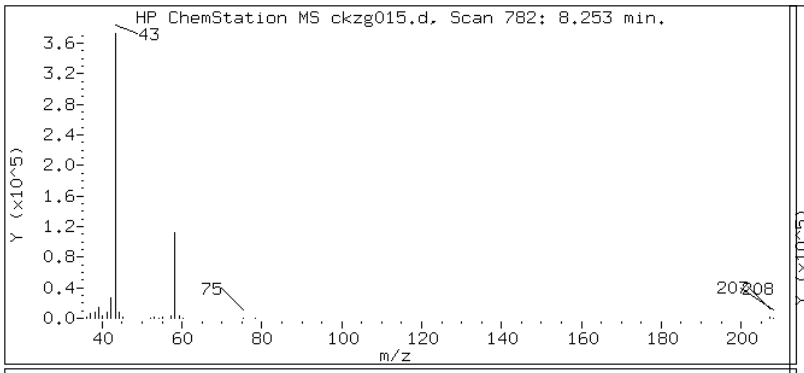
Data File: ckzg015.d

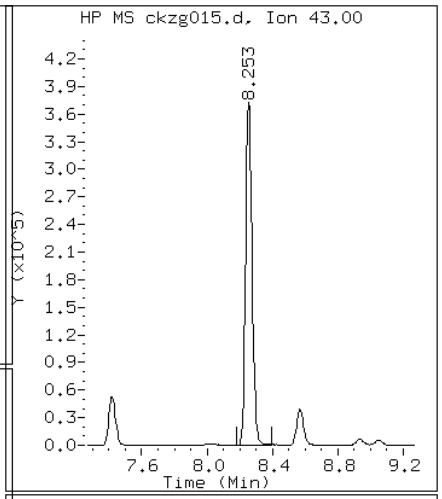
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

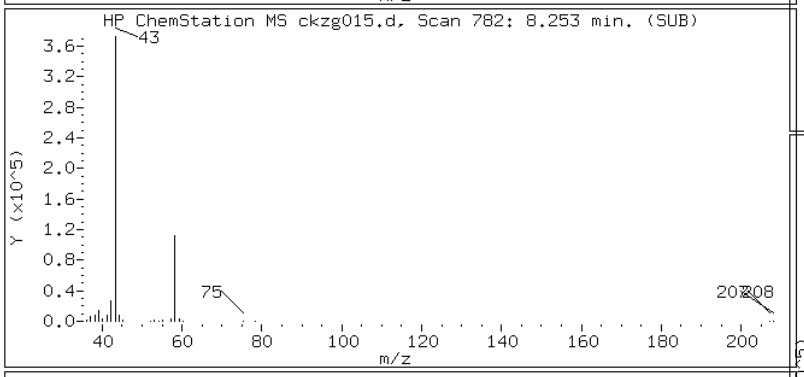
Client ID: 776IA1GA Instrument: C.i

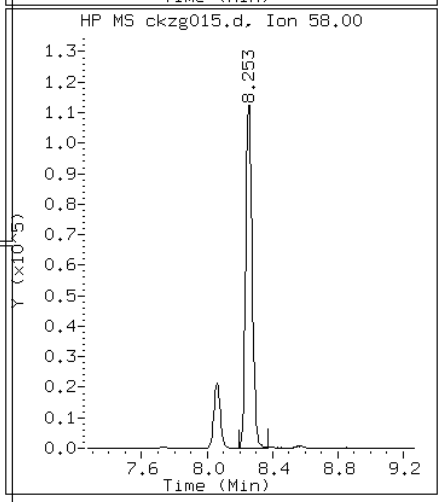
Sample Info: 280-32071-A-9 Operator: pad

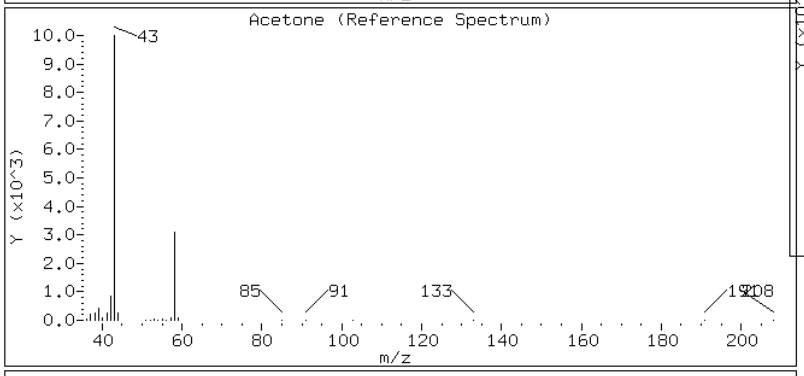
20 Acetone

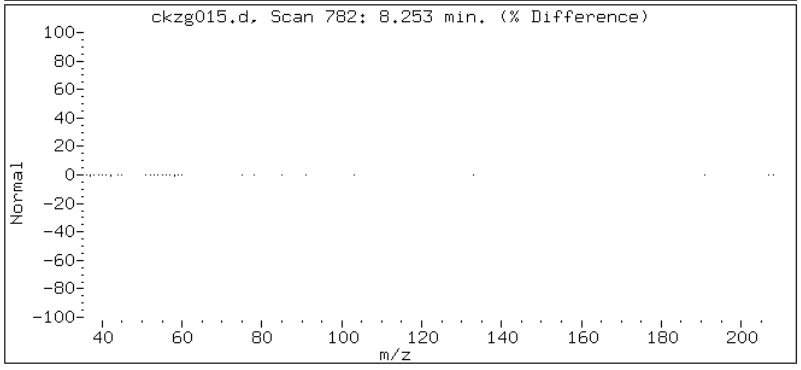












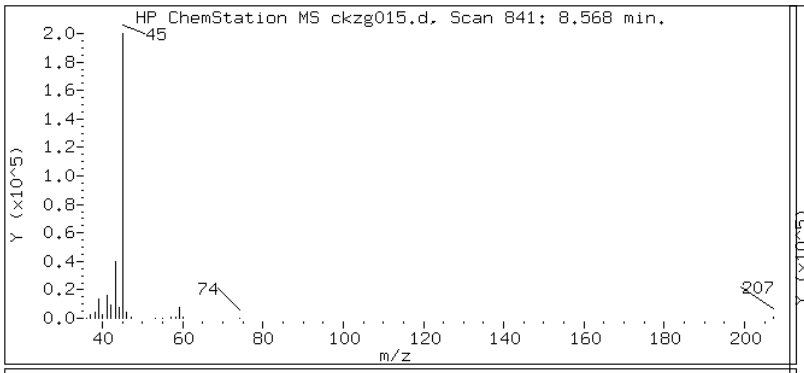
Data File: ckzg015.d

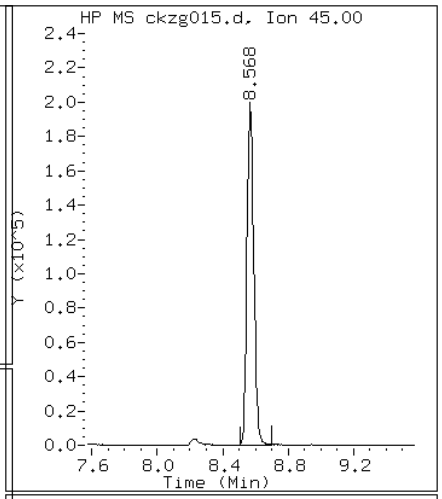
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

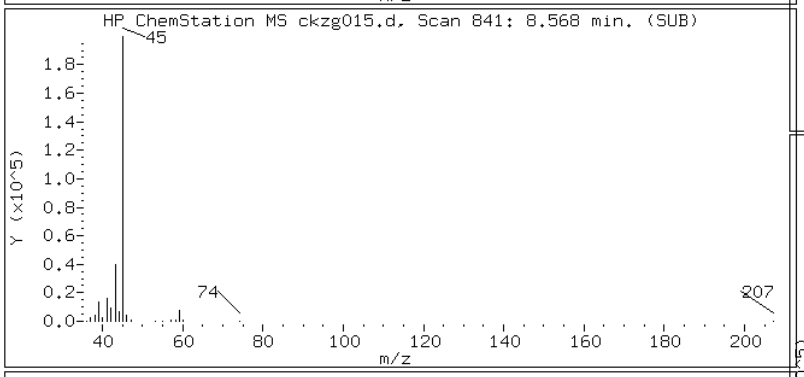
Client ID: 776IA1GA Instrument: C.i

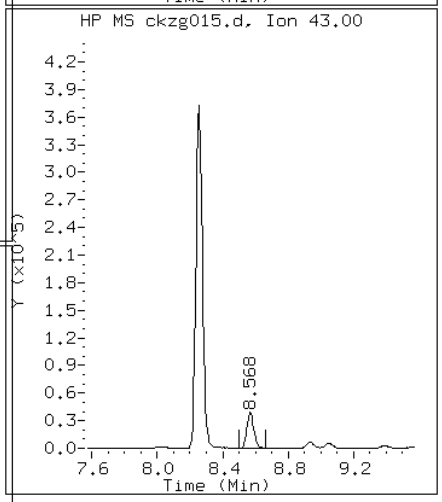
Sample Info: 280-32071-A-9 Operator: pad

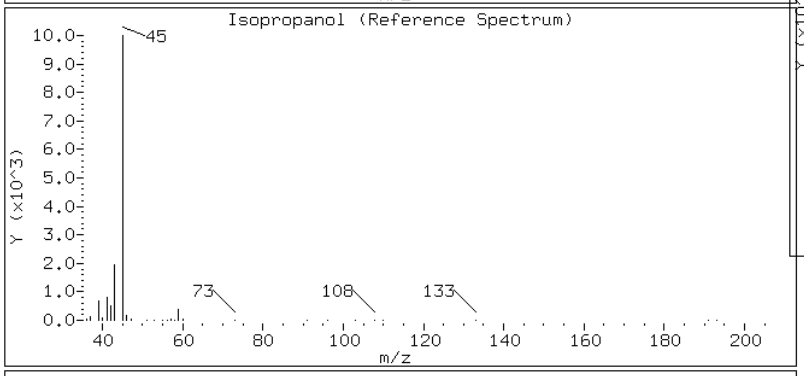
22 Isopropanol

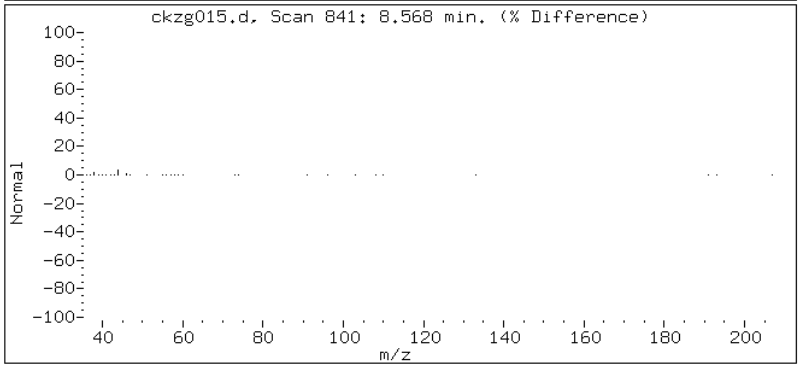












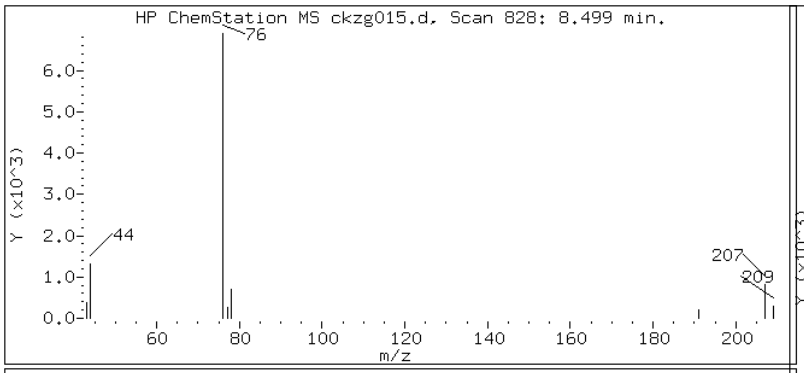
Data File: ckzg015.d

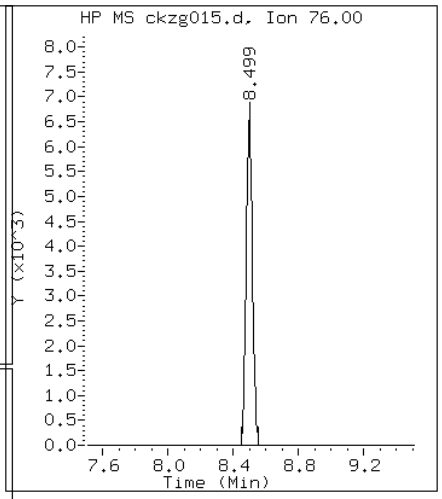
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

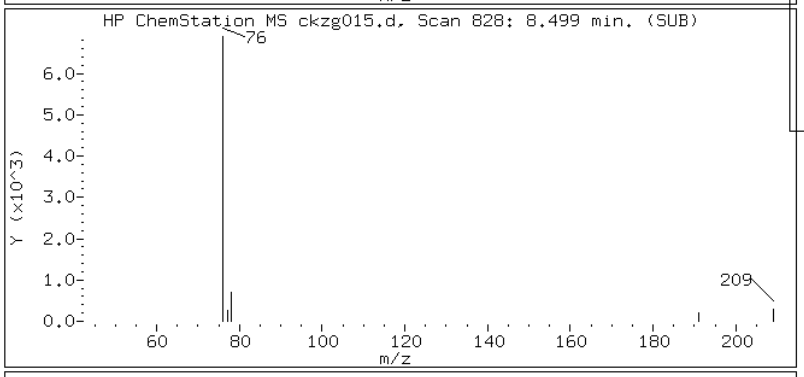
Client ID: 776IA1GA Instrument: C.i

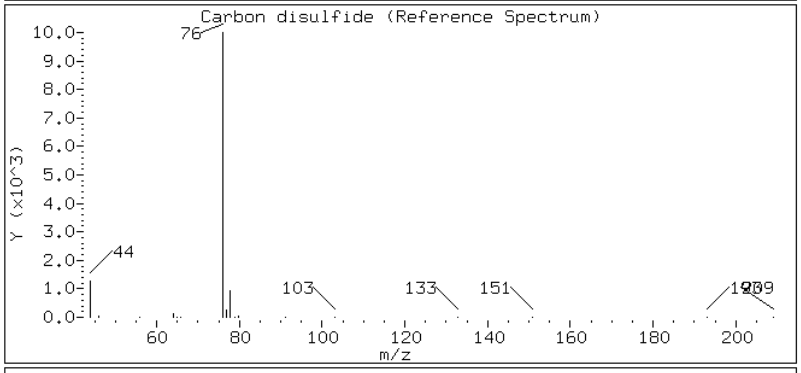
Sample Info: 280-32071-A-9 Operator: pad

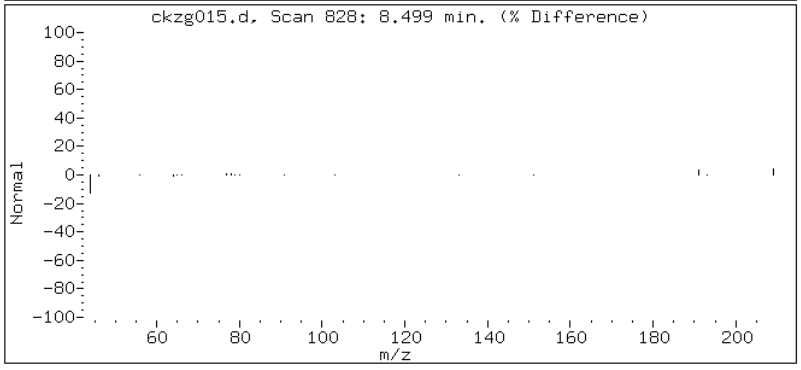
21 Carbon disulfide











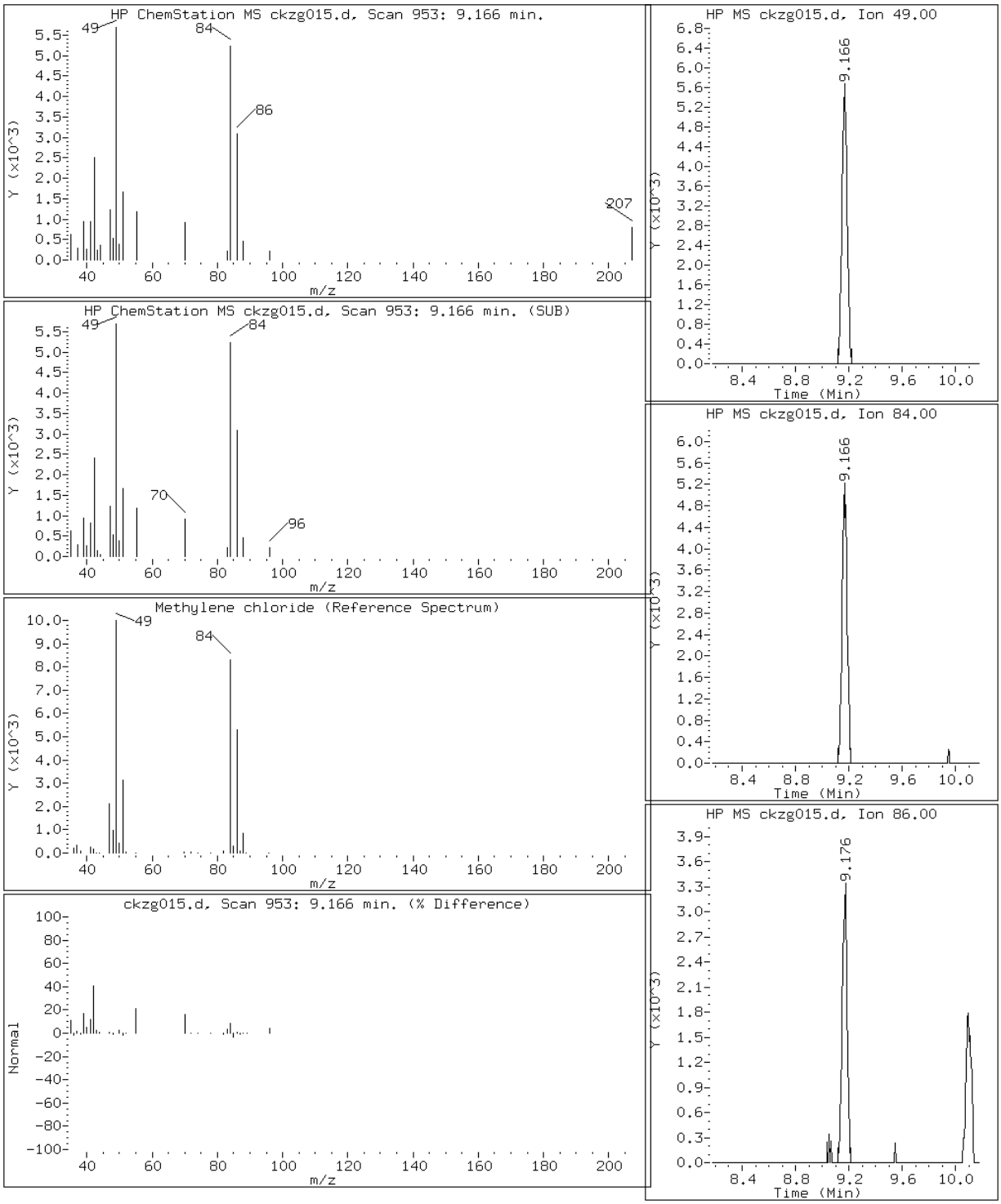
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

25 Methylene chloride



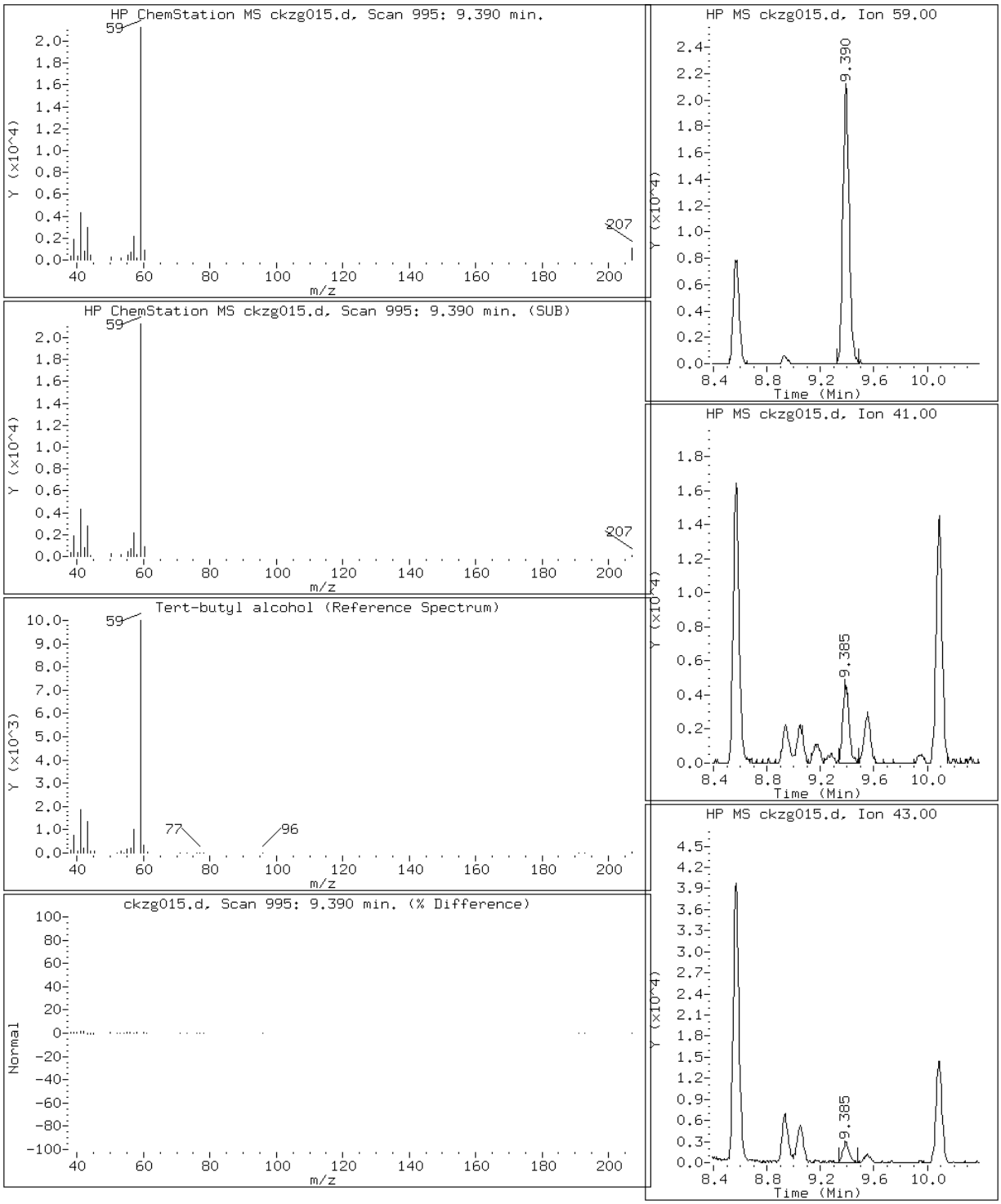
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

26 Tert-butyl alcohol



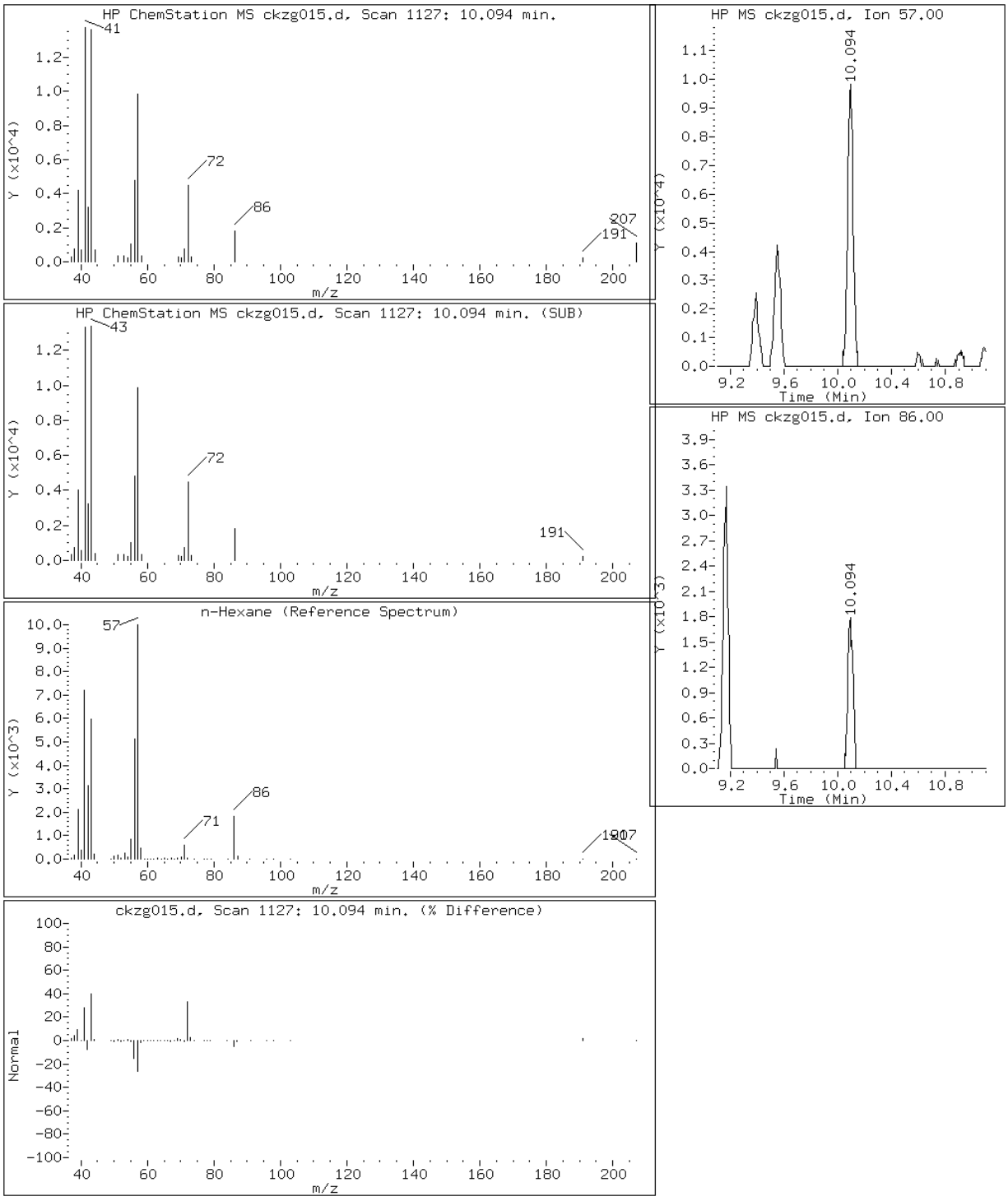
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

30 n-Hexane



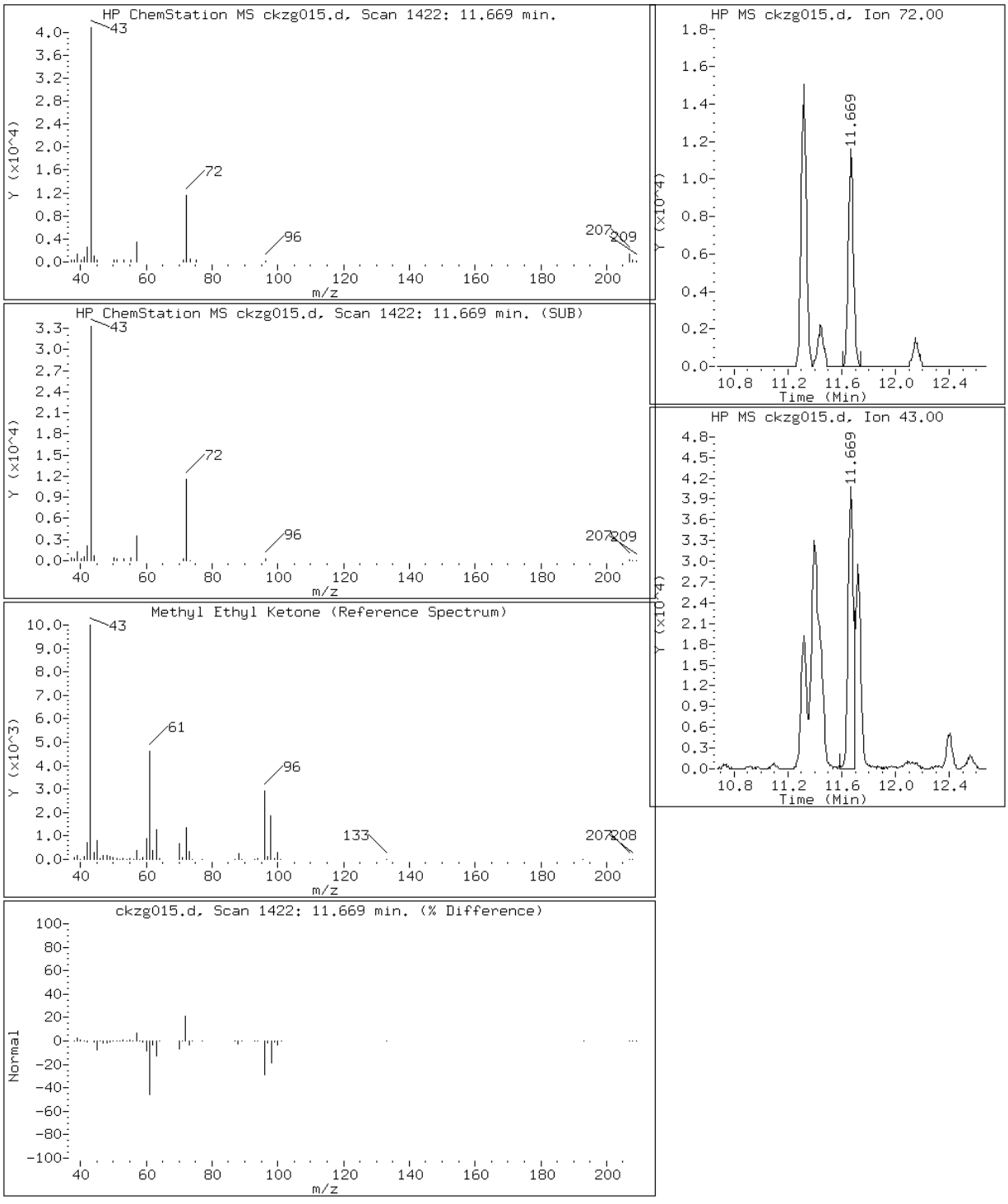
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

36 Methyl Ethyl Ketone



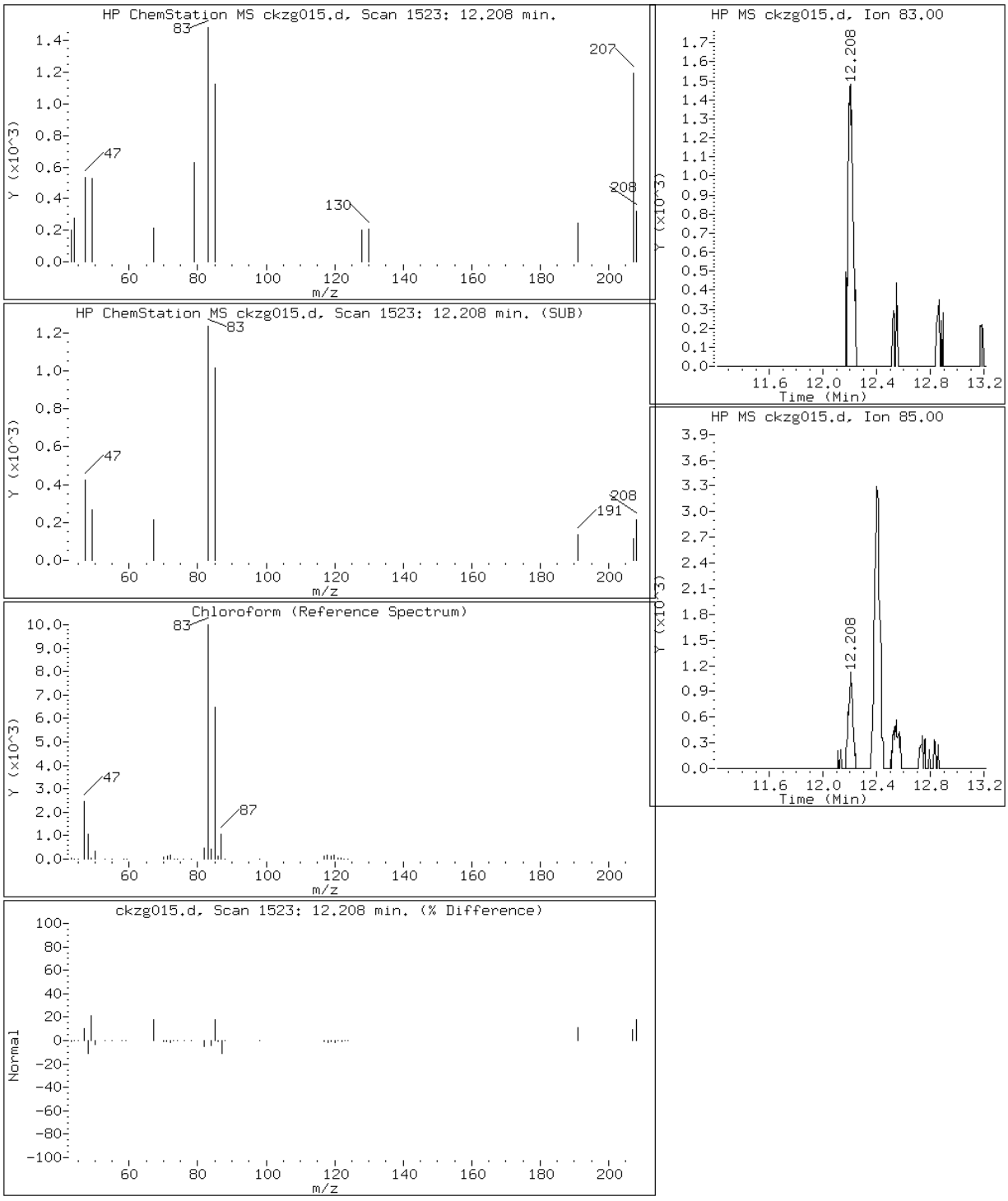
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

39 Chloroform



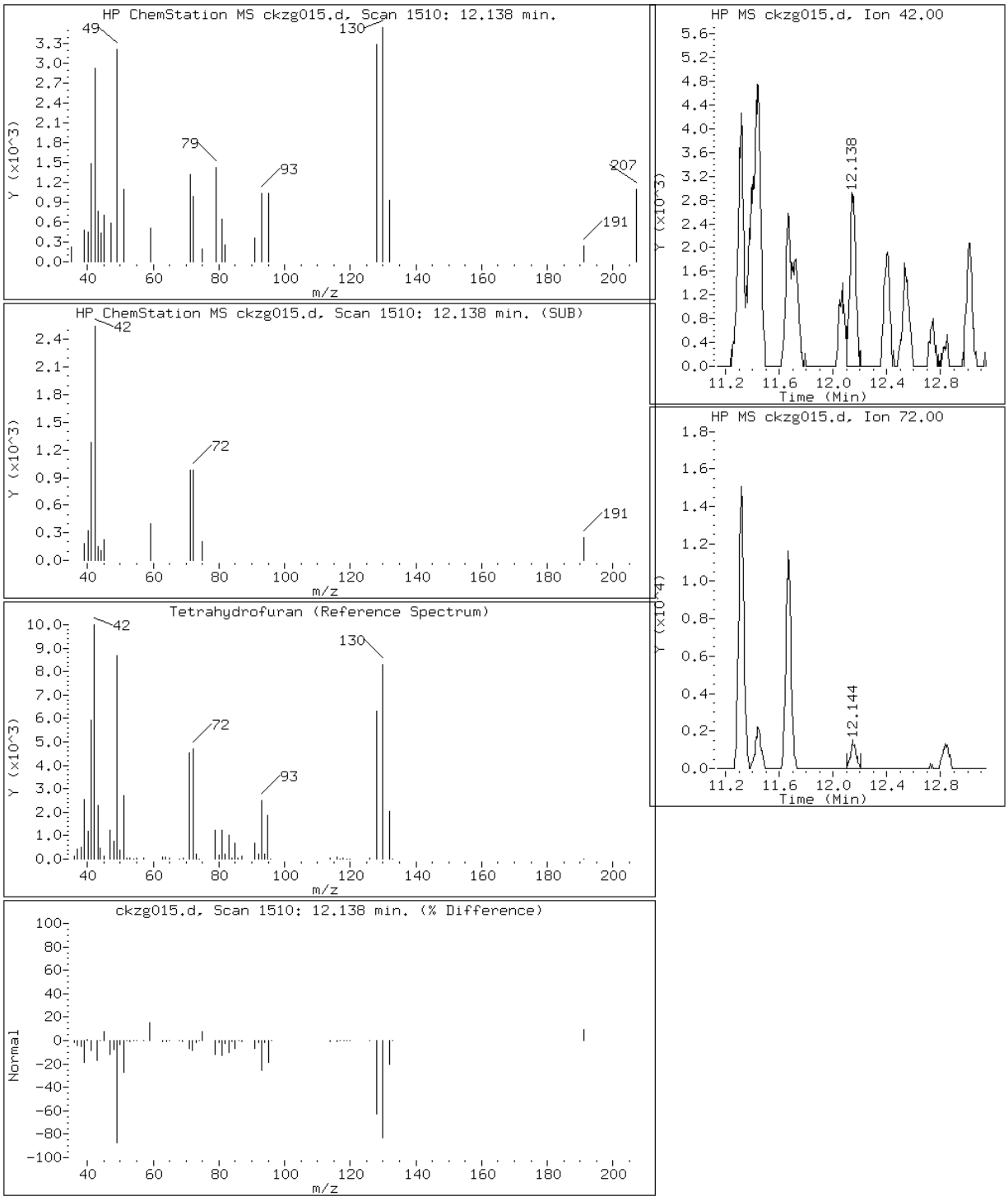
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

38 Tetrahydrofuran



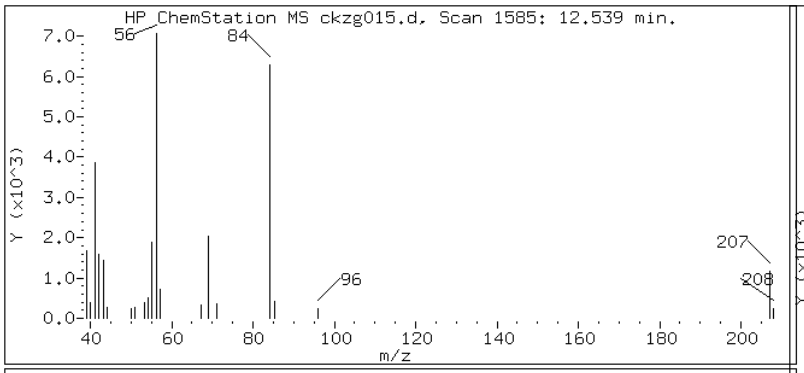
Data File: ckzg015.d

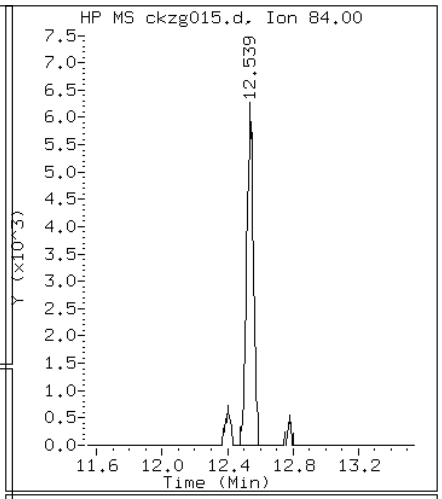
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

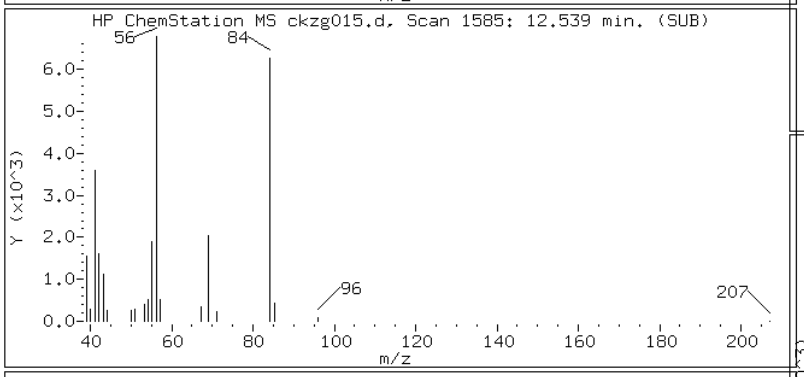
Client ID: 776IA1GA Instrument: C.i

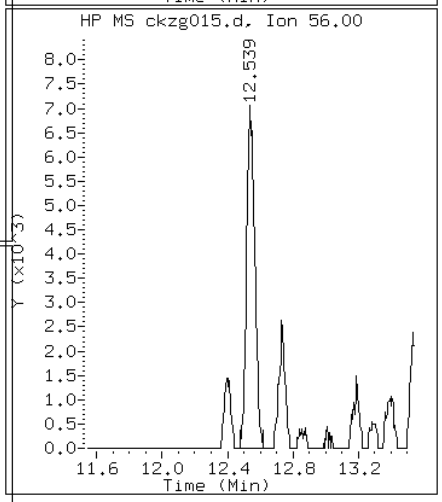
Sample Info: 280-32071-A-9 Operator: pad

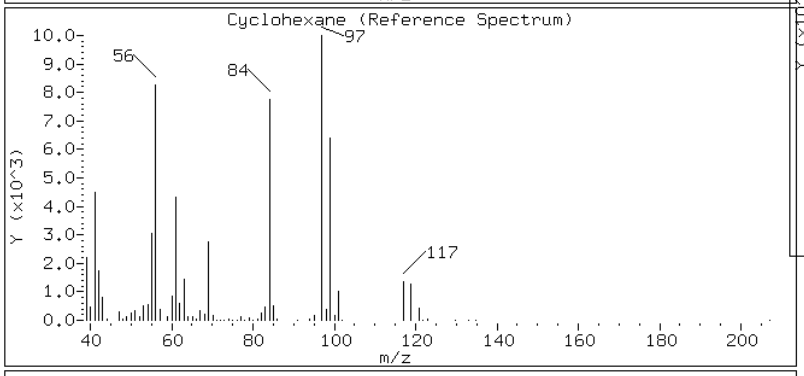
40 Cyclohexane

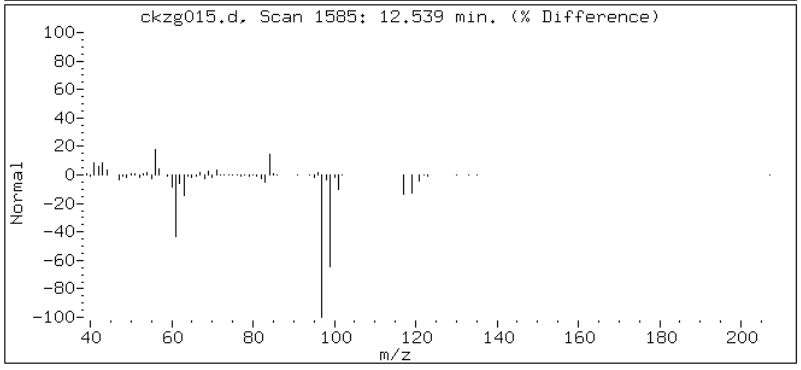












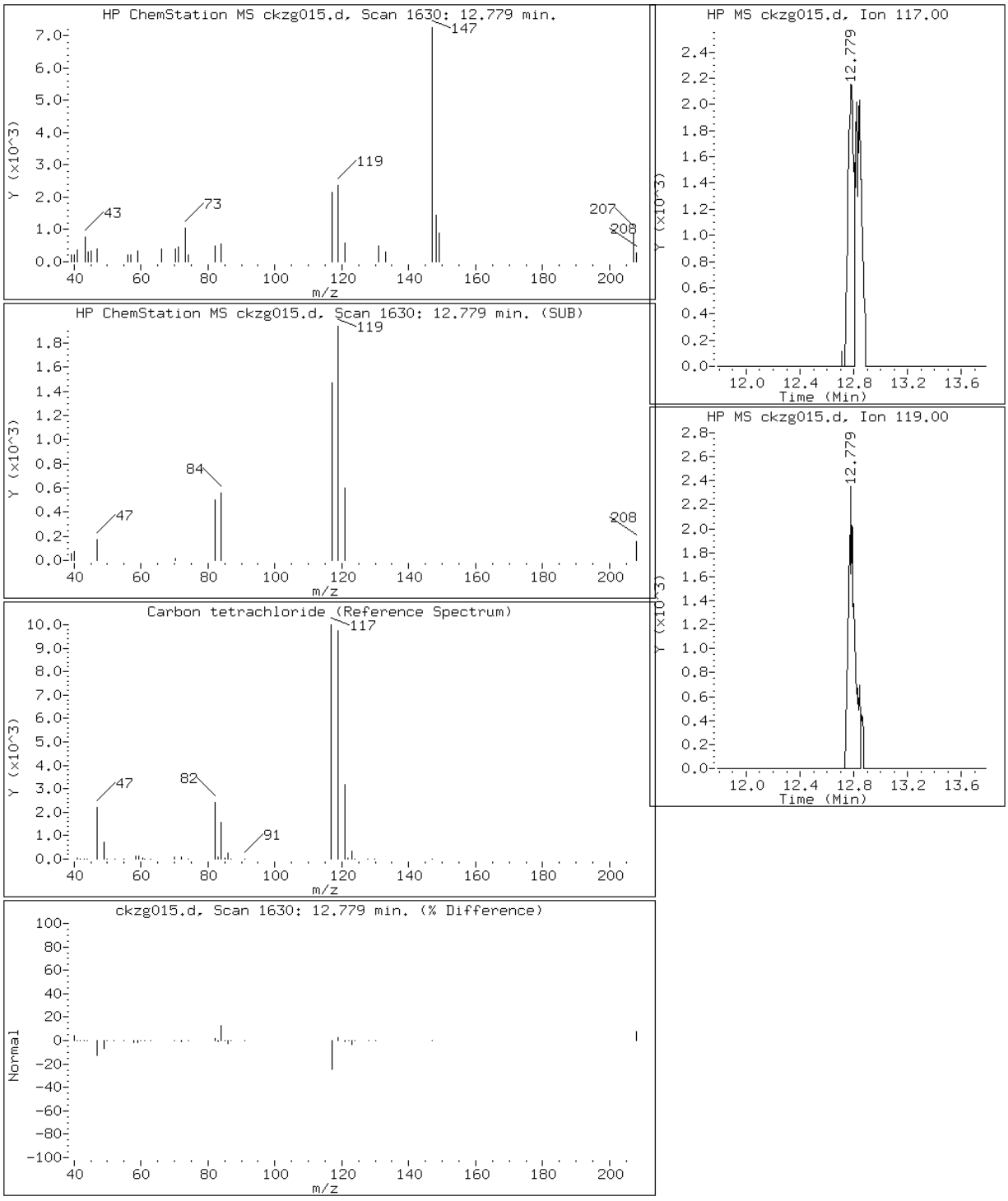
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

42 Carbon tetrachloride



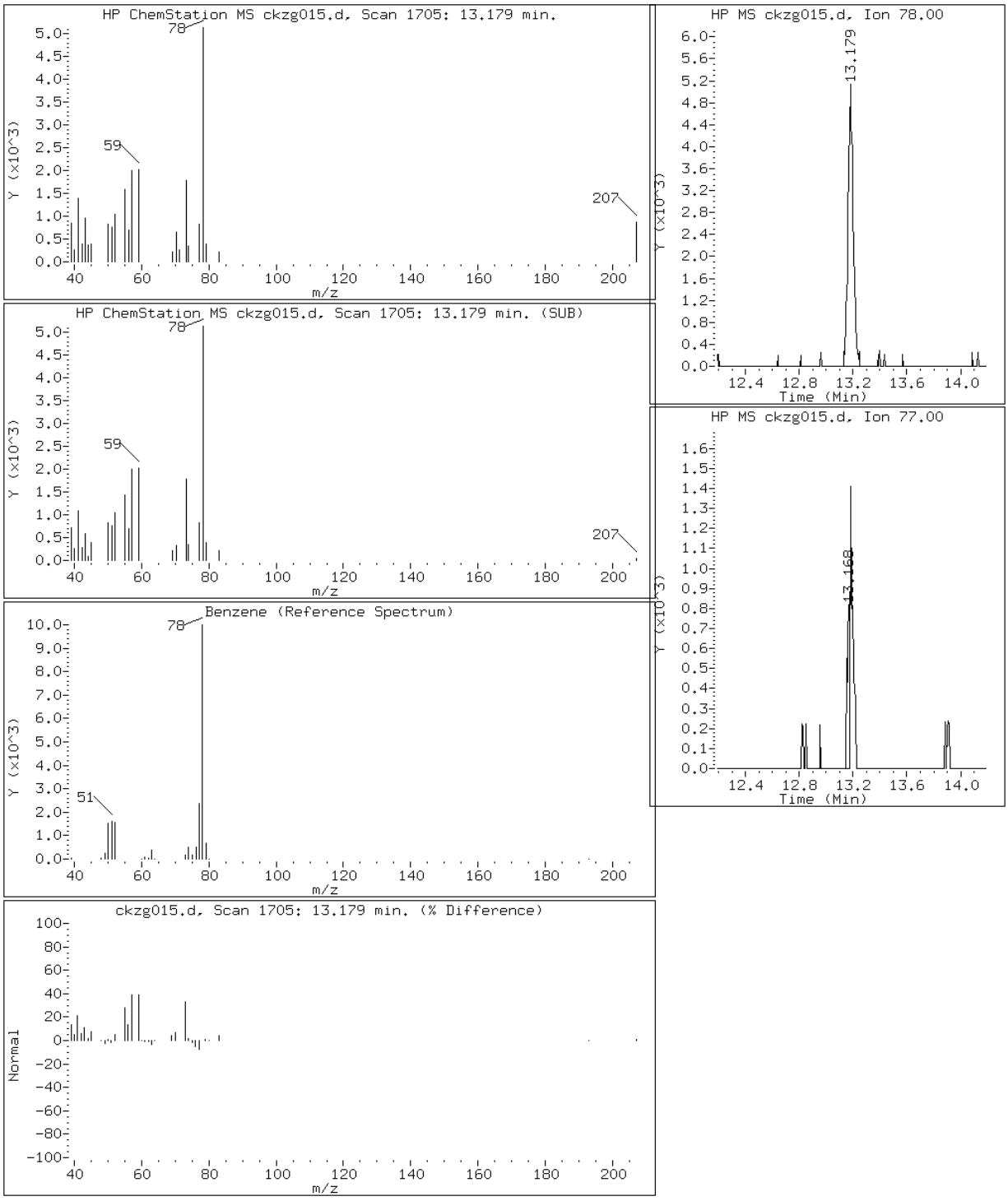
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

44 Benzene



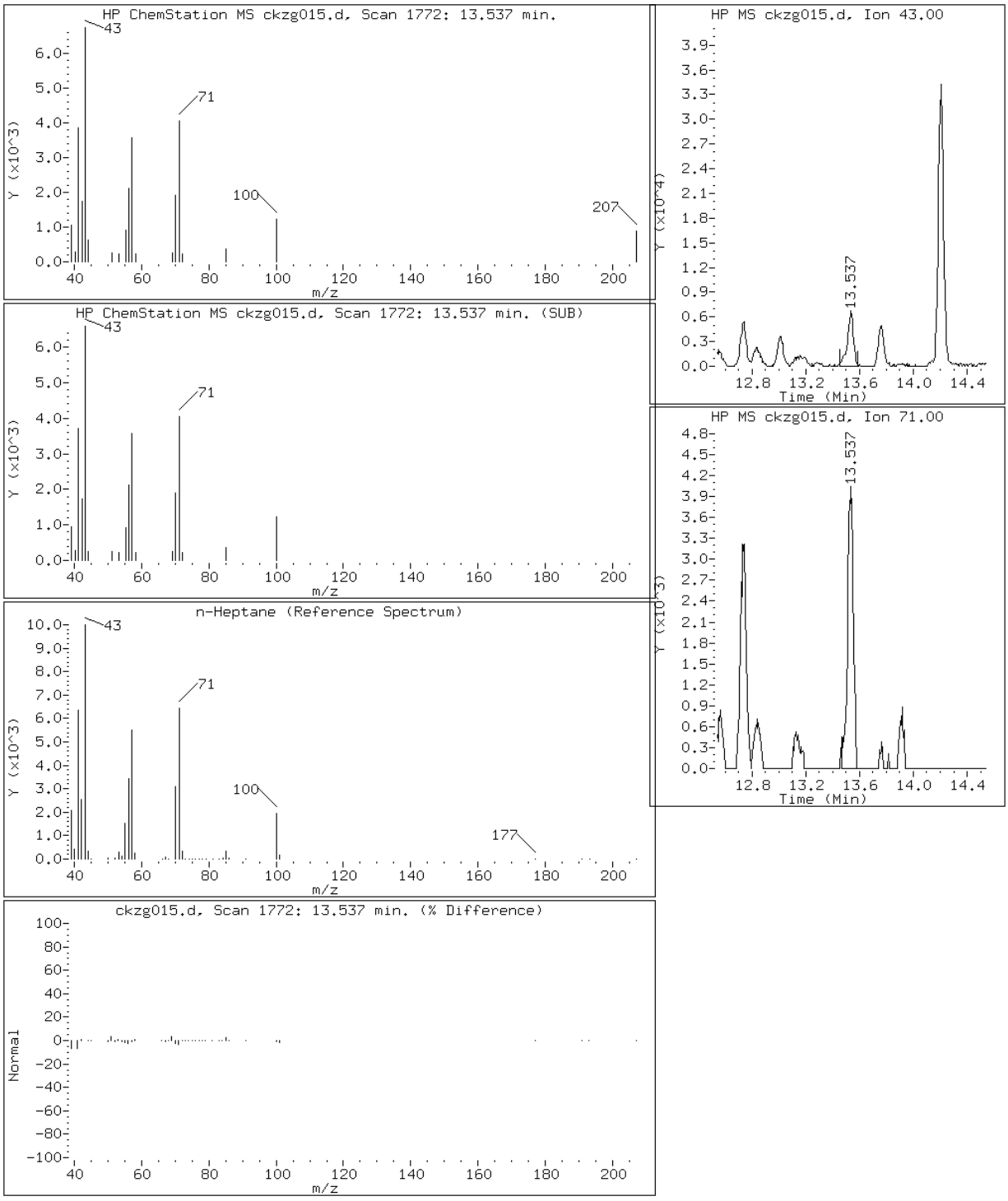
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

46 n-Heptane



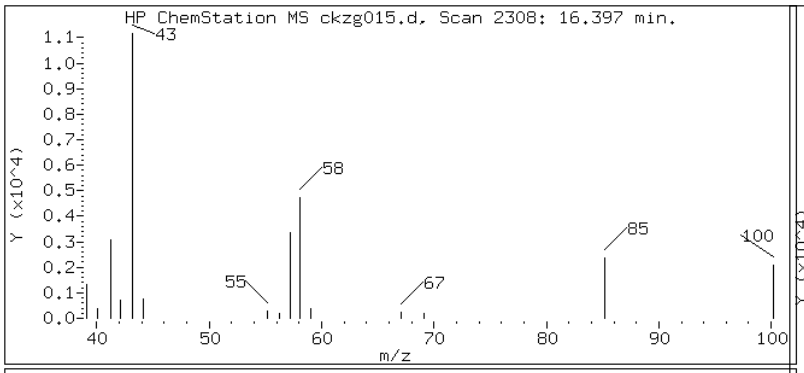
Data File: ckzg015.d

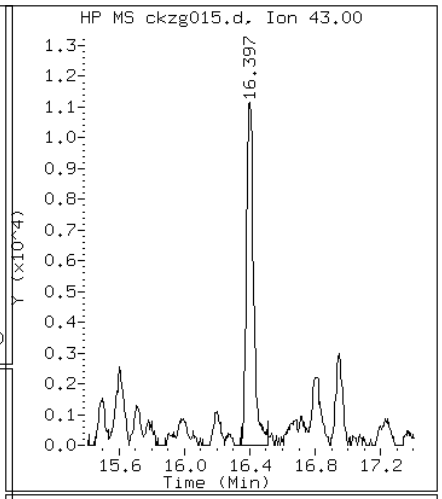
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

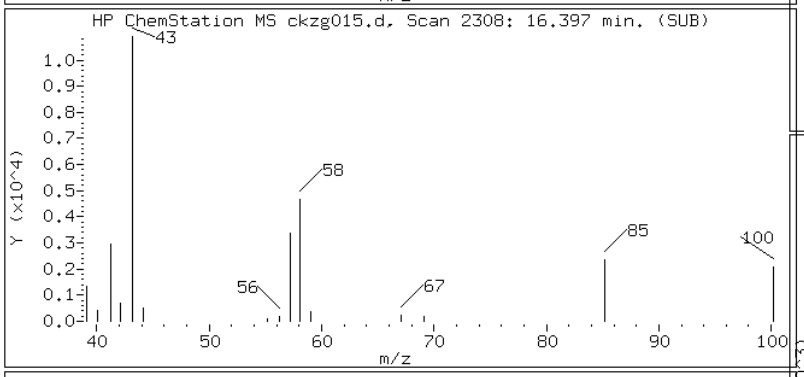
Client ID: 776IA1GA Instrument: C.i

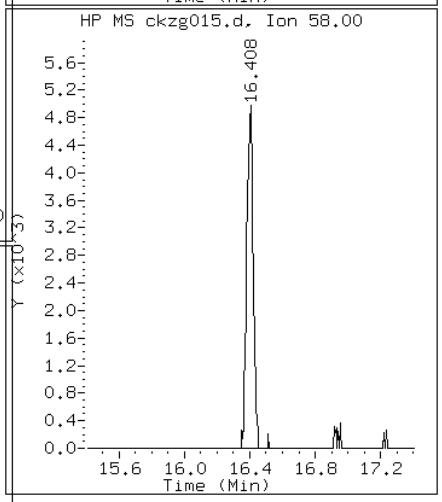
Sample Info: 280-32071-A-9 Operator: pad

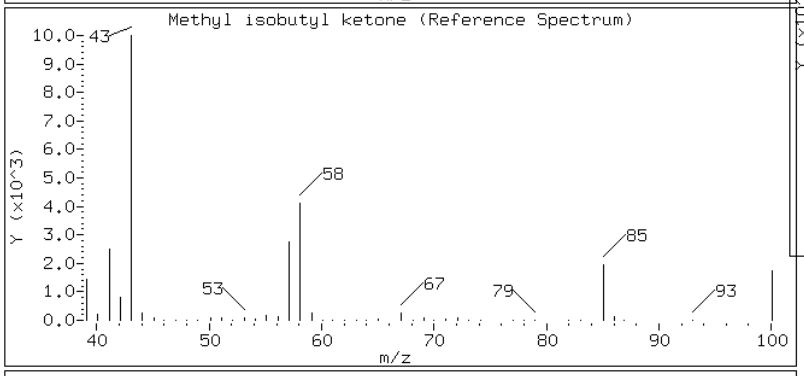
56 Methyl isobutyl ketone

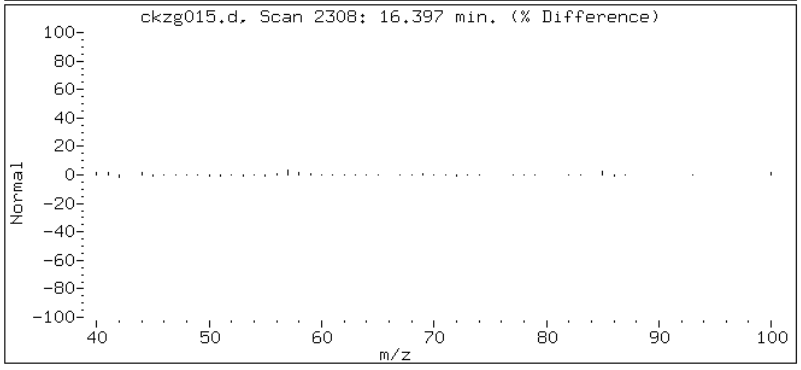












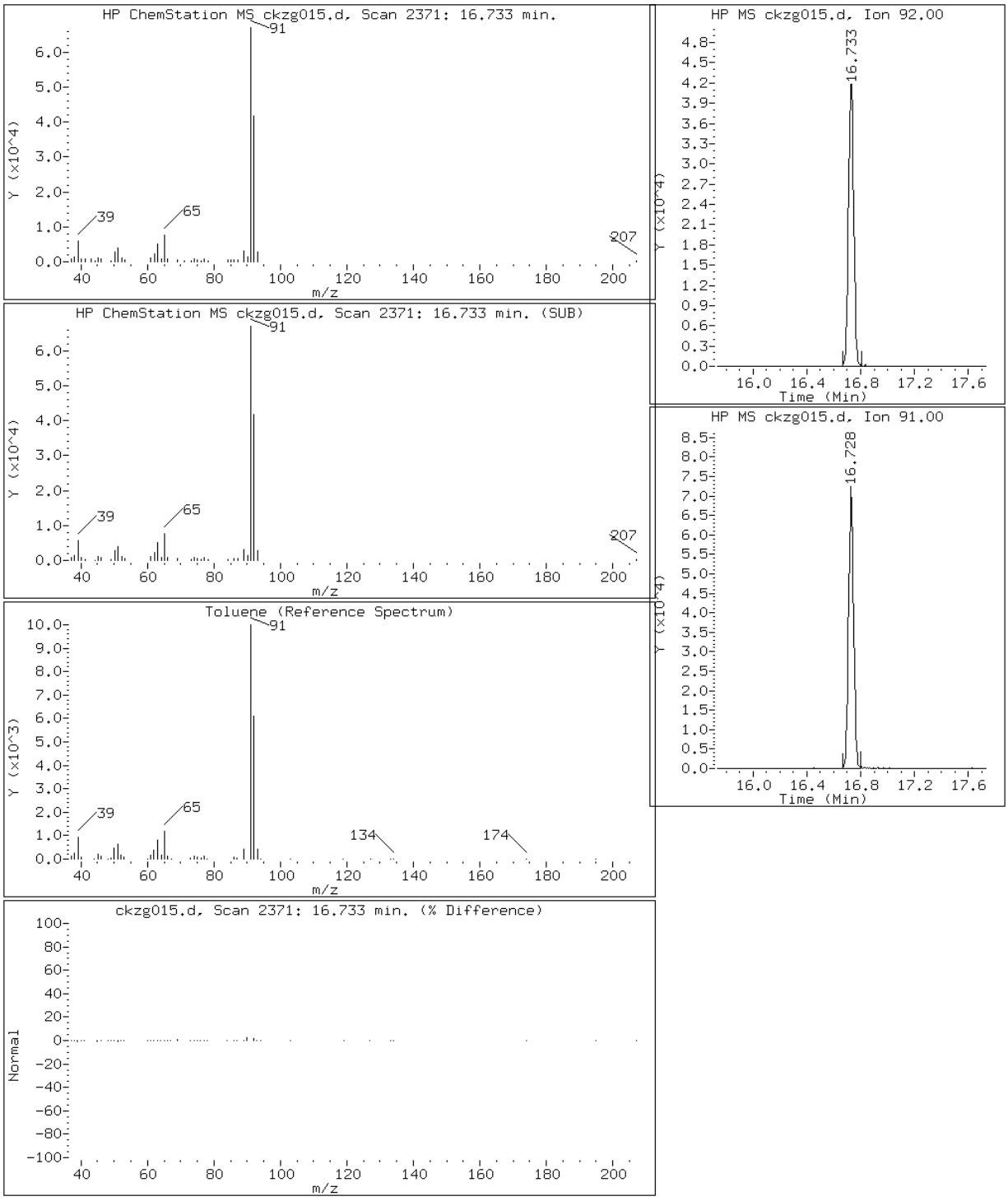
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

58 Toluene



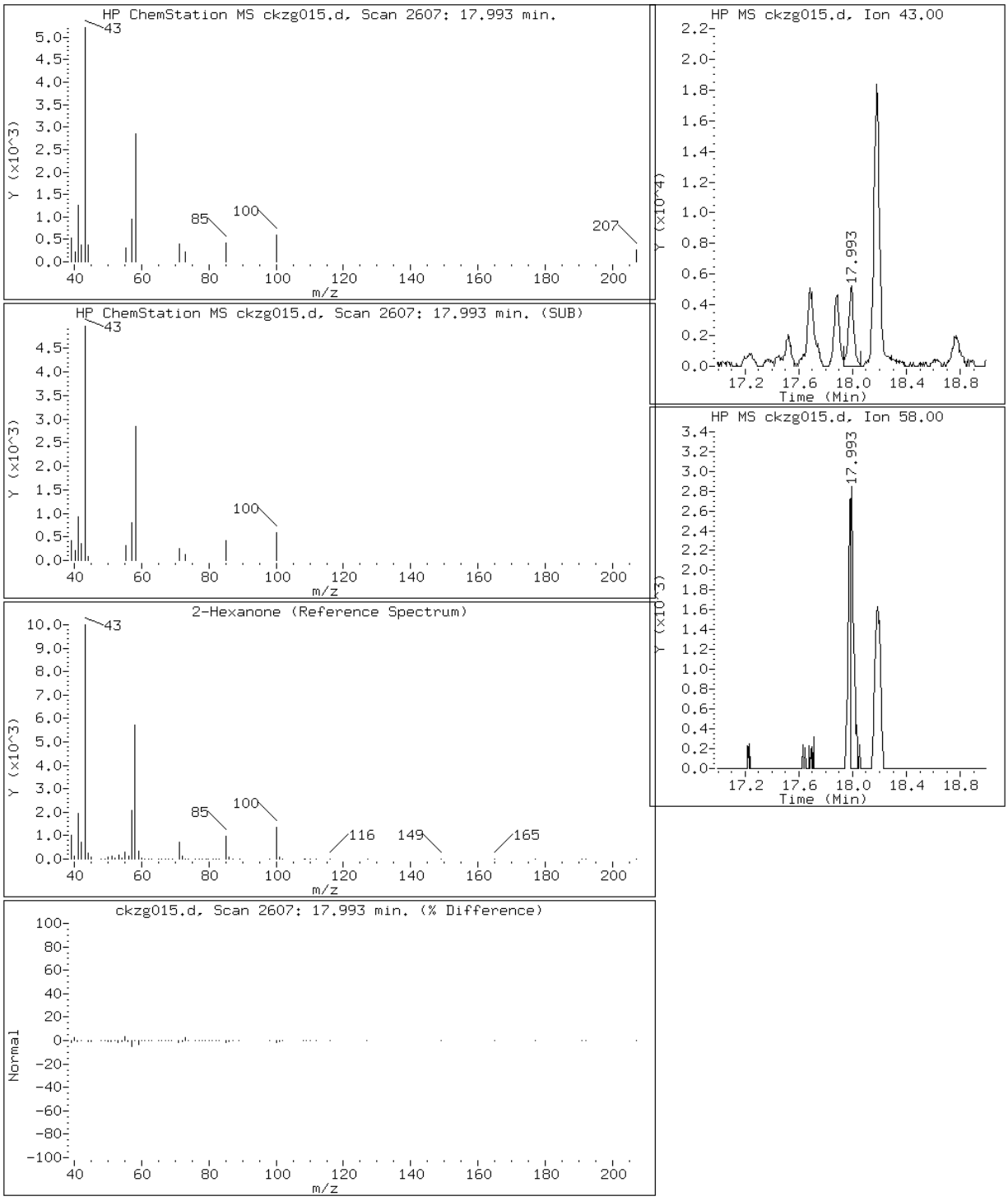
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

62 2-Hexanone



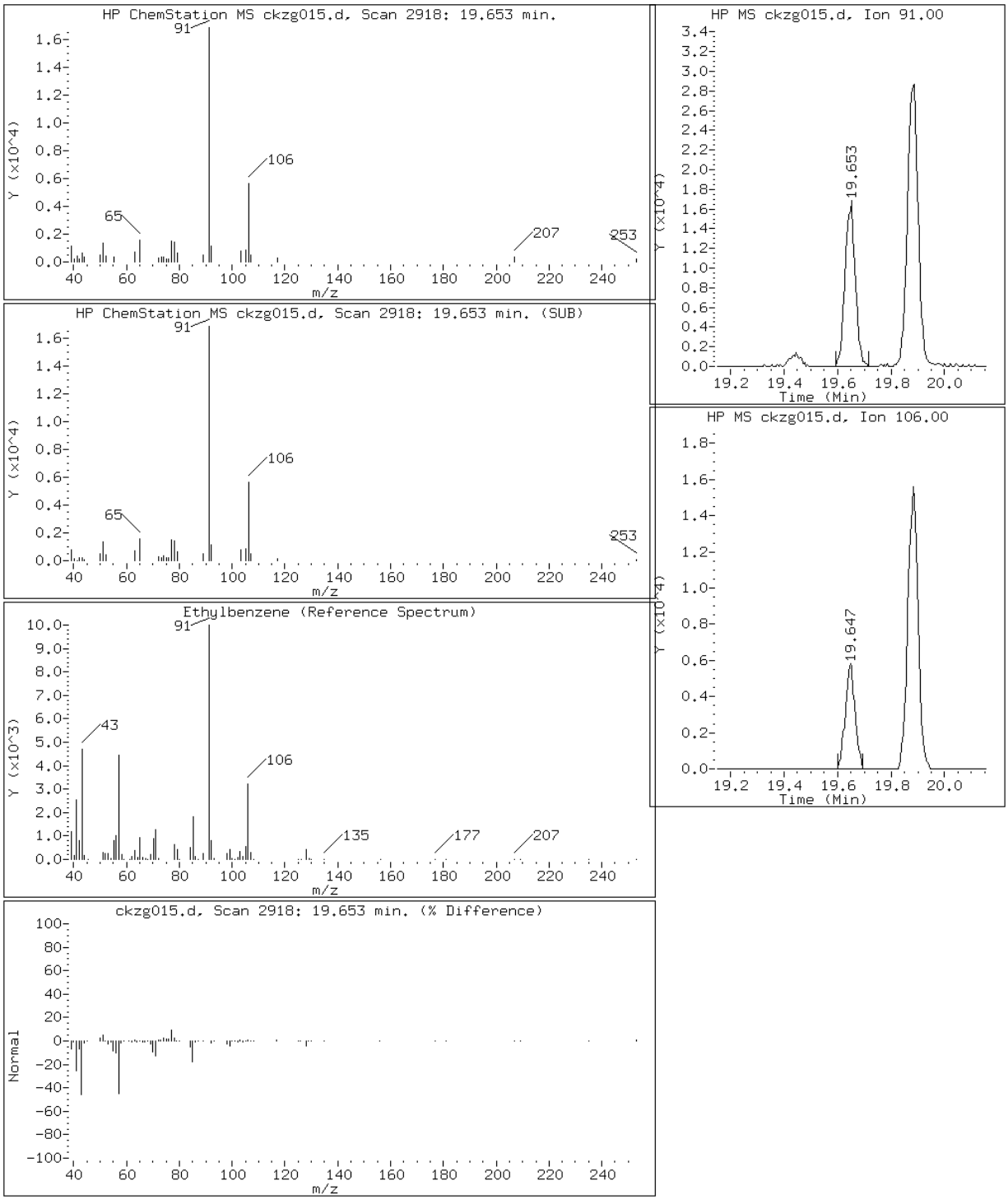
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

68 Ethylbenzene



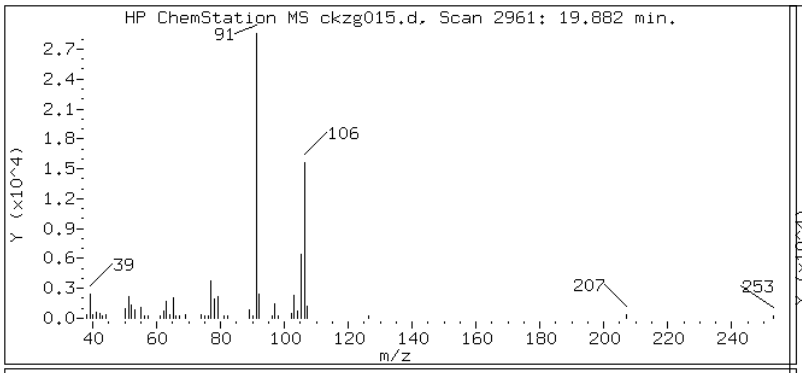
Data File: ckzg015.d

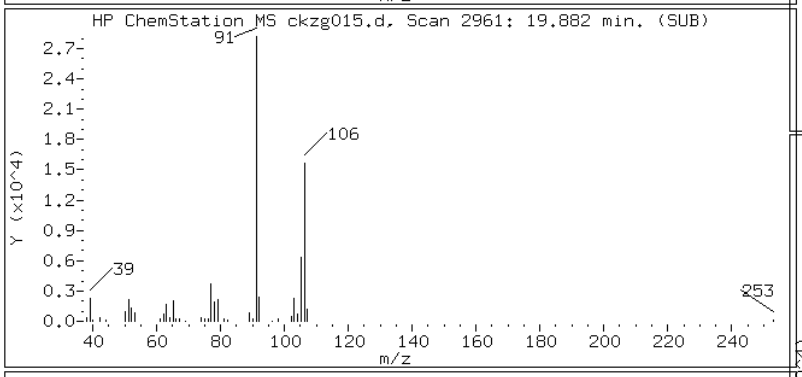
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

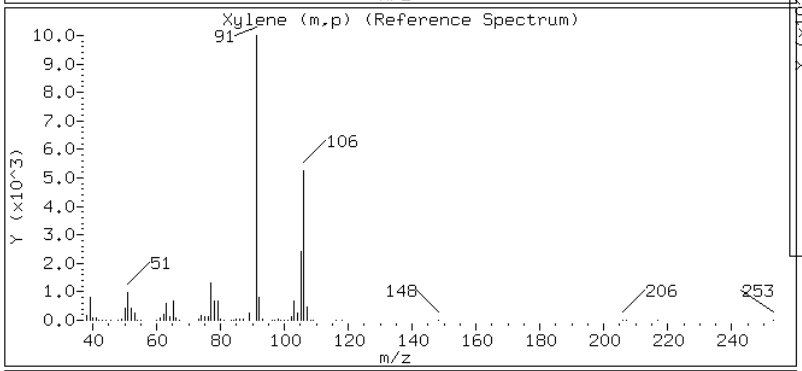
Client ID: 776IA1GA Instrument: C.i

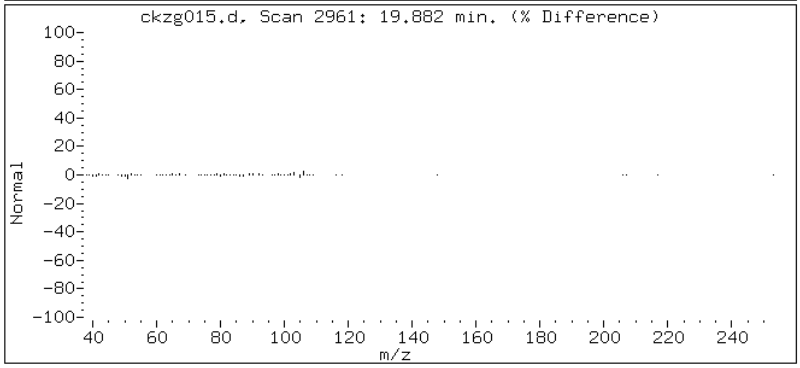
Sample Info: 280-32071-A-9 Operator: pad

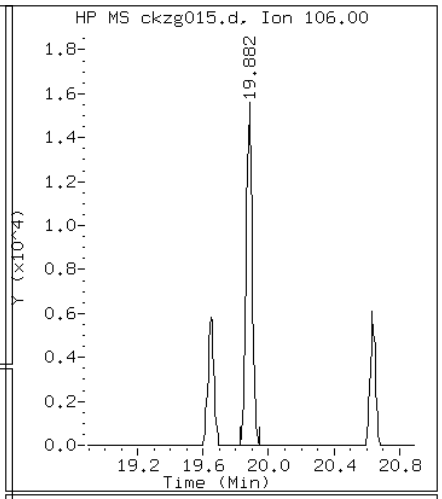
69 Xylene (m,p)

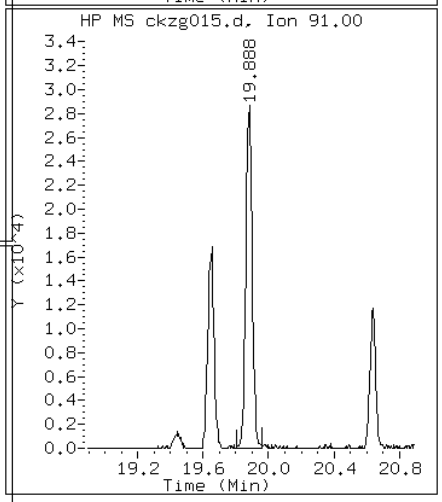












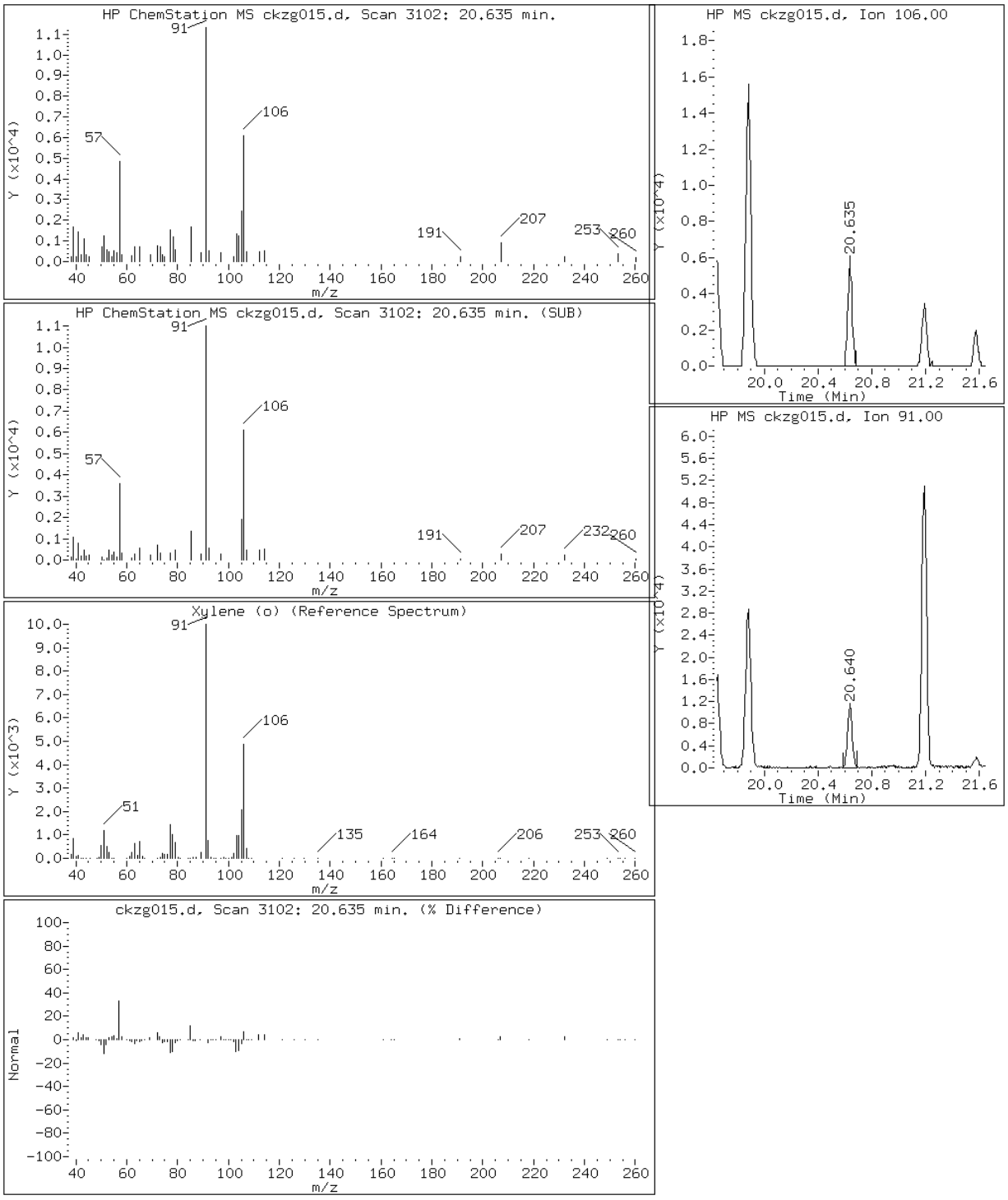
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

71 Xylene (o)



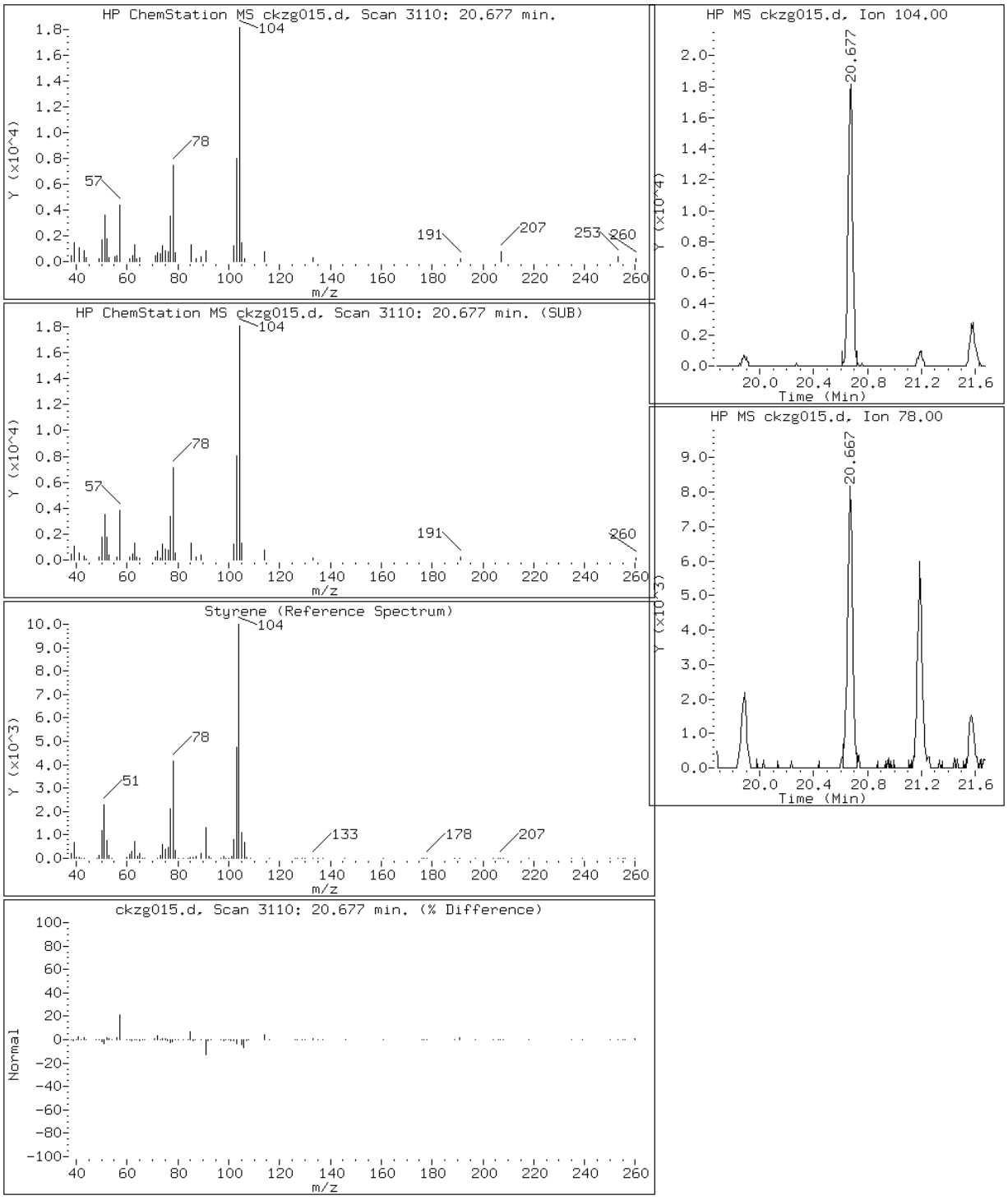
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

72 Styrene



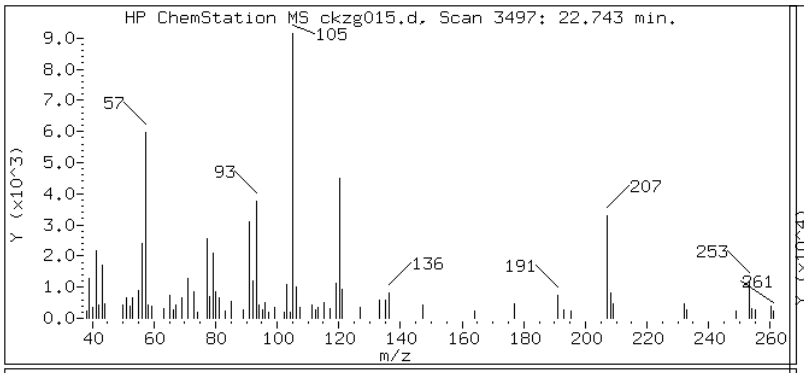
Data File: ckzg015.d

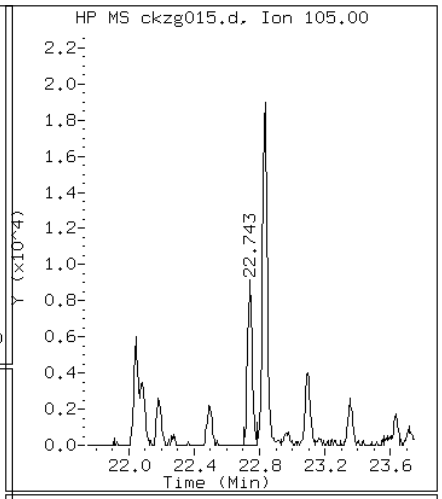
Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

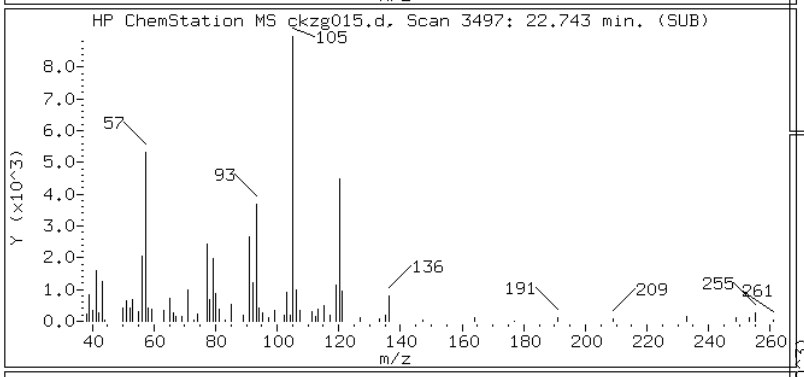
Client ID: 776IA1GA Instrument: C.i

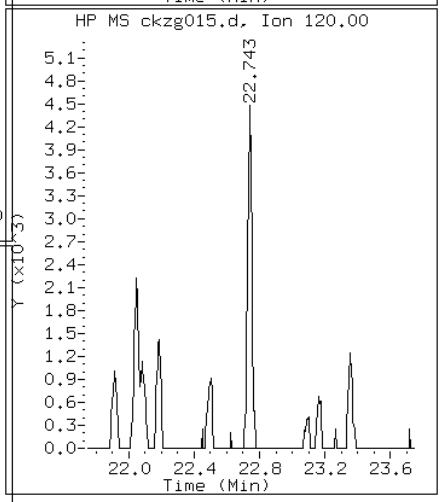
Sample Info: 280-32071-A-9 Operator: pad

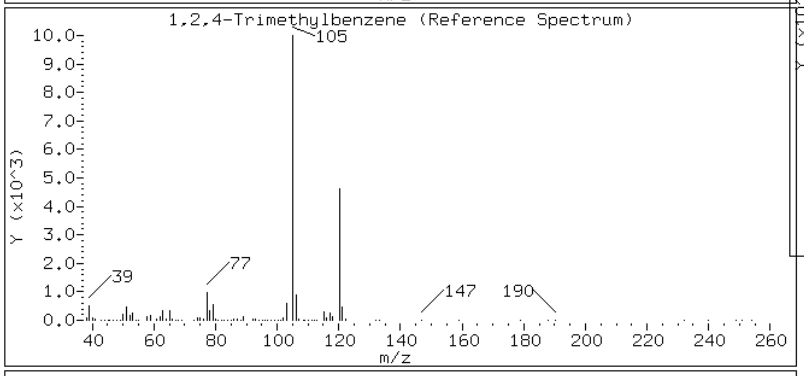
84 1,2,4-Trimethylbenzene

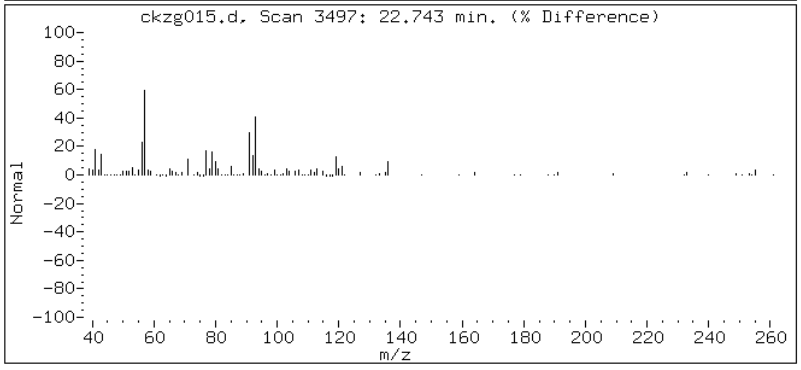












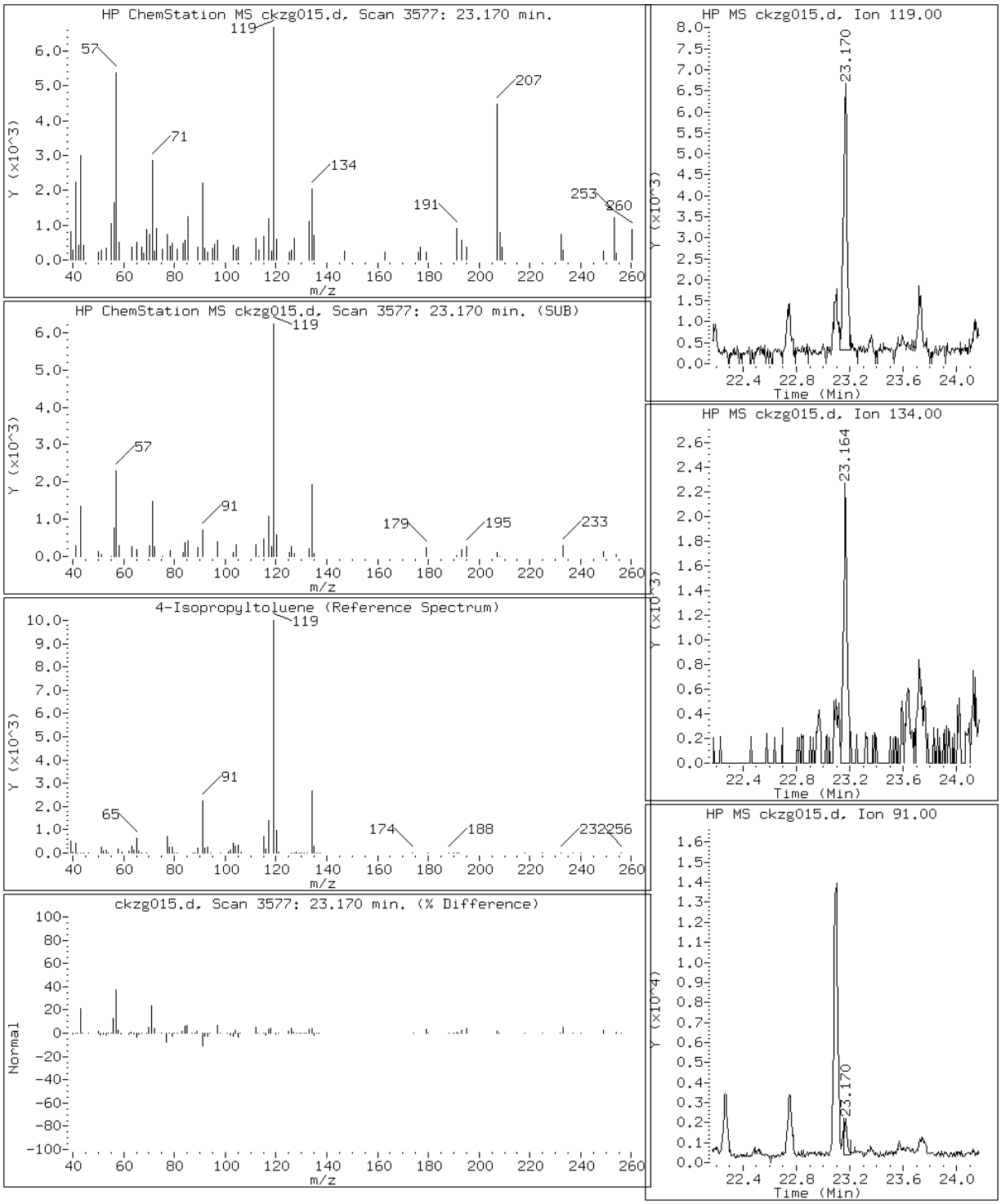
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

86 4-Isopropyltoluene



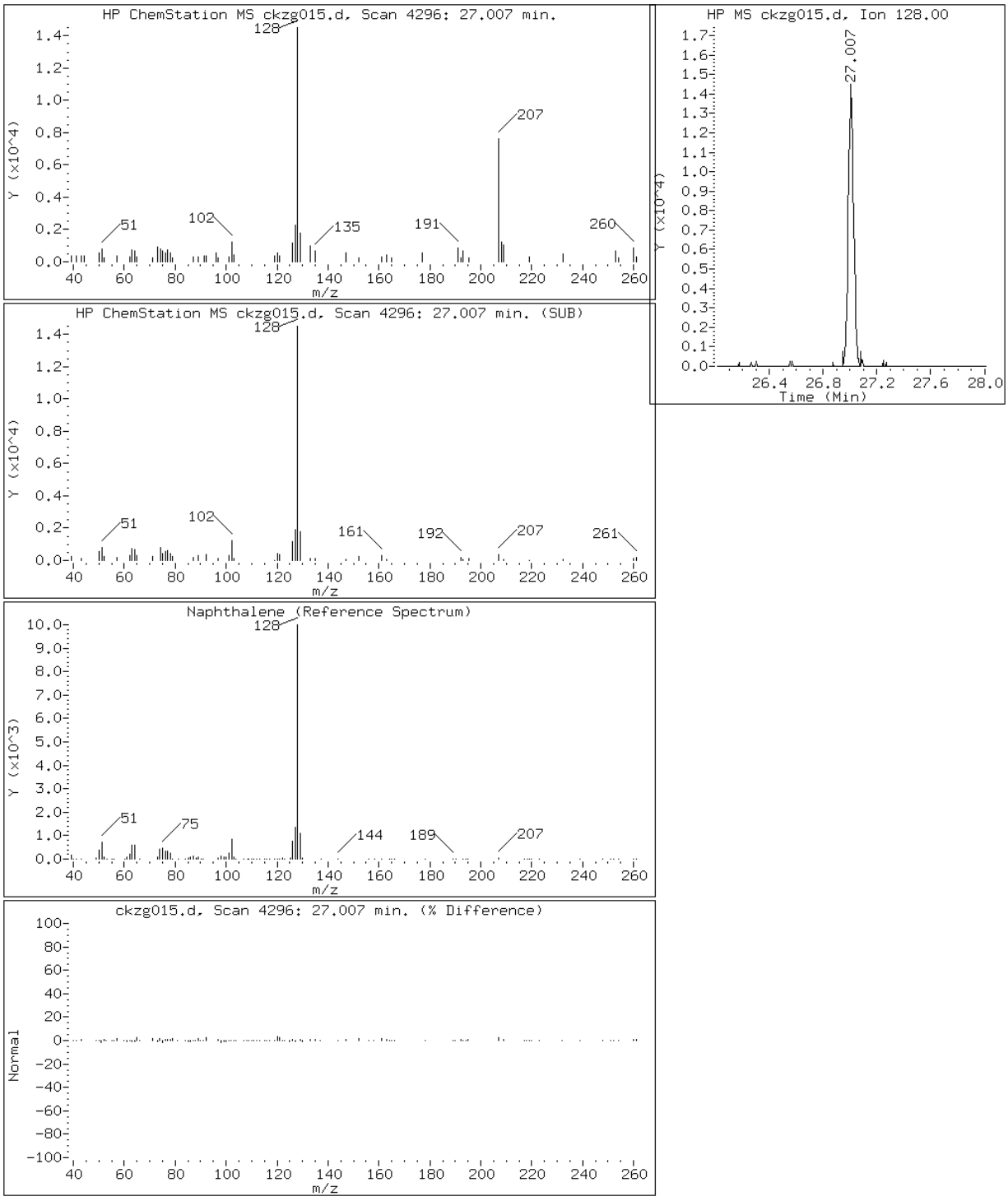
Data File: ckzg015.d

Lab Sample ID: 280-32071-9 Date: 23-AUG-2012 00:12

Client ID: 776IA1GA Instrument: C.i

Sample Info: 280-32071-A-9 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg015.d
Lab Sample ID: 280-32071-9
Inj. Date and Time: 23-AUG-2012 00:12
Instrument ID: C.i
Client ID: 776IA1GA
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/28/2012

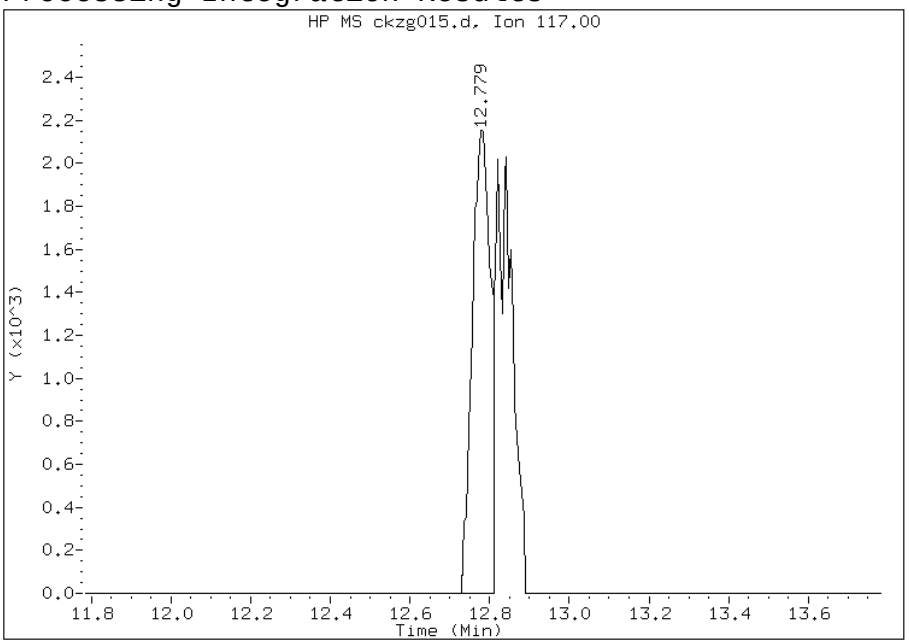
Processing Integration Results

RT: 12.78

Response: 6884

Amount: 0.077380

Conc: 0.077380



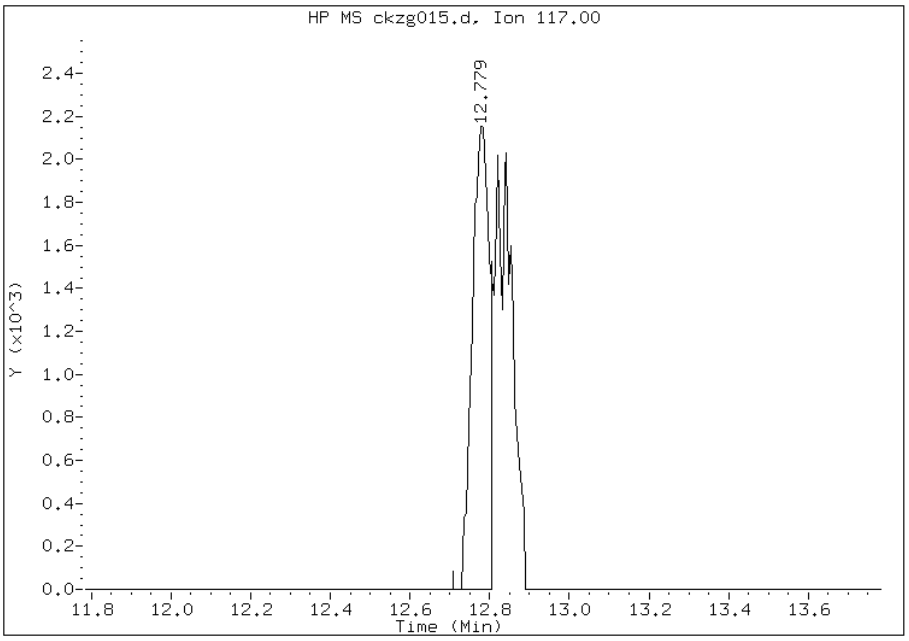
Manual Integration Results

RT: 12.78

Response: 6446

Amount: 0.072456

Conc: 0.072456



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0102AG Lab Sample ID: 280-32071-10

Matrix: Air Lab File ID: ckzg016.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:50

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.48	J	0.50	0.020
75-45-6	Freon 22	86.47	0.24	J	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.11	J	0.50	0.034
106-97-8	n-Butane	58.12	0.18	J	0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.081	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	3.3	J	5.0	0.40
67-63-0	Isopropyl alcohol	60.10	0.35	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.21	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.13	J M	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.080	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.45	J	0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.088	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.15	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.040	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.083	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.040	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0102AG Lab Sample ID: 280-32071-10

Matrix: Air Lab File ID: ckzg016.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:50

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.040	U	0.20	0.017
79-01-6	Trichloroethene	131.39	4.5		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.080	U	0.50	0.034
108-88-3	Toluene	92.14	0.40		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.22		0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.077	J	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.24	J	0.50	0.022
95-47-6	Xylene, o-	106.17	0.089	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.33		0.20	0.016
100-42-5	Styrene	104.15	0.047	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.078	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0102AG Lab Sample ID: 280-32071-10

Matrix: Air Lab File ID: ckzg016.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:50

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0102AG Lab Sample ID: 280-32071-10

Matrix: Air Lab File ID: ckzg016.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:50

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	0.86	J	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.24	J	1.0	0.070
106-97-8	n-Butane	58.12	0.43	J	1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.12
76-13-1	Freon TF	187.38	0.62	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	7.8	J	12	0.95
67-63-0	Isopropyl alcohol	60.10	0.87	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.65	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.44	J M	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.28	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	1.3	J	1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.43	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.43	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.14	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.52	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.13	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0102AG Lab Sample ID: 280-32071-10

Matrix: Air Lab File ID: ckzg016.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:50

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.82	0.070
79-01-6	Trichloroethene	131.39	24		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.33	U	2.0	0.14
108-88-3	Toluene	92.14	1.5		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	1.5		1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.34	J	0.87	0.065
179601-23-1	m,p-Xylene	106.17	1.0	J	2.2	0.096
95-47-6	Xylene, o-	106.17	0.39	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.4		0.87	0.069
100-42-5	Styrene	104.15	0.20	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.38	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0102AG Lab Sample ID: 280-32071-10

Matrix: Air Lab File ID: ckzg016.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:50

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-10
Client Smp ID: 786VMP0102AG
Inj Date : 23-AUG-2012 01:05
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-10
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	42802	0.48005	0.48(a)
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	10916	0.24295	0.24(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	2853	0.11475	0.11(a)
6 Butane	43	5.072	5.078	(0.420)	7885	0.17929	0.18(a)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	22418	0.23841	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	5332	0.08110	0.081(aQ)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.269	8.269	(0.684)	117593	3.28876	3.3(a)

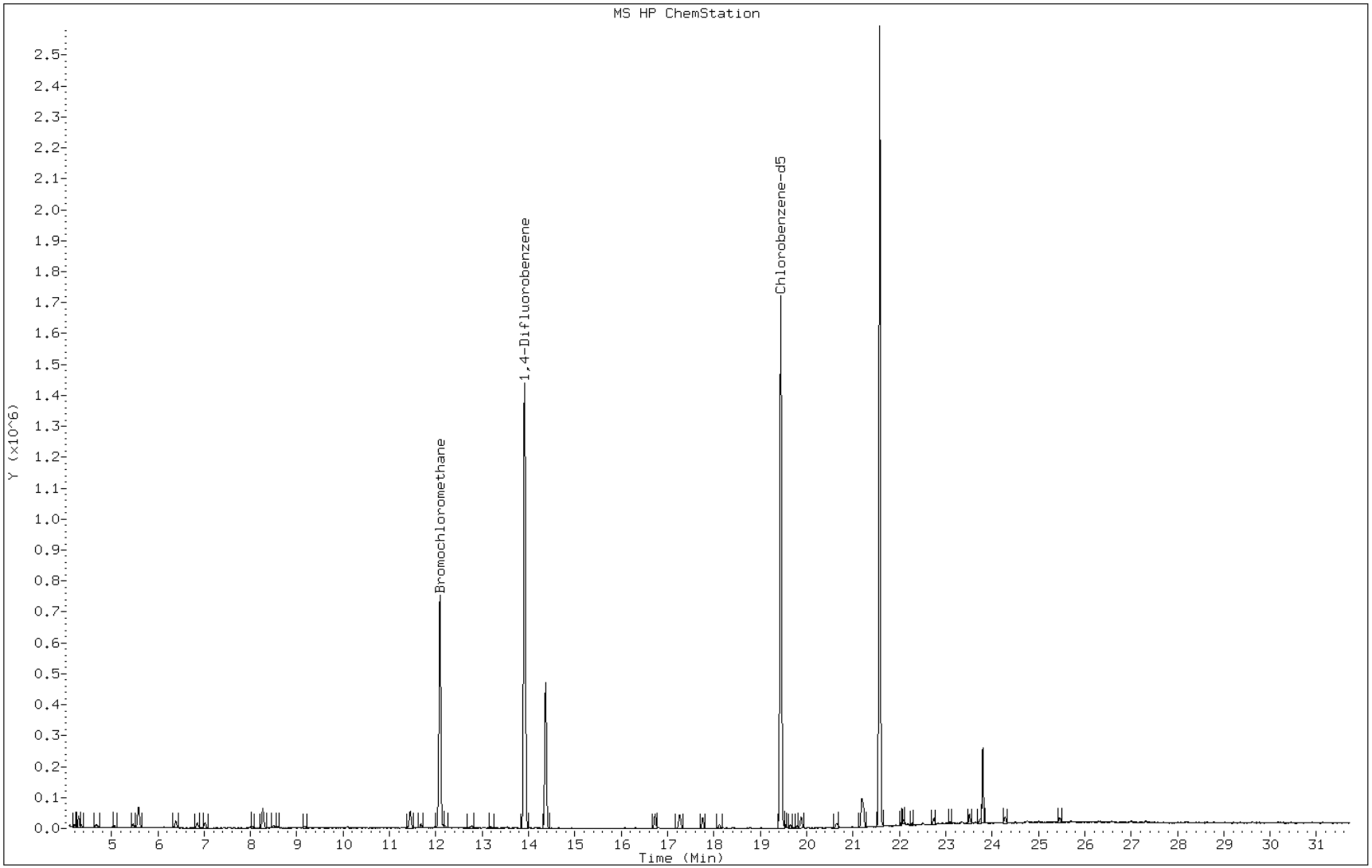
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	18169	0.20962	0.21(a)
	22 Isopropanol	45	8.589	8.573	(0.711)	8867	0.35296	0.35(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.171	9.177	(0.759)	3851	0.12626	0.13(aM)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	6165	0.45377	0.45(aQ)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	324728	10.0000	
	38 Tetrahydrofuran	42	12.160	12.139	(0.874)	4177	0.14666	0.15(a)
	39 Chloroform	83	12.208	12.213	(1.010)	6372	0.08784	0.088(a)
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.773	12.784	(0.918)	7208	0.08255	0.083(a)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.910	13.921	(1.000)	1811730	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	224993	4.45539	4.5
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	16.733	16.734	(0.861)	32514	0.40363	0.40
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.758	17.764	(0.913)	16984	0.22362	0.22(Q)
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	1680291	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.642	19.653	(1.010)	13072	0.07715	0.077(a)
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	16991	0.24070	0.24(a)
M	70 Xylenes, Total	106				23055	0.32943	0.33
	71 Xylene (o)	106	20.640	20.646	(1.061)	6064	0.08873	0.089(a)
	72 Styrene	104	20.672	20.678	(1.063)	4506	0.04662	0.047(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	12443	0.07792	0.078(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg016.d	Date:	23-AUG-2012 01:05
Client ID:	786VMP0102AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-10		
Lab Sample ID:	280-32071-10		



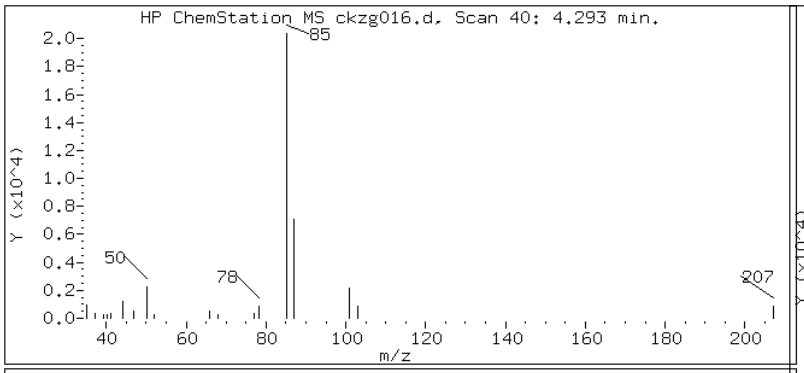
Data File: ckzg016.d

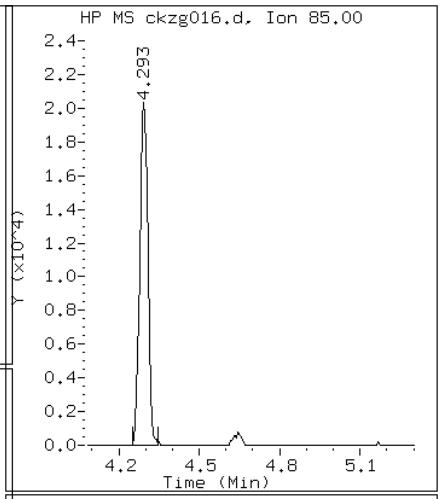
Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

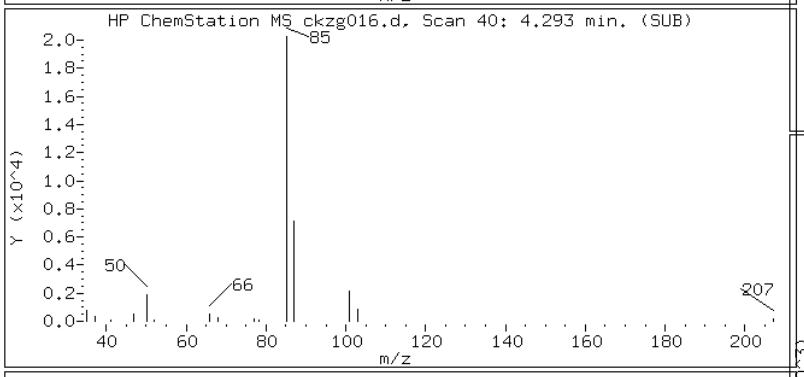
Client ID: 786VMP0102AG Instrument: C.i

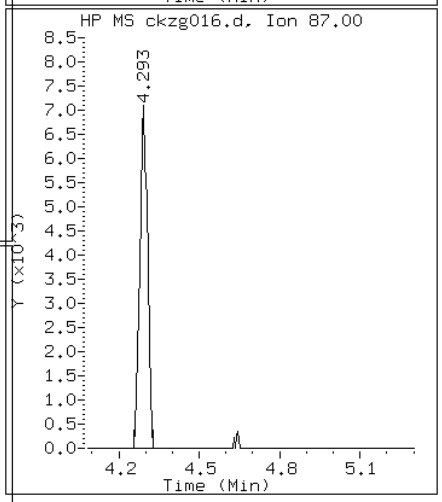
Sample Info: 280-32071-A-10 Operator: pad

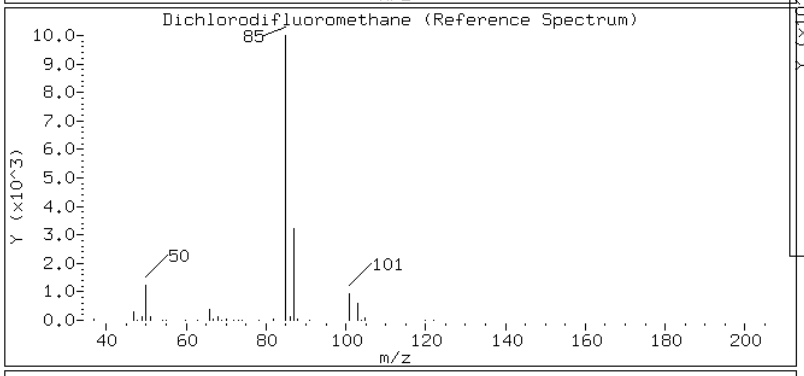
2 Dichlorodifluoromethane

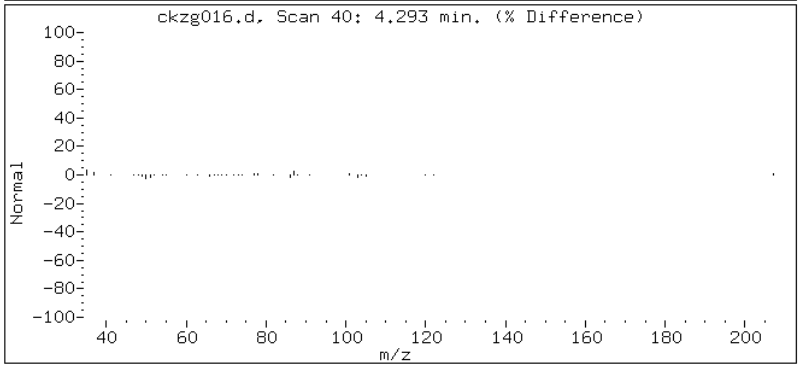












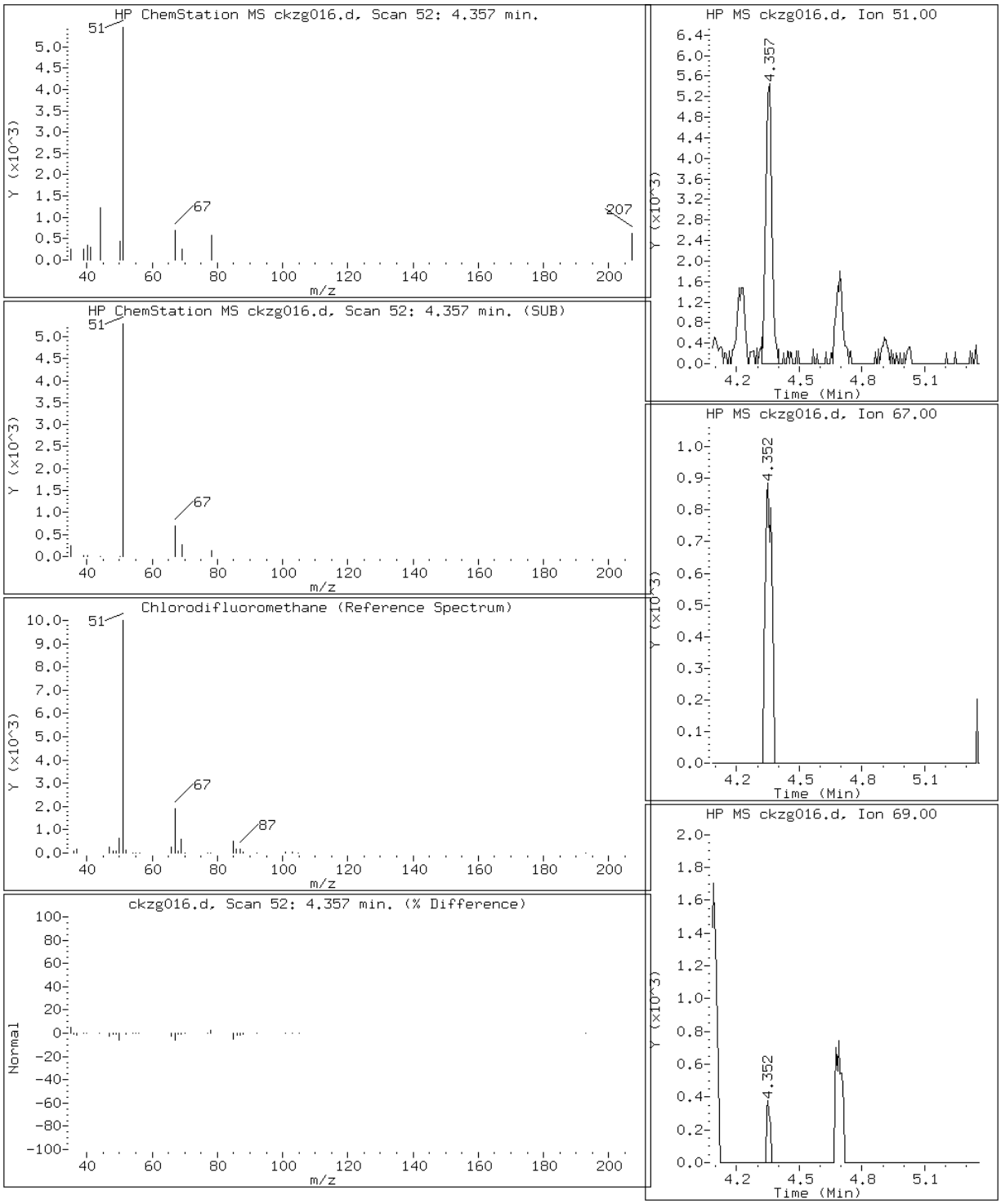
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

3 Chlorodifluoromethane



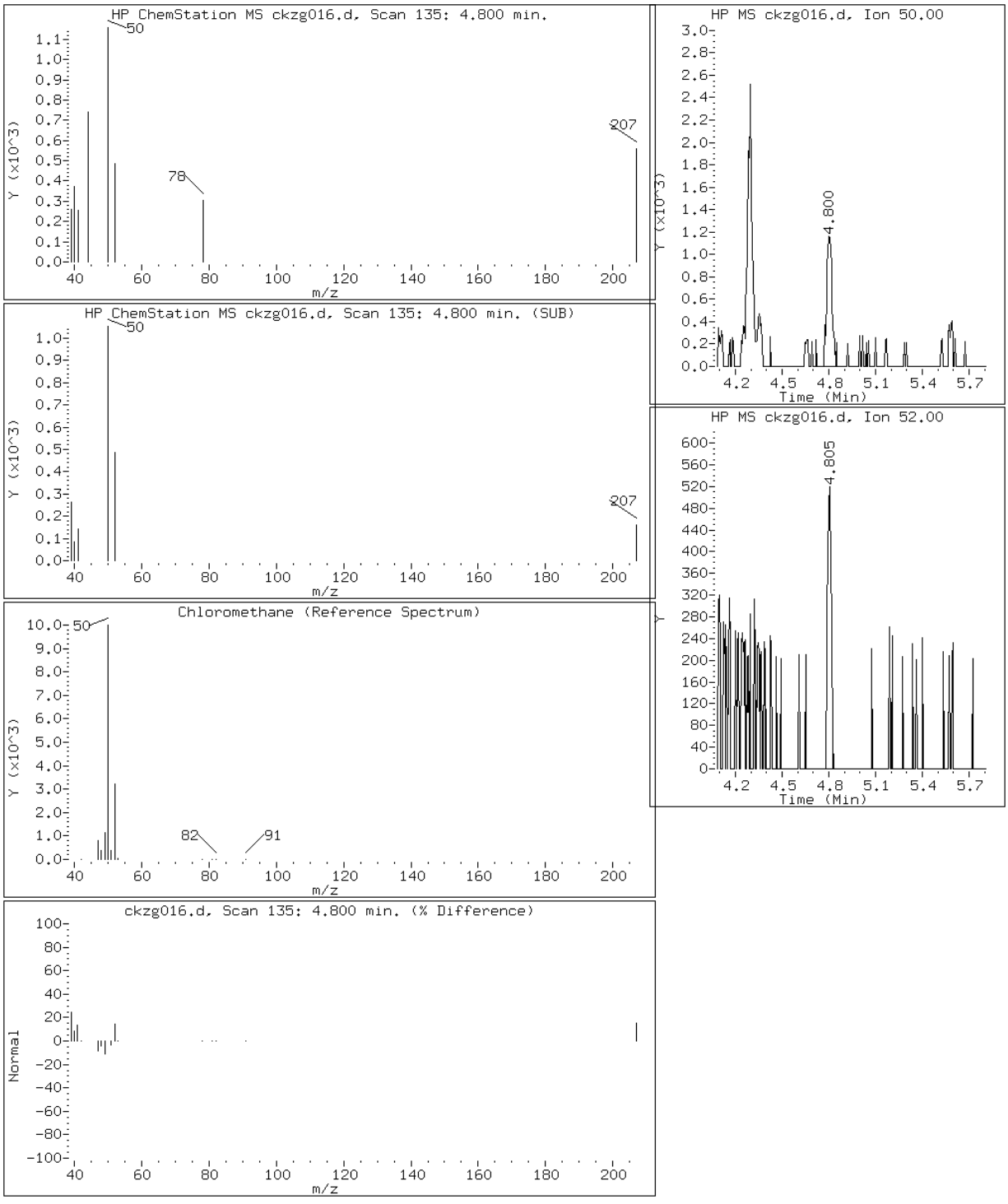
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

5 Chloromethane



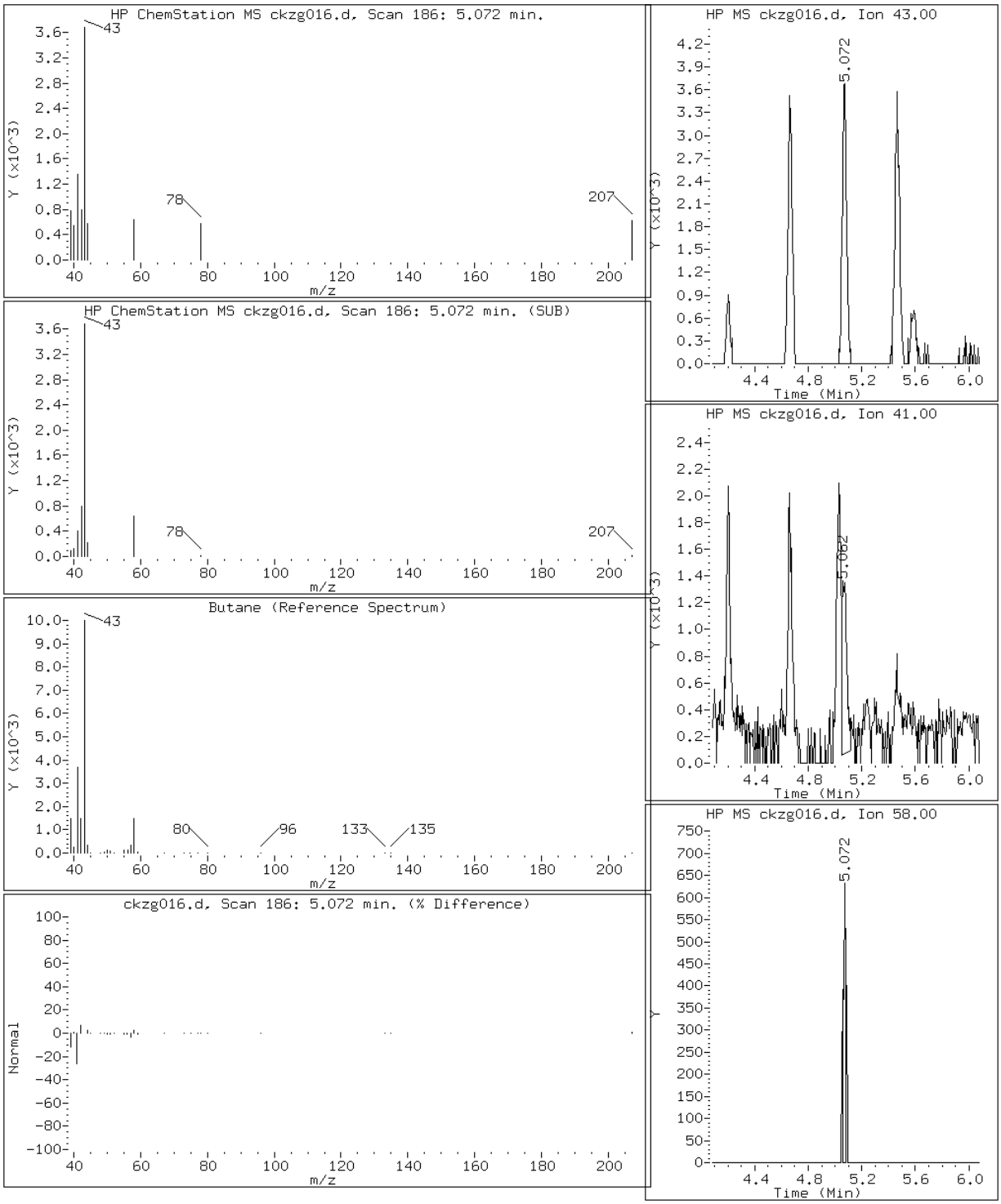
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

6 Butane



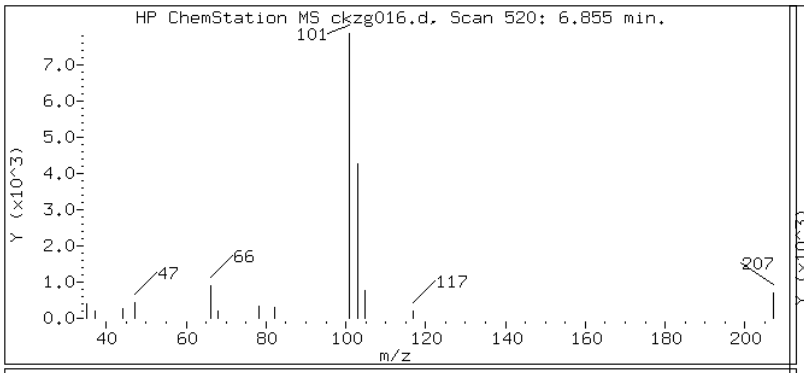
Data File: ckzg016.d

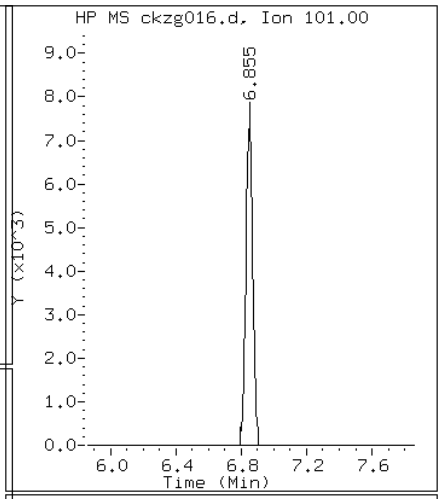
Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

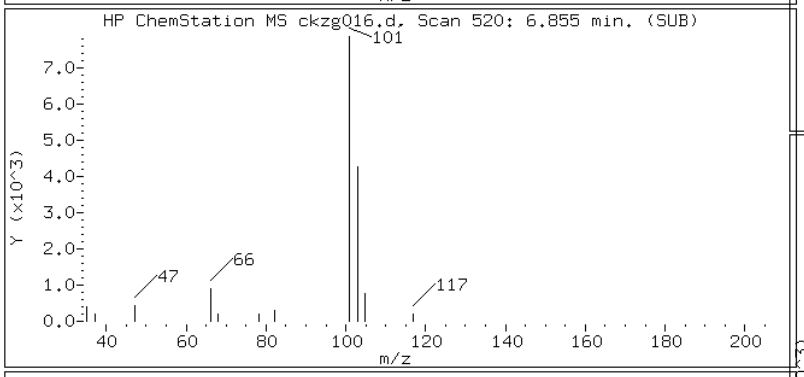
Client ID: 786VMP0102AG Instrument: C.i

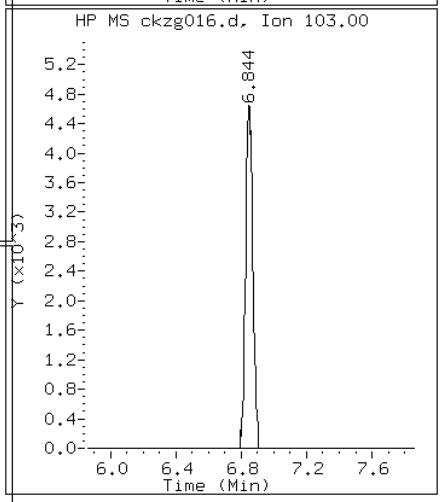
Sample Info: 280-32071-A-10 Operator: pad

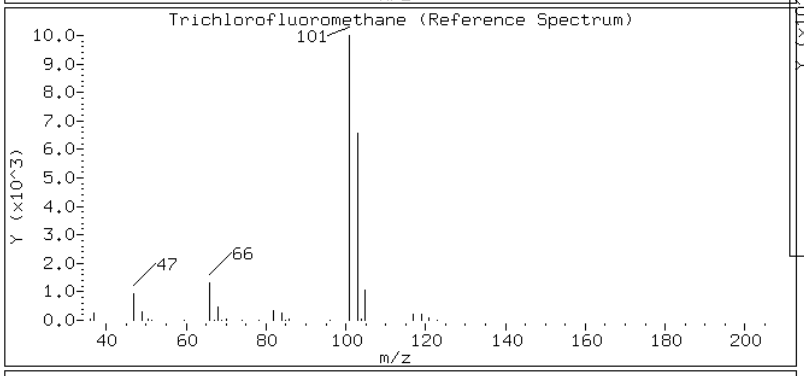
13 Trichlorofluoromethane

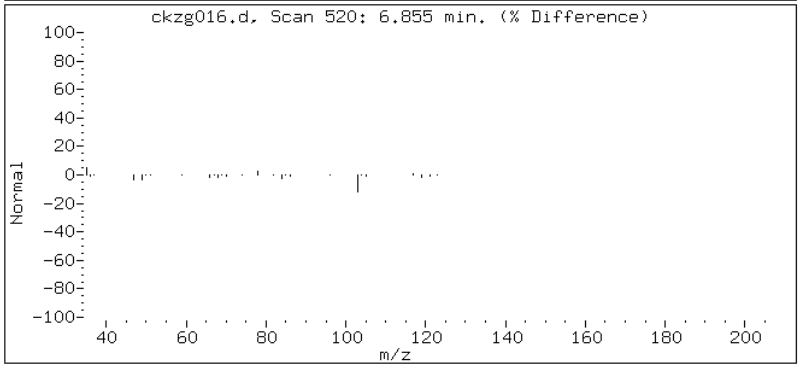












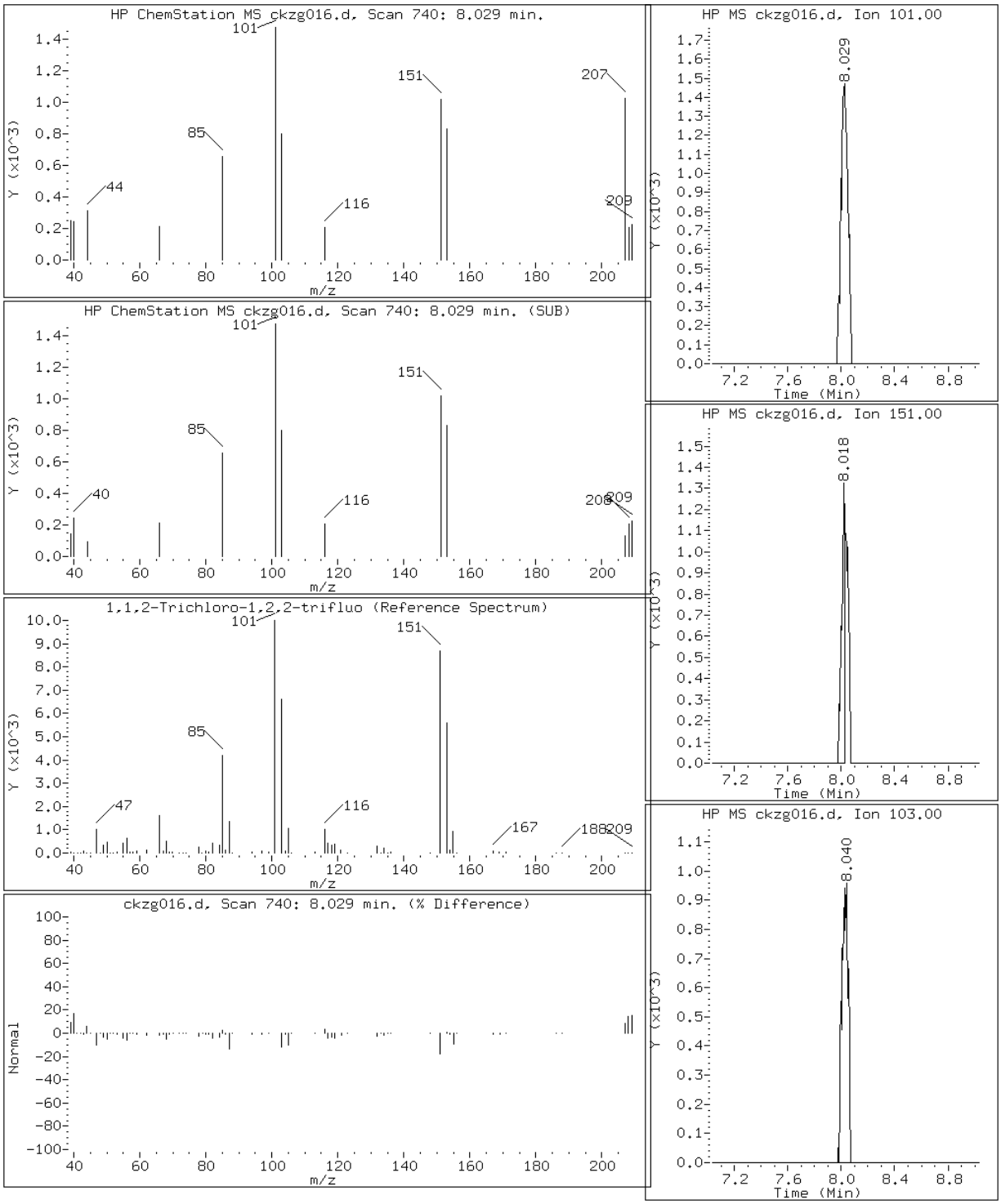
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



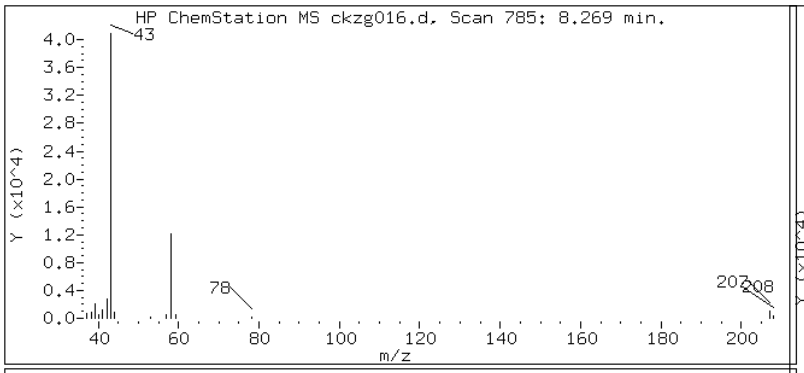
Data File: ckzg016.d

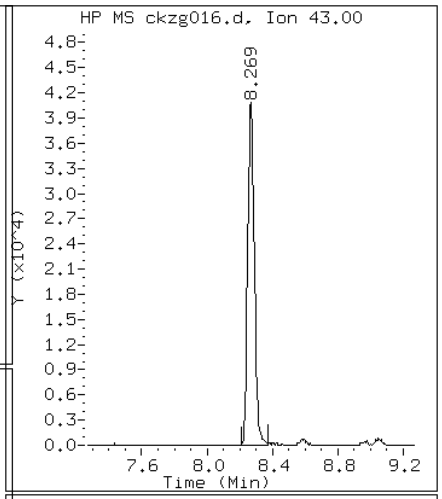
Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

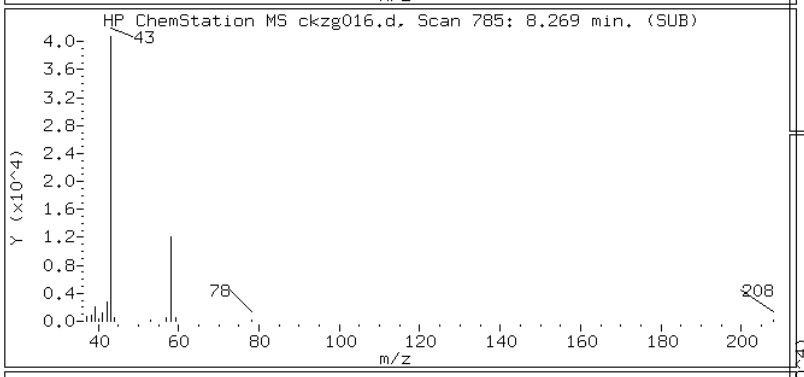
Client ID: 786VMP0102AG Instrument: C.i

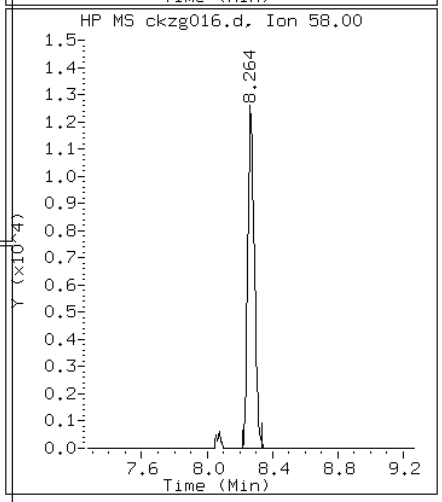
Sample Info: 280-32071-A-10 Operator: pad

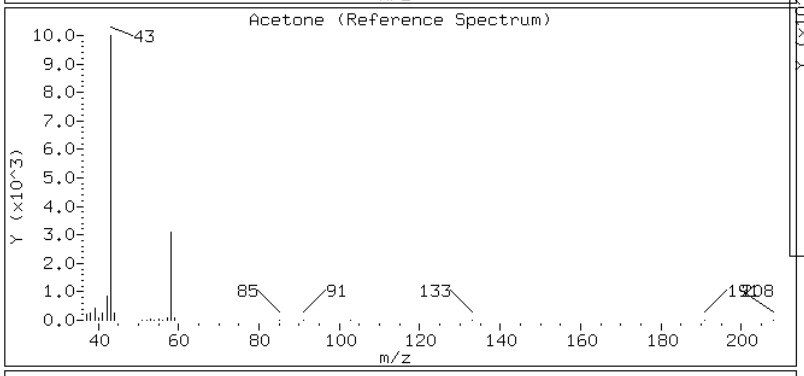
20 Acetone

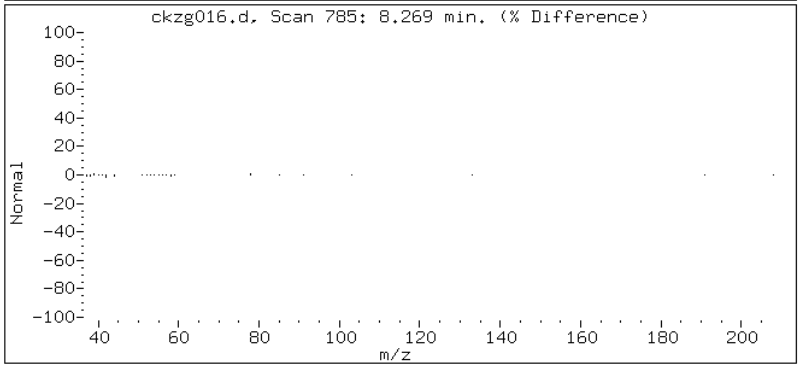












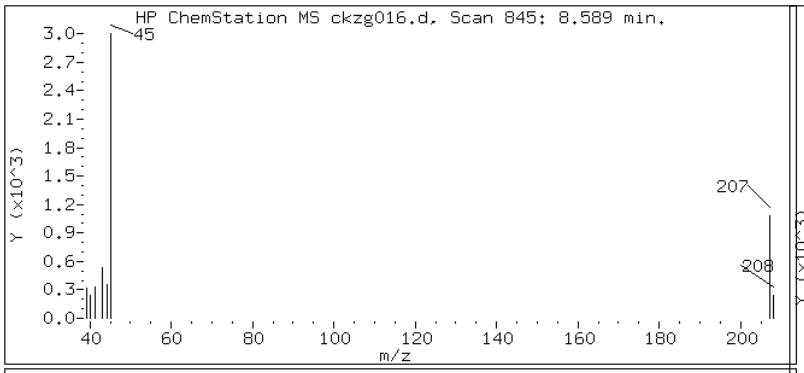
Data File: ckzg016.d

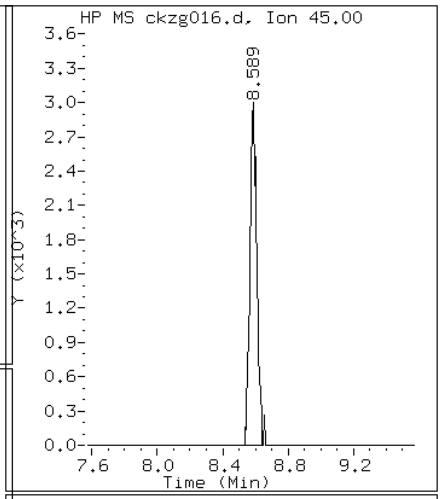
Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

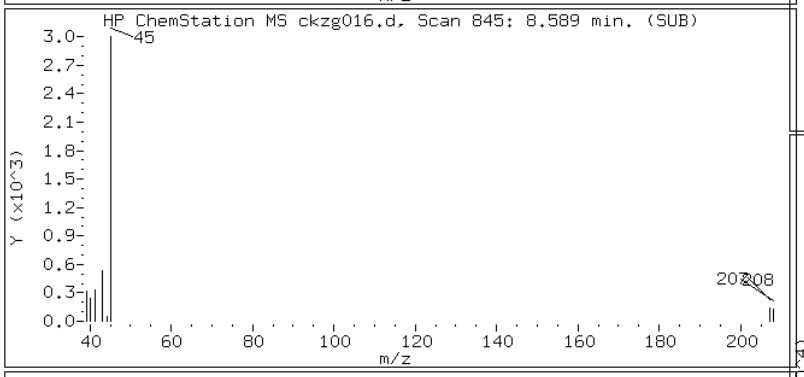
Client ID: 786VMP0102AG Instrument: C.i

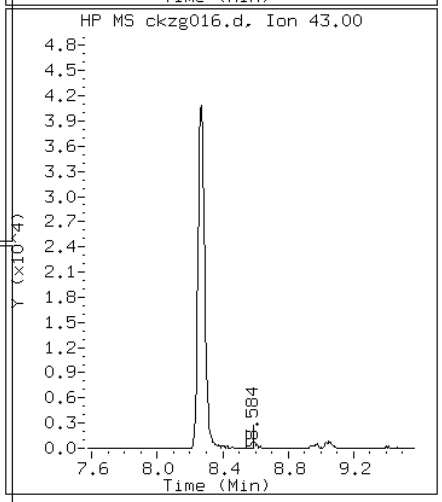
Sample Info: 280-32071-A-10 Operator: pad

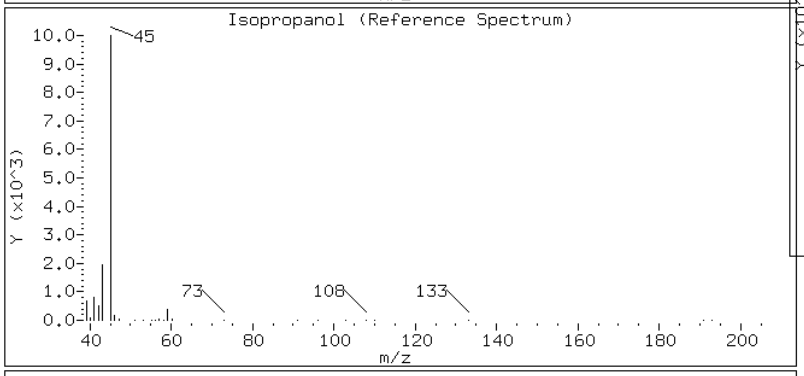
22 Isopropanol

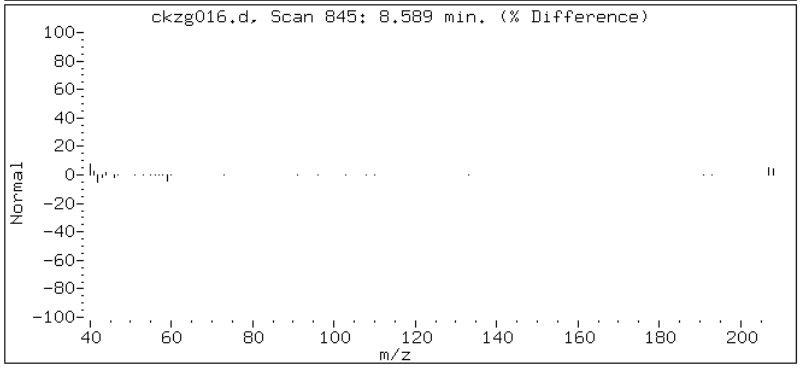












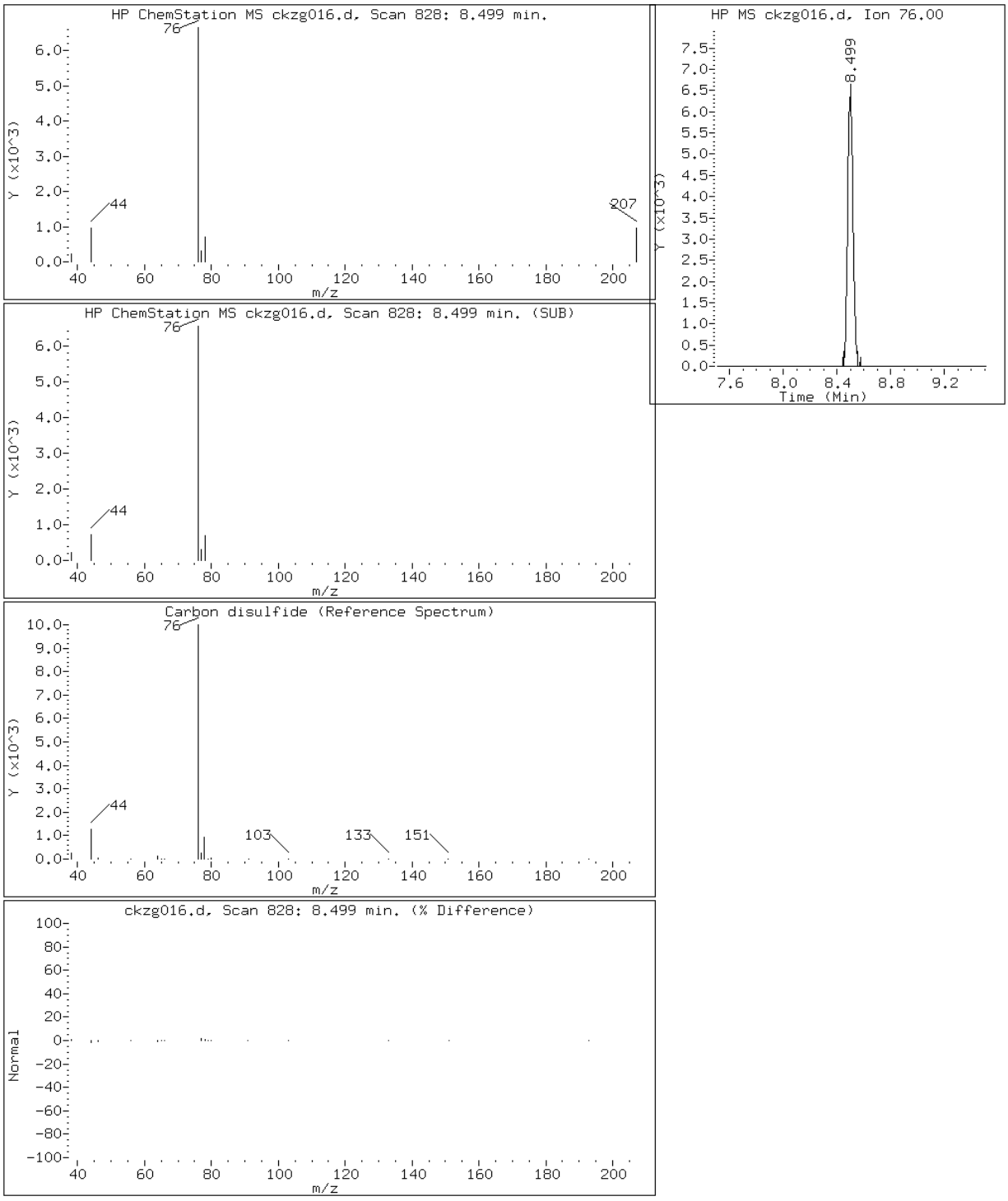
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

21 Carbon disulfide



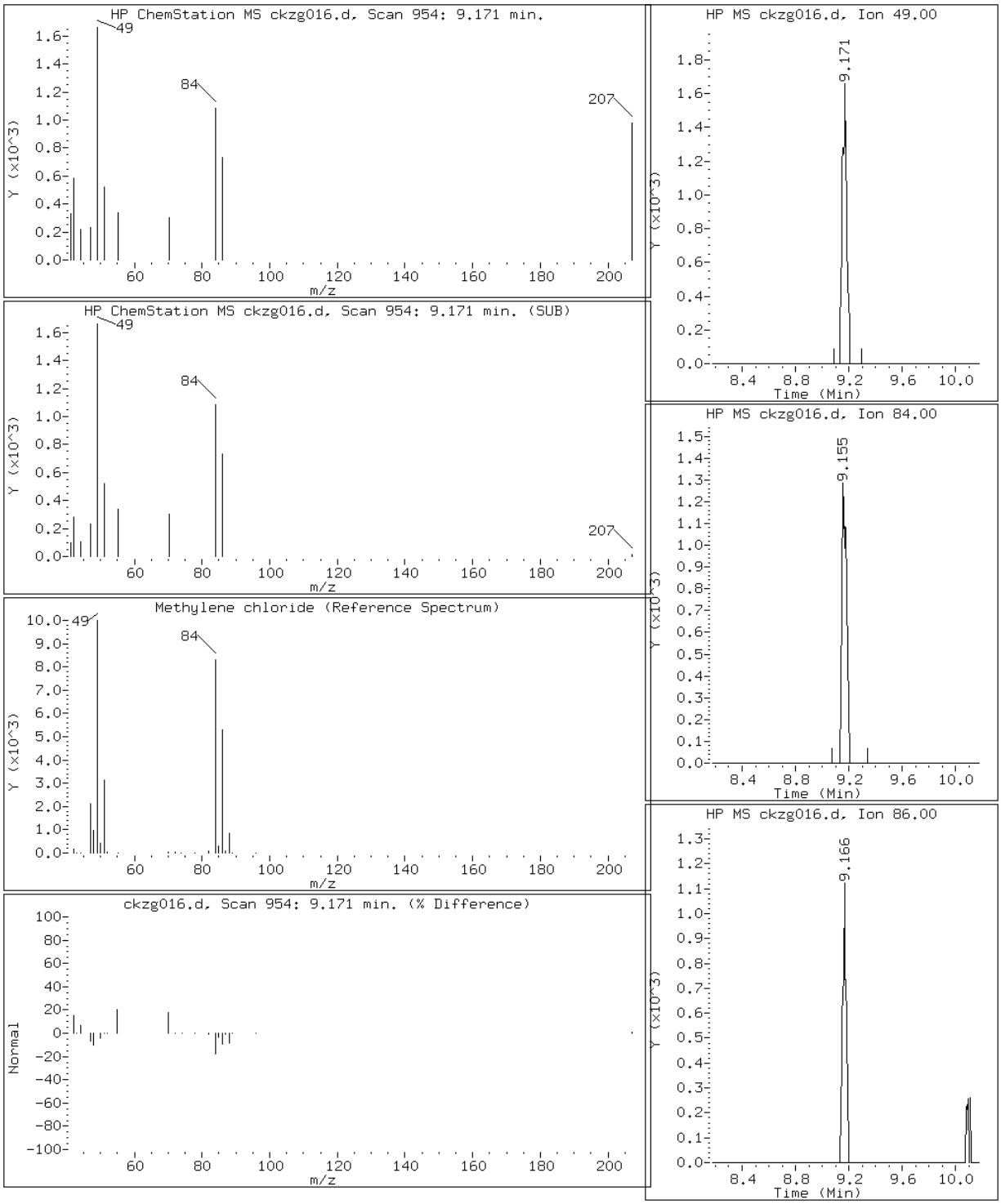
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

25 Methylene chloride



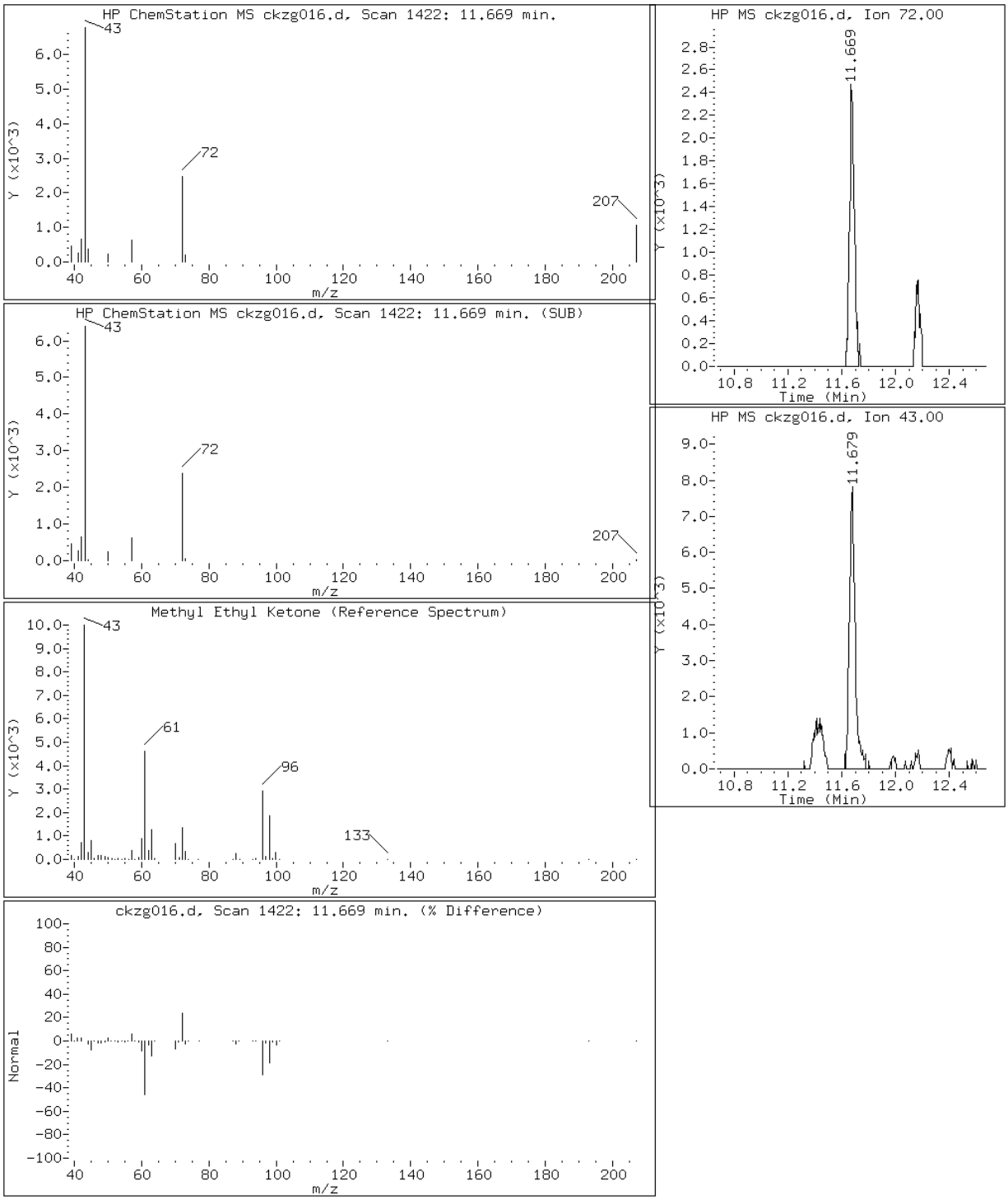
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

36 Methyl Ethyl Ketone



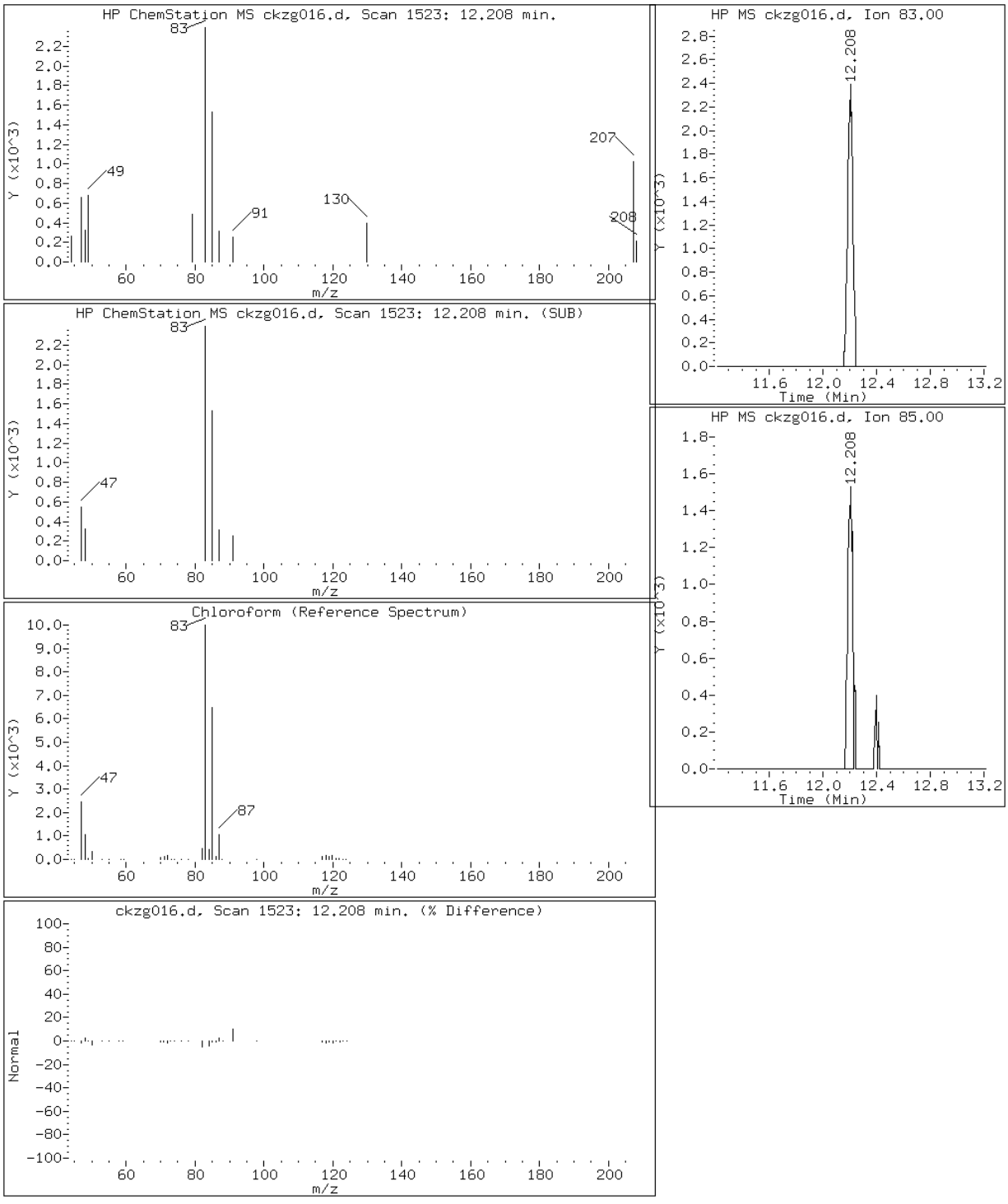
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

39 Chloroform



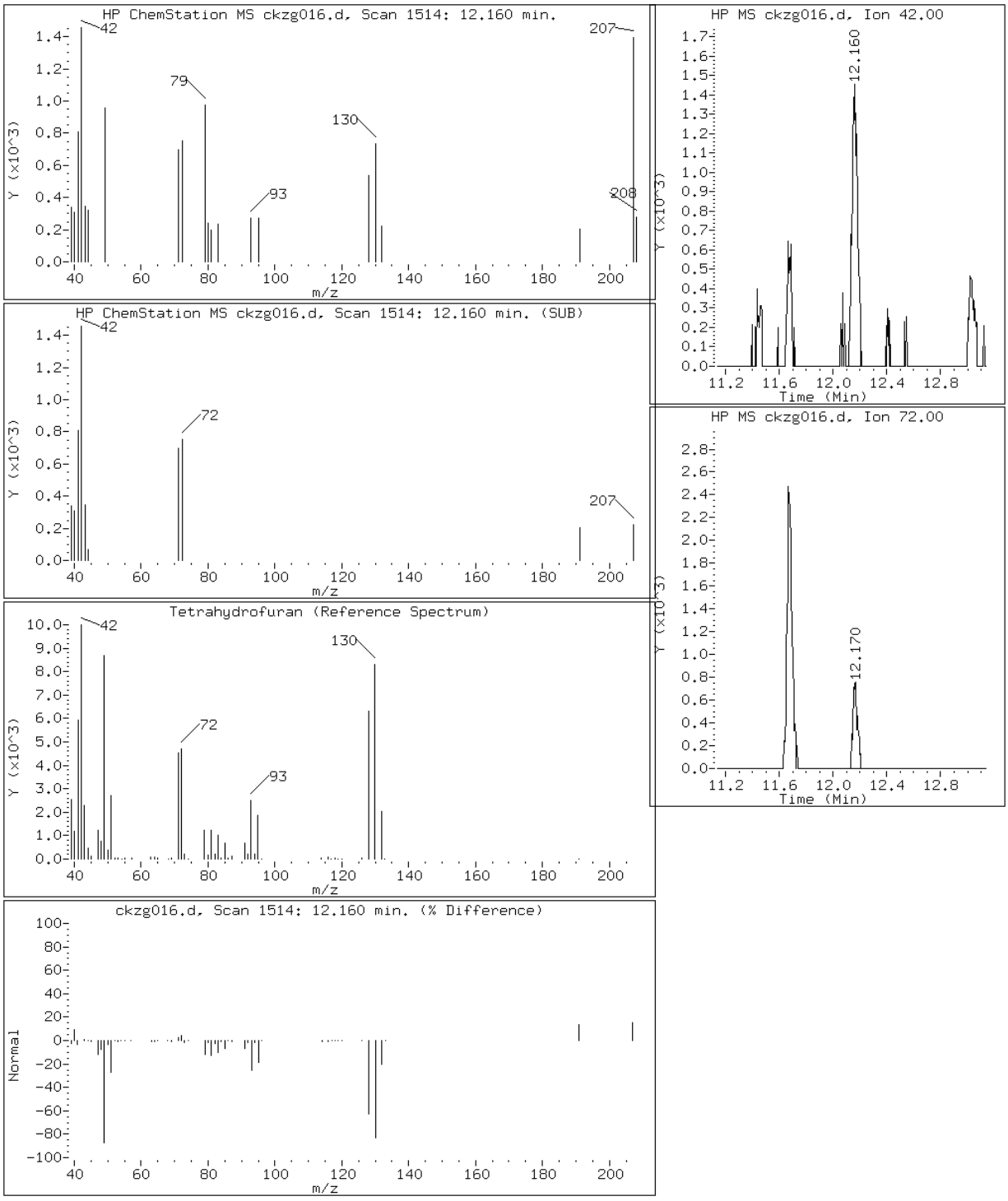
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

38 Tetrahydrofuran



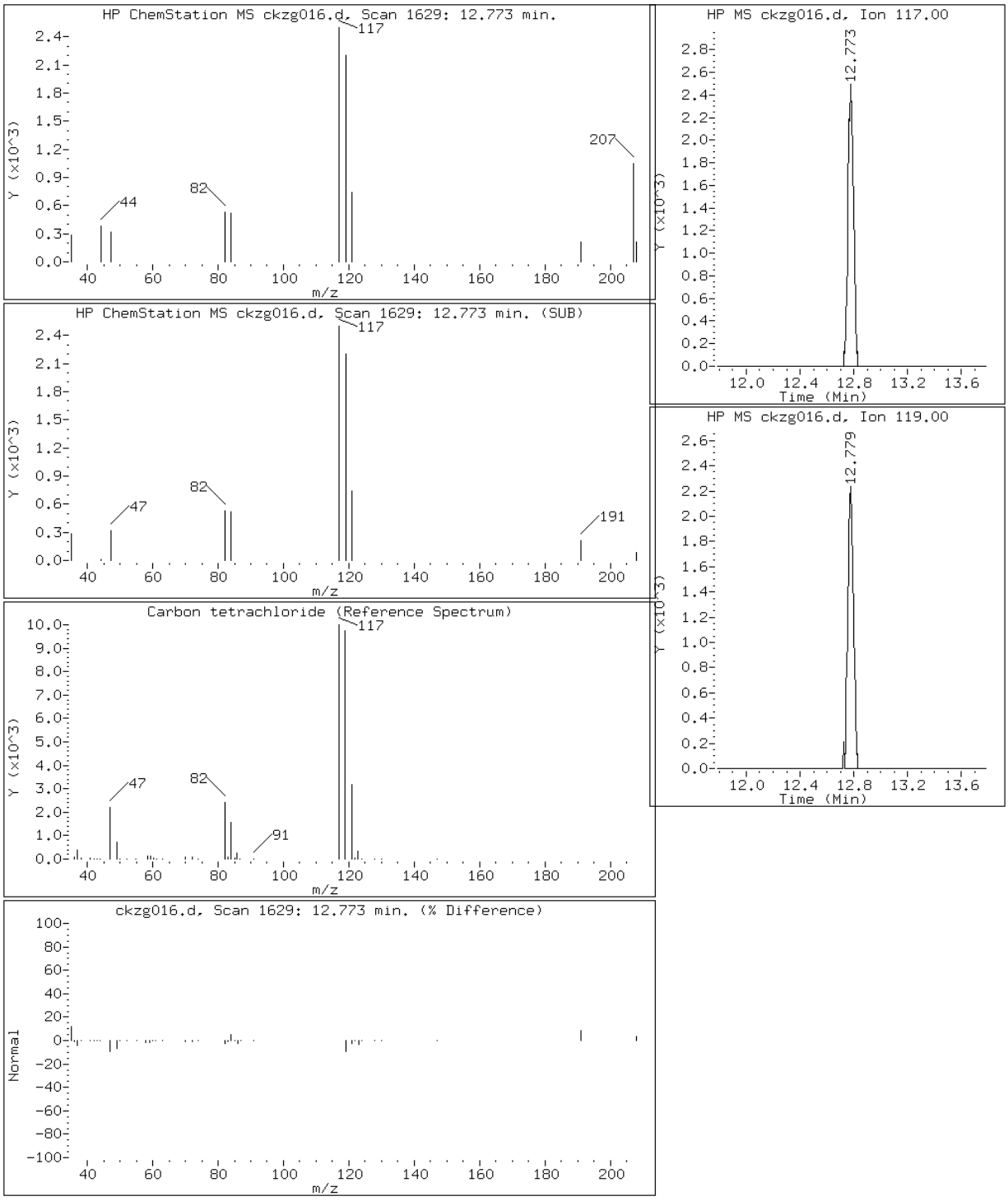
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

42 Carbon tetrachloride



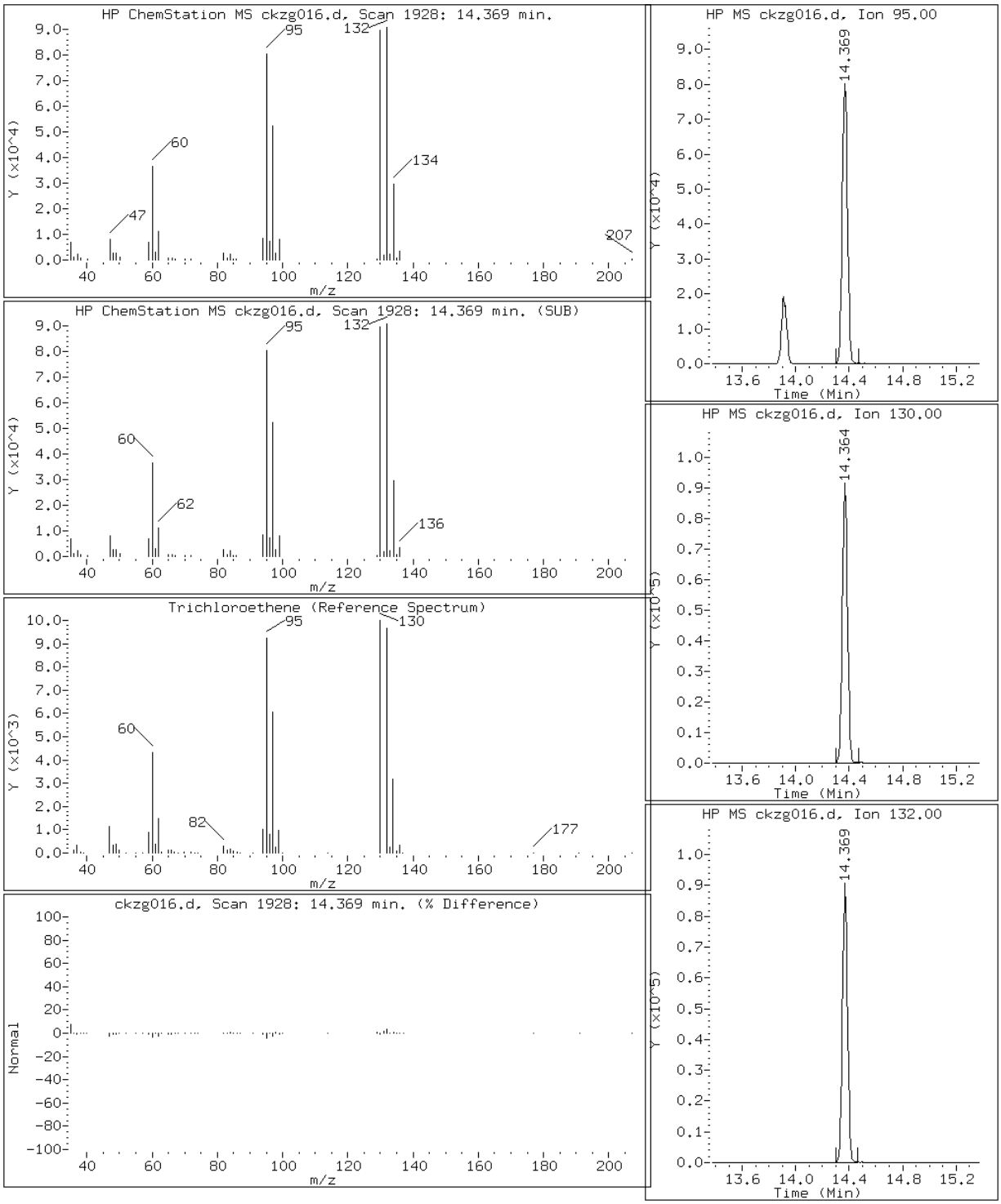
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

49 Trichloroethene



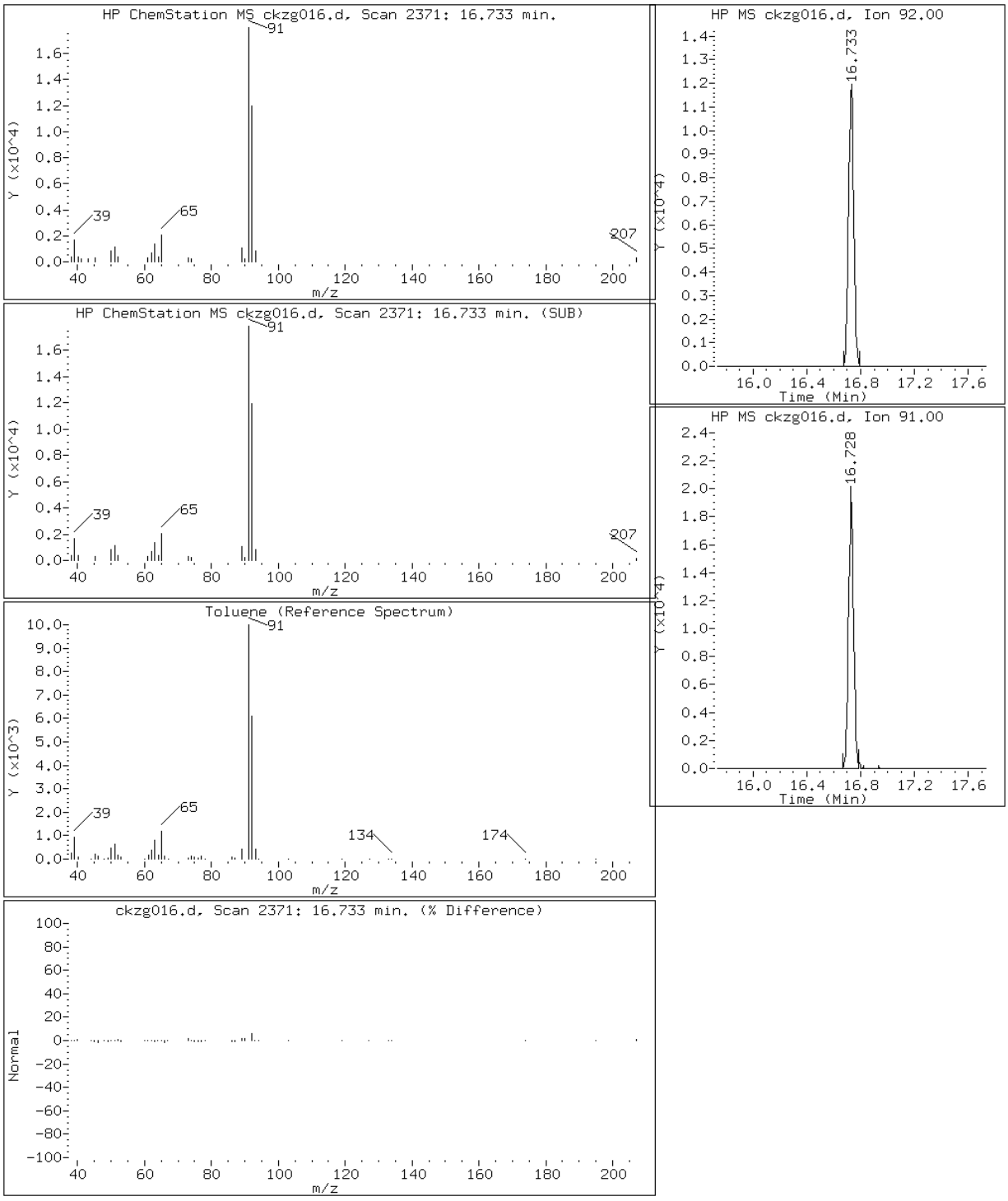
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

58 Toluene



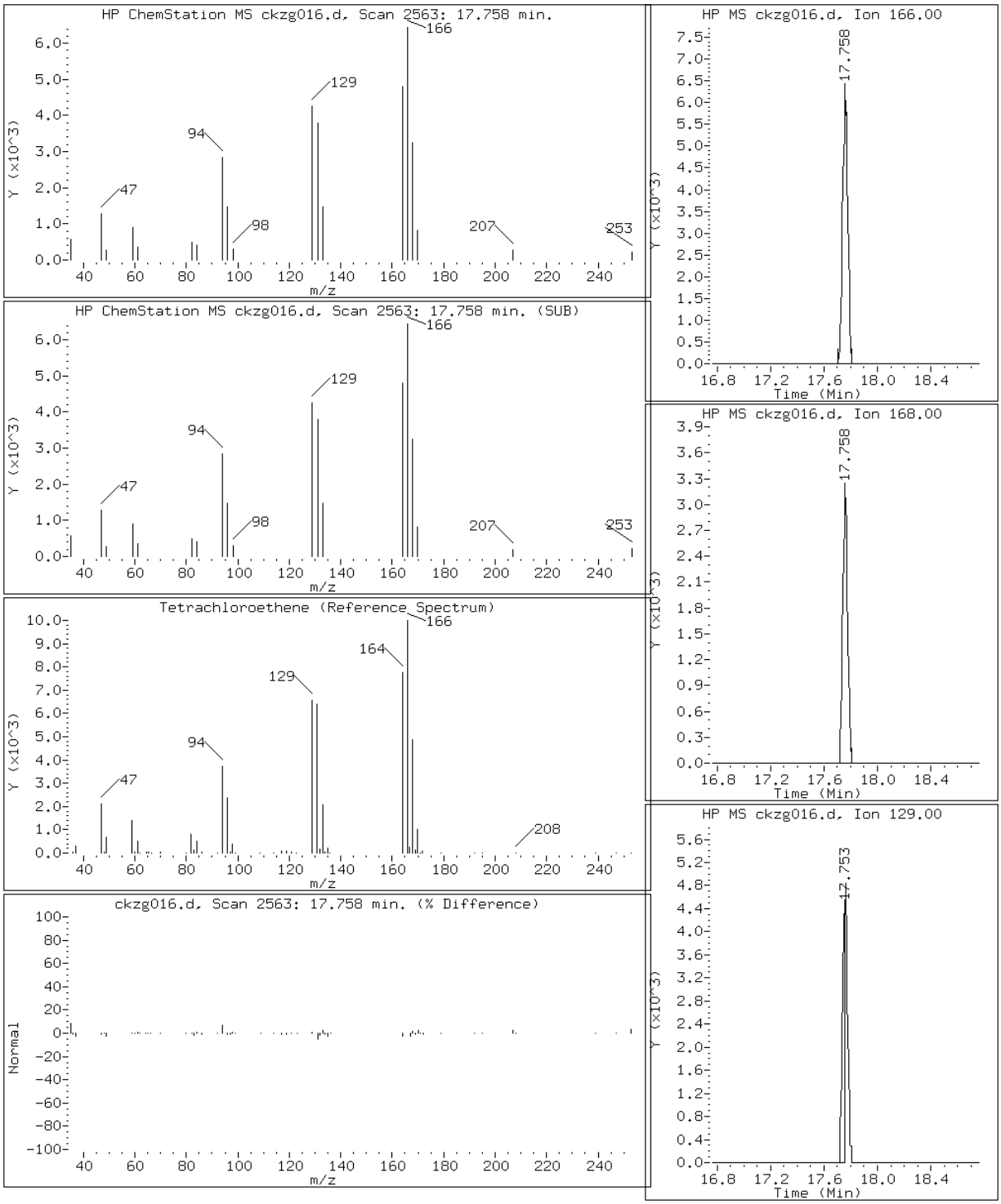
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

61 Tetrachloroethene



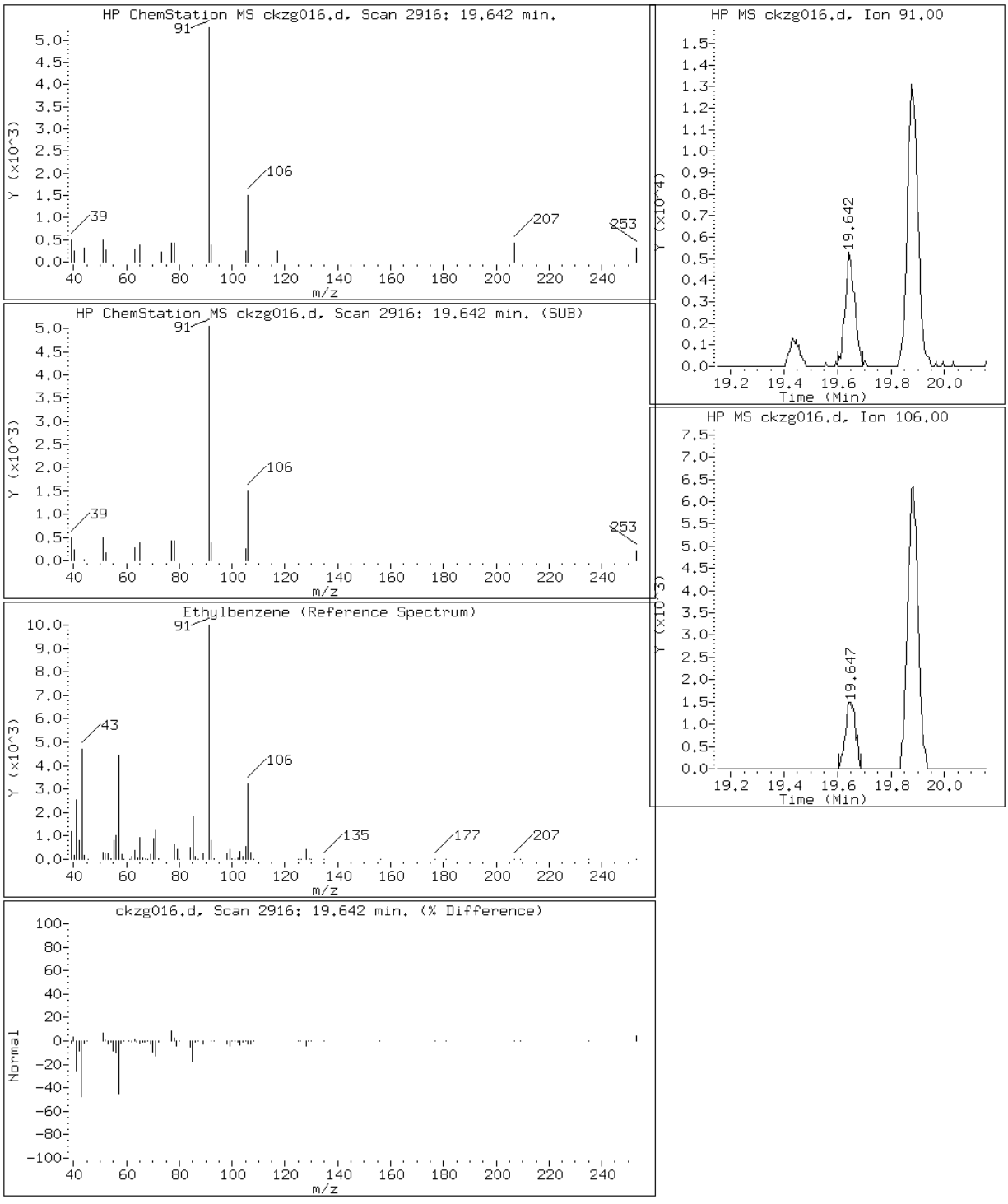
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

68 Ethylbenzene



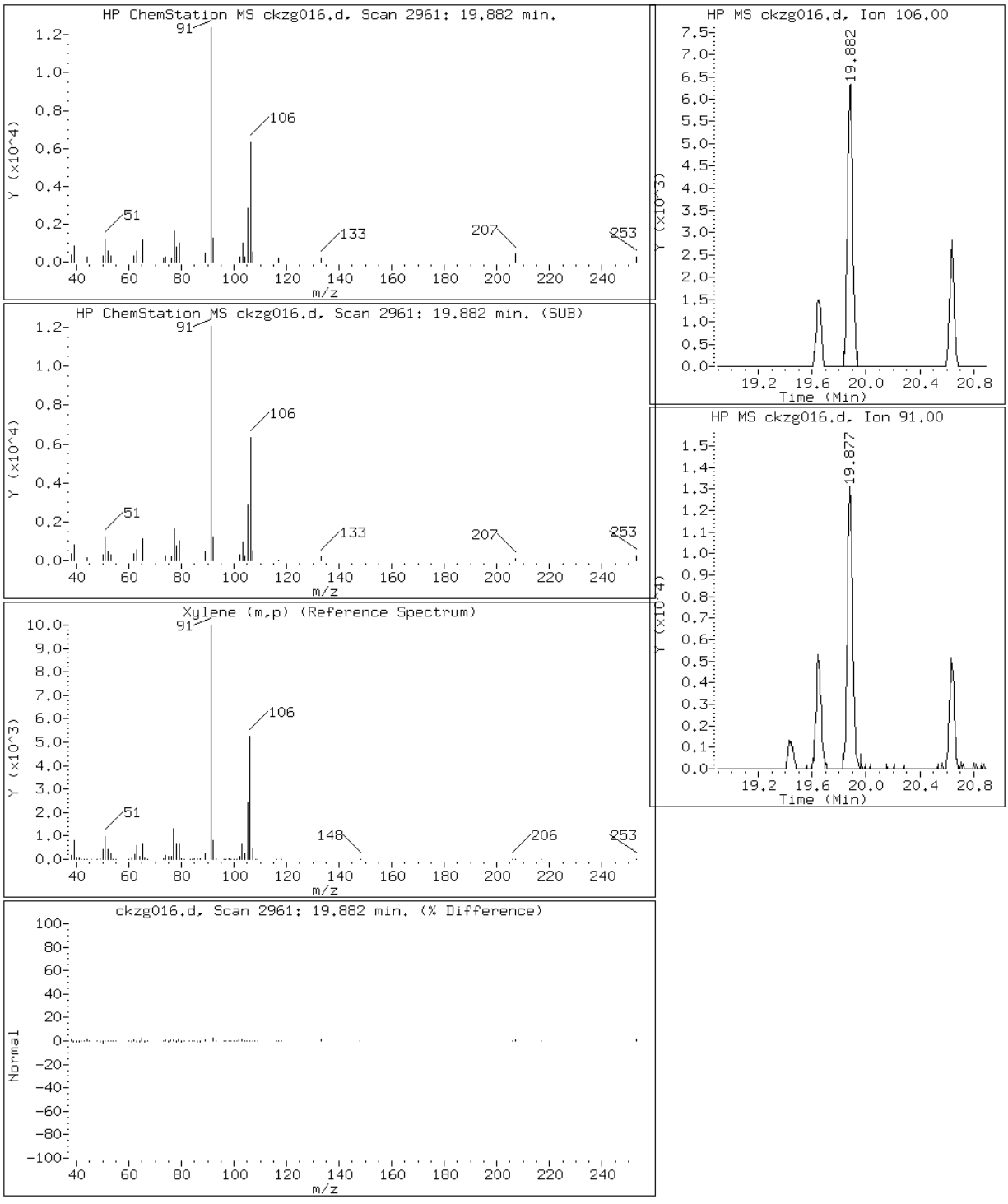
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

69 Xylene (m,p)



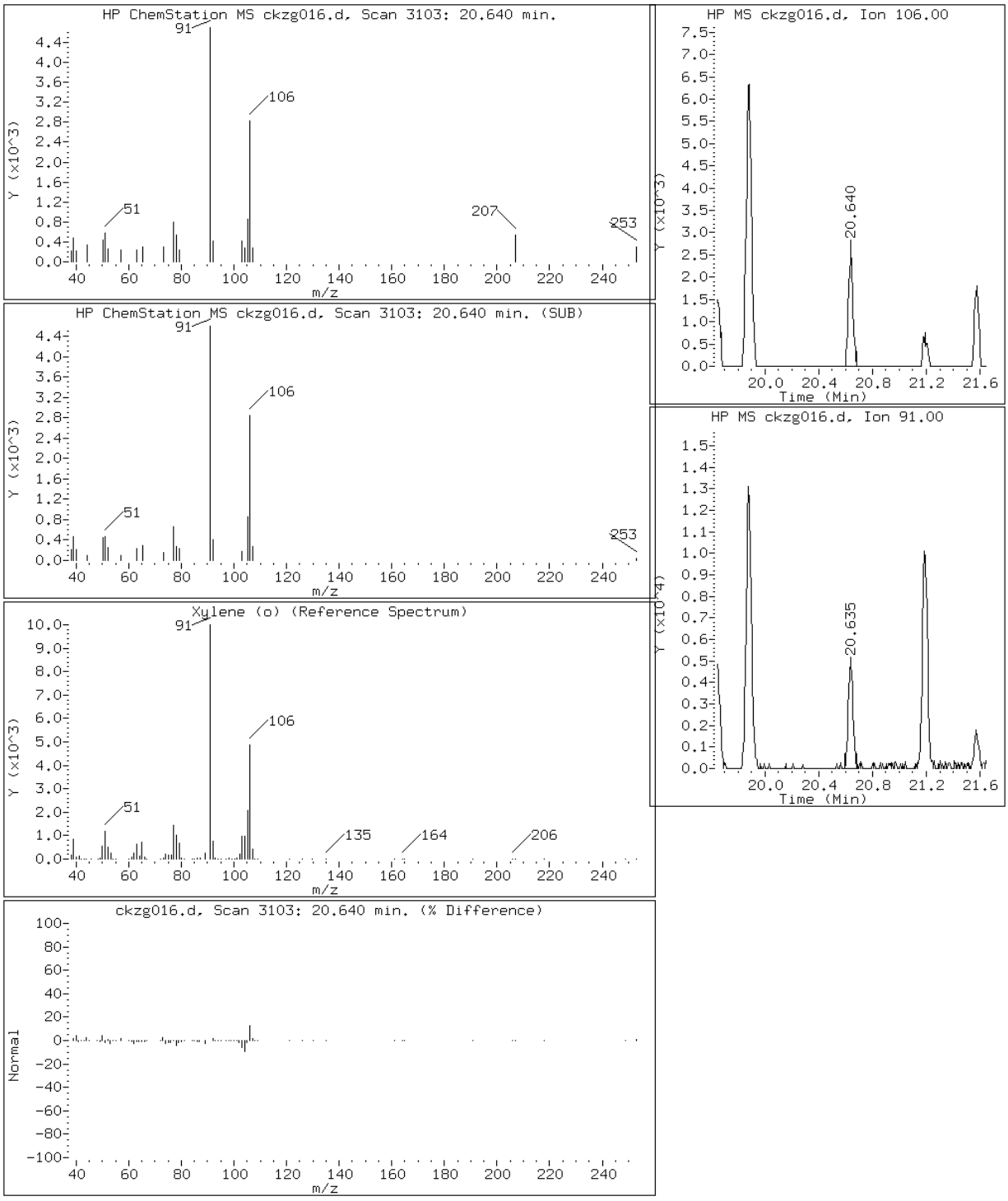
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

71 Xylene (o)



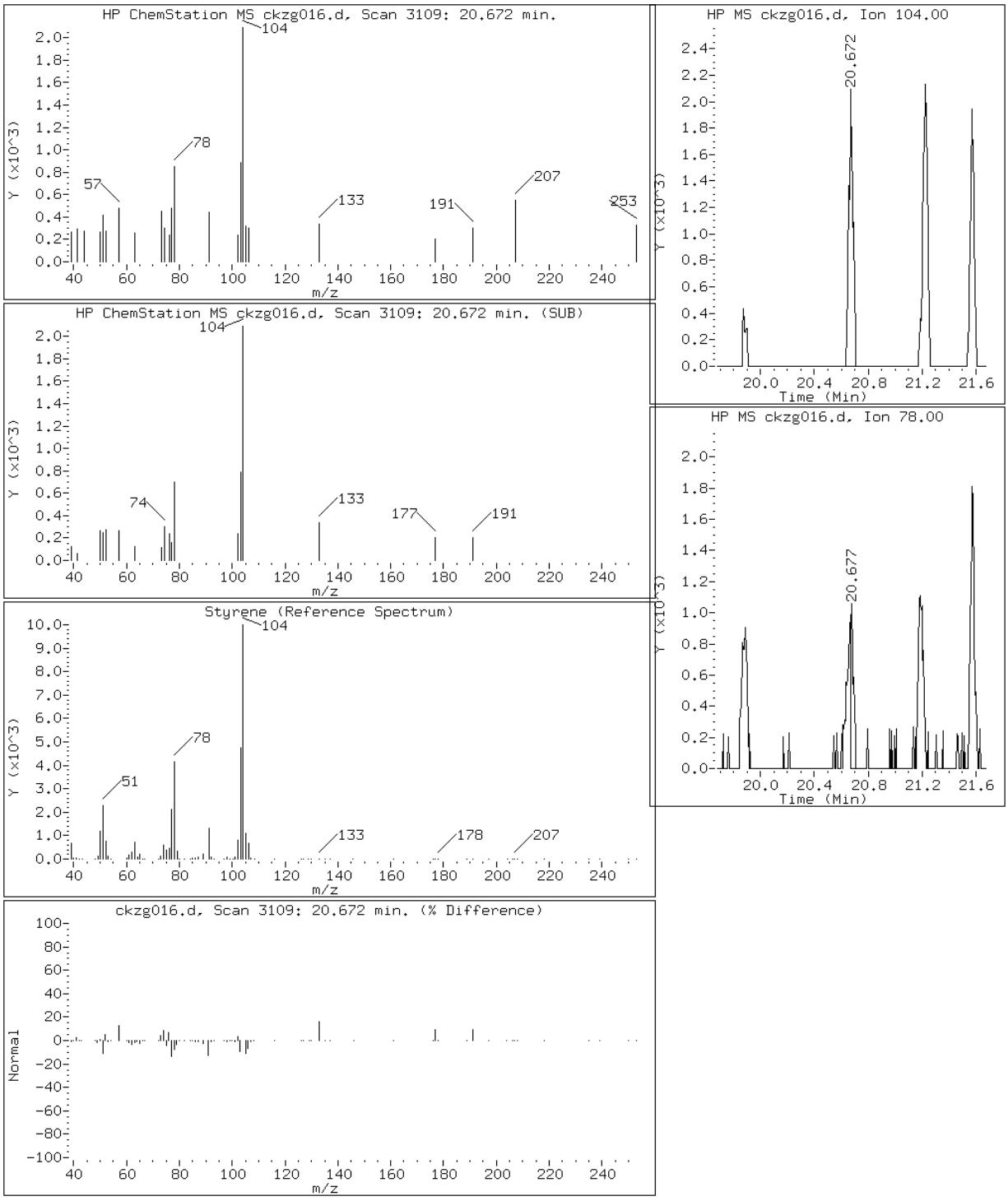
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

72 Styrene



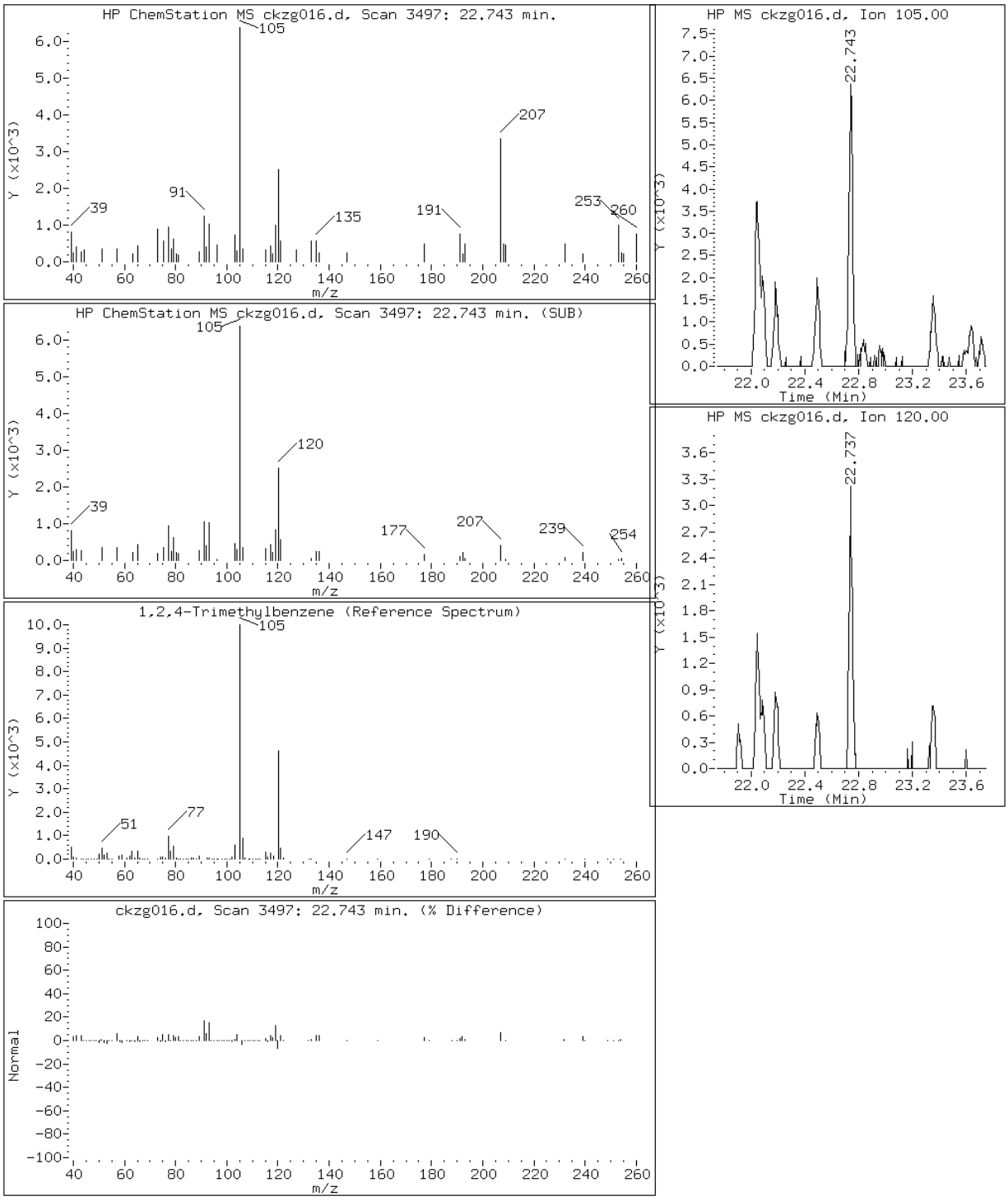
Data File: ckzg016.d

Lab Sample ID: 280-32071-10 Date: 23-AUG-2012 01:05

Client ID: 786VMP0102AG Instrument: C.i

Sample Info: 280-32071-A-10 Operator: pad

84 1,2,4-Trimethylbenzene



Manual Integration Report

Data File: ckzg016.d
Lab Sample ID: 280-32071-10
Inj. Date and Time: 23-AUG-2012 01:05
Instrument ID: C.i
Client ID: 786VMP0102AG
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 08/28/2012

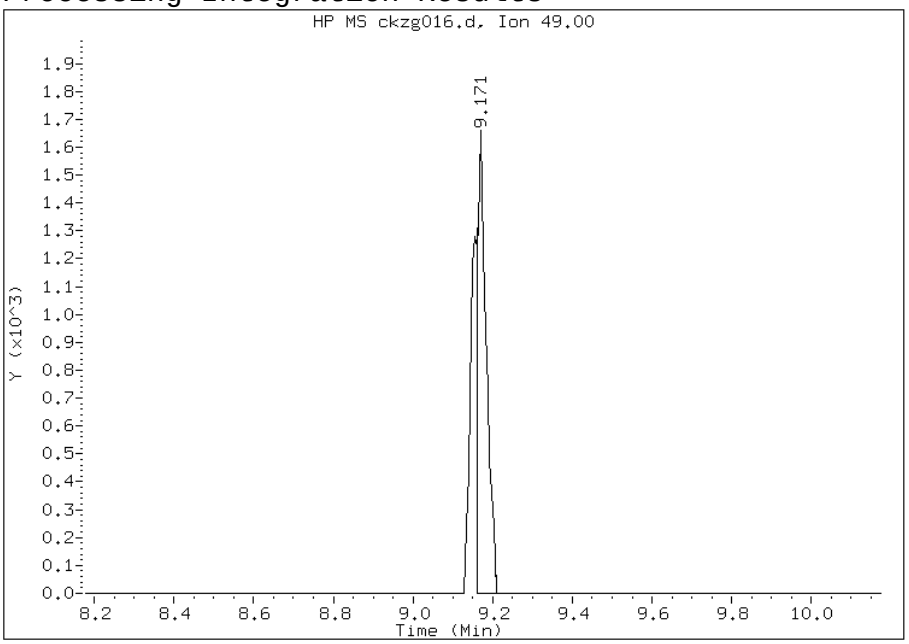
Processing Integration Results

RT: 9.17

Response: 2624

Amount: 0.086028

Conc: 0.086028



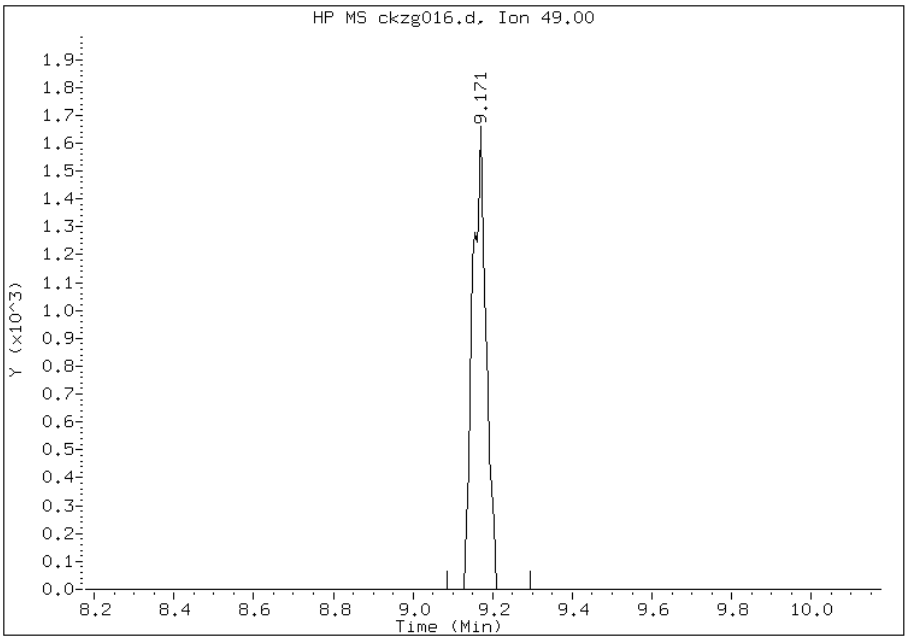
Manual Integration Results

RT: 9.17

Response: 3851

Amount: 0.126255

Conc: 0.126255



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0202AG Lab Sample ID: 280-32071-11

Matrix: Air Lab File ID: ckzg017.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.020
75-45-6	Freon 22	86.47	0.33	J	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.13	J	0.50	0.034
106-97-8	n-Butane	58.12	0.90		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.10	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	11		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	0.61	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.20	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.80		0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.37	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.22		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.6		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	6.3		0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.23	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.39		0.20	0.020
110-82-7	Cyclohexane	84.16	0.11	J	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.083	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.060	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0202AG Lab Sample ID: 280-32071-11

Matrix: Air Lab File ID: ckzg017.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.092	J	0.20	0.017
79-01-6	Trichloroethene	131.39	21		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.19	J	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.18	J	0.50	0.034
108-88-3	Toluene	92.14	1.2		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.12	J	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.21	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.44		0.20	0.015
179601-23-1	m,p-Xylene	106.17	1.7		0.50	0.022
95-47-6	Xylene, o-	106.17	0.38		0.20	0.016
1330-20-7	Xylene (total)	106.17	2.0		0.20	0.016
100-42-5	Styrene	104.15	0.058	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.072	J	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.068	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.24		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0202AG Lab Sample ID: 280-32071-11

Matrix: Air Lab File ID: ckzg017.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.10	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0202AG Lab Sample ID: 280-32071-11

Matrix: Air Lab File ID: ckzg017.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	1.2	J	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.27	J	1.0	0.070
106-97-8	n-Butane	58.12	2.1		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
76-13-1	Freon TF	187.38	0.78	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	26		12	0.95
67-63-0	Isopropyl alcohol	60.10	1.5	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.64	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	2.8		1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	1.1	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.76		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	4.8		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	31		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.67	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	2.1		1.1	0.11
110-82-7	Cyclohexane	84.16	0.38	J	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.53	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.19	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0202AG Lab Sample ID: 280-32071-11

Matrix: Air Lab File ID: ckzg017.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.38	J	0.82	0.070
79-01-6	Trichloroethene	131.39	110		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	1.3	J	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.74	J	2.0	0.14
108-88-3	Toluene	92.14	4.4		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.82	J	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.84	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	1.9		0.87	0.065
179601-23-1	m,p-Xylene	106.17	7.2		2.2	0.096
95-47-6	Xylene, o-	106.17	1.6		0.87	0.069
1330-20-7	Xylene (total)	106.17	8.8		0.87	0.069
100-42-5	Styrene	104.15	0.25	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.36	J	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.33	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	1.2		0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0202AG Lab Sample ID: 280-32071-11

Matrix: Air Lab File ID: ckzg017.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 01:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.53	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-11
Client Smp ID: 786VMP0202AG
Inj Date : 23-AUG-2012 01:59
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-11
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	42939	0.48669	0.49(a)
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	14465	0.32534	0.33(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.795	4.811	(0.397)	3160	0.12844	0.13(a)
6 Butane	43	5.067	5.078	(0.419)	39102	0.89854	0.90
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.566)	22649	0.24342	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.024	8.034	(0.664)	6615	0.10168	0.10(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.258	8.269	(0.683)	381610	10.7857	11

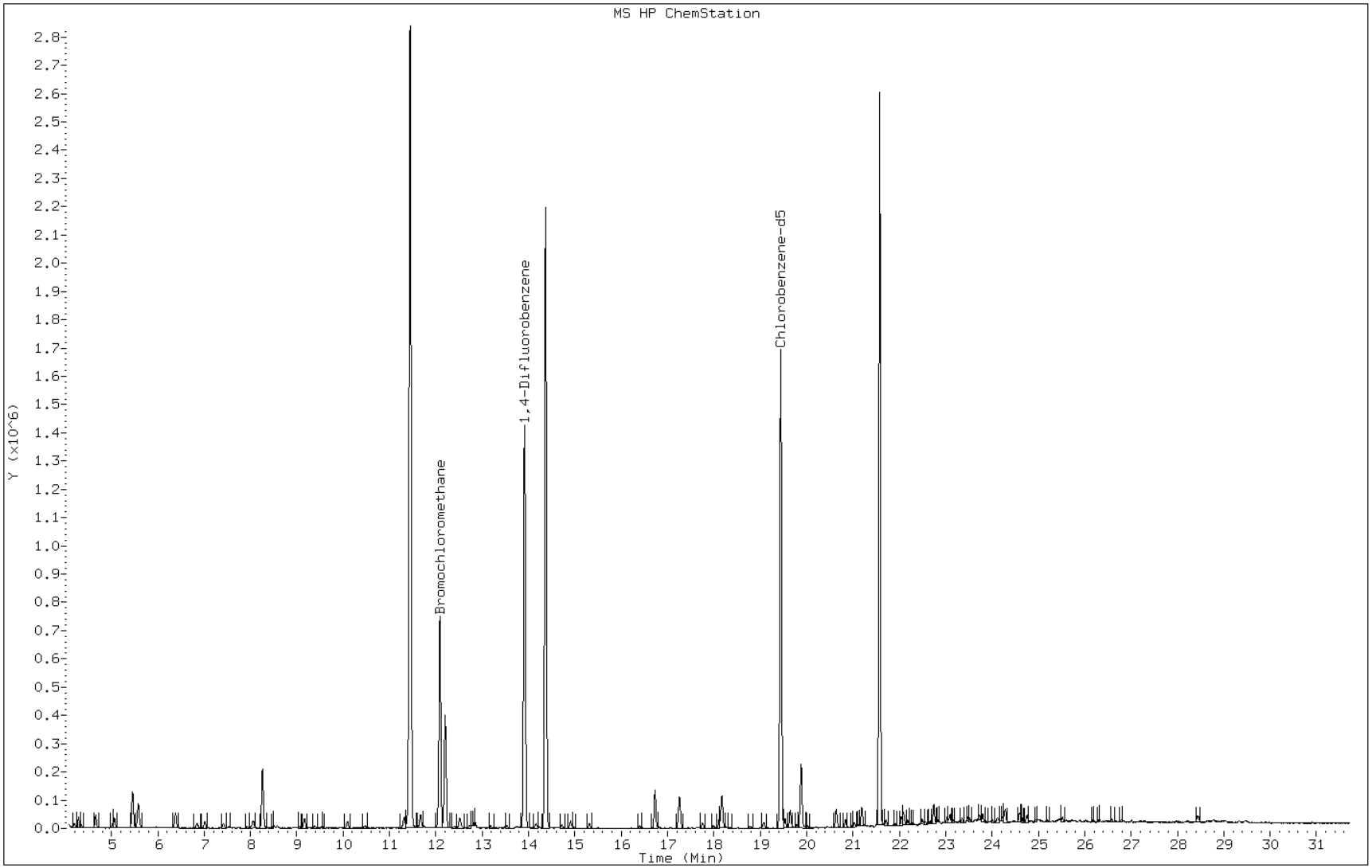
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	17496	0.20399	0.20(a)
	22 Isopropanol	45	8.584	8.573	(0.710)	15277	0.61456	0.61(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.160	9.177	(0.758)	24267	0.80402	0.80
	26 Tert-butyl alcohol	59	9.395	9.390	(0.777)	13878	0.36703	0.37(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	10551	0.21697	0.22(Q)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	21686	1.61310	1.6(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	321324	10.0000	
	38 Tetrahydrofuran	42	12.149	12.139	(0.873)	6330	0.22742	0.23(a)
	39 Chloroform	83	12.202	12.213	(1.010)	453386	6.31630	6.3
	40 Cyclohexane	84	12.528	12.544	(0.900)	5497	0.11068	0.11(aQ)
	41 1,1,1-Trichloroethane	97	12.517	12.528	(0.900)	31373	0.38818	0.39
	42 Carbon tetrachloride	117	12.779	12.784	(0.918)	7124	0.08349	0.083(a)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.190	13.190	(0.948)	6335	0.06041	0.060(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.537	13.542	(0.973)	5123	0.09178	0.092(a)
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1770581	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	1043949	21.1531	21
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	15.314	15.319	(1.100)	14818	0.19201	0.19(a)
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	8892	0.17960	0.18(a)
	58 Toluene	92	16.728	16.734	(0.861)	92911	1.17696	1.2
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.758	17.764	(0.914)	9028	0.12130	0.12(a)
	62 2-Hexanone	43	17.988	17.993	(0.925)	9436	0.20521	0.21(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1646667	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.642	19.653	(1.010)	73689	0.44378	0.44
	69 Xylene (m,p)	106	19.882	19.893	(1.023)	114709	1.65819	1.7
M	70 Xylenes, Total	106				139849	2.03355	2.0
	71 Xylene (o)	106	20.635	20.646	(1.061)	25140	0.37537	0.38
	72 Styrene	104	20.677	20.678	(1.064)	5490	0.05796	0.058(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	13502	0.07239	0.072(a)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	10920	0.06751	0.068(a)
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	36999	0.23642	0.24
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	9250	0.10166	0.10(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzg017.d	Date:	23-AUG-2012 01:59
Client ID:	786VMP0202AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-11		
Lab Sample ID:	280-32071-11		



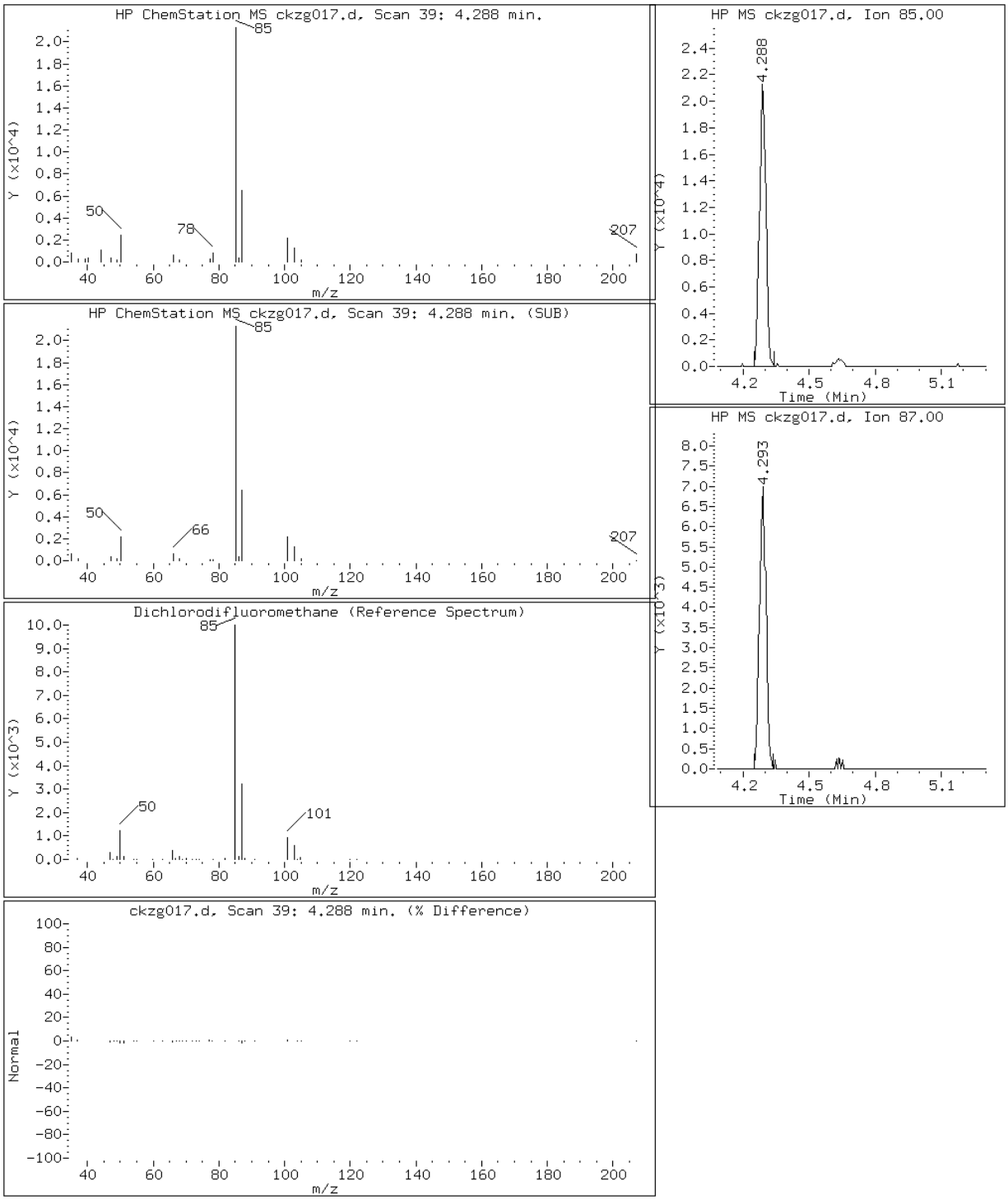
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

2 Dichlorodifluoromethane



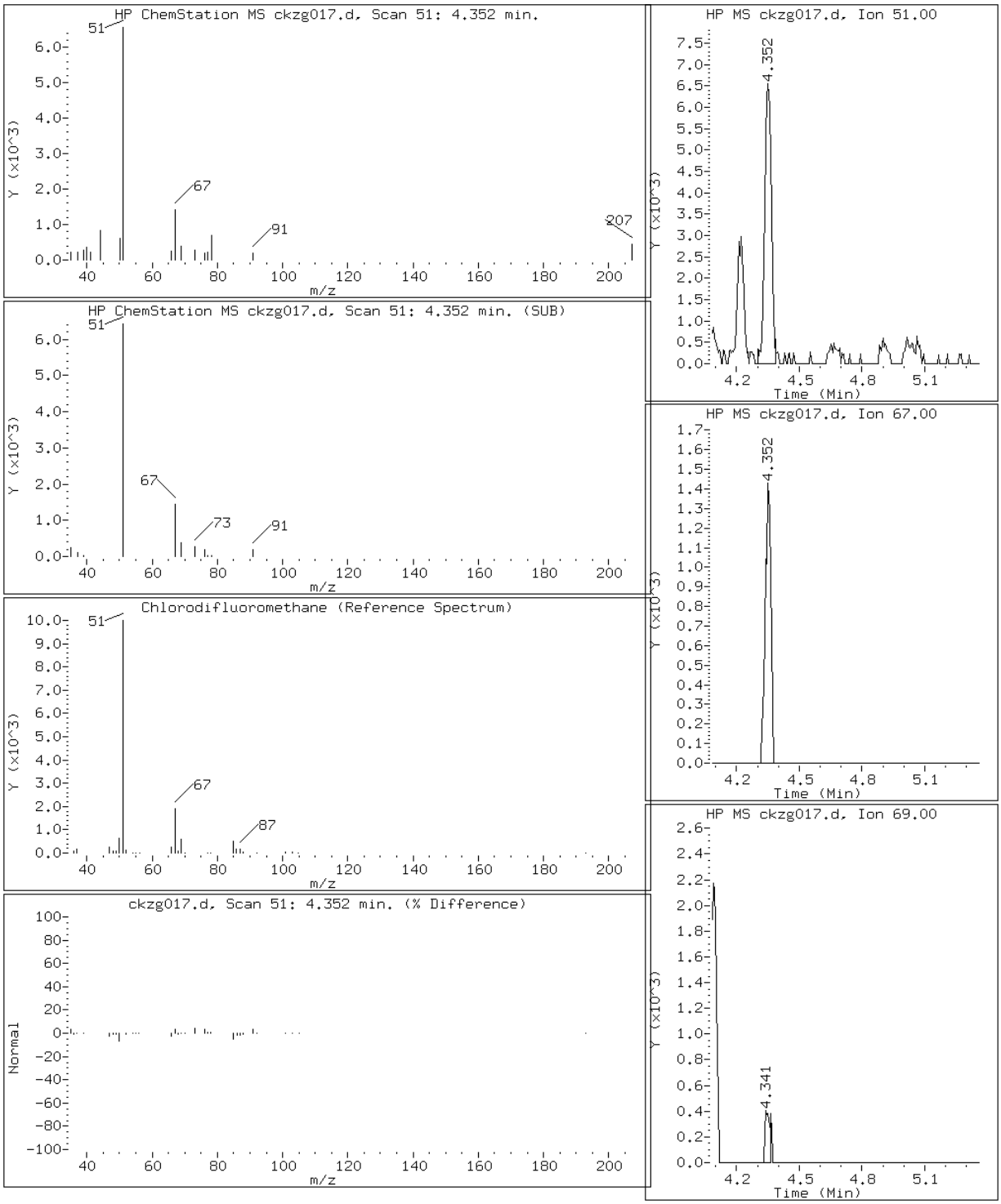
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

3 Chlorodifluoromethane



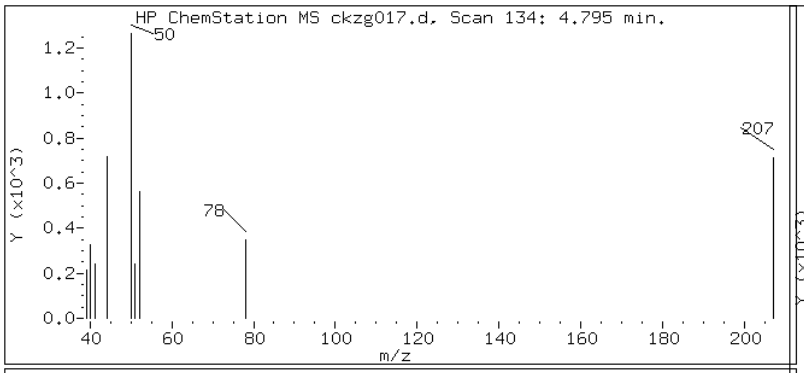
Data File: ckzg017.d

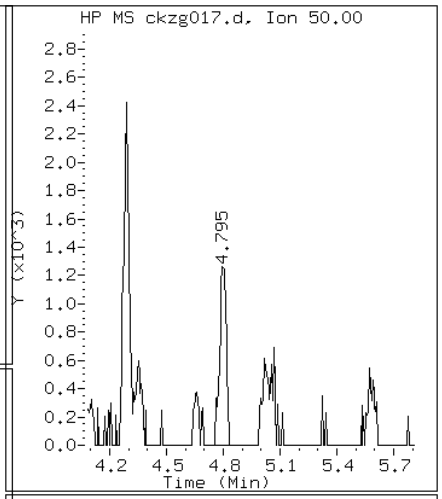
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

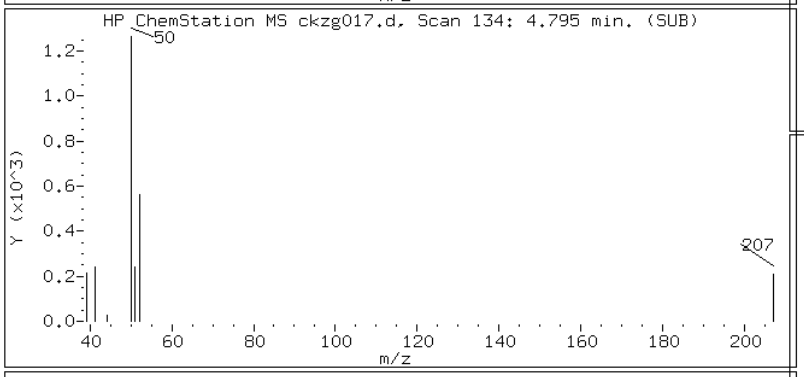
Client ID: 786VMP0202AG Instrument: C.i

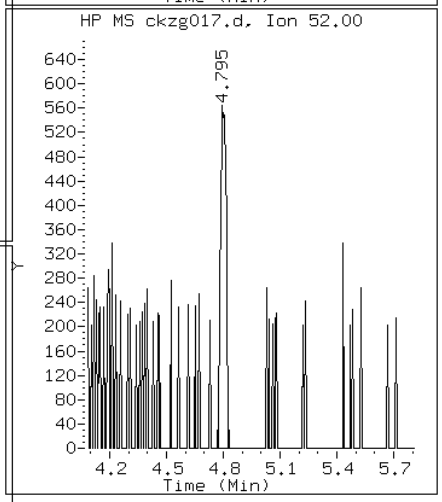
Sample Info: 280-32071-A-11 Operator: pad

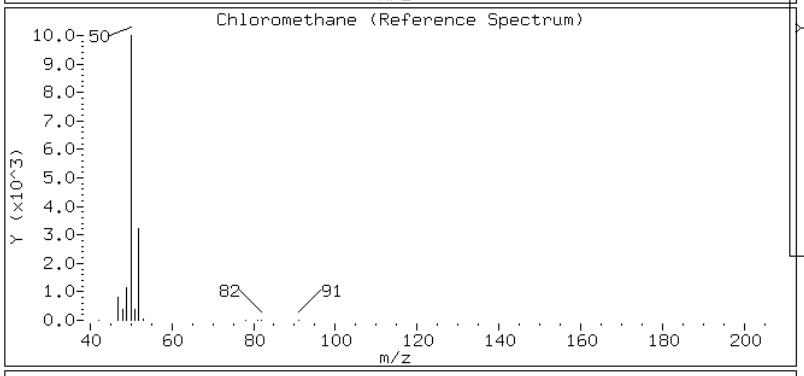
5 Chloromethane

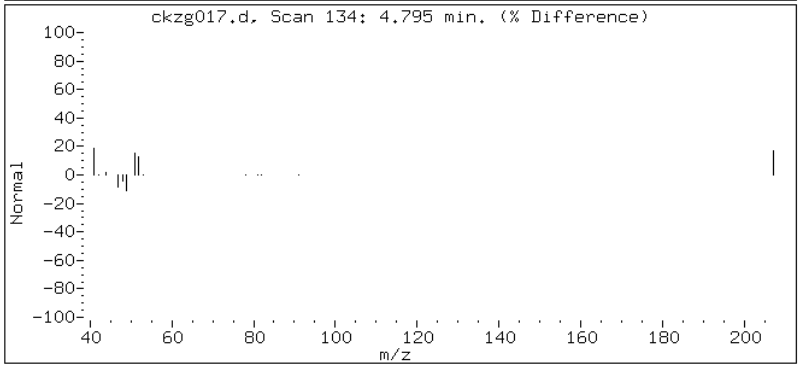












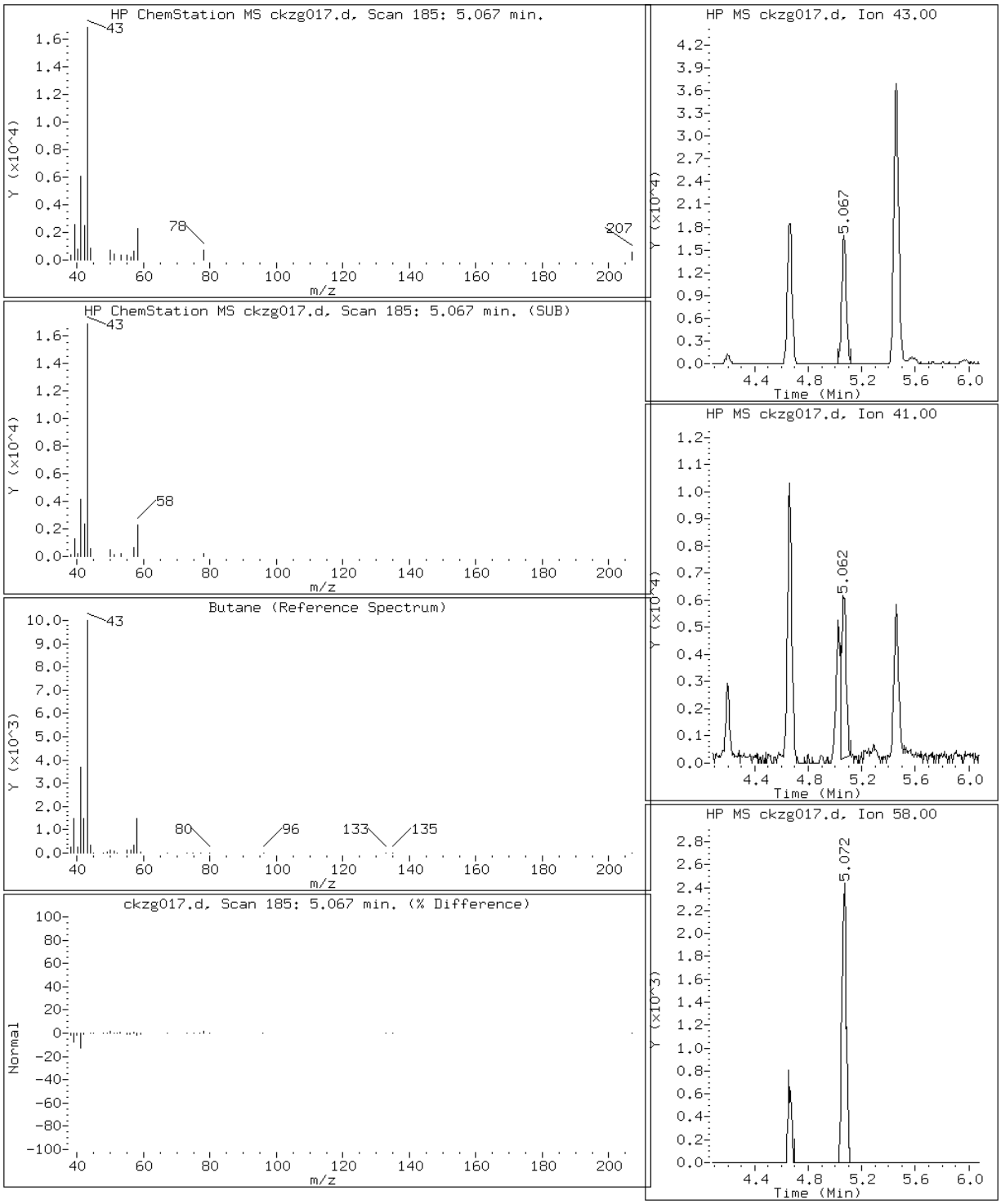
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

6 Butane



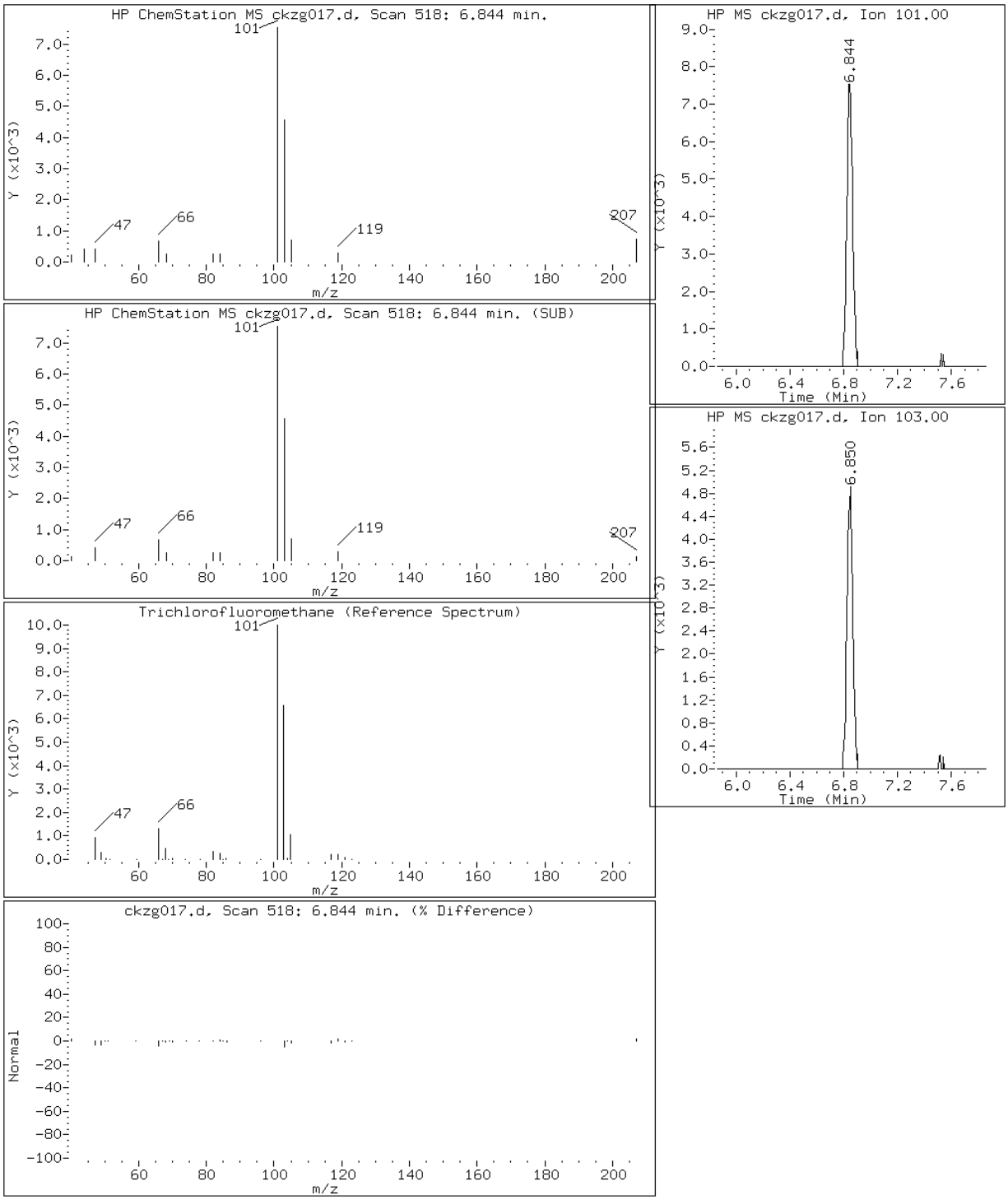
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

13 Trichlorofluoromethane



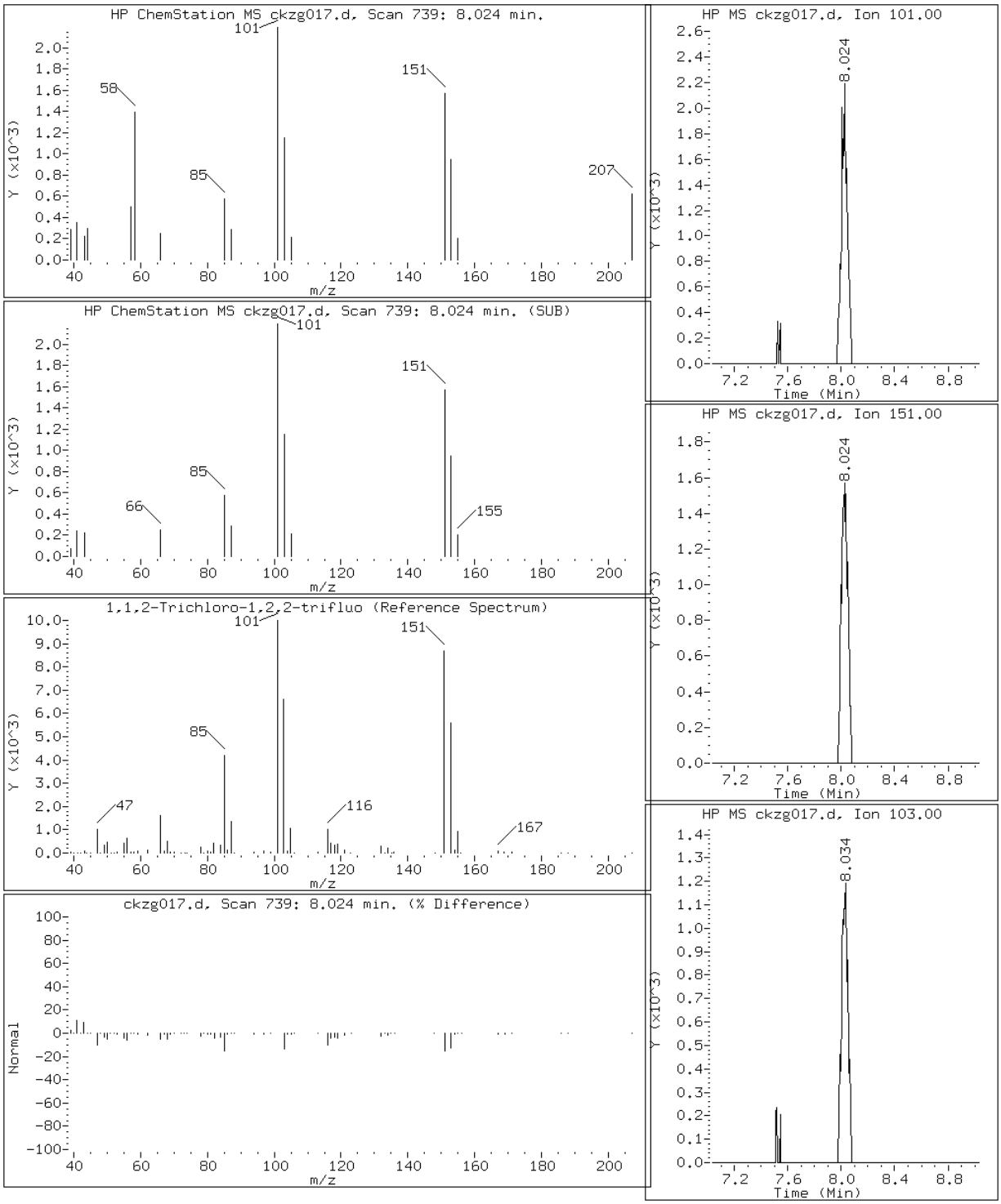
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



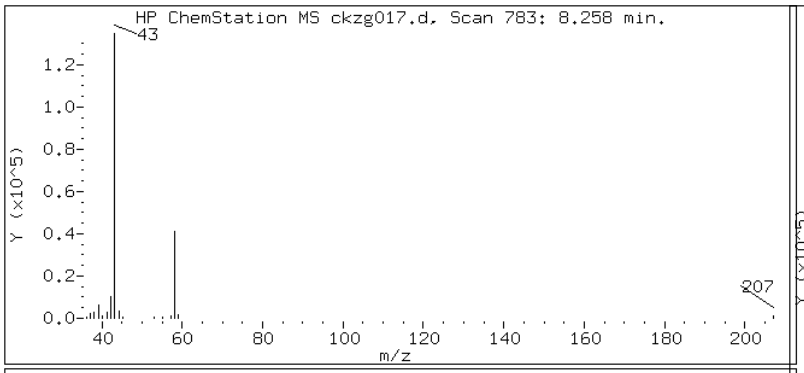
Data File: ckzg017.d

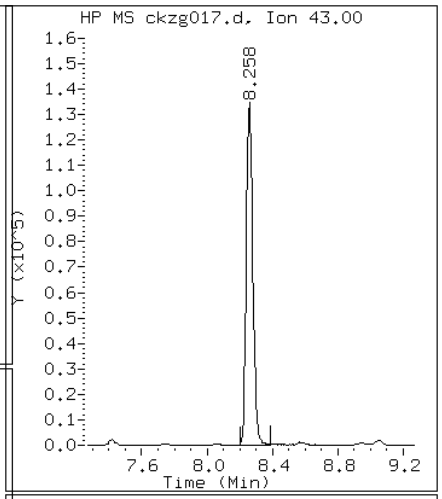
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

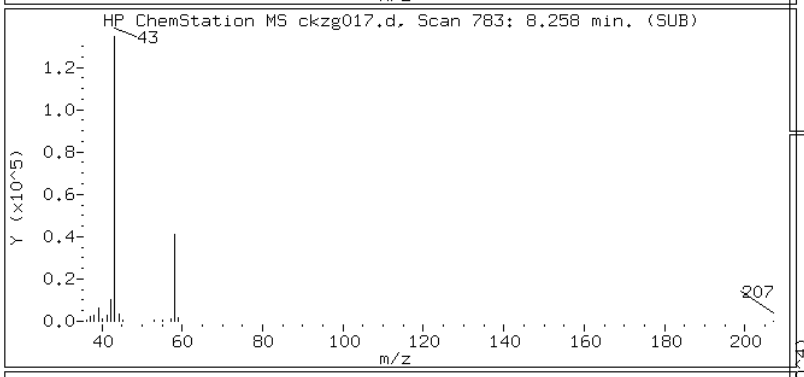
Client ID: 786VMP0202AG Instrument: C.i

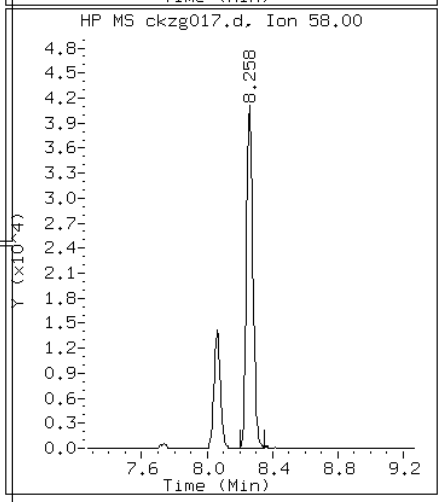
Sample Info: 280-32071-A-11 Operator: pad

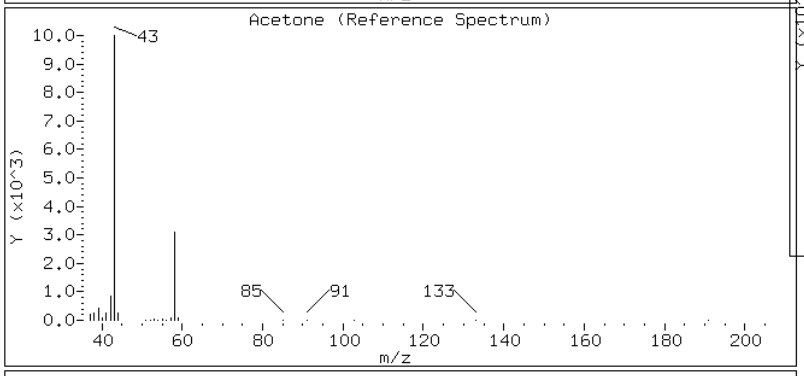
20 Acetone

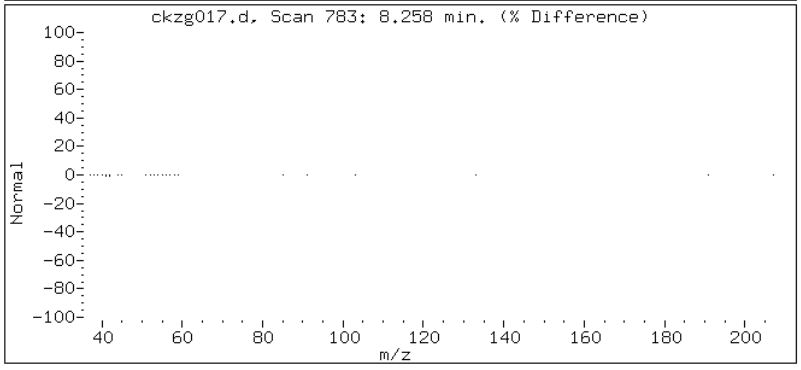












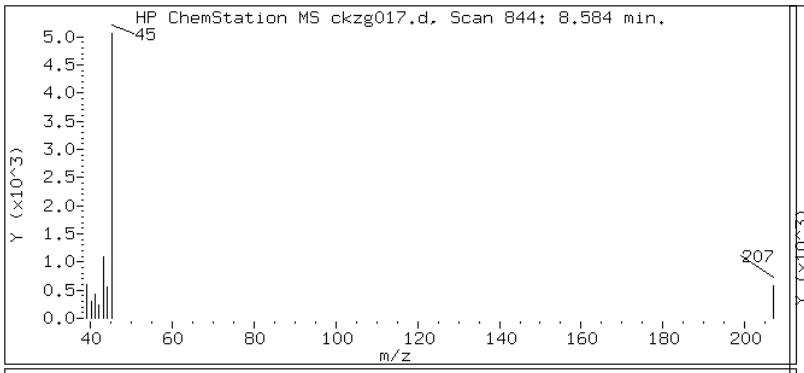
Data File: ckzg017.d

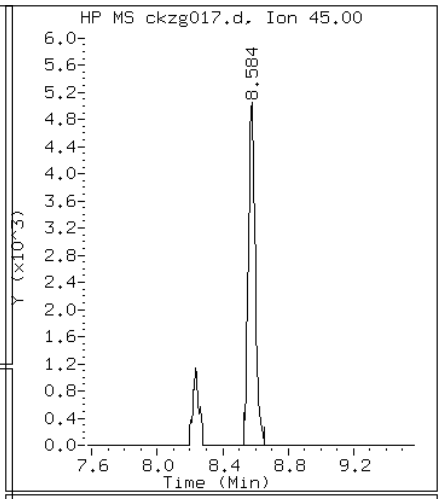
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

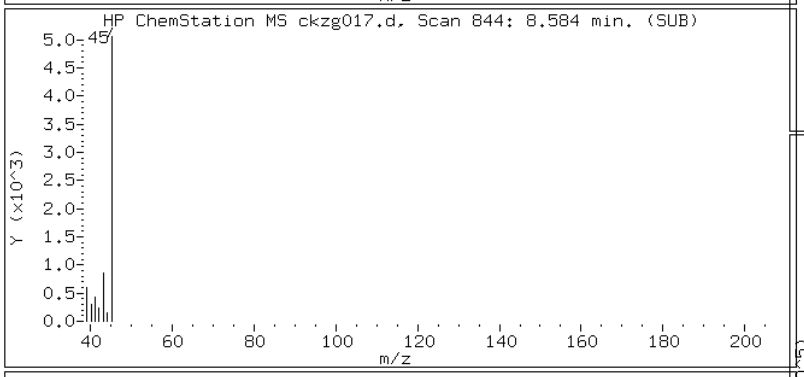
Client ID: 786VMP0202AG Instrument: C.i

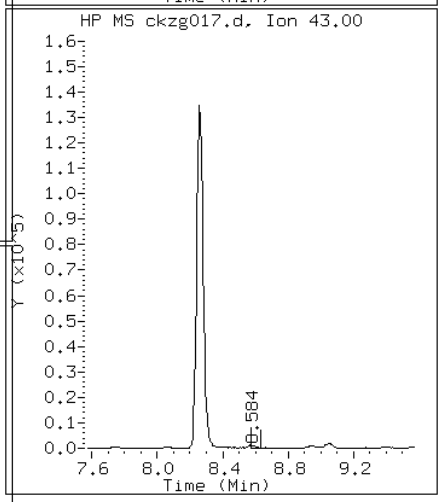
Sample Info: 280-32071-A-11 Operator: pad

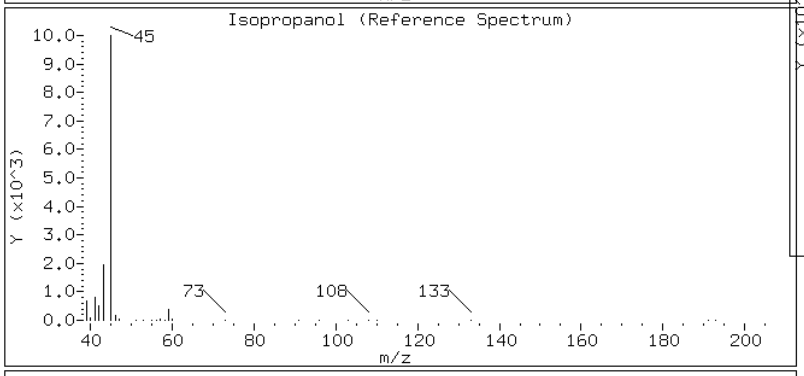
22 Isopropanol

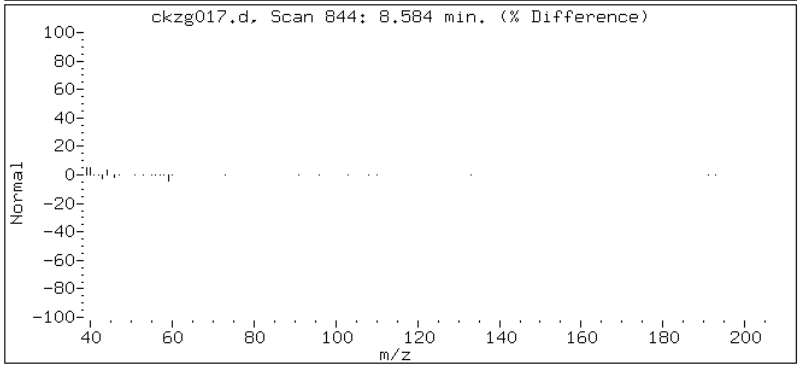












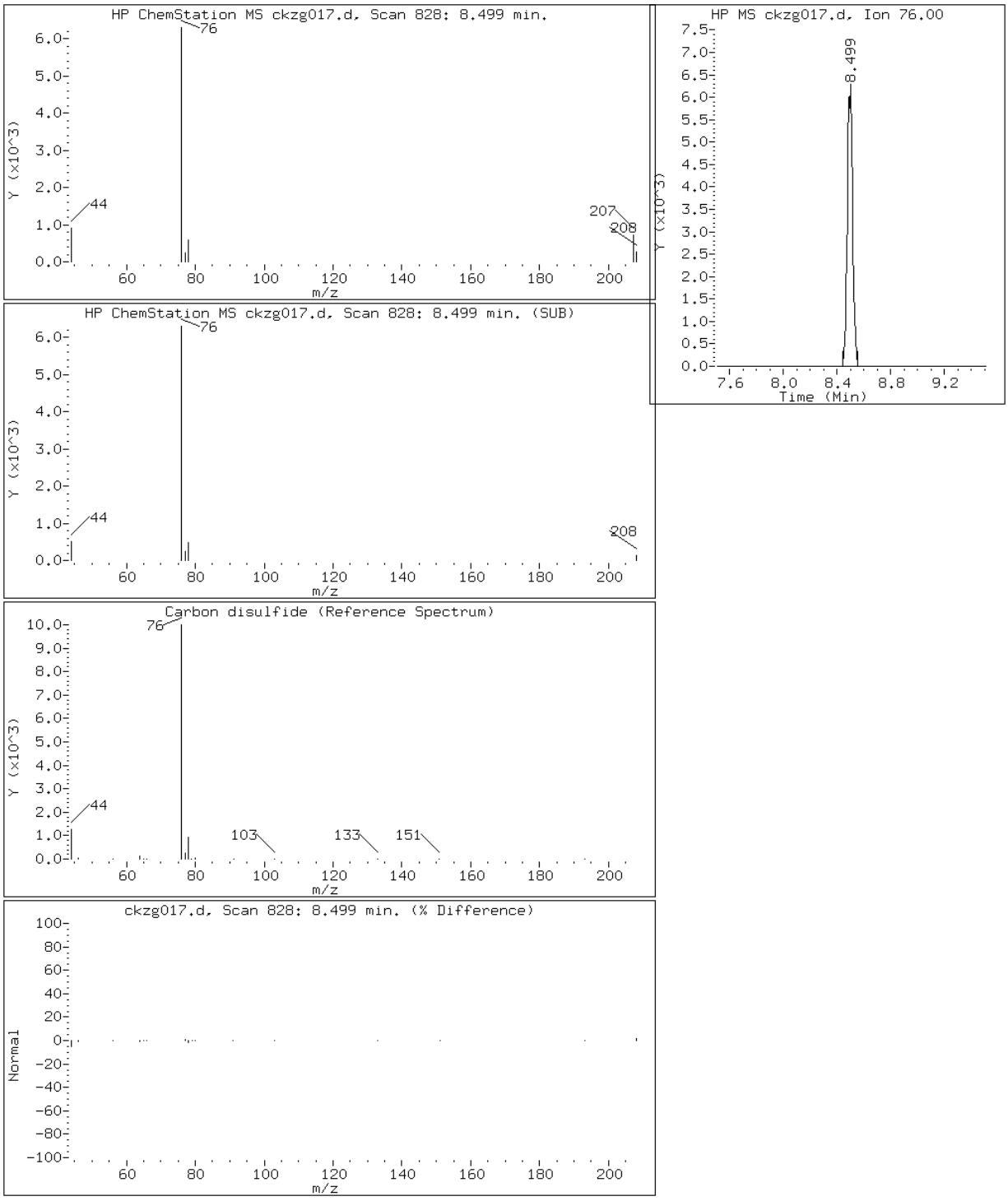
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

21 Carbon disulfide



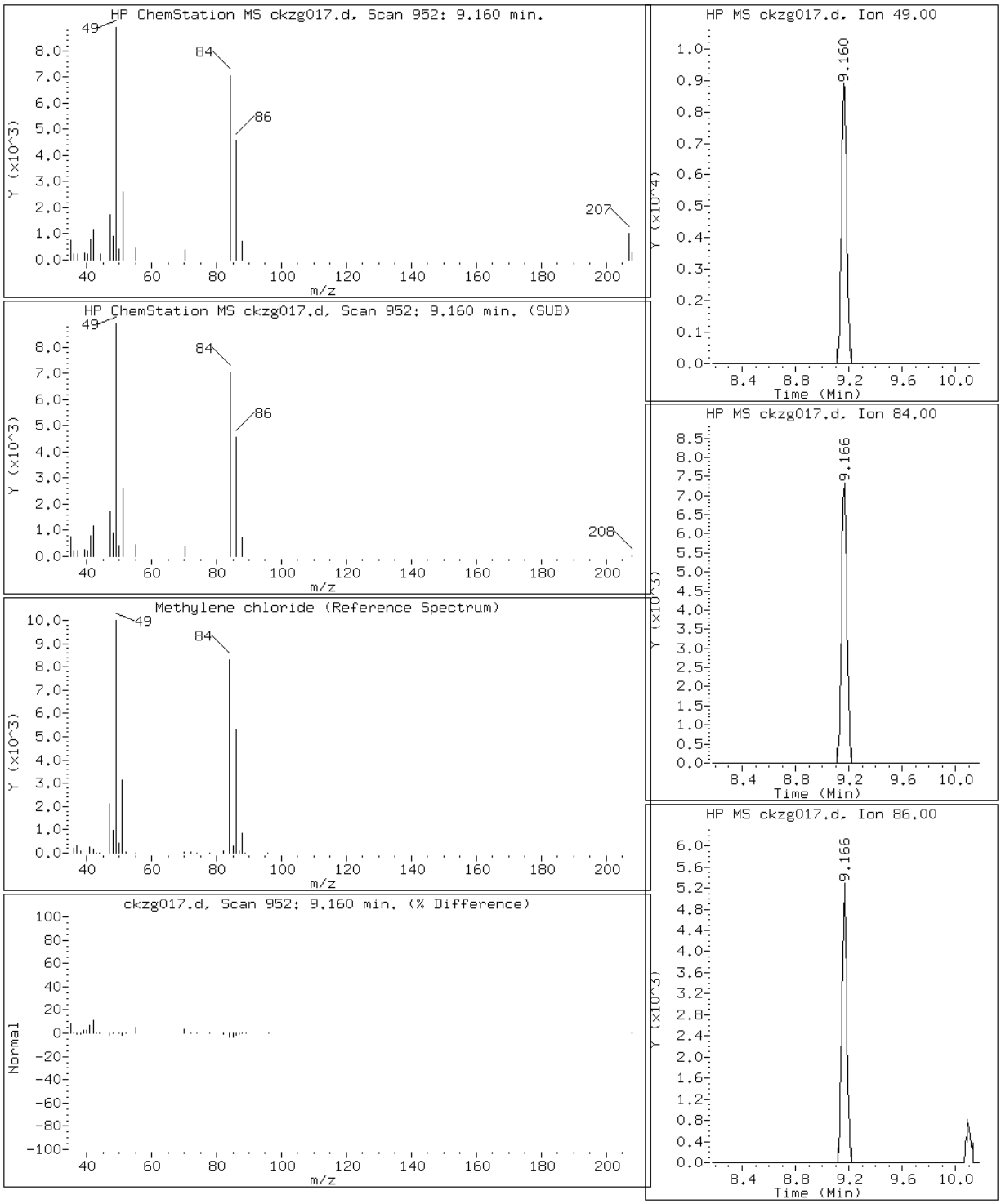
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

25 Methylene chloride



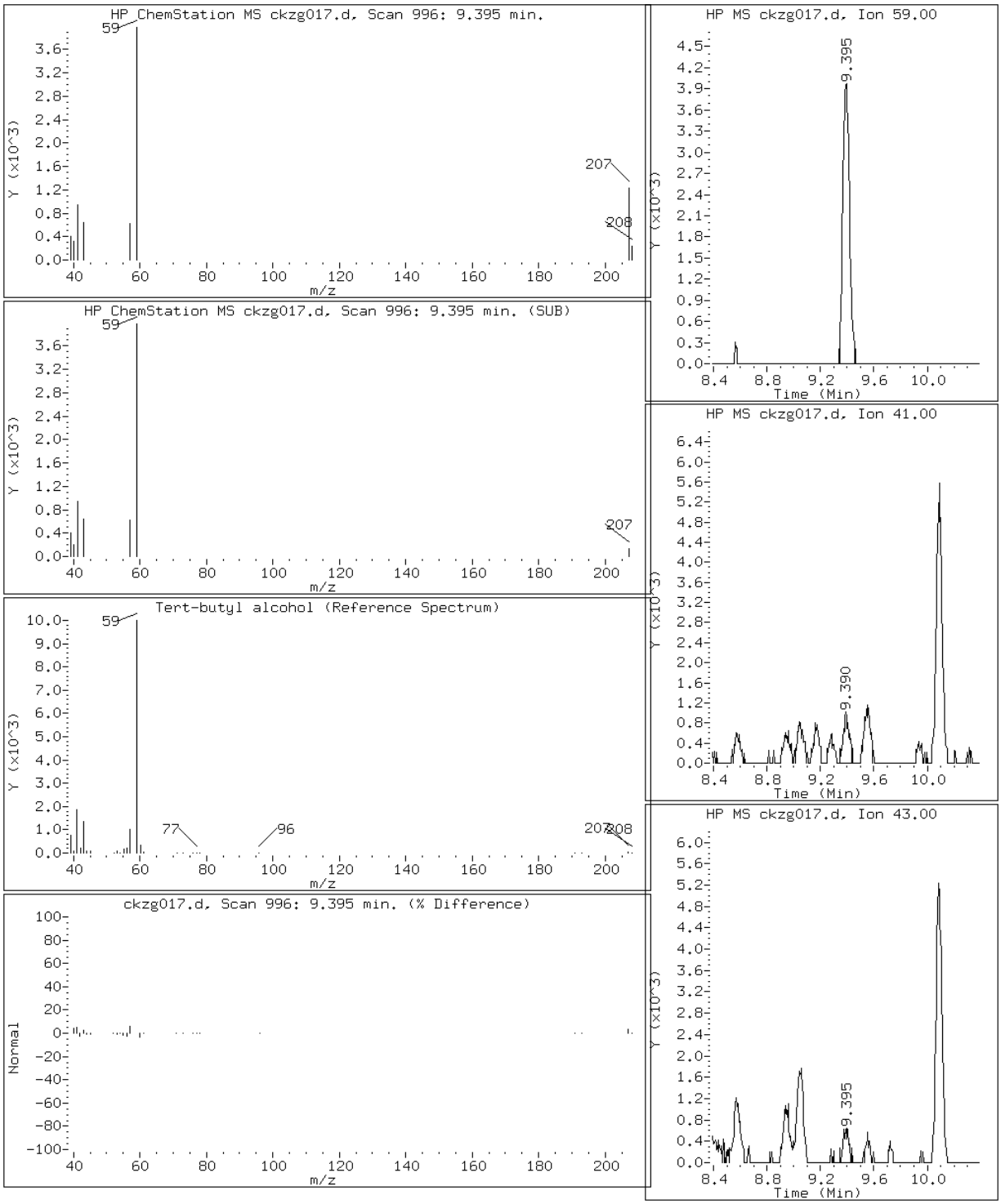
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

26 Tert-butyl alcohol



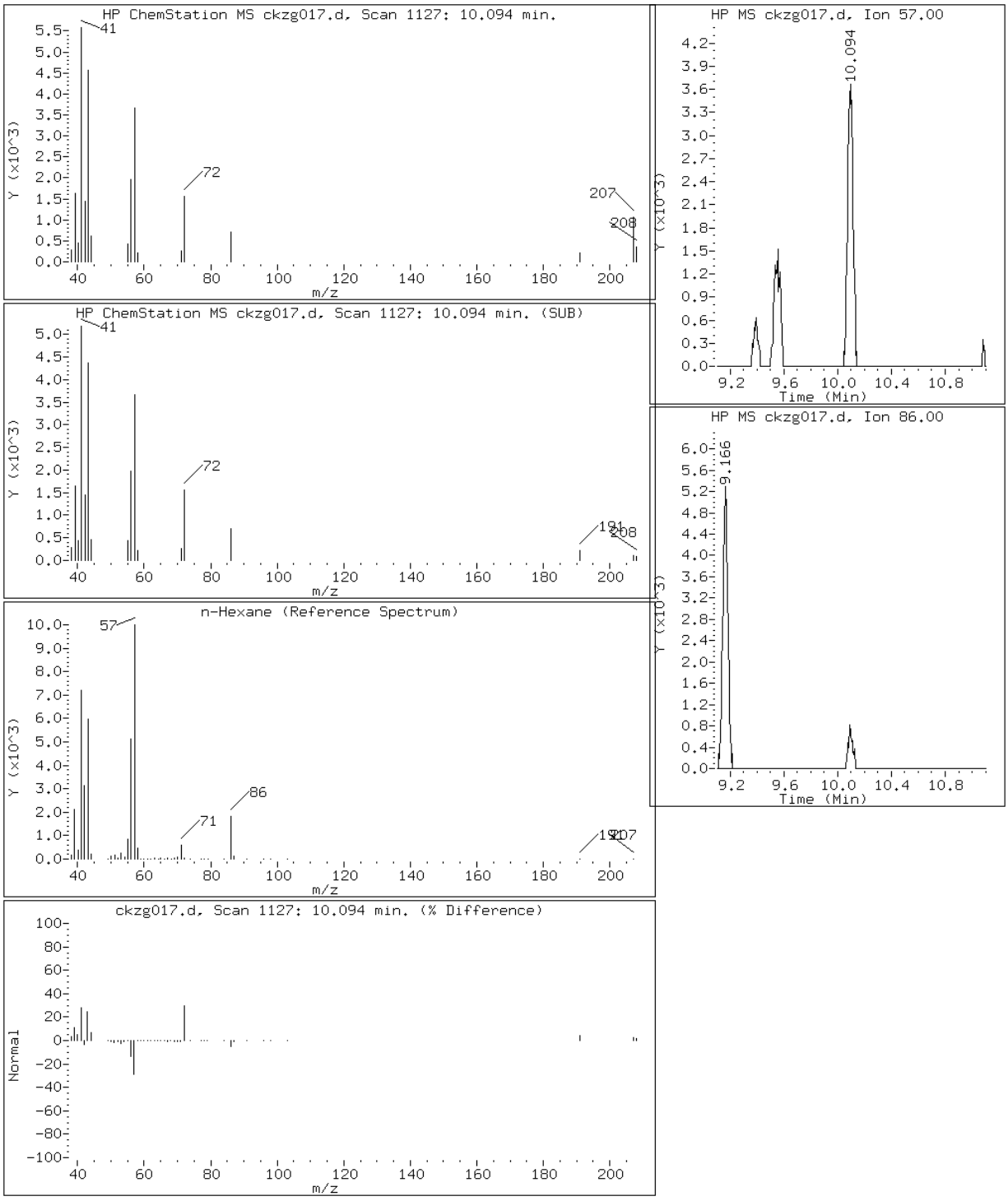
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

30 n-Hexane



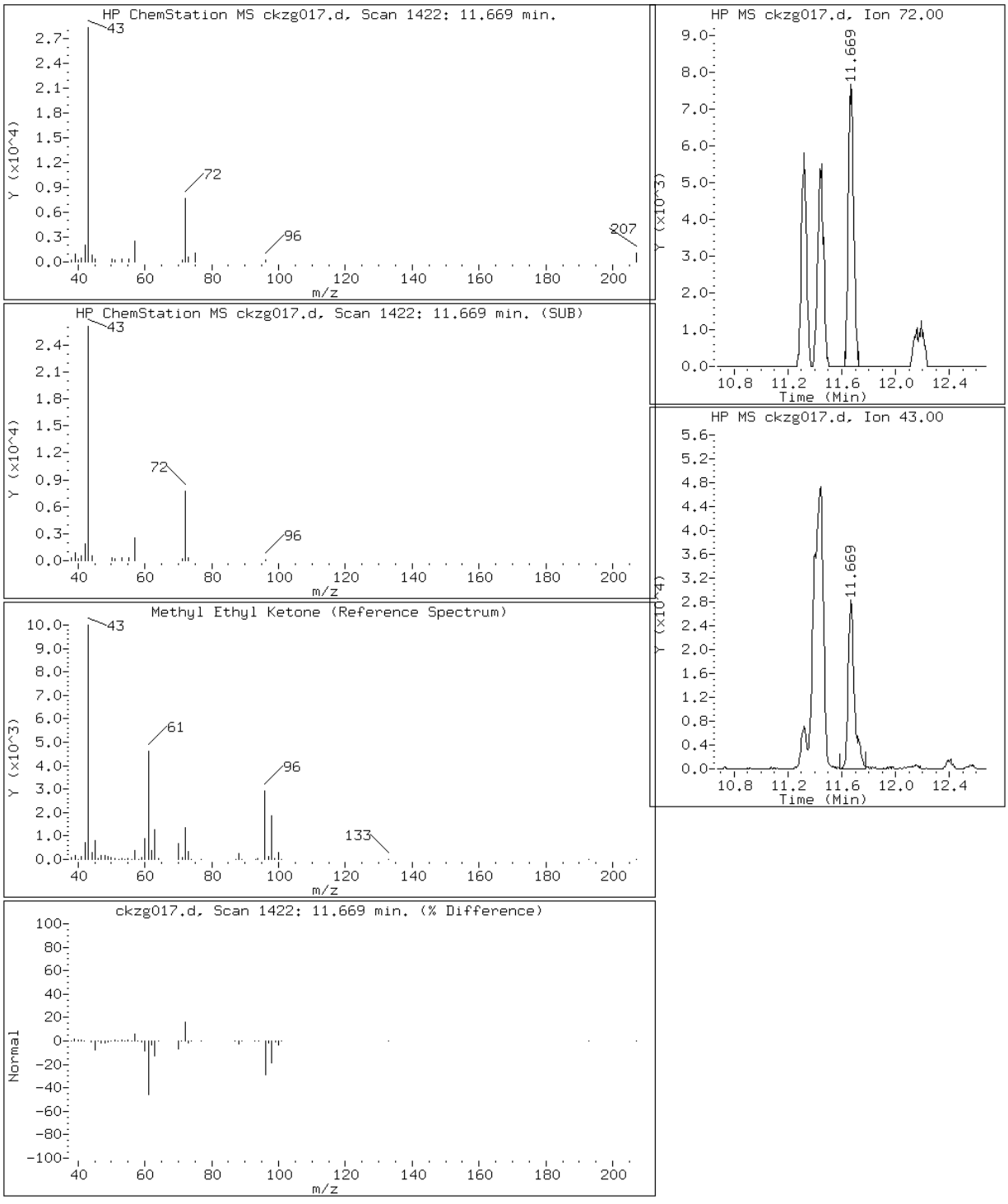
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

36 Methyl Ethyl Ketone



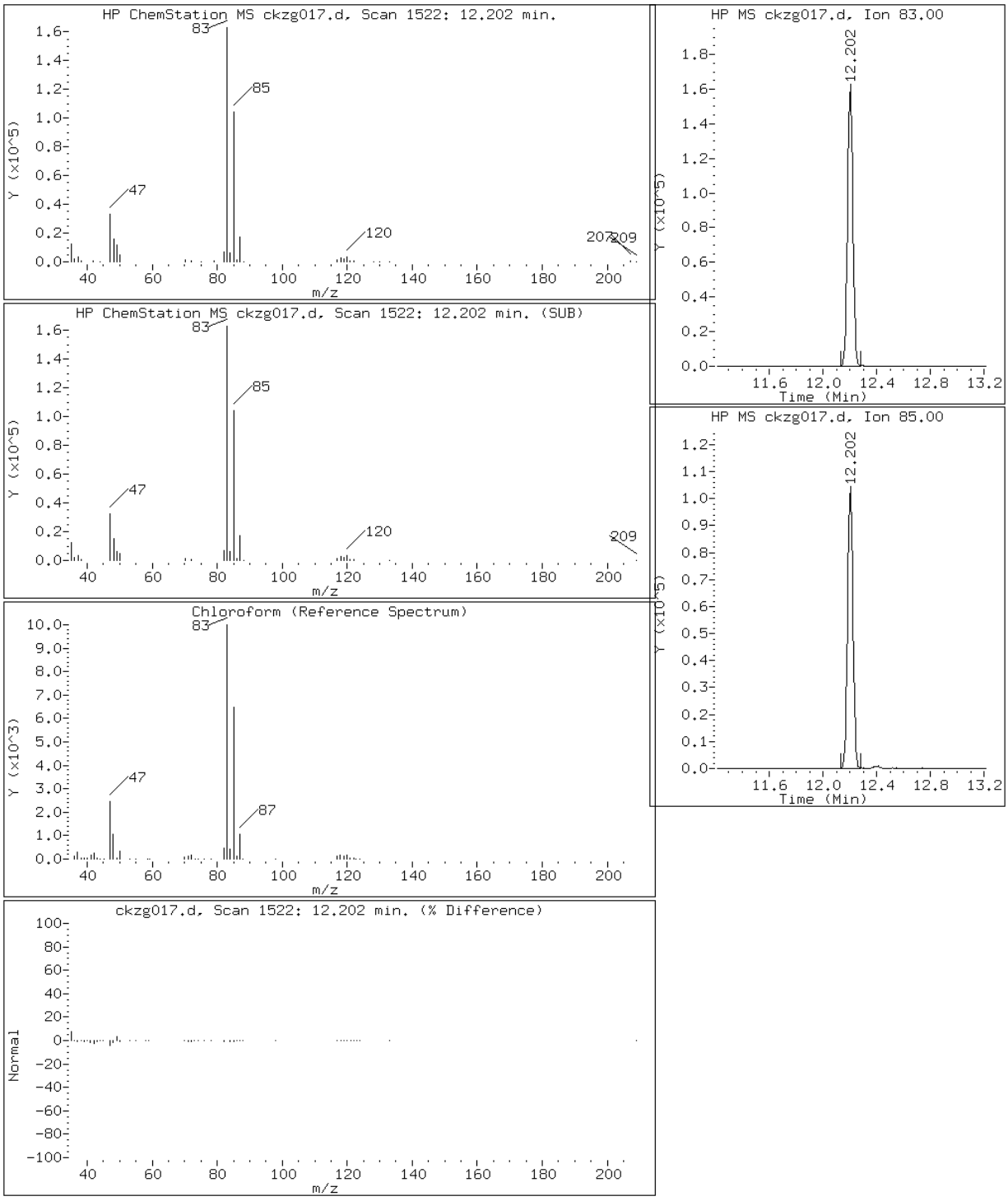
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

39 Chloroform



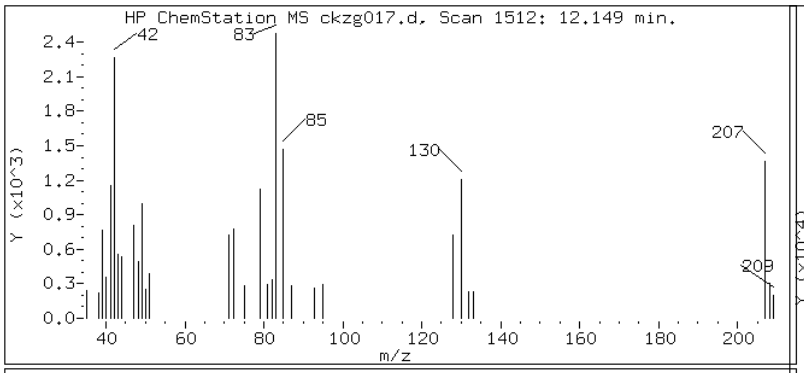
Data File: ckzg017.d

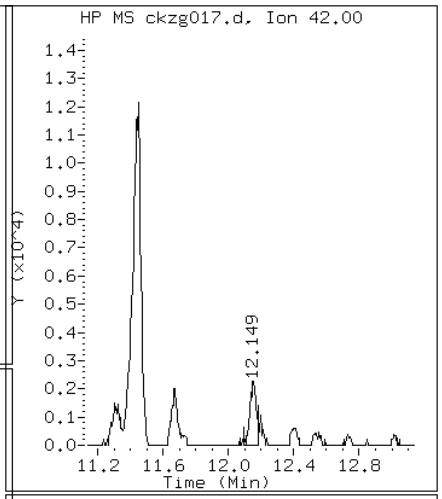
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

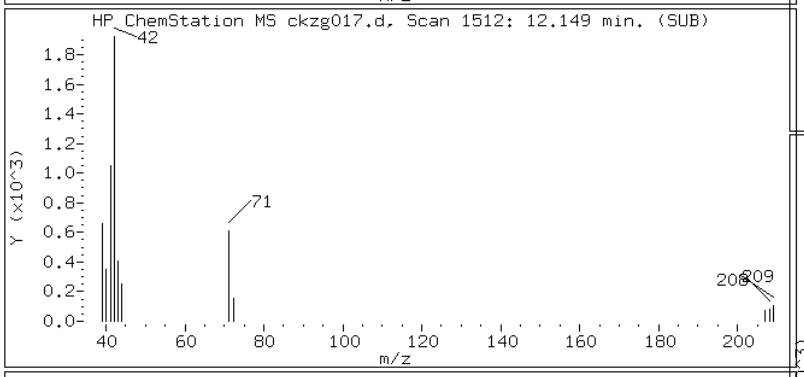
Client ID: 786VMP0202AG Instrument: C.i

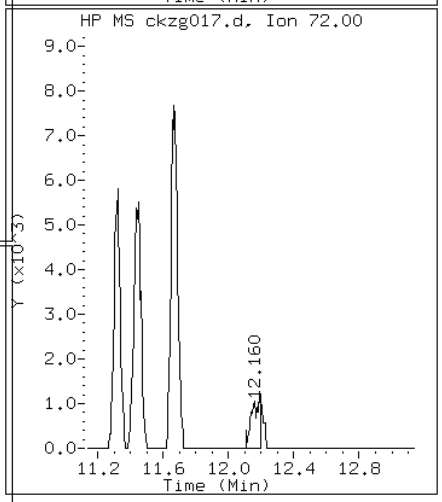
Sample Info: 280-32071-A-11 Operator: pad

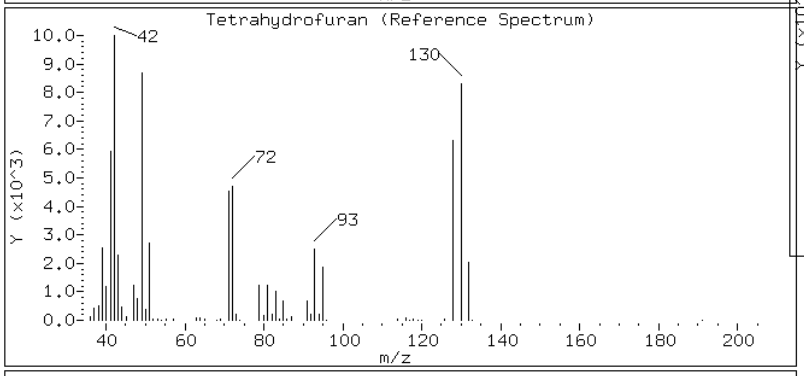
38 Tetrahydrofuran

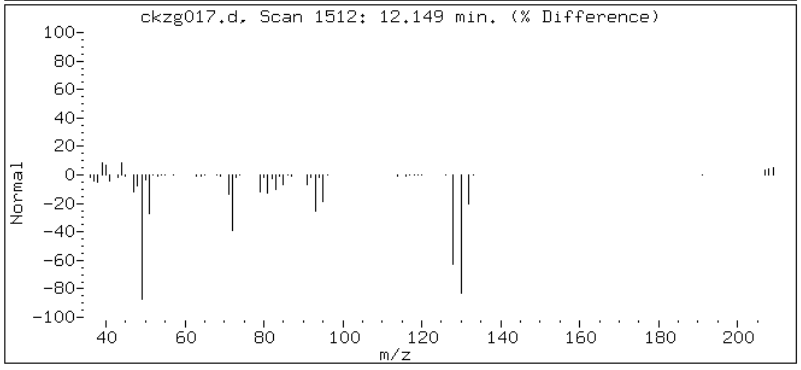












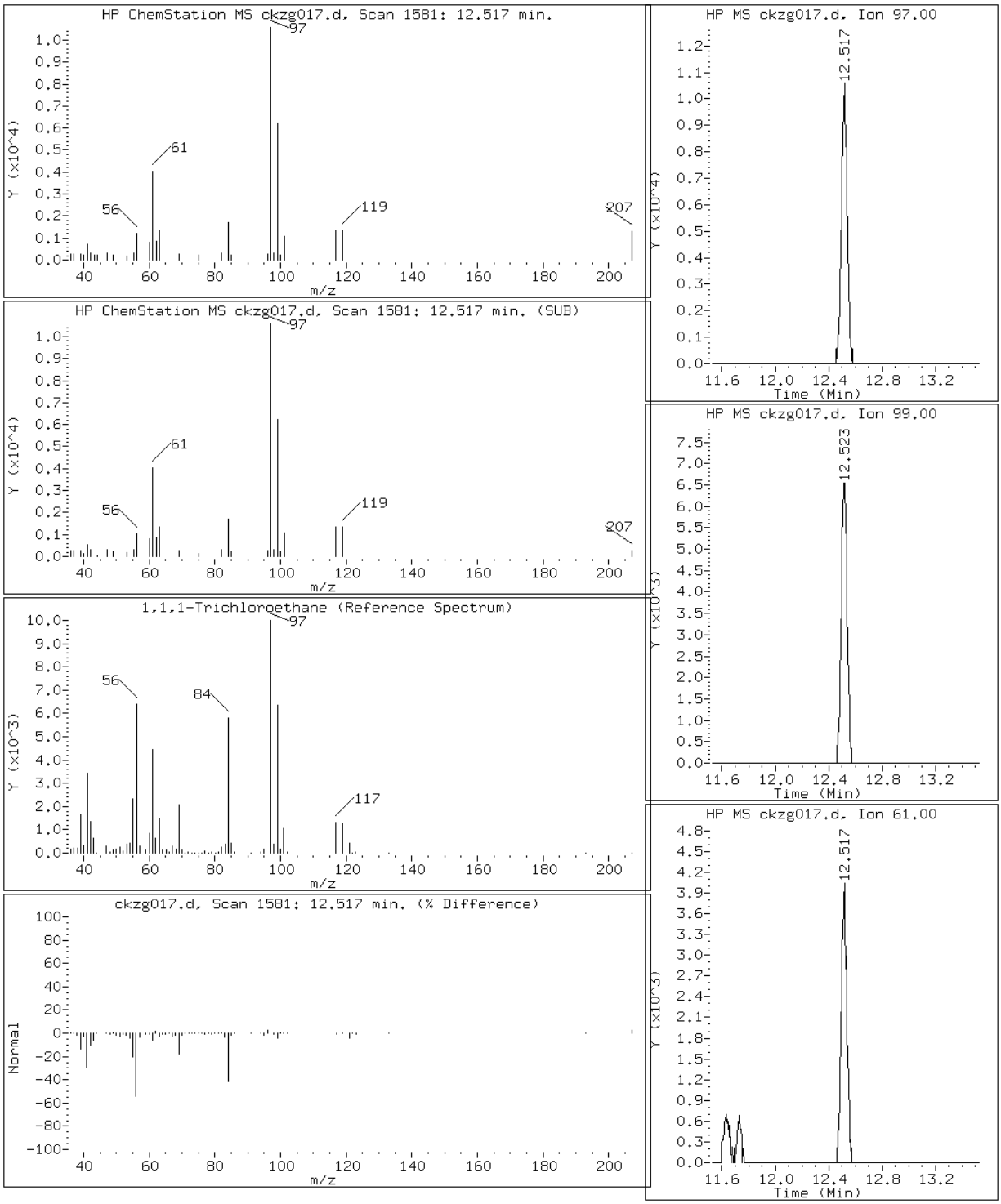
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

41 1,1,1-Trichloroethane



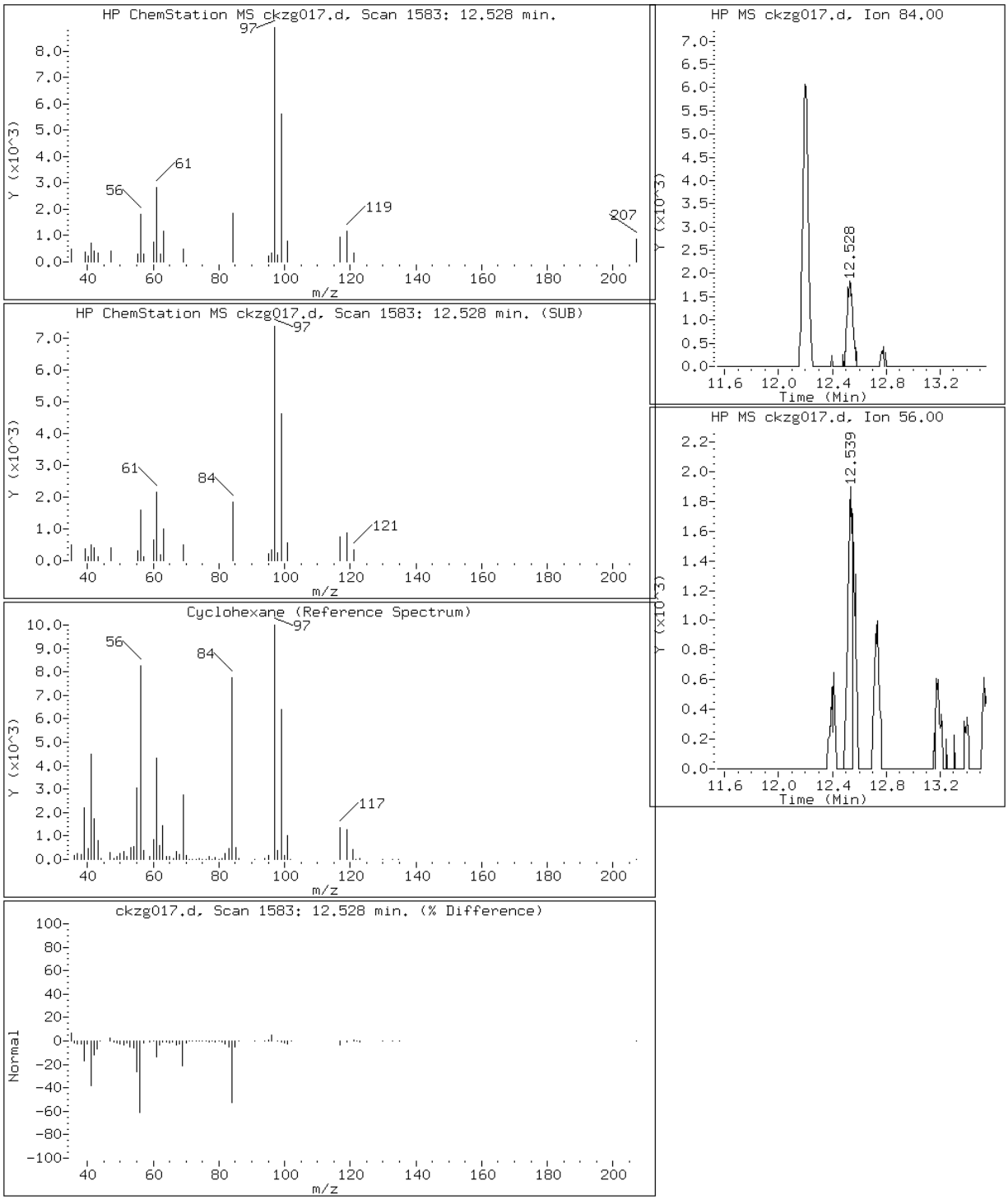
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

40 Cyclohexane



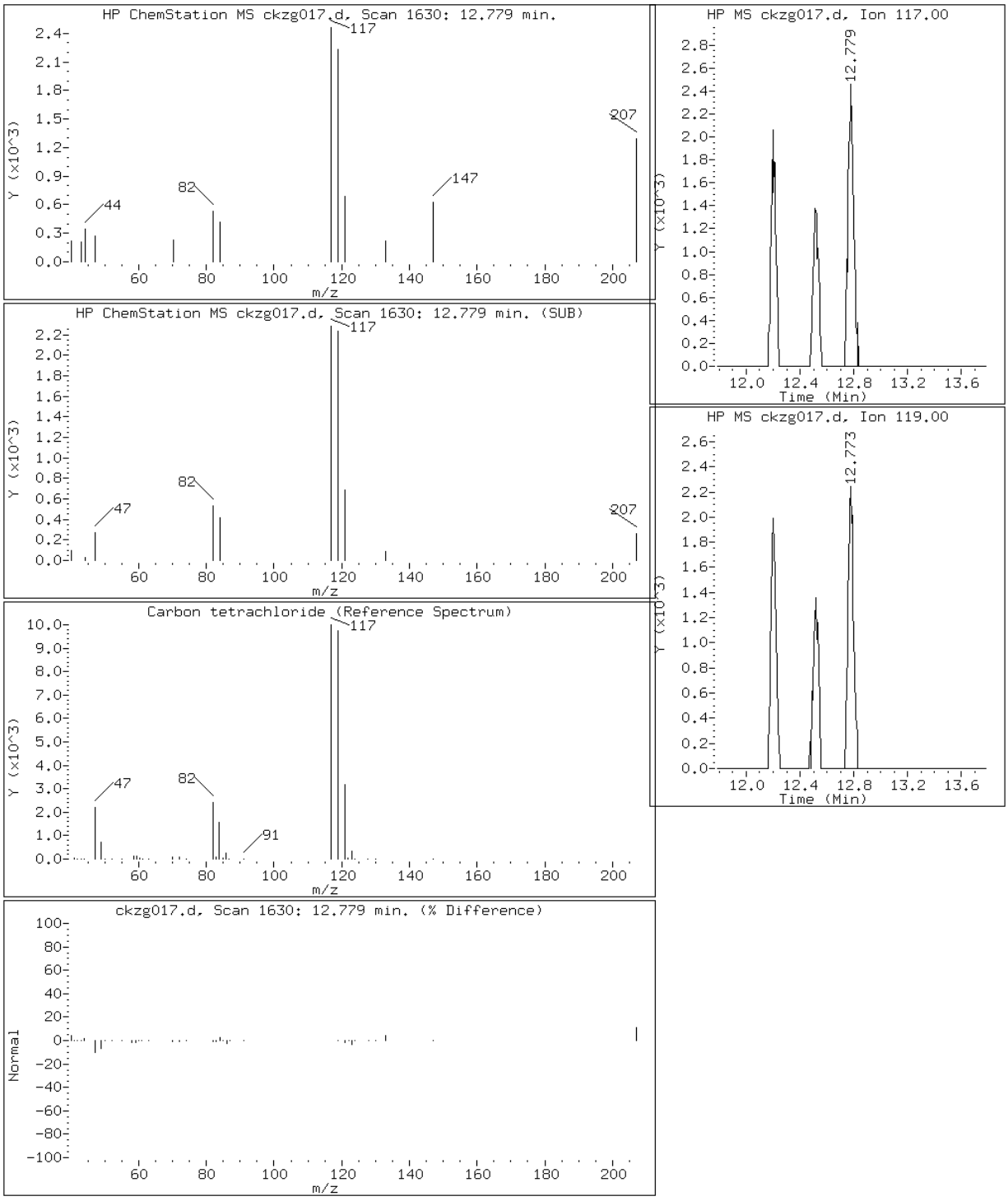
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

42 Carbon tetrachloride



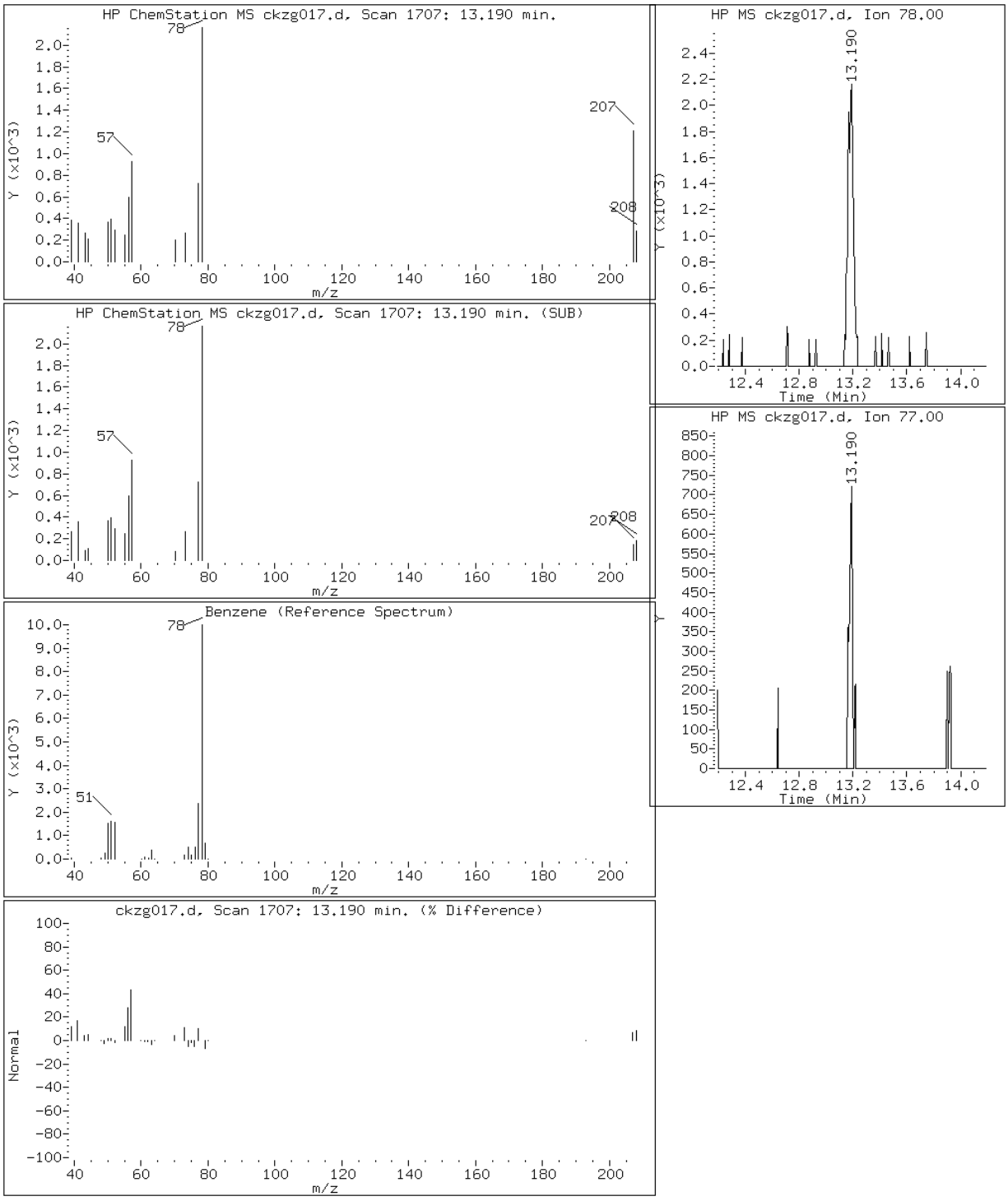
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

44 Benzene



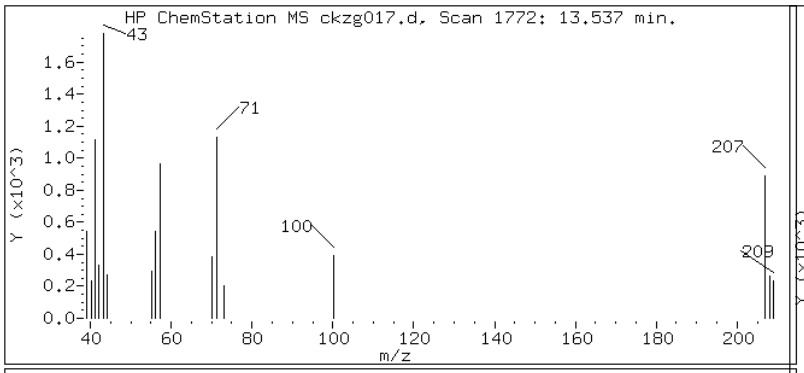
Data File: ckzg017.d

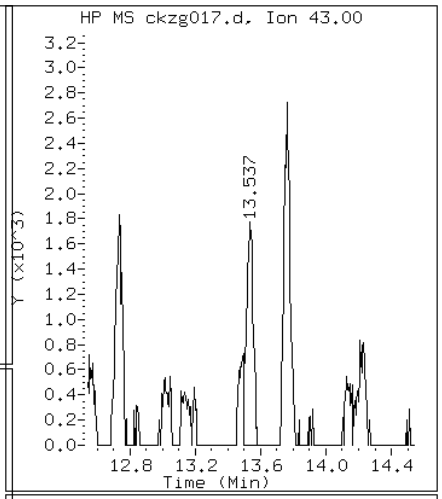
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

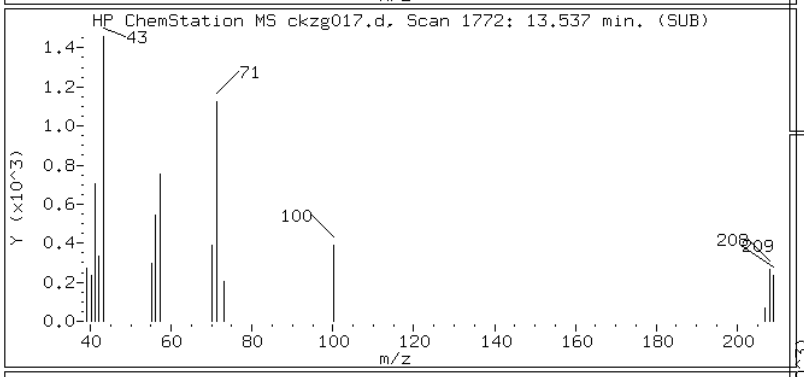
Client ID: 786VMP0202AG Instrument: C.i

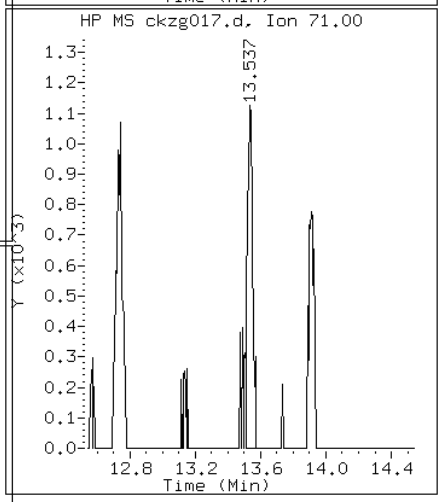
Sample Info: 280-32071-A-11 Operator: pad

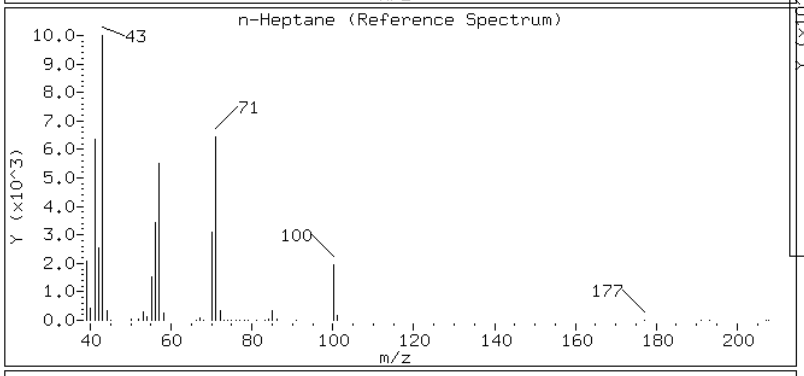
46 n-Heptane

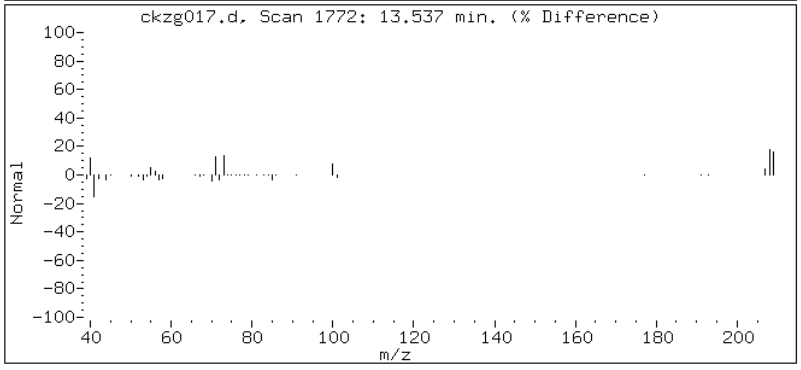












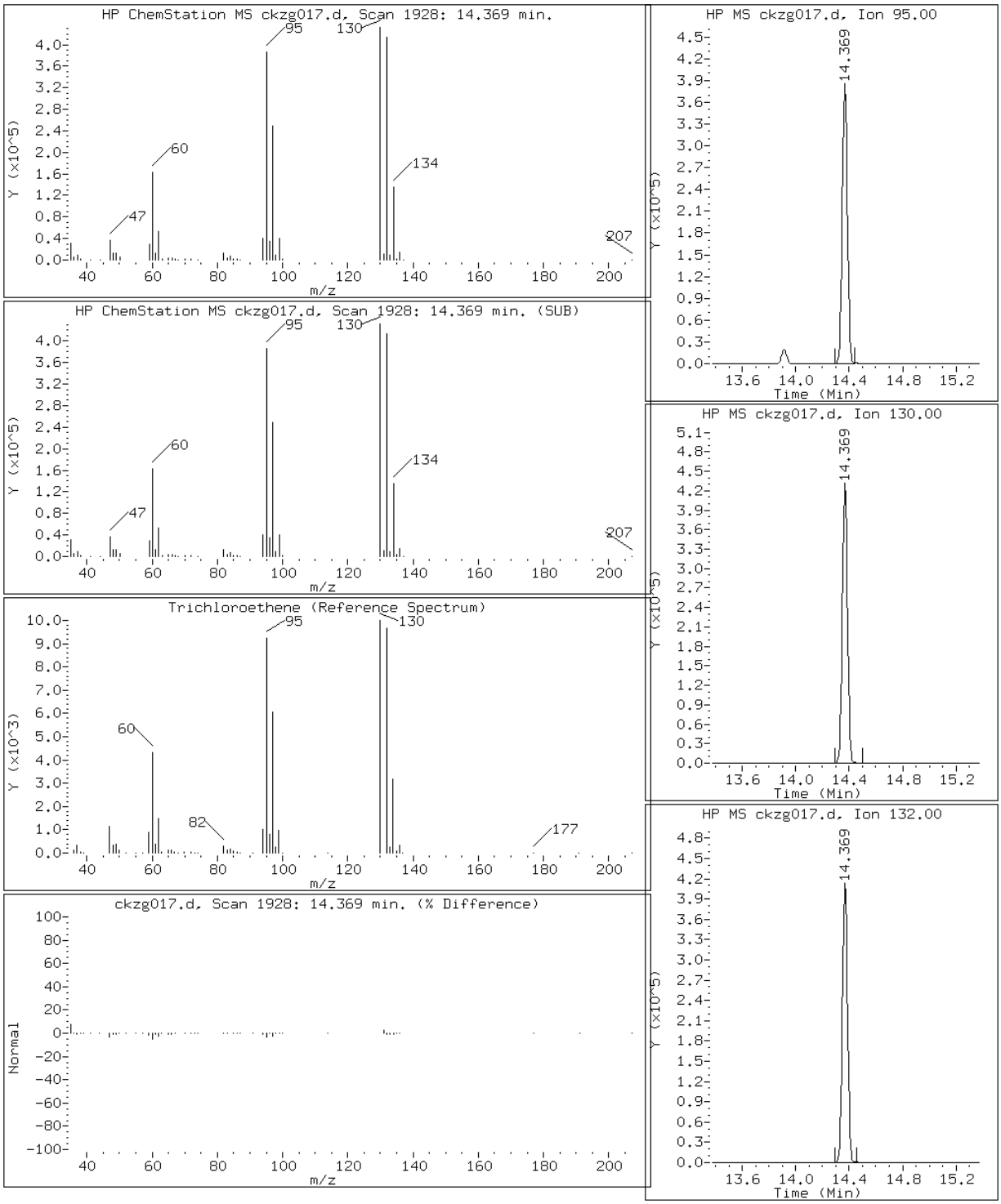
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

49 Trichloroethene



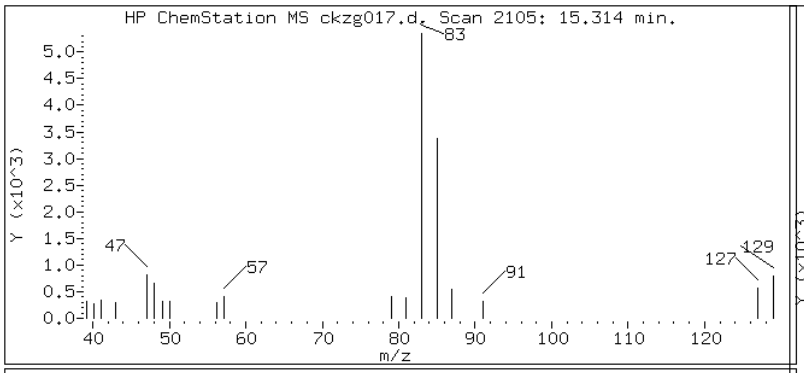
Data File: ckzg017.d

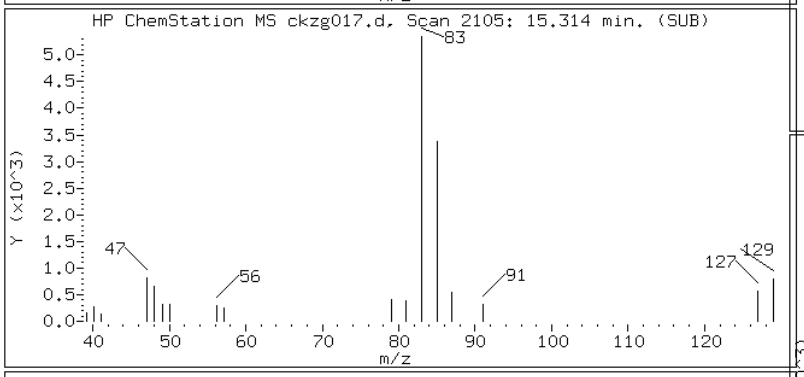
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

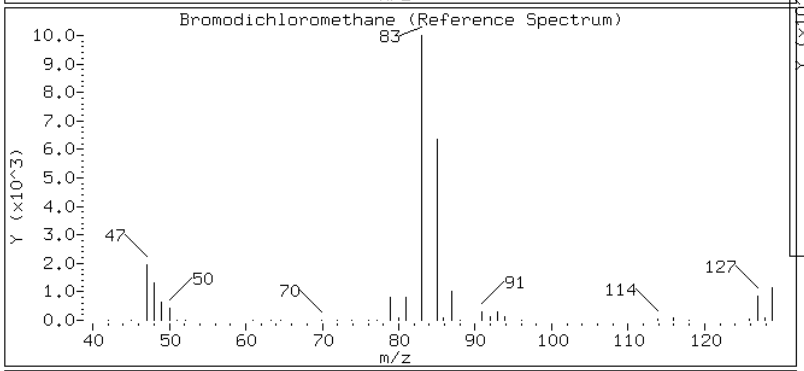
Client ID: 786VMP0202AG Instrument: C.i

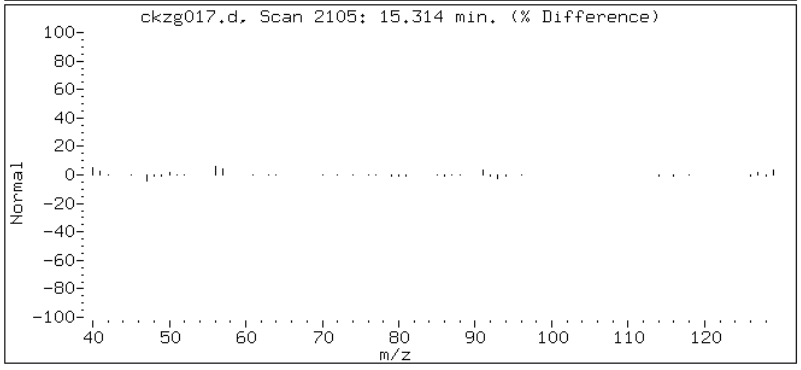
Sample Info: 280-32071-A-11 Operator: pad

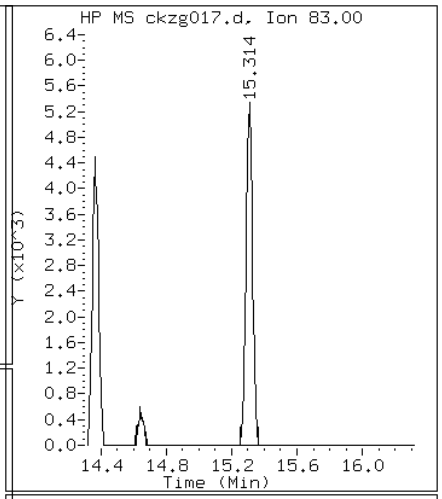
54 Bromodichloromethane

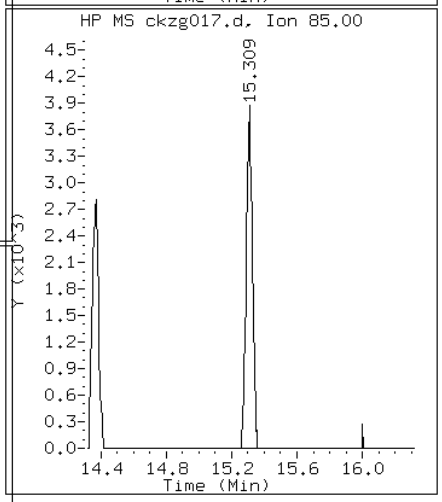












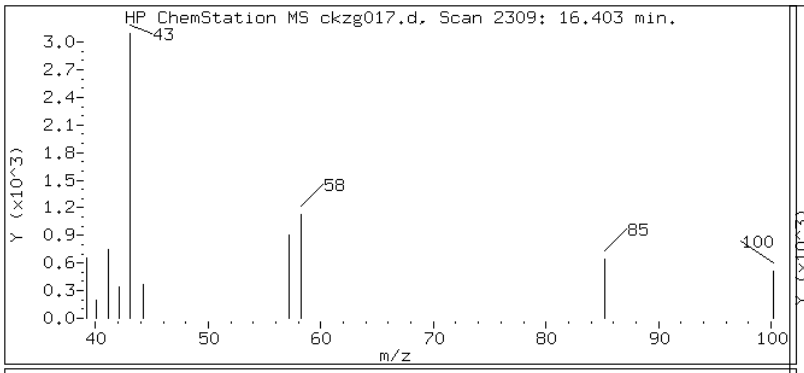
Data File: ckzg017.d

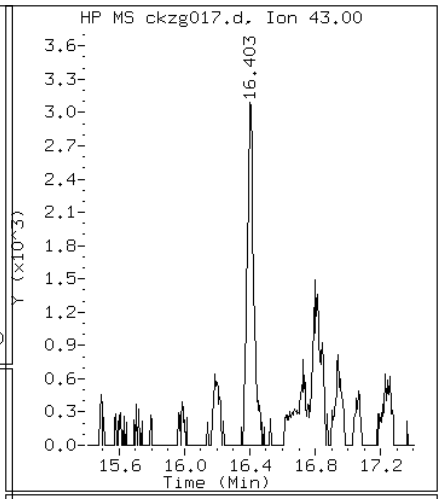
Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

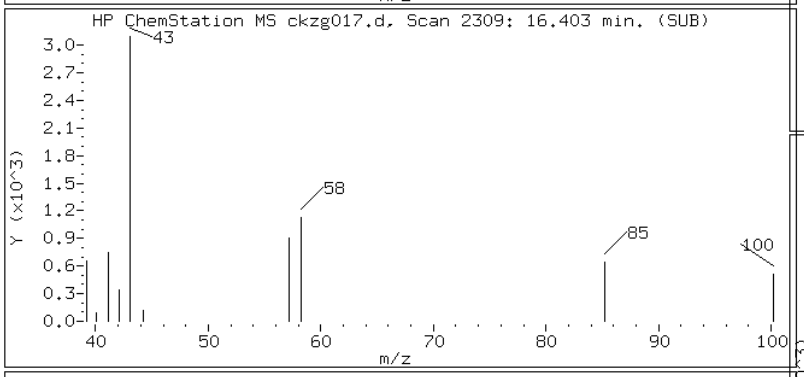
Client ID: 786VMP0202AG Instrument: C.i

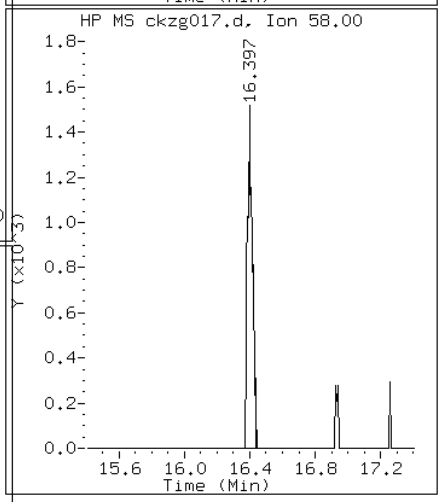
Sample Info: 280-32071-A-11 Operator: pad

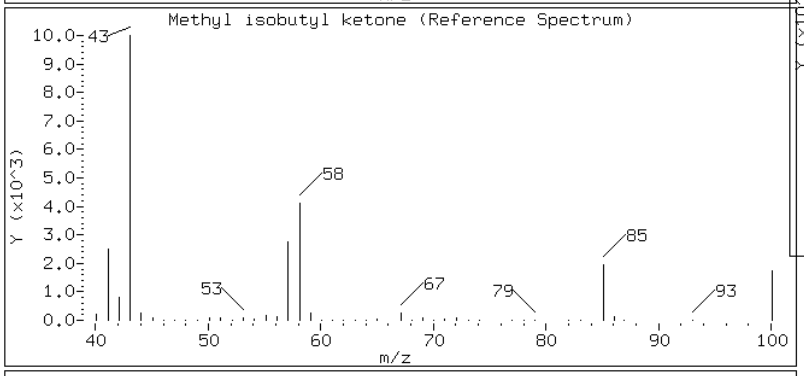
56 Methyl isobutyl ketone

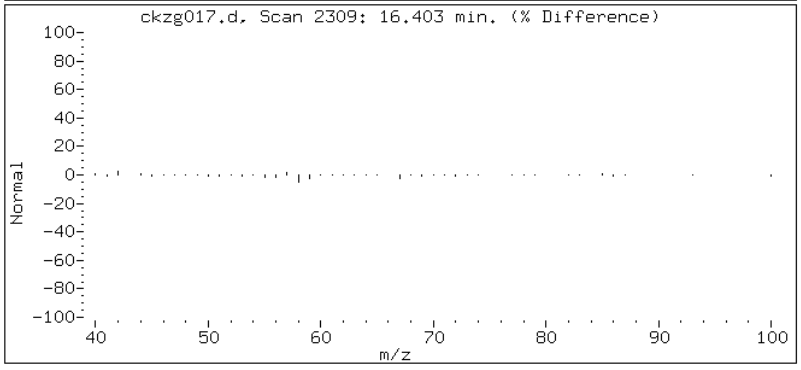












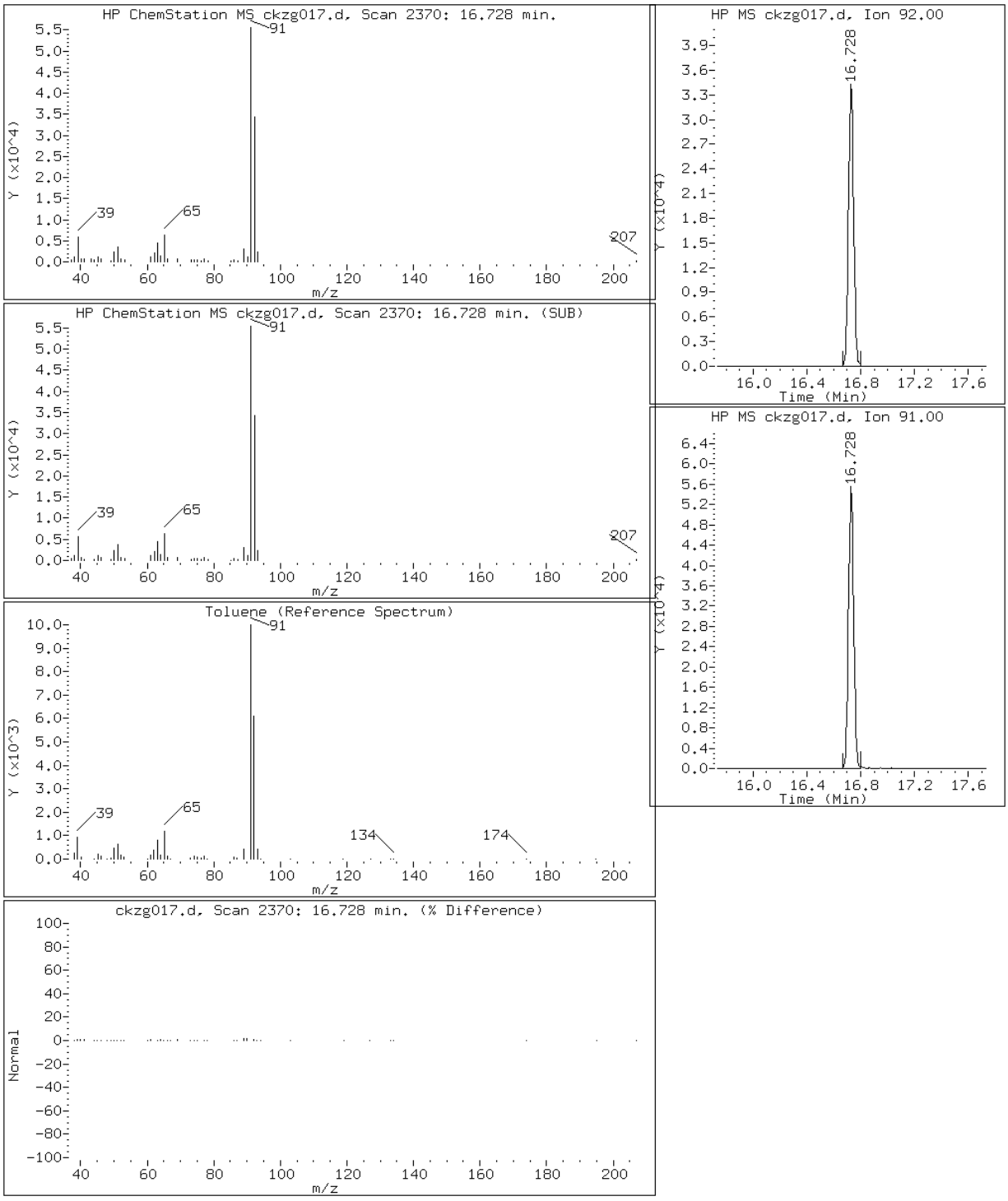
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

58 Toluene



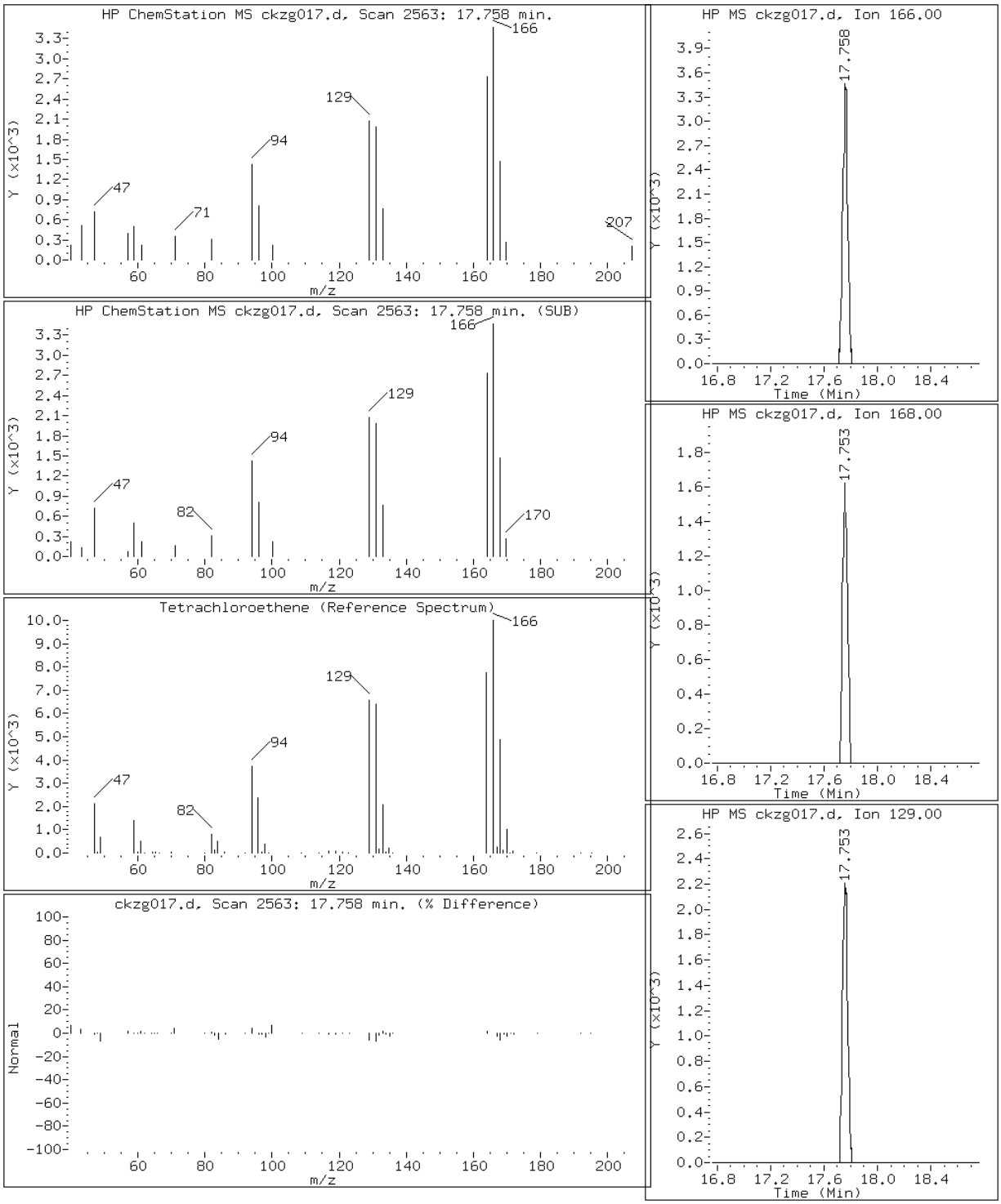
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

61 Tetrachloroethene



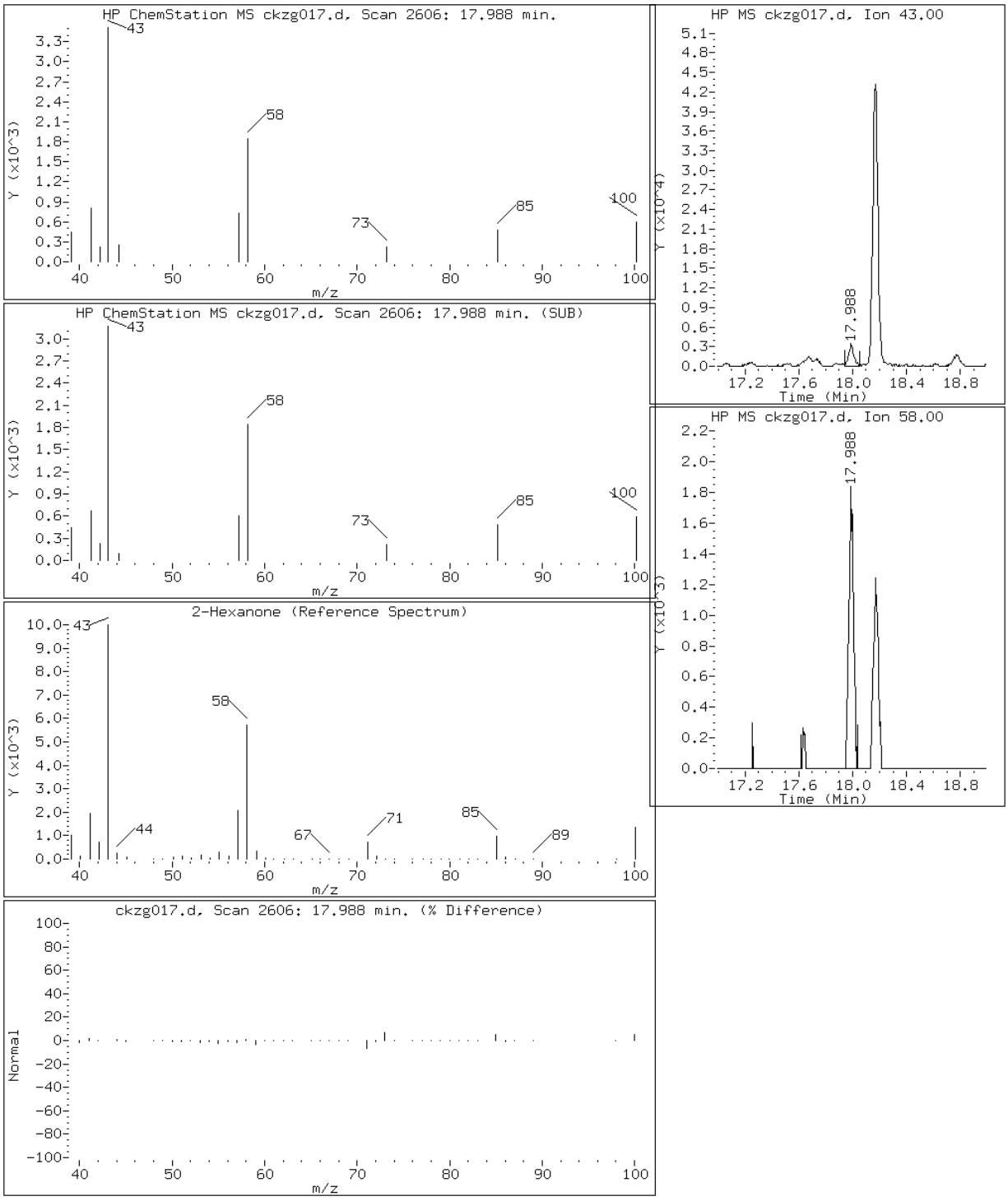
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

62 2-Hexanone



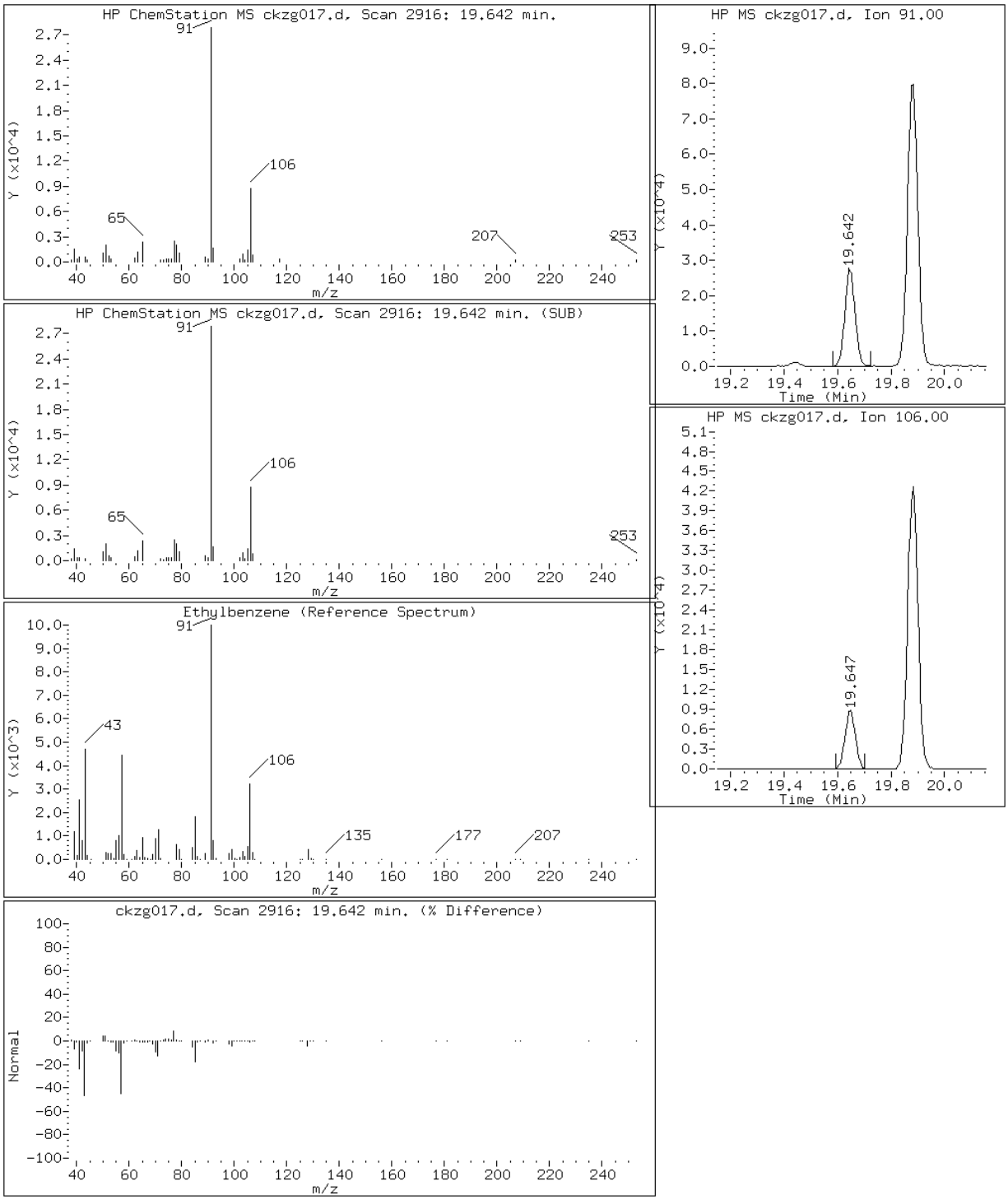
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

68 Ethylbenzene



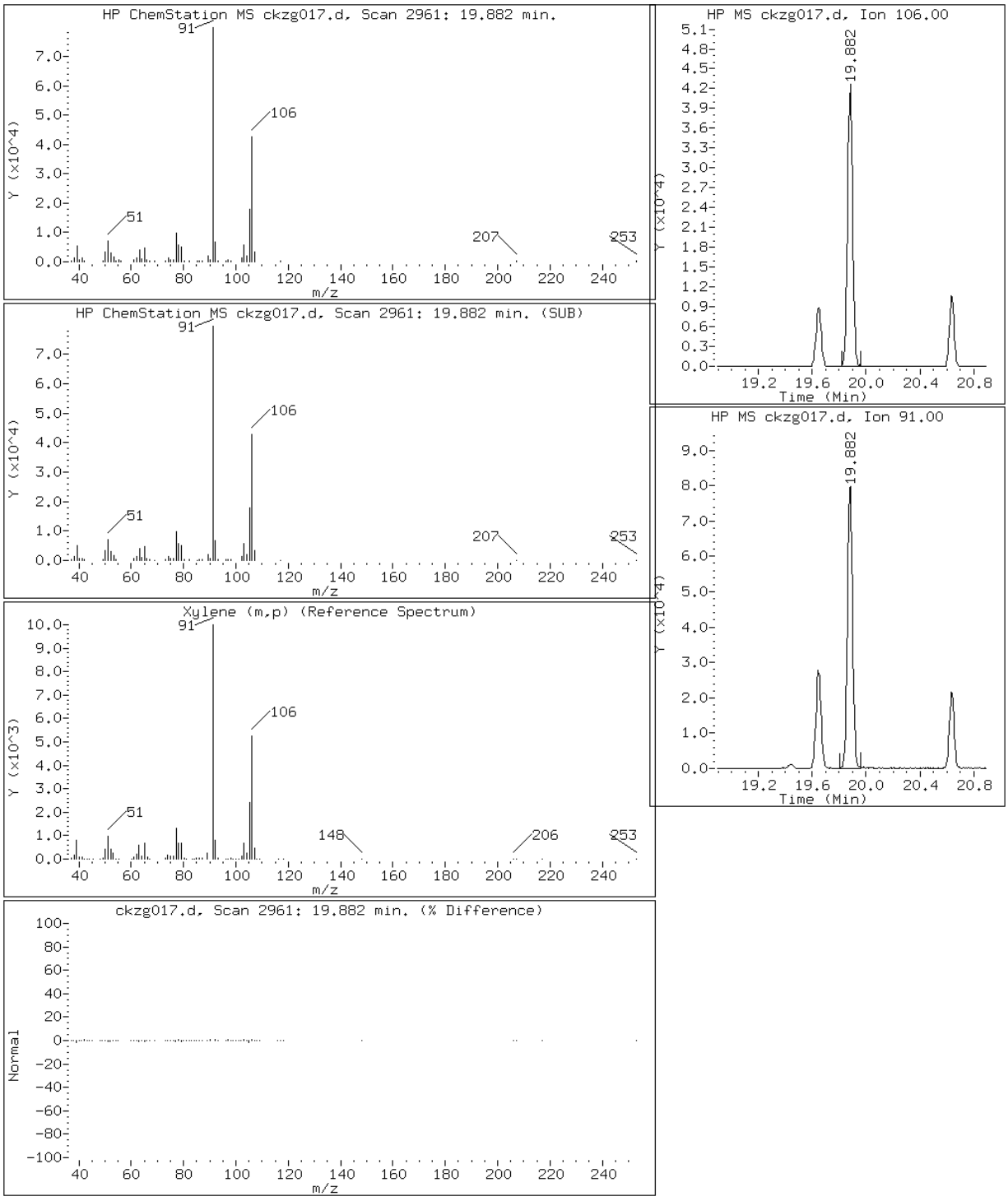
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

69 Xylene (m,p)



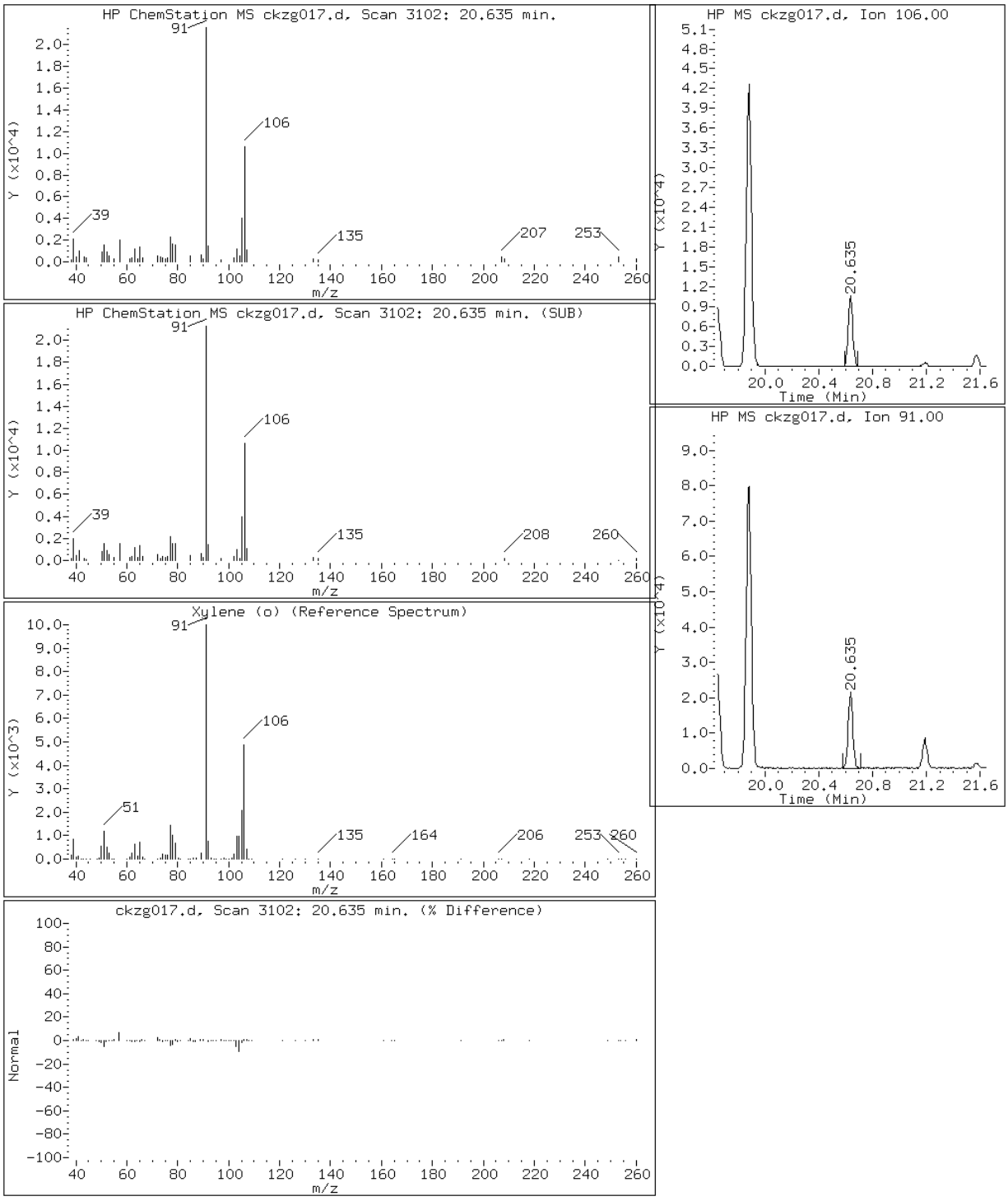
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

71 Xylene (o)



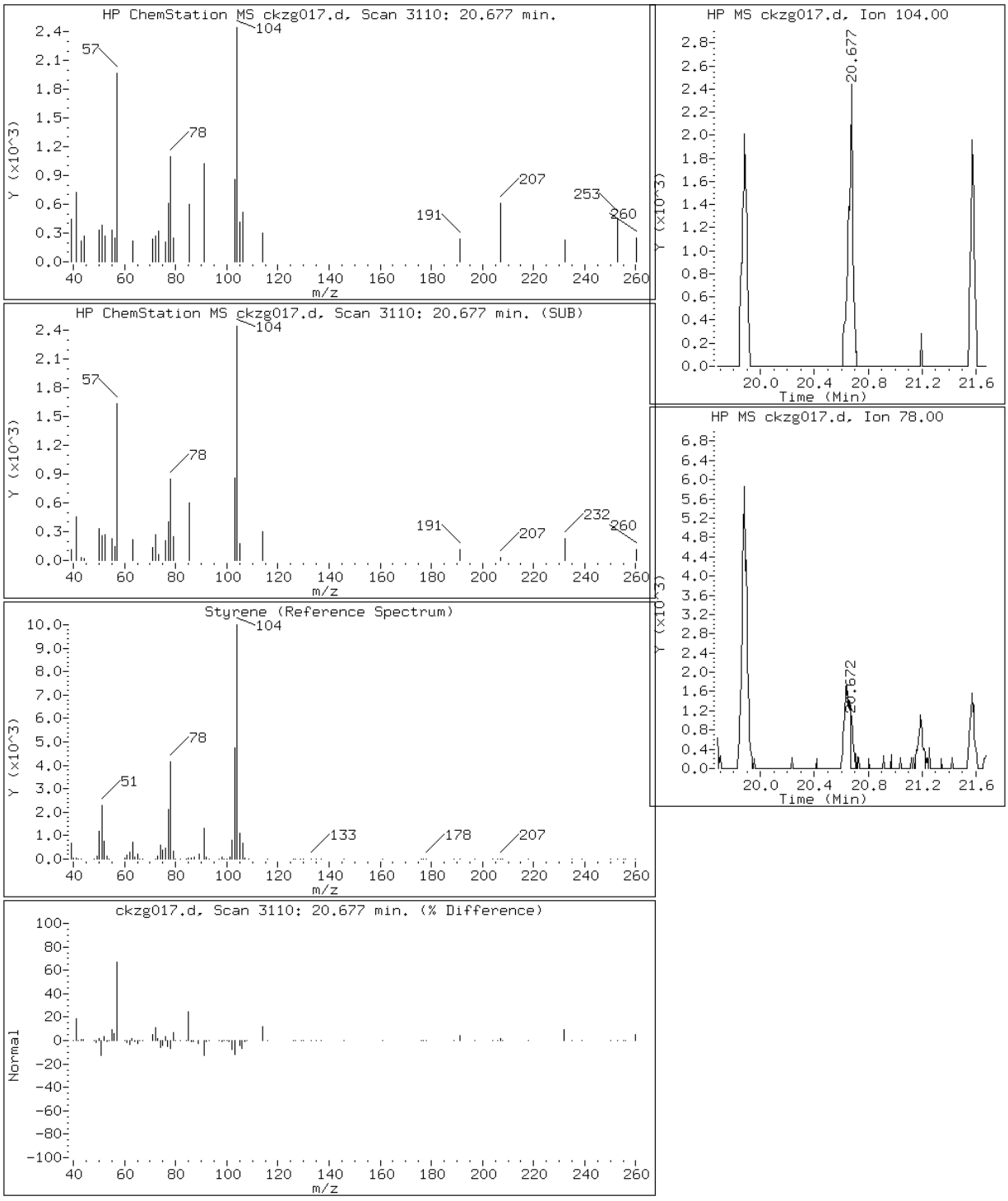
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

72 Styrene



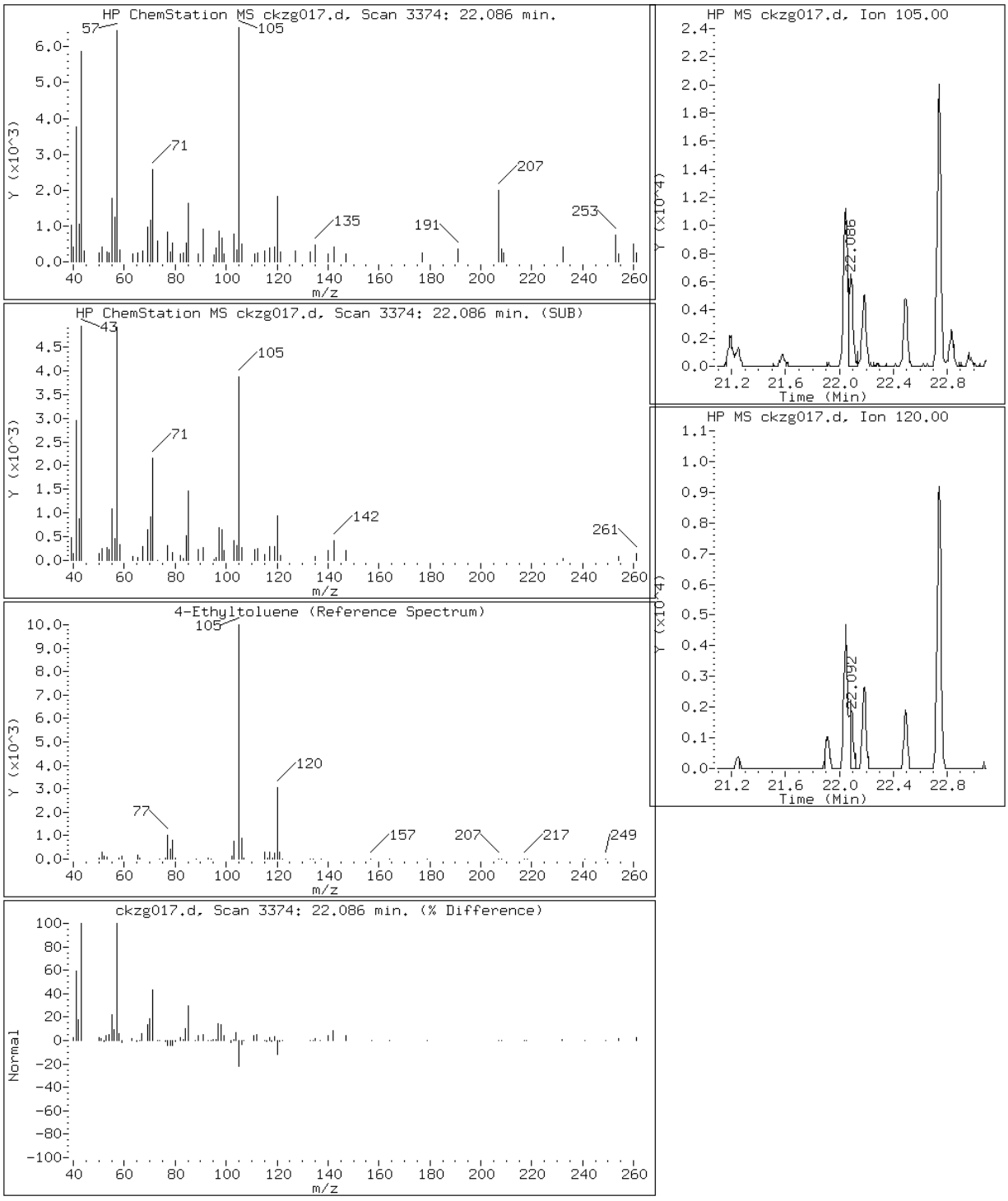
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

79 4-Ethyltoluene



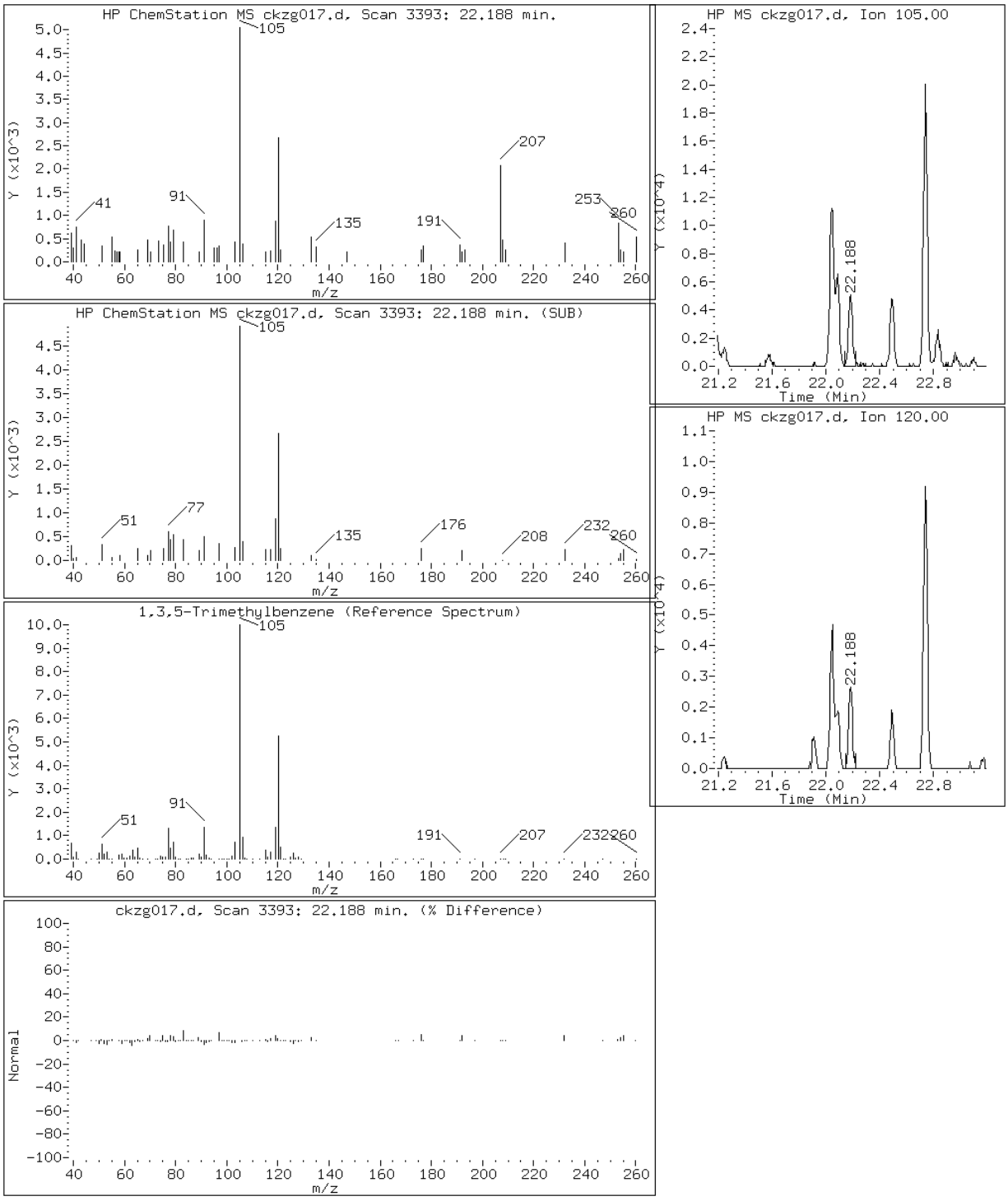
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

81 1,3,5-Trimethylbenzene



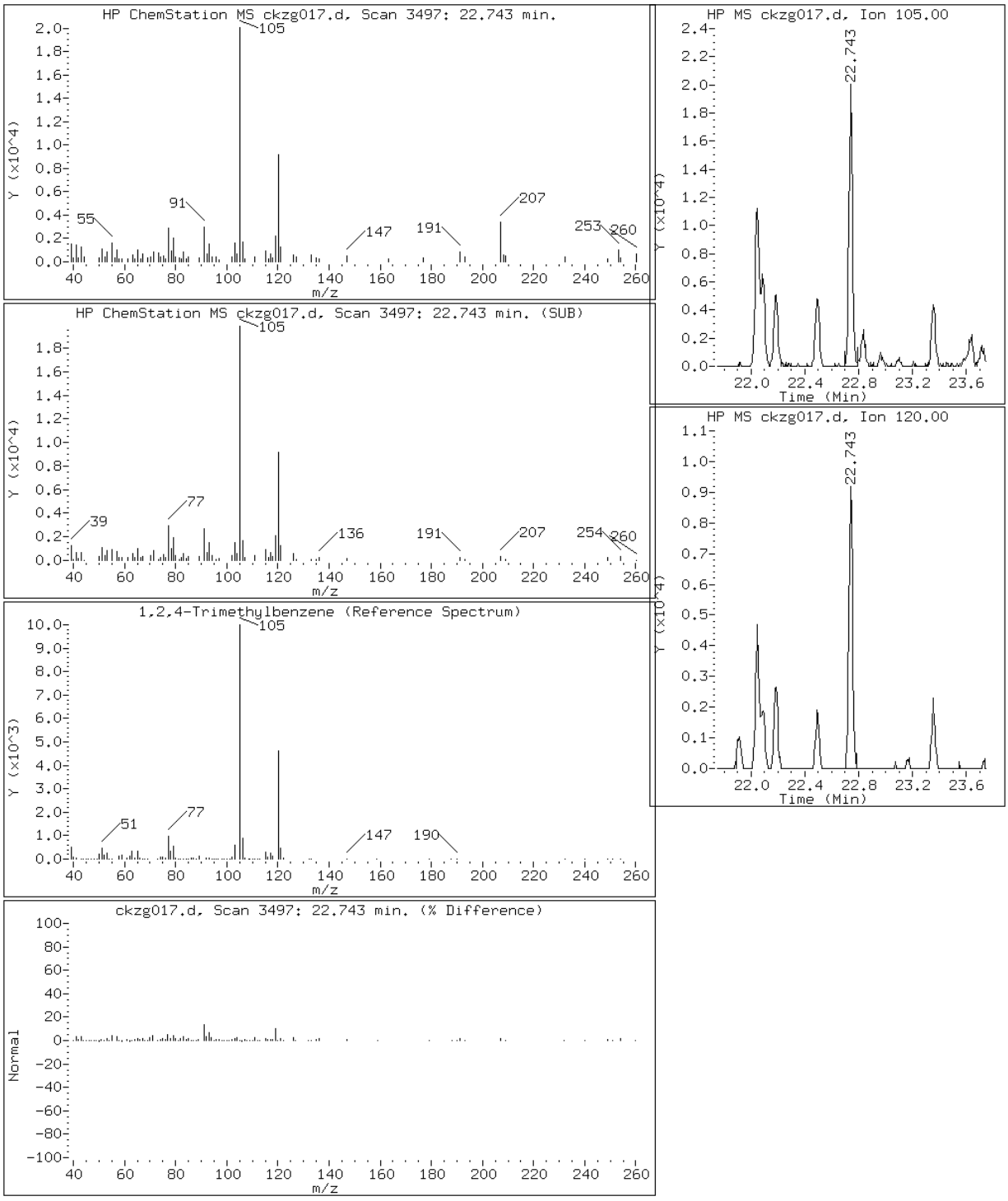
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

84 1,2,4-Trimethylbenzene



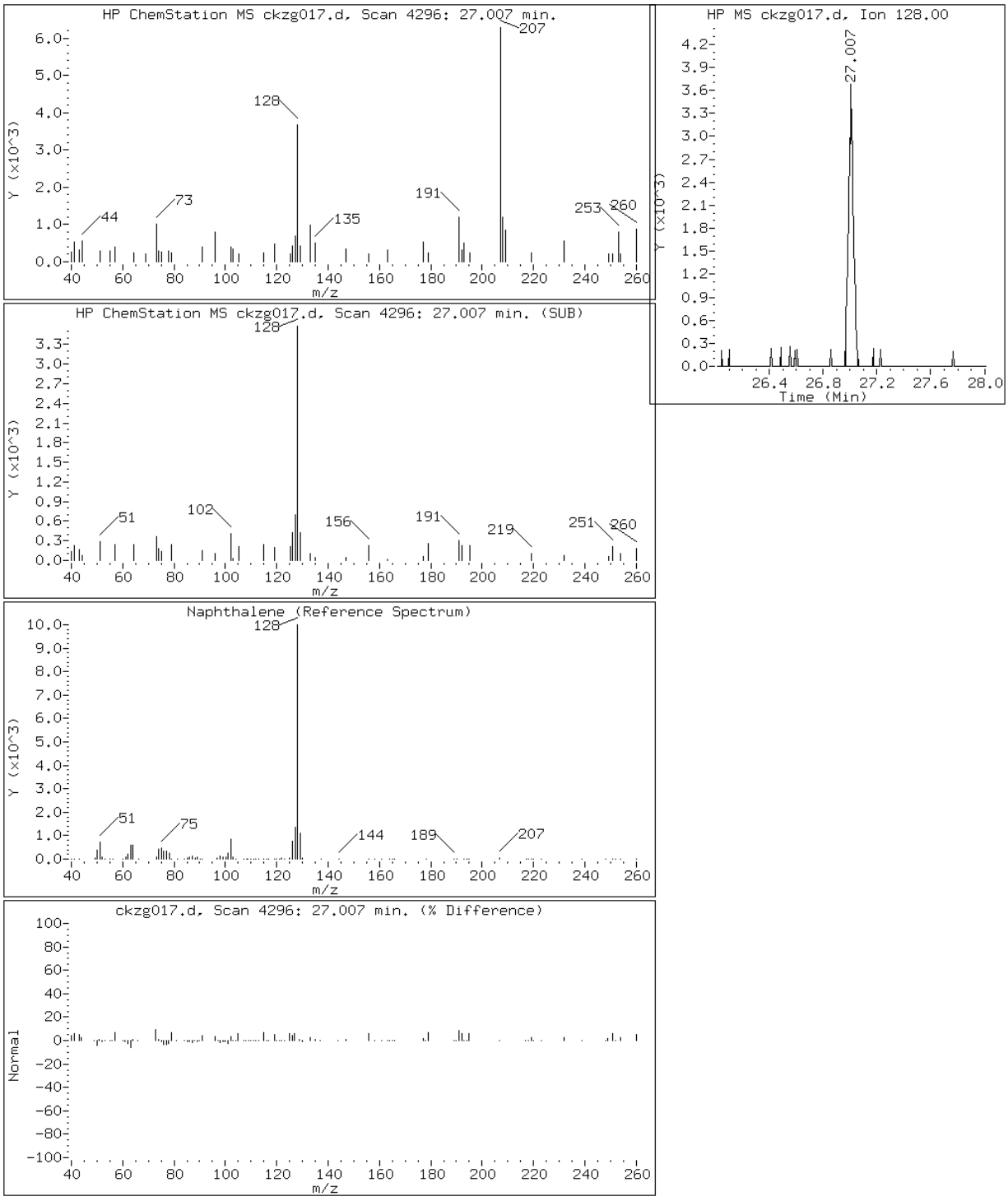
Data File: ckzg017.d

Lab Sample ID: 280-32071-11 Date: 23-AUG-2012 01:59

Client ID: 786VMP0202AG Instrument: C.i

Sample Info: 280-32071-A-11 Operator: pad

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0302AG Lab Sample ID: 280-32071-12

Matrix: Air Lab File ID: ckzi005.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:30

Sample wt/vol: 133(mL) Date Analyzed: 08/27/2012 13:58

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.54	J	0.75	0.030
75-45-6	Freon 22	86.47	0.29	J	0.75	0.035
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.12	U	0.30	0.030
74-87-3	Chloromethane	50.49	0.12	U	0.75	0.051
106-97-8	n-Butane	58.12	0.12	U	0.75	0.033
75-01-4	Vinyl chloride	62.50	0.042	U	0.30	0.014
106-99-0	1,3-Butadiene	54.09	0.12	U	0.30	0.038
74-83-9	Bromomethane	94.94	0.12	U	0.30	0.041
75-00-3	Chloroethane	64.52	0.12	U	0.75	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.060	U	0.30	0.029
75-69-4	Trichlorofluoromethane	137.37	0.25	J	0.30	0.032
76-13-1	Freon TF	187.38	0.088	J M	0.30	0.030
75-35-4	1,1-Dichloroethene	96.94	0.30	U	0.30	0.13
67-64-1	Acetone	58.08	40		7.5	0.60
67-63-0	Isopropyl alcohol	60.10	1.1	J	7.5	0.11
75-15-0	Carbon disulfide	76.14	0.29	J	0.75	0.030
107-05-1	3-Chloropropene	76.53	0.12	U	0.75	0.071
75-09-2	Methylene Chloride	84.93	0.12	U	0.75	0.035
75-65-0	tert-Butyl alcohol	74.12	49		7.5	0.062
1634-04-4	Methyl tert-butyl ether	88.15	0.060	U	0.30	0.023
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.30	0.035
110-54-3	n-Hexane	86.17	0.12	U	0.30	0.030
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.30	0.035
78-93-3	Methyl Ethyl Ketone	72.11	12		0.75	0.038
156-59-2	cis-1,2-Dichloroethene	96.94	0.30	U	0.30	0.13
540-59-0	1,2-Dichloroethene, Total	96.94	0.12	U	0.30	0.035
67-66-3	Chloroform	119.38	0.068	J	0.30	0.036
109-99-9	Tetrahydrofuran	72.11	0.12	U	7.5	0.044
71-55-6	1,1,1-Trichloroethane	133.41	0.12	U	0.30	0.030
110-82-7	Cyclohexane	84.16	0.060	U	0.30	0.029
56-23-5	Carbon tetrachloride	153.81	0.087	J M	0.30	0.020
540-84-1	2,2,4-Trimethylpentane	114.23	0.060	U	0.30	0.023
71-43-2	Benzene	78.11	0.32		0.30	0.027
107-06-2	1,2-Dichloroethane	98.96	0.060	U	0.30	0.027

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0302AG Lab Sample ID: 280-32071-12

Matrix: Air Lab File ID: ckzi005.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:30

Sample wt/vol: 133(mL) Date Analyzed: 08/27/2012 13:58

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.20	J	0.30	0.026
79-01-6	Trichloroethene	131.39	6.8		0.30	0.014
80-62-6	Methyl methacrylate	100.12	0.060	U	0.75	0.024
78-87-5	1,2-Dichloropropane	112.99	0.12	U	0.30	0.035
123-91-1	1,4-Dioxane	88.11	0.30	U	7.5	0.11
75-27-4	Bromodichloromethane	163.83	0.060	U	0.30	0.018
10061-01-5	cis-1,3-Dichloropropene	110.97	0.060	U	0.30	0.020
108-10-1	methyl isobutyl ketone	100.16	0.33	J	0.75	0.051
108-88-3	Toluene	92.14	0.71		0.30	0.021
10061-02-6	trans-1,3-Dichloropropene	110.97	0.060	U	0.30	0.023
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.30	0.024
127-18-4	Tetrachloroethene	165.83	0.67		0.30	0.023
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.9		0.75	0.060
124-48-1	Dibromochloromethane	208.29	0.060	U	0.30	0.017
106-93-4	1,2-Dibromoethane	187.87	0.060	U	0.30	0.021
108-90-7	Chlorobenzene	112.30	0.060	U	0.30	0.020
100-41-4	Ethylbenzene	106.17	0.078	J M	0.30	0.023
179601-23-1	m,p-Xylene	106.17	0.17	J	0.75	0.033
95-47-6	Xylene, o-	106.17	0.055	J	0.30	0.024
1330-20-7	Xylene (total)	106.17	0.23	J	0.30	0.024
100-42-5	Styrene	104.15	0.060	U	0.30	0.017
75-25-2	Bromoform	252.75	0.042	U	0.30	0.011
98-82-8	Cumene	120.19	0.060	U	0.30	0.017
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.30	0.017
103-65-1	n-Propylbenzene	120.19	0.060	U	0.30	0.020
622-96-8	4-Ethyltoluene	120.20	0.060	U	0.30	0.023
108-67-8	1,3,5-Trimethylbenzene	120.20	0.060	U	0.30	0.029
95-49-8	2-Chlorotoluene	126.59	0.060	U	0.30	0.020
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.30	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.12	U	0.30	0.032
135-98-8	sec-Butylbenzene	134.22	0.060	U	0.30	0.023
99-87-6	4-Isopropyltoluene	134.22	0.12	U	0.30	0.030
541-73-1	1,3-Dichlorobenzene	147.00	0.060	U	0.30	0.029
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.30	0.027

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0302AG Lab Sample ID: 280-32071-12

Matrix: Air Lab File ID: ckzi005.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:30

Sample wt/vol: 133(mL) Date Analyzed: 08/27/2012 13:58

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.12	U	0.30	0.033
104-51-8	n-Butylbenzene	134.22	0.12	U	0.30	0.033
95-50-1	1,2-Dichlorobenzene	147.00	0.12	U	0.30	0.039
120-82-1	1,2,4-Trichlorobenzene	181.45	0.084	J	0.75	0.045
87-68-3	Hexachlorobutadiene	260.76	0.12	U	0.30	0.044
91-20-3	Naphthalene	128.17	0.17	J	0.75	0.057

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0302AG Lab Sample ID: 280-32071-12

Matrix: Air Lab File ID: ckzi005.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:30

Sample wt/vol: 133(mL) Date Analyzed: 08/27/2012 13:58

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.7	J	3.7	0.15
75-45-6	Freon 22	86.47	1.0	J	2.7	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.84	U	2.1	0.21
74-87-3	Chloromethane	50.49	0.25	U	1.5	0.11
106-97-8	n-Butane	58.12	0.29	U	1.8	0.078
75-01-4	Vinyl chloride	62.50	0.11	U	0.77	0.035
106-99-0	1,3-Butadiene	54.09	0.27	U	0.66	0.083
74-83-9	Bromomethane	94.94	0.47	U	1.2	0.16
75-00-3	Chloroethane	64.52	0.32	U	2.0	0.13
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.26	U	1.3	0.12
75-69-4	Trichlorofluoromethane	137.37	1.4	J	1.7	0.18
76-13-1	Freon TF	187.38	0.67	J M	2.3	0.23
75-35-4	1,1-Dichloroethene	96.94	1.2	U	1.2	0.51
67-64-1	Acetone	58.08	94		18	1.4
67-63-0	Isopropyl alcohol	60.10	2.8	J	18	0.28
75-15-0	Carbon disulfide	76.14	0.91	J	2.3	0.093
107-05-1	3-Chloropropene	76.53	0.38	U	2.3	0.22
75-09-2	Methylene Chloride	84.93	0.42	U	2.6	0.12
75-65-0	tert-Butyl alcohol	74.12	150		23	0.19
1634-04-4	Methyl tert-butyl ether	88.15	0.22	U	1.1	0.081
156-60-5	trans-1,2-Dichloroethene	96.94	0.48	U	1.2	0.14
110-54-3	n-Hexane	86.17	0.42	U	1.1	0.11
75-34-3	1,1-Dichloroethane	98.96	0.49	U	1.2	0.14
78-93-3	Methyl Ethyl Ketone	72.11	35		2.2	0.11
156-59-2	cis-1,2-Dichloroethene	96.94	1.2	U	1.2	0.50
540-59-0	1,2-Dichloroethene, Total	96.94	0.48	U	1.2	0.14
67-66-3	Chloroform	119.38	0.33	J	1.5	0.18
109-99-9	Tetrahydrofuran	72.11	0.35	U	22	0.13
71-55-6	1,1,1-Trichloroethane	133.41	0.65	U	1.6	0.16
110-82-7	Cyclohexane	84.16	0.21	U	1.0	0.098
56-23-5	Carbon tetrachloride	153.81	0.55	J M	1.9	0.12
540-84-1	2,2,4-Trimethylpentane	114.23	0.28	U	1.4	0.11
71-43-2	Benzene	78.11	1.0		0.96	0.086
107-06-2	1,2-Dichloroethane	98.96	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0302AG Lab Sample ID: 280-32071-12

Matrix: Air Lab File ID: ckzi005.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:30

Sample wt/vol: 133(mL) Date Analyzed: 08/27/2012 13:58

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.83	J	1.2	0.10
79-01-6	Trichloroethene	131.39	36		1.6	0.074
80-62-6	Methyl methacrylate	100.12	0.25	U	3.1	0.098
78-87-5	1,2-Dichloropropane	112.99	0.55	U	1.4	0.16
123-91-1	1,4-Dioxane	88.11	1.1	U	27	0.38
75-27-4	Bromodichloromethane	163.83	0.40	U	2.0	0.12
10061-01-5	cis-1,3-Dichloropropene	110.97	0.27	U	1.4	0.089
108-10-1	methyl isobutyl ketone	100.16	1.3	J	3.1	0.21
108-88-3	Toluene	92.14	2.7		1.1	0.079
10061-02-6	trans-1,3-Dichloropropene	110.97	0.27	U	1.4	0.10
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	1.6	0.13
127-18-4	Tetrachloroethene	165.83	4.6		2.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	7.6		3.1	0.25
124-48-1	Dibromochloromethane	208.29	0.51	U	2.6	0.14
106-93-4	1,2-Dibromoethane	187.87	0.46	U	2.3	0.16
108-90-7	Chlorobenzene	112.30	0.28	U	1.4	0.090
100-41-4	Ethylbenzene	106.17	0.34	J M	1.3	0.098
179601-23-1	m,p-Xylene	106.17	0.75	J	3.3	0.14
95-47-6	Xylene, o-	106.17	0.24	J	1.3	0.10
1330-20-7	Xylene (total)	106.17	0.99	J	1.3	0.10
100-42-5	Styrene	104.15	0.26	U	1.3	0.070
75-25-2	Bromoform	252.75	0.43	U	3.1	0.11
98-82-8	Cumene	120.19	0.29	U	1.5	0.081
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.1	0.11
103-65-1	n-Propylbenzene	120.19	0.29	U	1.5	0.096
622-96-8	4-Ethyltoluene	120.20	0.29	U	1.5	0.11
108-67-8	1,3,5-Trimethylbenzene	120.20	0.29	U	1.5	0.14
95-49-8	2-Chlorotoluene	126.59	0.31	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	0.33	U	1.6	0.091
95-63-6	1,2,4-Trimethylbenzene	120.20	0.59	U	1.5	0.15
135-98-8	sec-Butylbenzene	134.22	0.33	U	1.6	0.12
99-87-6	4-Isopropyltoluene	134.22	0.66	U	1.6	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.36	U	1.8	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	1.8	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786VMP0302AG Lab Sample ID: 280-32071-12

Matrix: Air Lab File ID: ckzi005.d

Analysis Method: TO-15 Date Collected: 08/08/2012 10:30

Sample wt/vol: 133(mL) Date Analyzed: 08/27/2012 13:58

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.62	U	1.6	0.17
104-51-8	n-Butylbenzene	134.22	0.66	U	1.6	0.18
95-50-1	1,2-Dichlorobenzene	147.00	0.72	U	1.8	0.23
120-82-1	1,2,4-Trichlorobenzene	181.45	0.62	J	5.6	0.33
87-68-3	Hexachlorobutadiene	260.76	1.3	U	3.2	0.46
91-20-3	Naphthalene	128.17	0.87	J	3.9	0.30

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-12
Client Smp ID: 786VMP0302AG
Inj Date : 27-AUG-2012 13:58
Operator : wrd Inst ID: C.i
Smp Info : 280-32071-A-12
Misc Info : 133,1.5,all74
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/to15v5.m
Meth Date : 28-Aug-2012 10:42 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 4
Dil Factor: 1.50000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.50000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	133.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	30995	0.36166	0.54(a)
3 Chlorodifluoromethane	51	4.352	4.363	(0.360)	8462	0.19593	0.29(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.567)	15290	0.16916	0.25(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.665)	3702	0.05858	0.088(aM)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.237	8.269	(0.682)	910082	26.4796	40

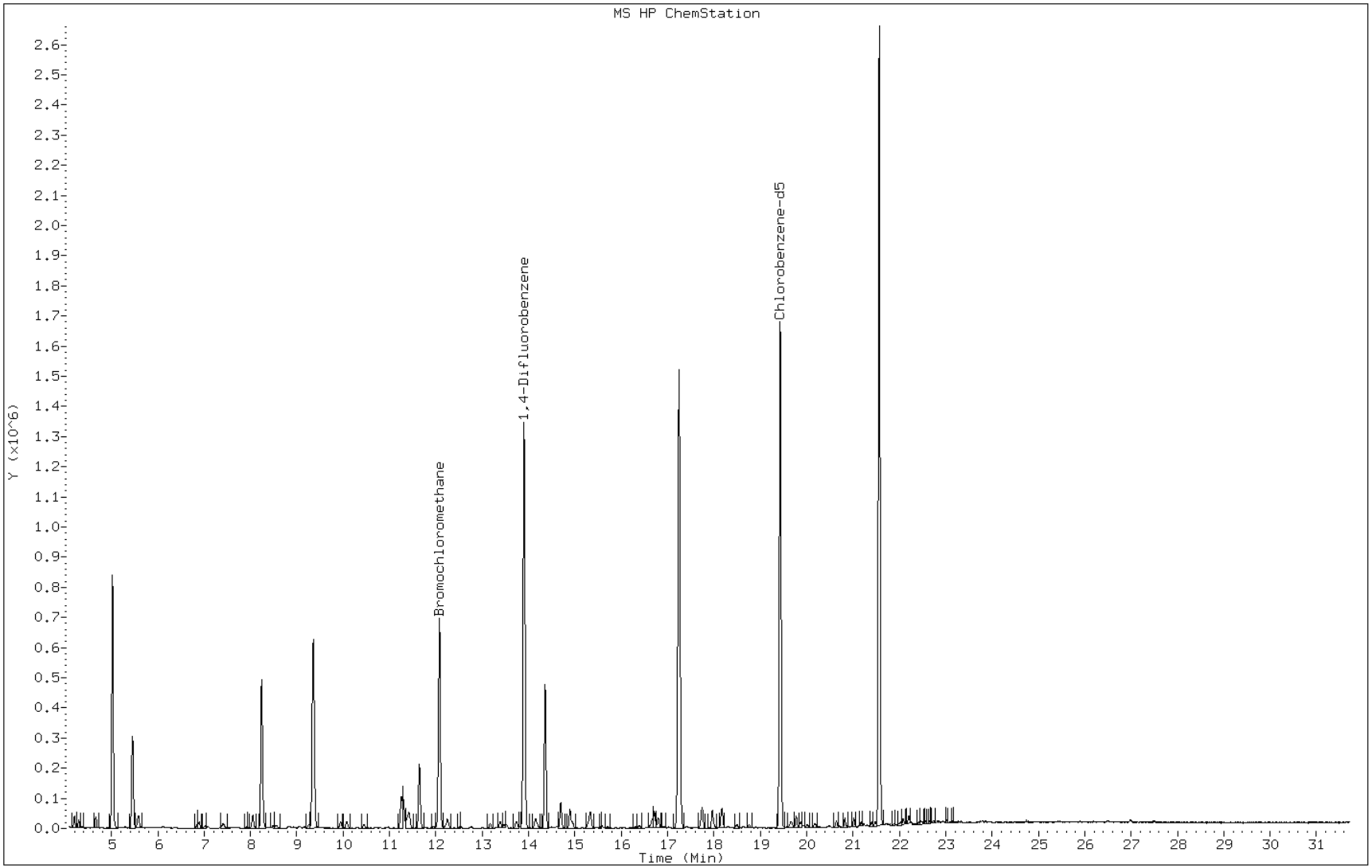
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.493	8.509	(0.703)	16313	0.19580	0.29(a)
	22 Isopropanol	45	8.557	8.573	(0.709)	18119	0.75035	1.1(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	9.352	9.390	(0.775)	1191304	32.4344	49
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.647	11.674	(0.965)	102381	7.83981	12(Q)
*	37 Bromochloromethane	128	12.074	12.096	(1.000)	312133	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	12.181	12.213	(1.009)	3152	0.04520	0.068(a)
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.773	12.784	(0.919)	4827	0.05801	0.087(aM)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.168	13.190	(0.947)	21528	0.21052	0.32
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.521	13.542	(0.972)	7391	0.13579	0.20(a)
*	47 1,4-Difluorobenzene	114	13.905	13.921	(1.000)	1726642	10.0000	
	49 Trichloroethene	95	14.358	14.375	(1.033)	217898	4.52753	6.8
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.381	16.408	(1.178)	10591	0.21936	0.33(a)
	58 Toluene	92	16.717	16.734	(0.860)	37960	0.47534	0.71
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.747	17.764	(0.913)	33794	0.44883	0.67
	62 2-Hexanone	43	17.966	17.993	(0.925)	57496	1.23601	1.9
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.429	19.450	(1.000)	1665797	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.631	19.653	(1.010)	8710	0.05185	0.078(aM)
	69 Xylene (m,p)	106	19.866	19.893	(1.023)	8106	0.11583	0.17(a)
M	70 Xylenes, Total	106				10582	0.15238	0.23(a)
	71 Xylene (o)	106	20.624	20.646	(1.062)	2476	0.03654	0.055(a)
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	26.500	26.516	(1.364)	2597	0.05606	0.084(a)
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	26.996	27.012	(1.389)	10216	0.11099	0.17(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzi005.d	Date:	27-AUG-2012 13:58
Client ID:	786VMP0302AG	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-12		
Lab Sample ID:	280-32071-12		



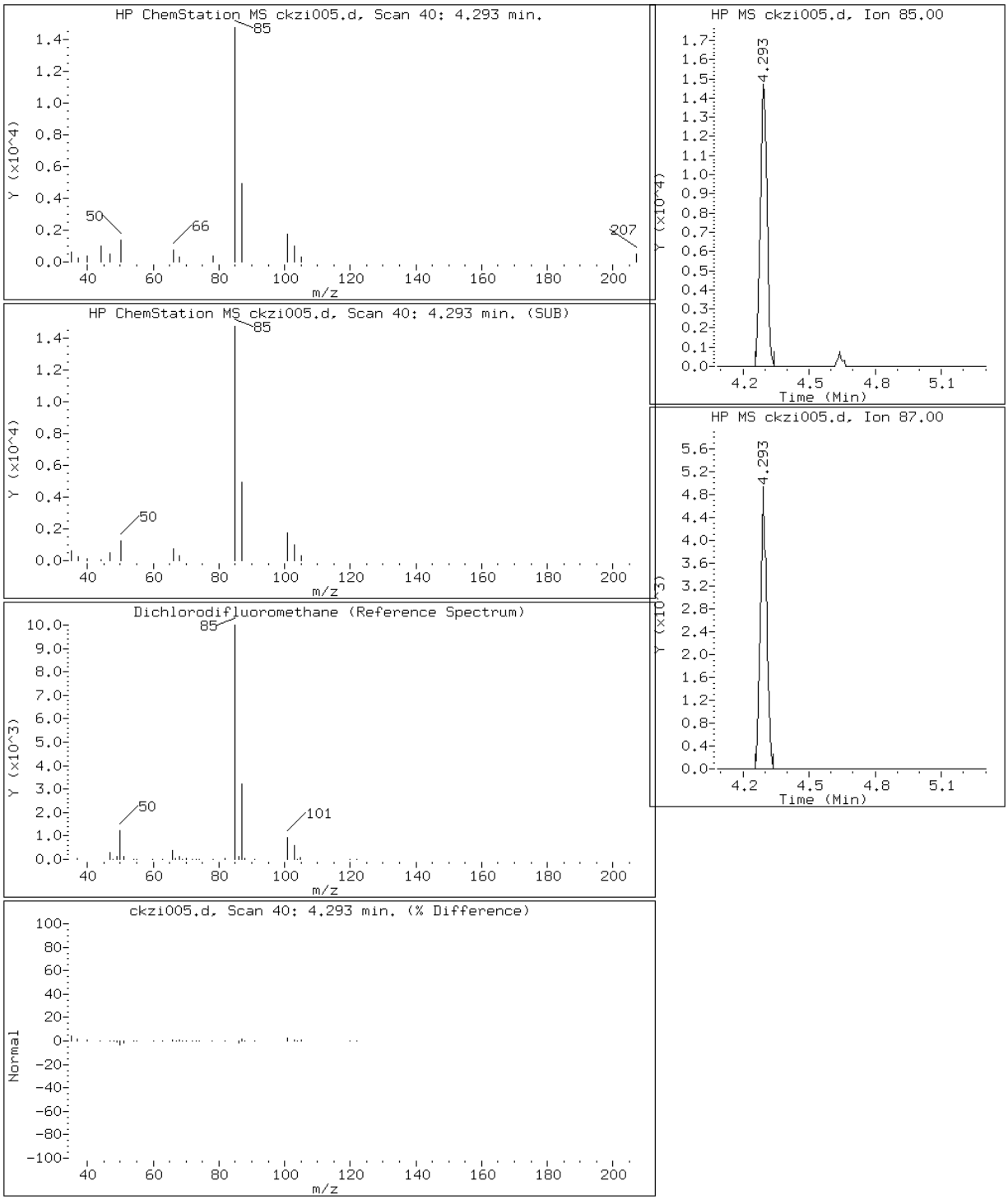
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

2 Dichlorodifluoromethane



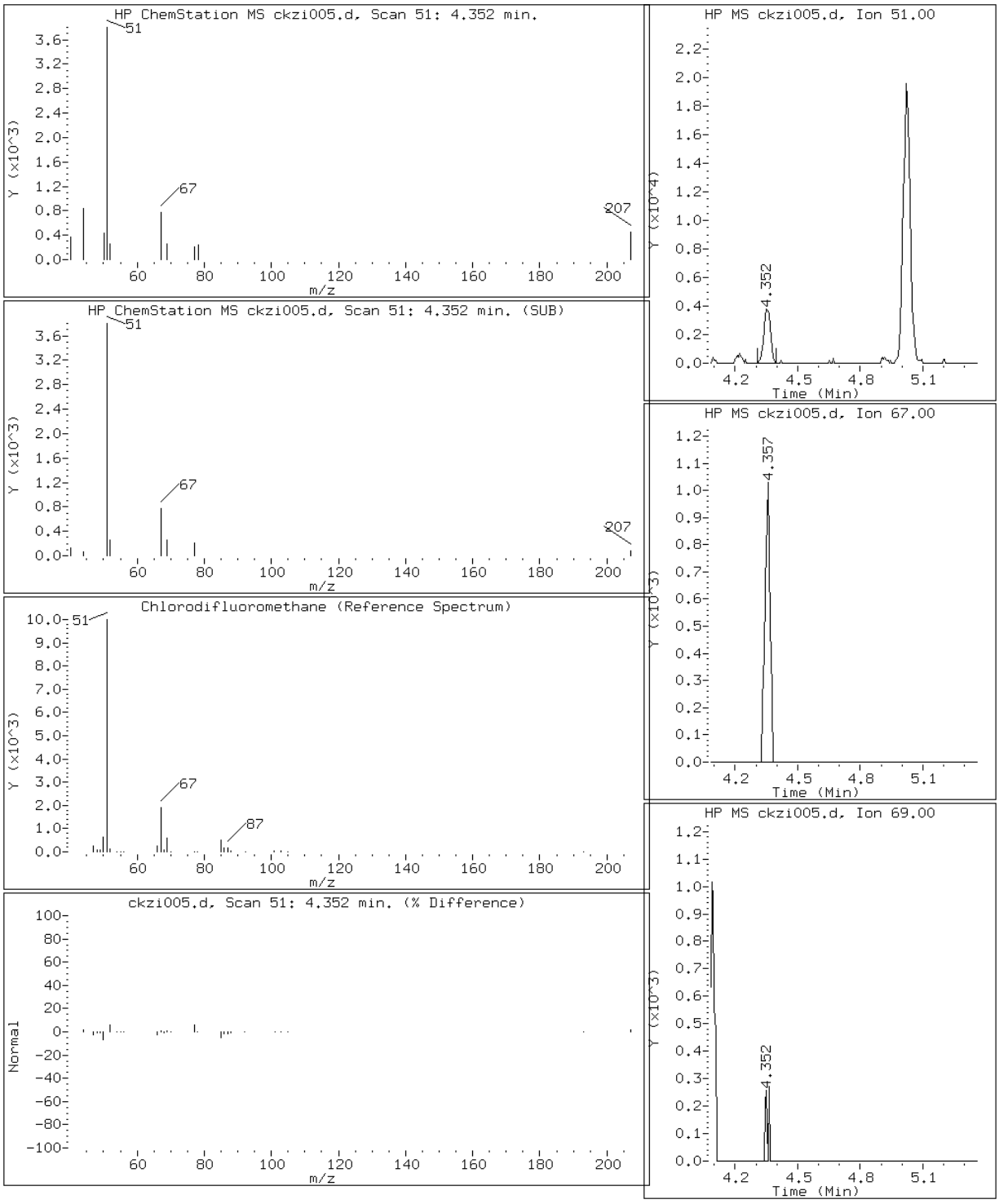
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

3 Chlorodifluoromethane



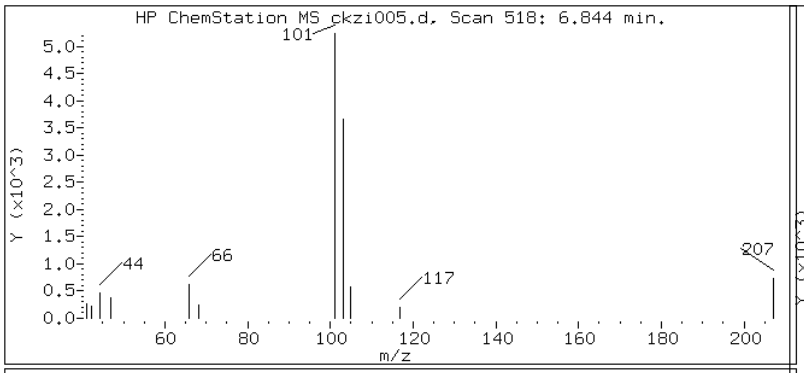
Data File: ckzi005.d

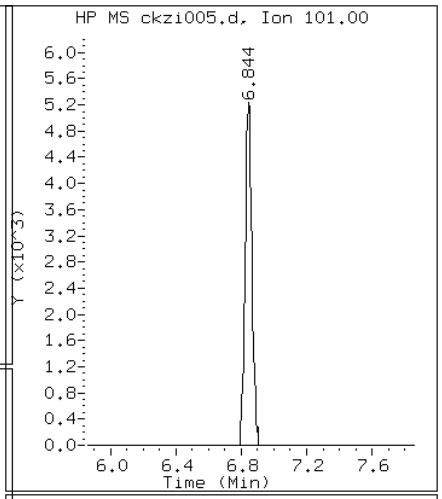
Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

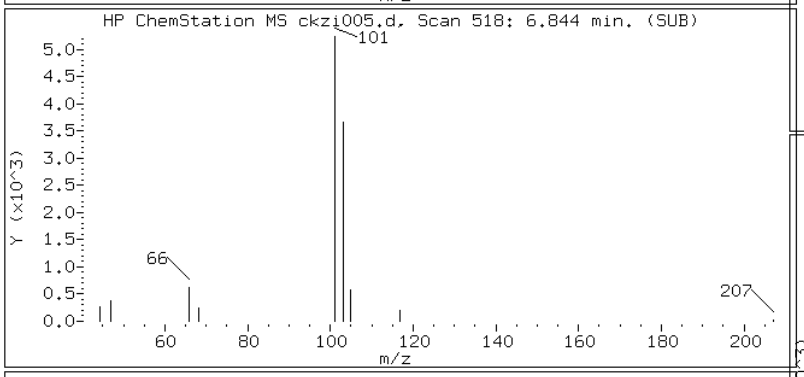
Client ID: 786VMP0302AG Instrument: C.i

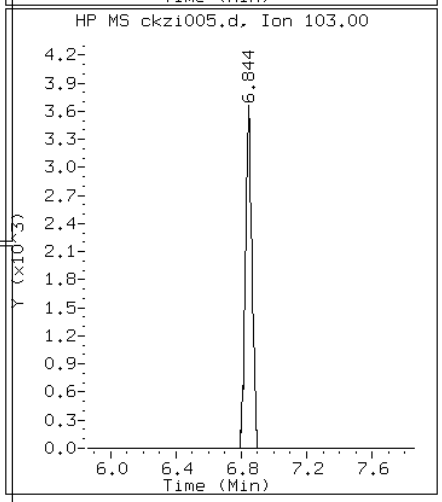
Sample Info: 280-32071-A-12 Operator: wrd

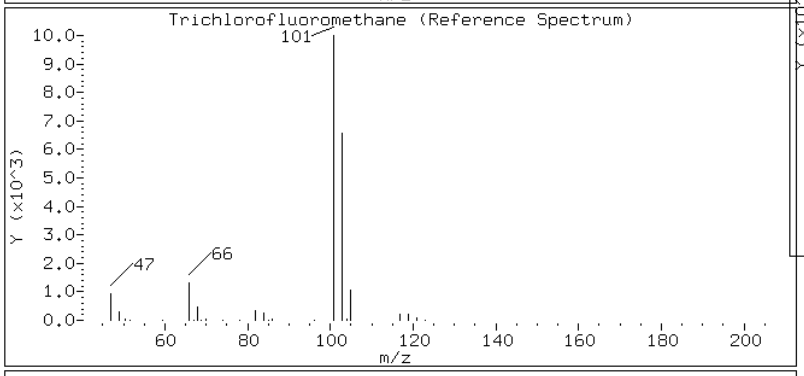
13 Trichlorofluoromethane

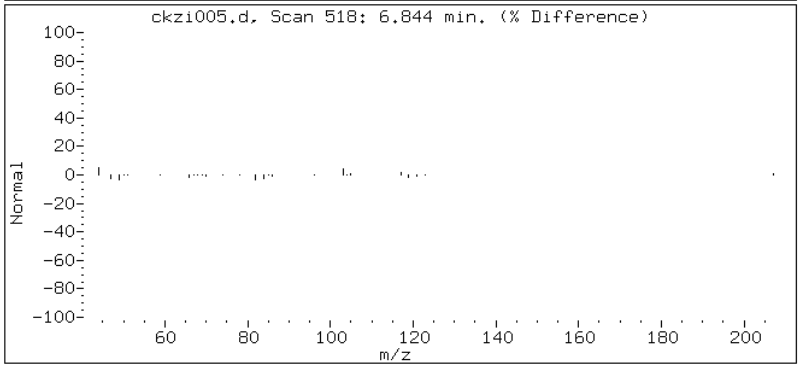












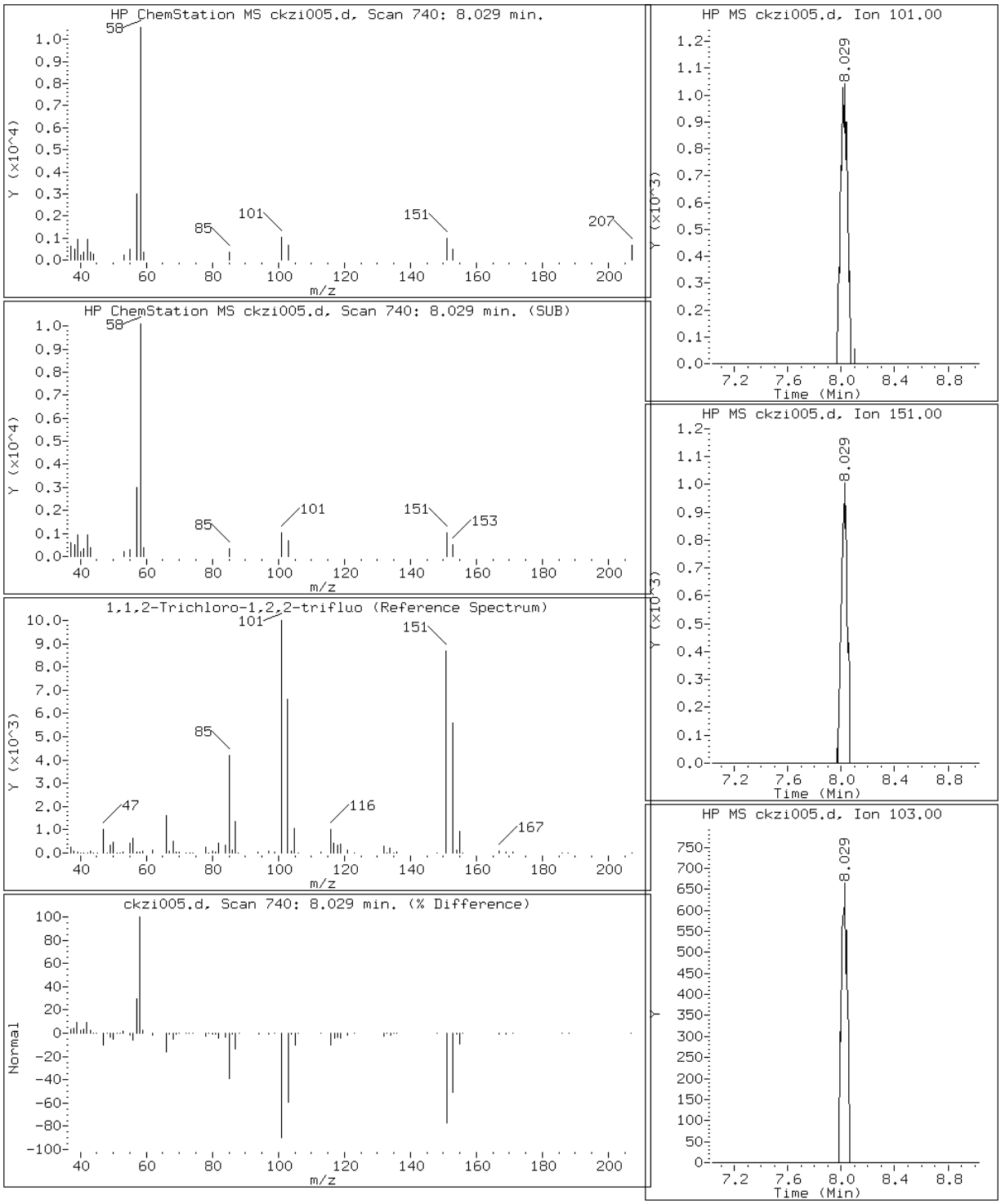
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

17 1,1,2-Trichloro-1,2,2-trifluo



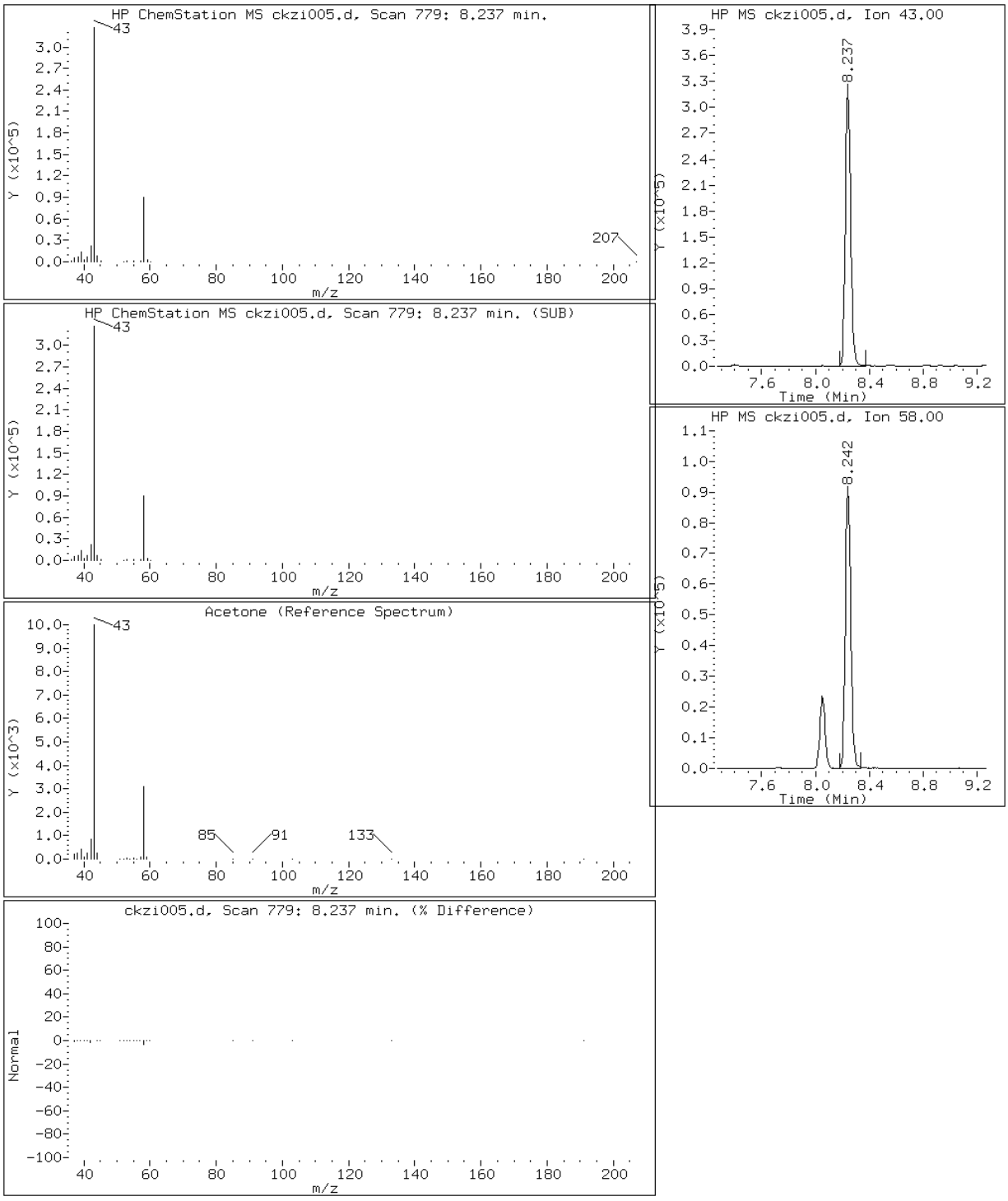
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

20 Acetone



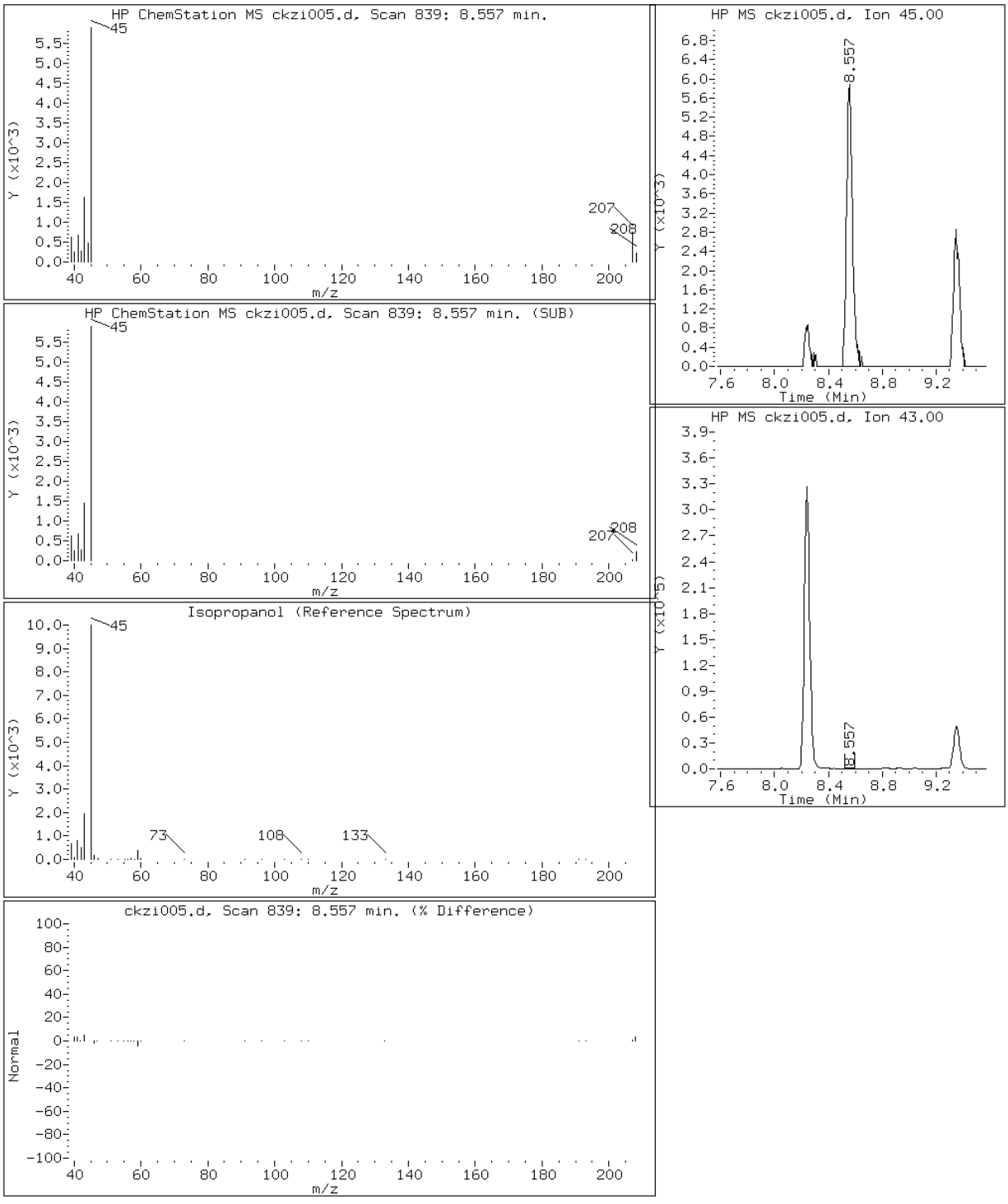
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

22 Isopropanol



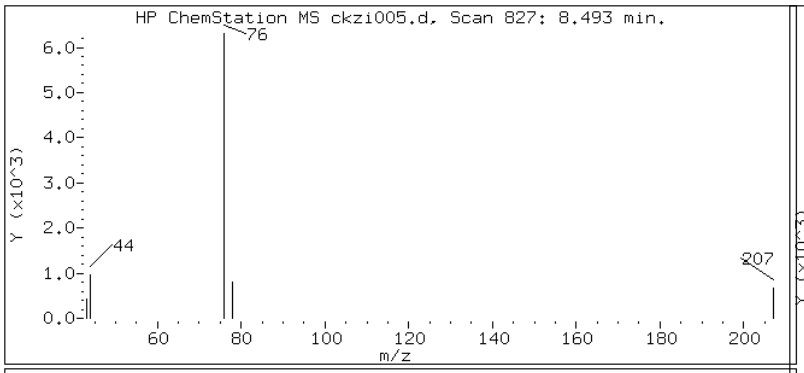
Data File: ckzi005.d

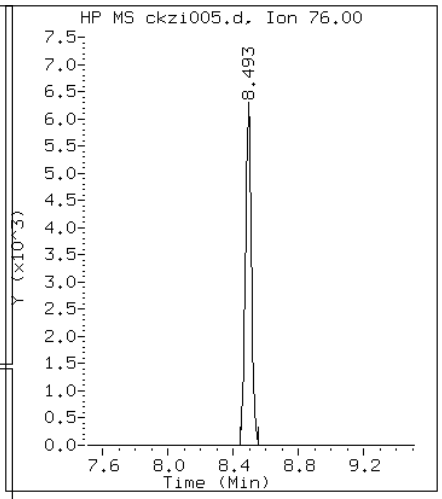
Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

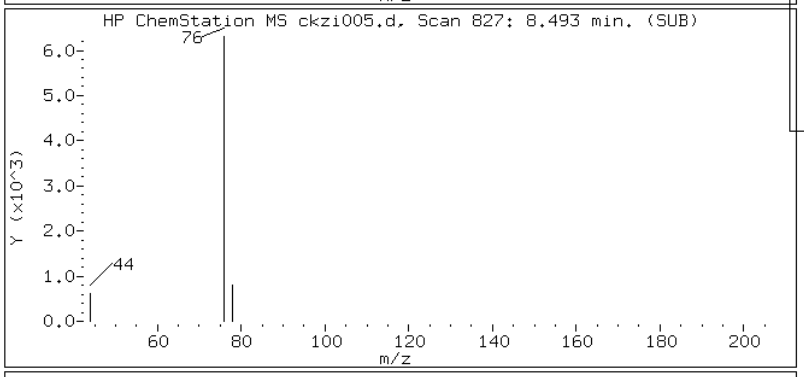
Client ID: 786VMP0302AG Instrument: C.i

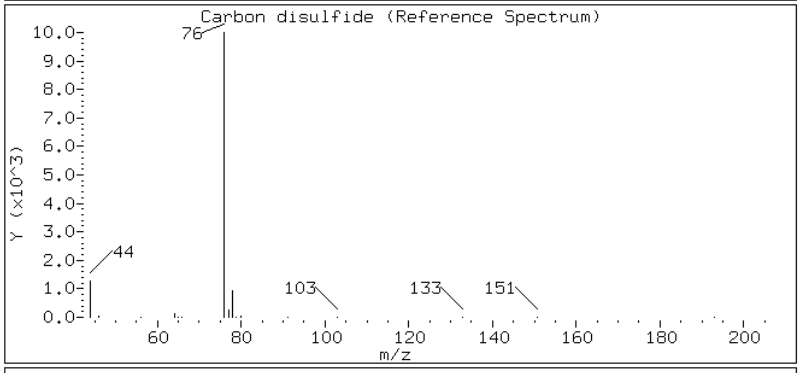
Sample Info: 280-32071-A-12 Operator: wrd

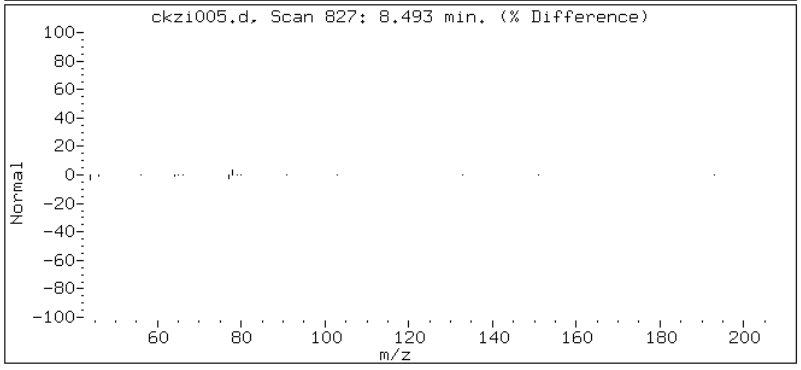
21 Carbon disulfide











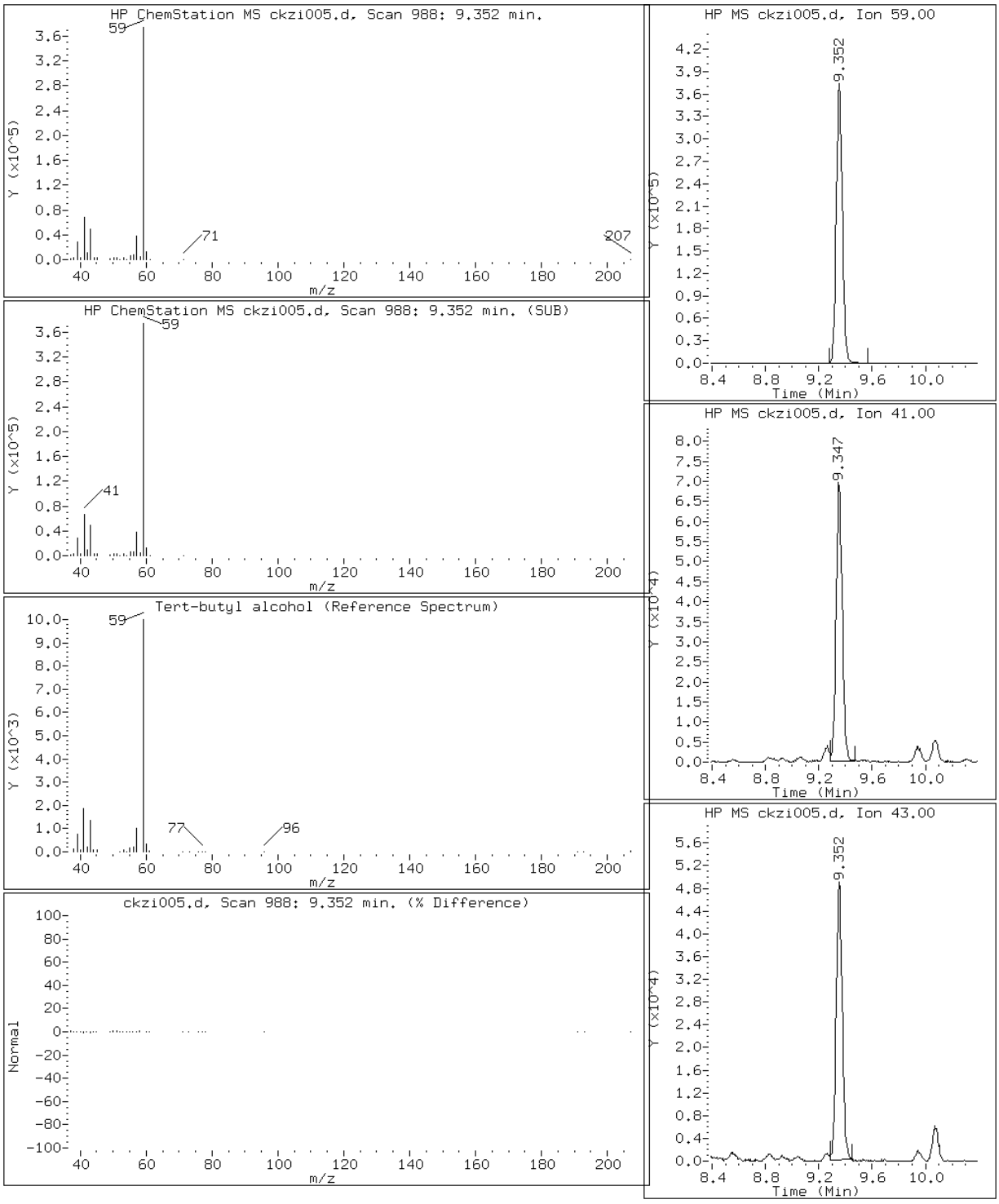
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

26 Tert-butyl alcohol



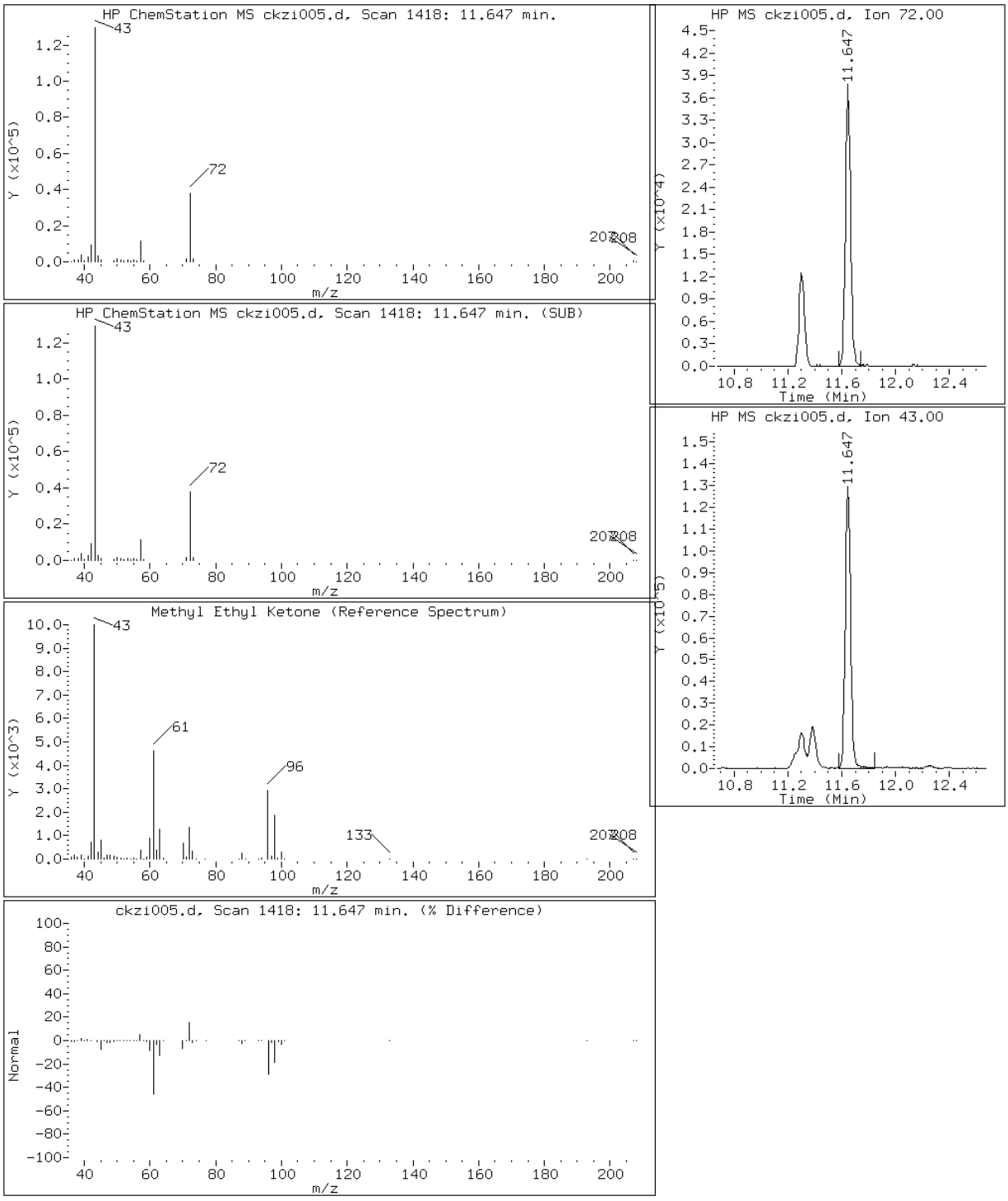
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

36 Methyl Ethyl Ketone



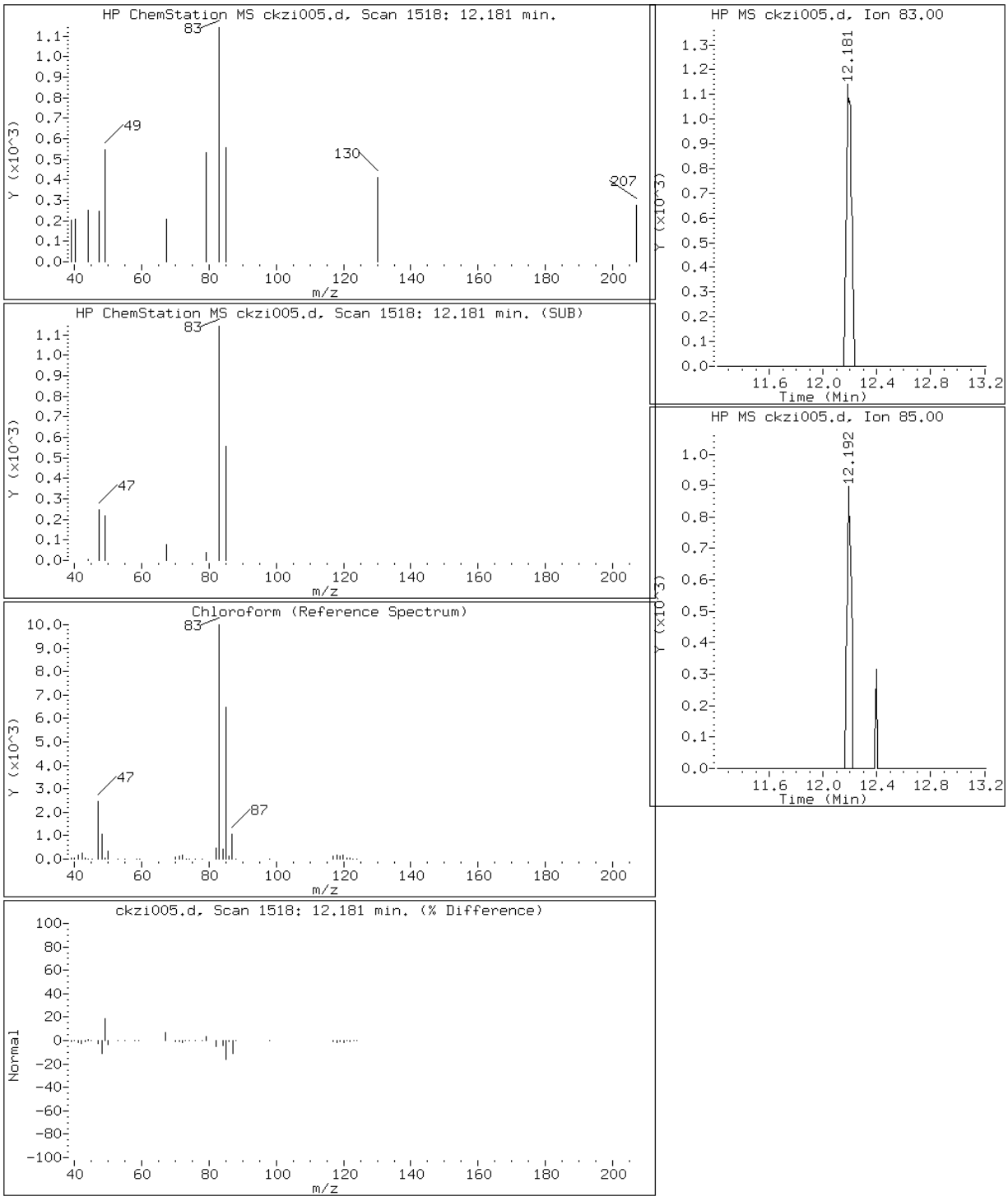
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

39 Chloroform



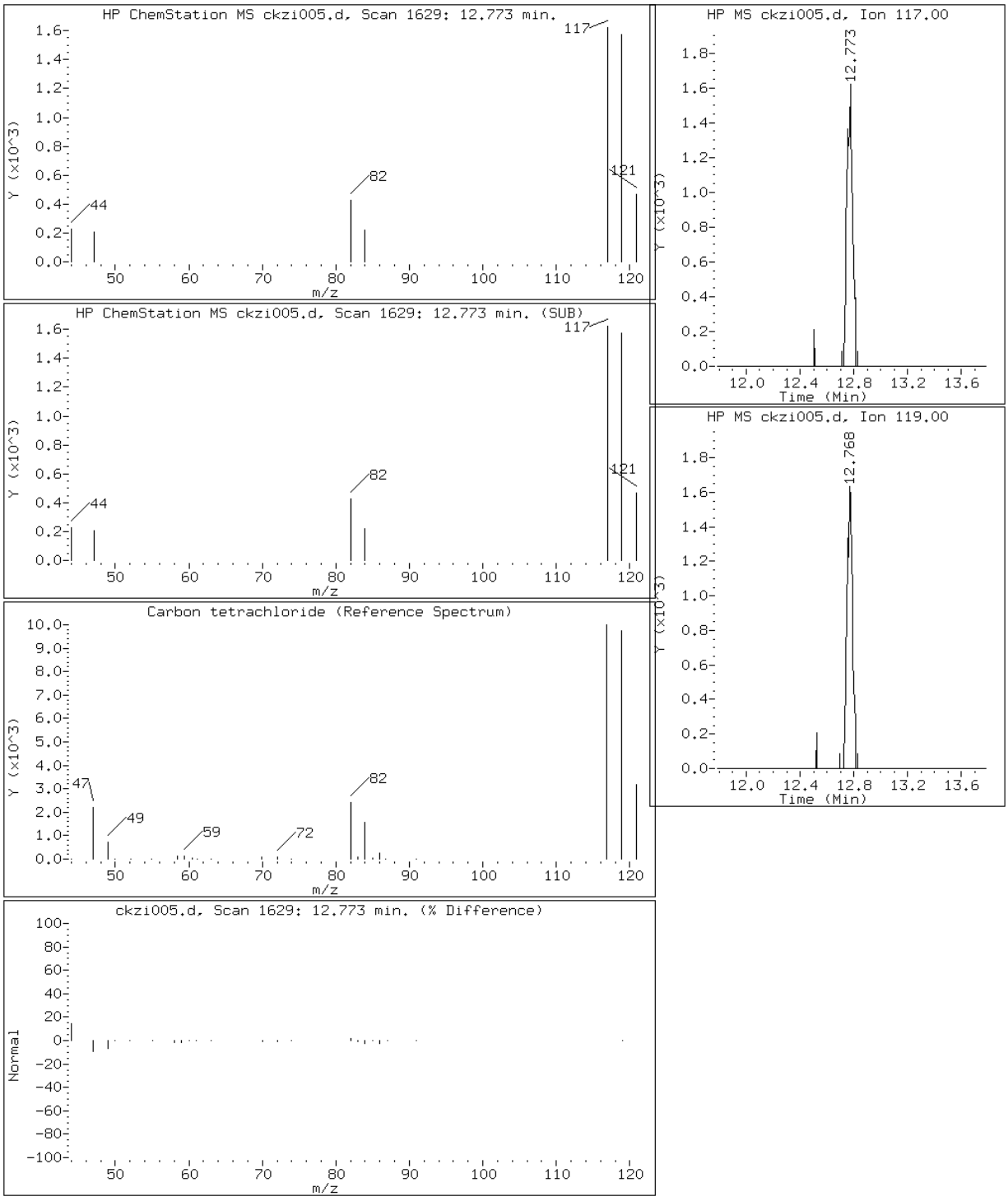
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

42 Carbon tetrachloride



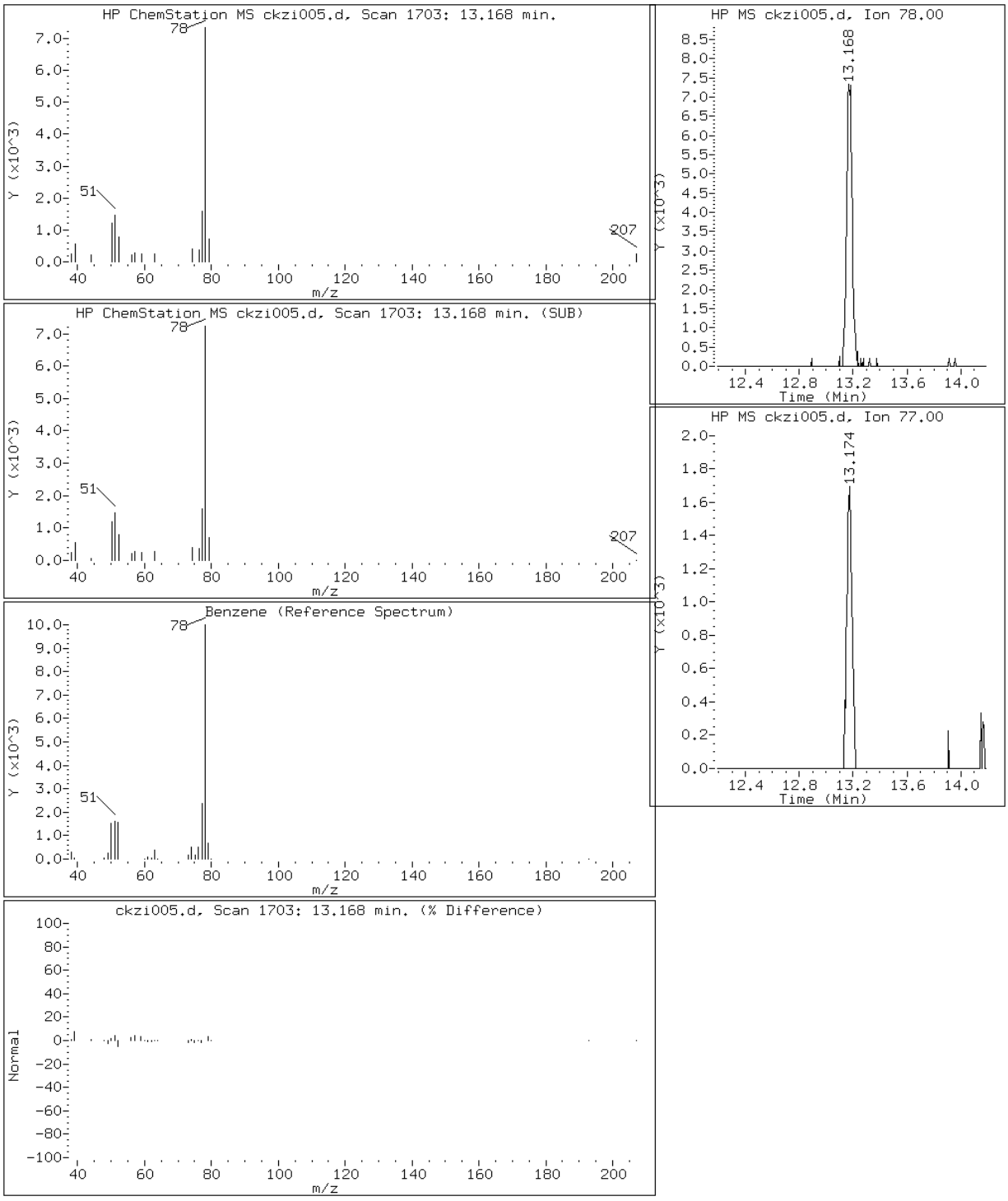
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

44 Benzene



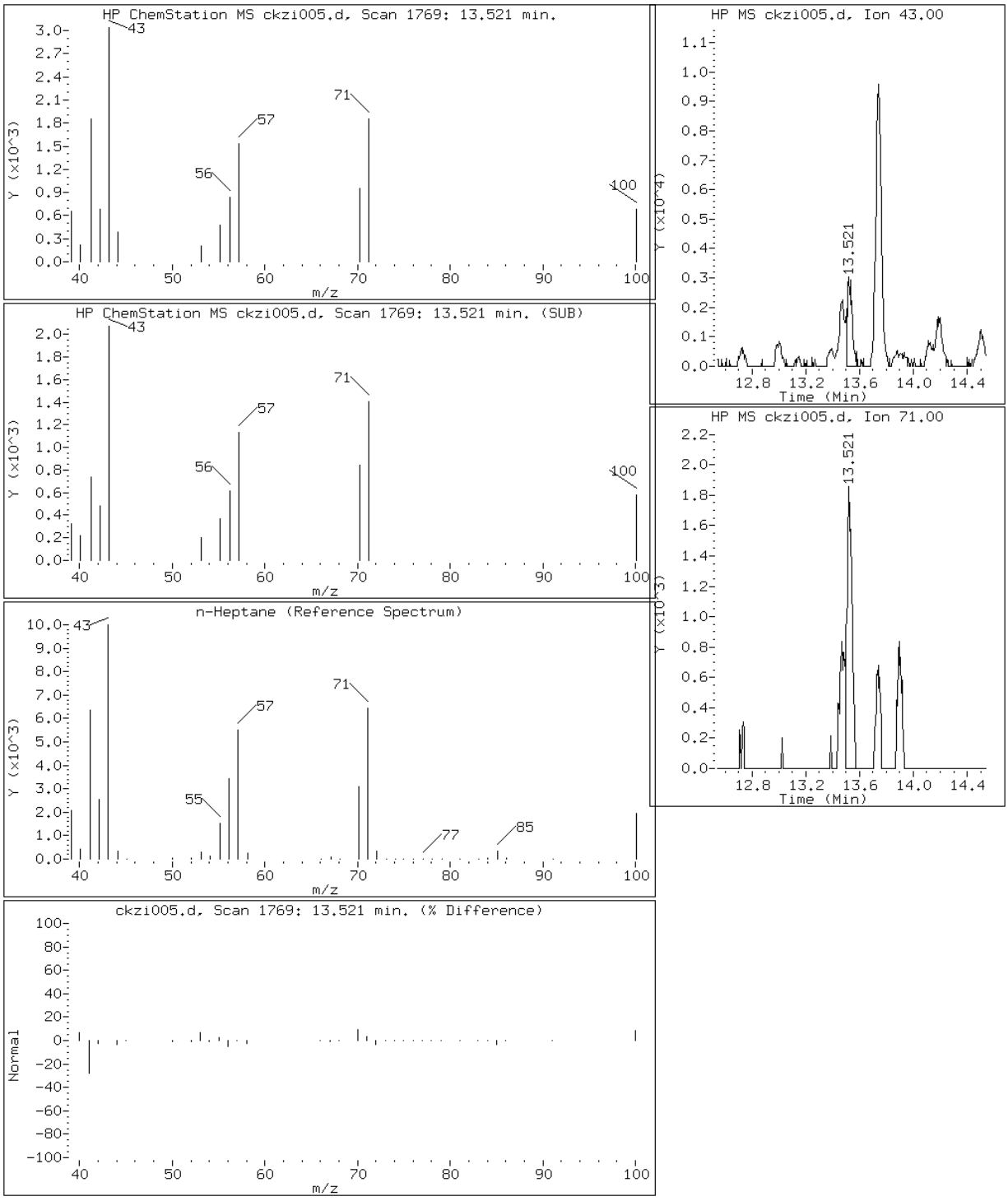
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

46 n-Heptane



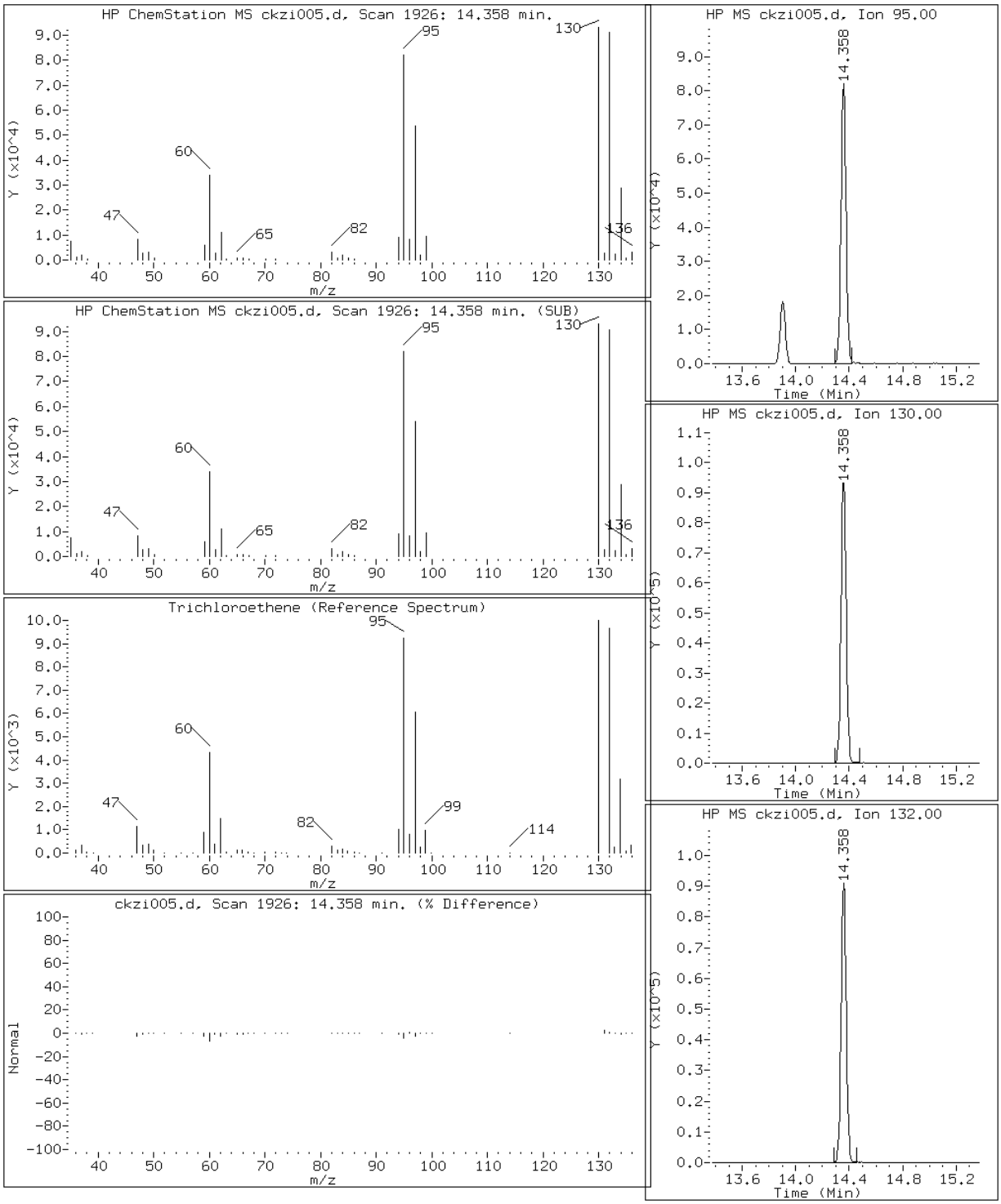
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

49 Trichloroethene



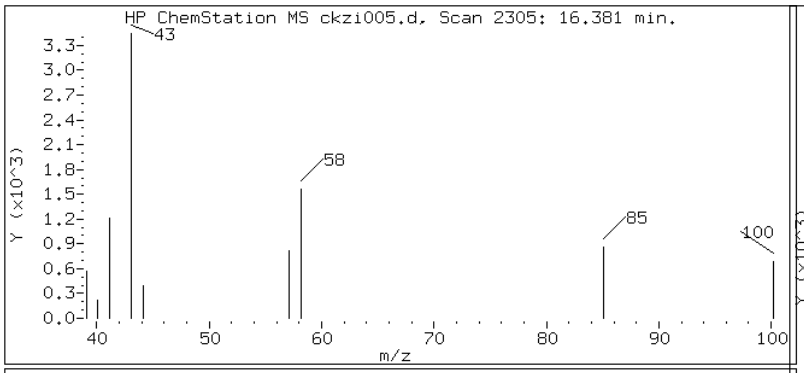
Data File: ckzi005.d

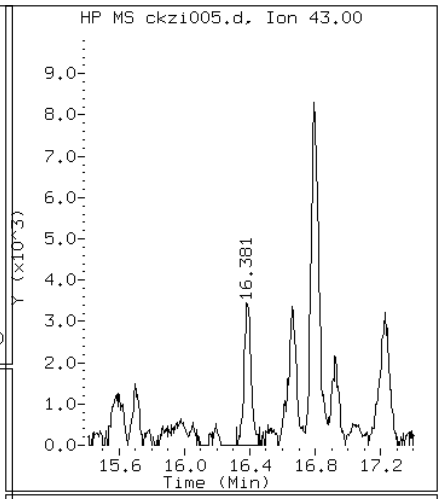
Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

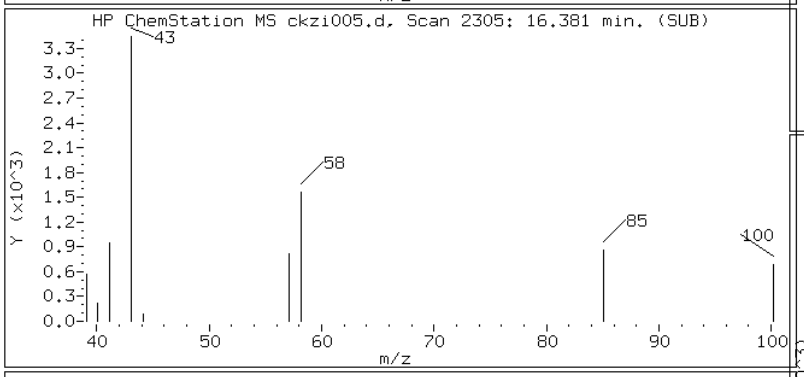
Client ID: 786VMP0302AG Instrument: C.i

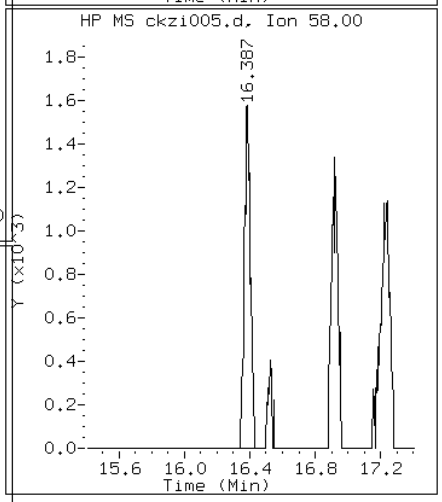
Sample Info: 280-32071-A-12 Operator: wrd

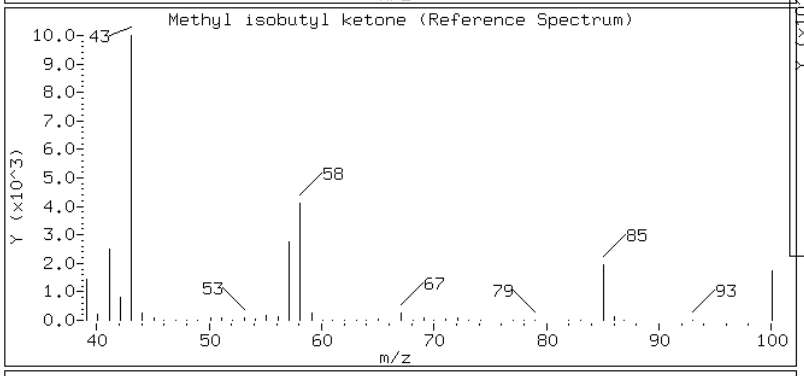
56 Methyl isobutyl ketone

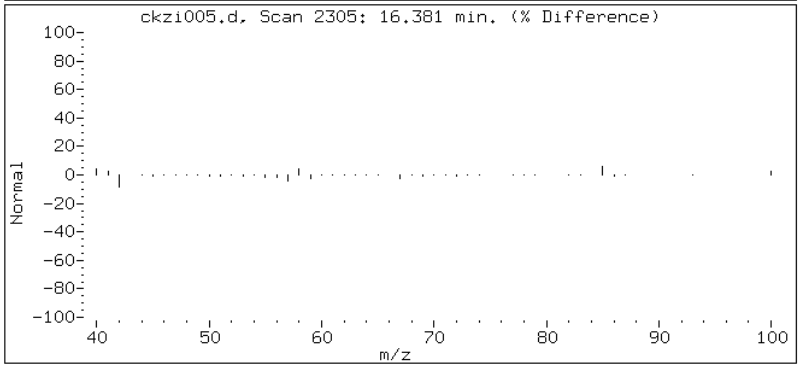












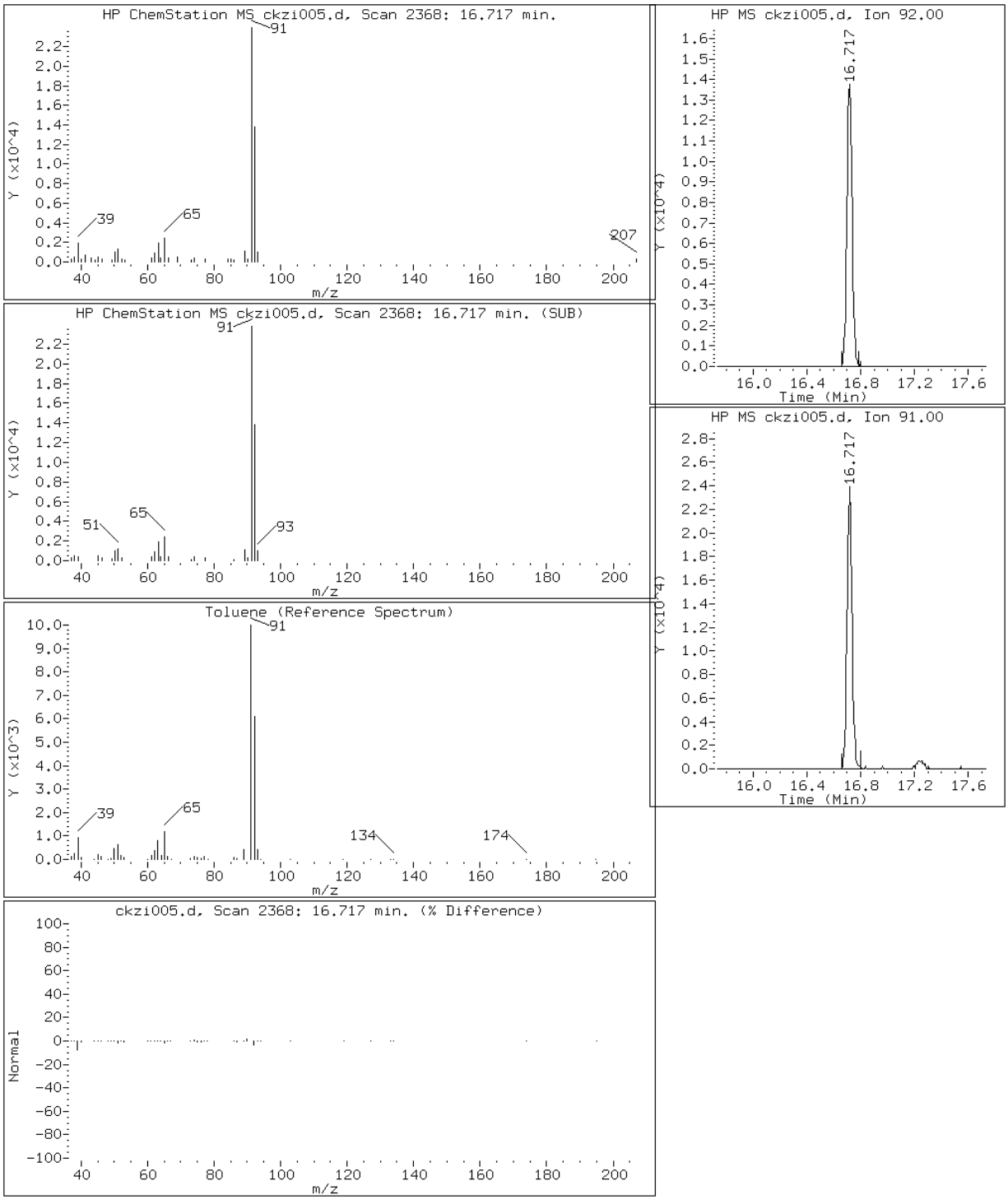
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

58 Toluene



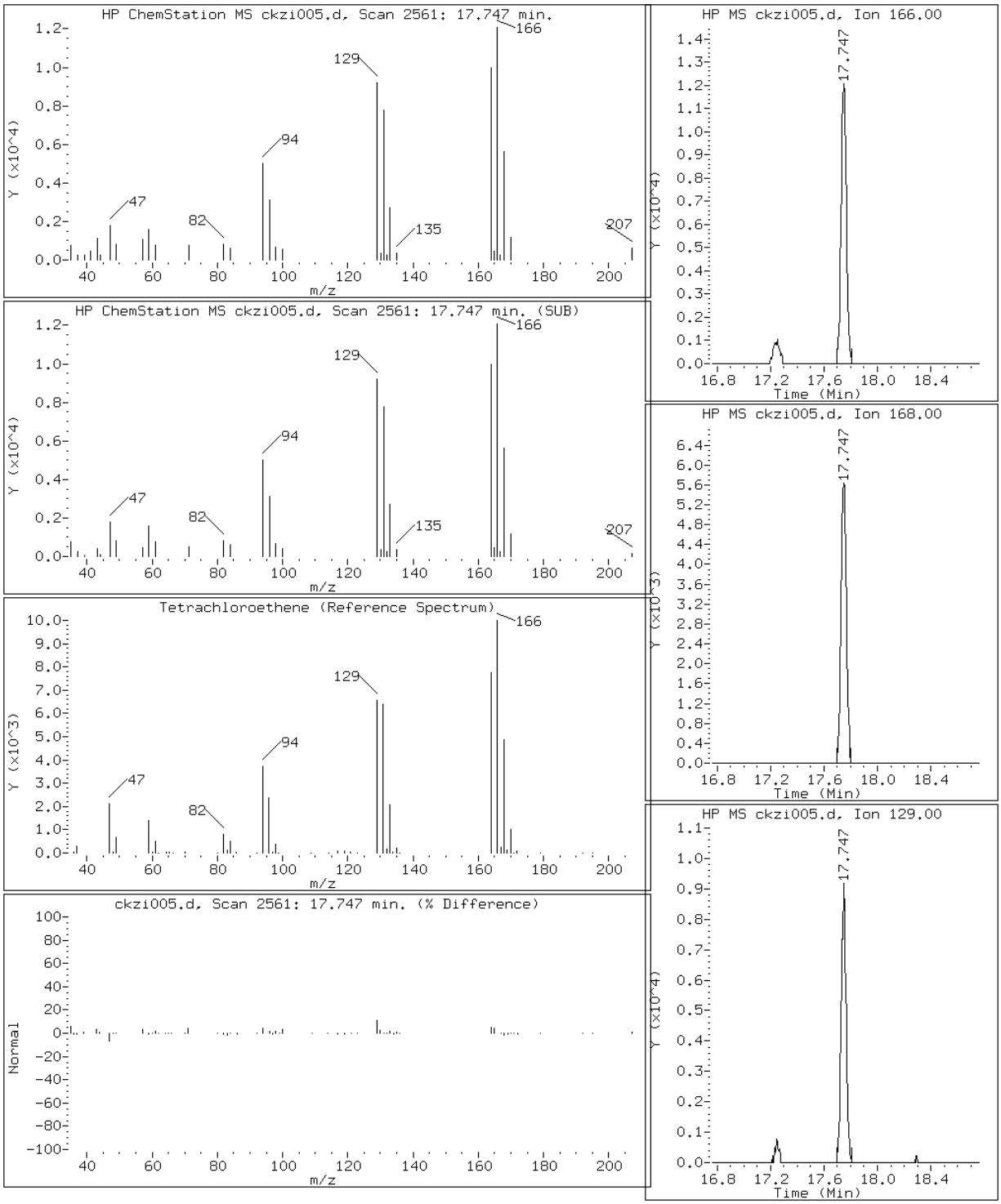
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

61 Tetrachloroethene



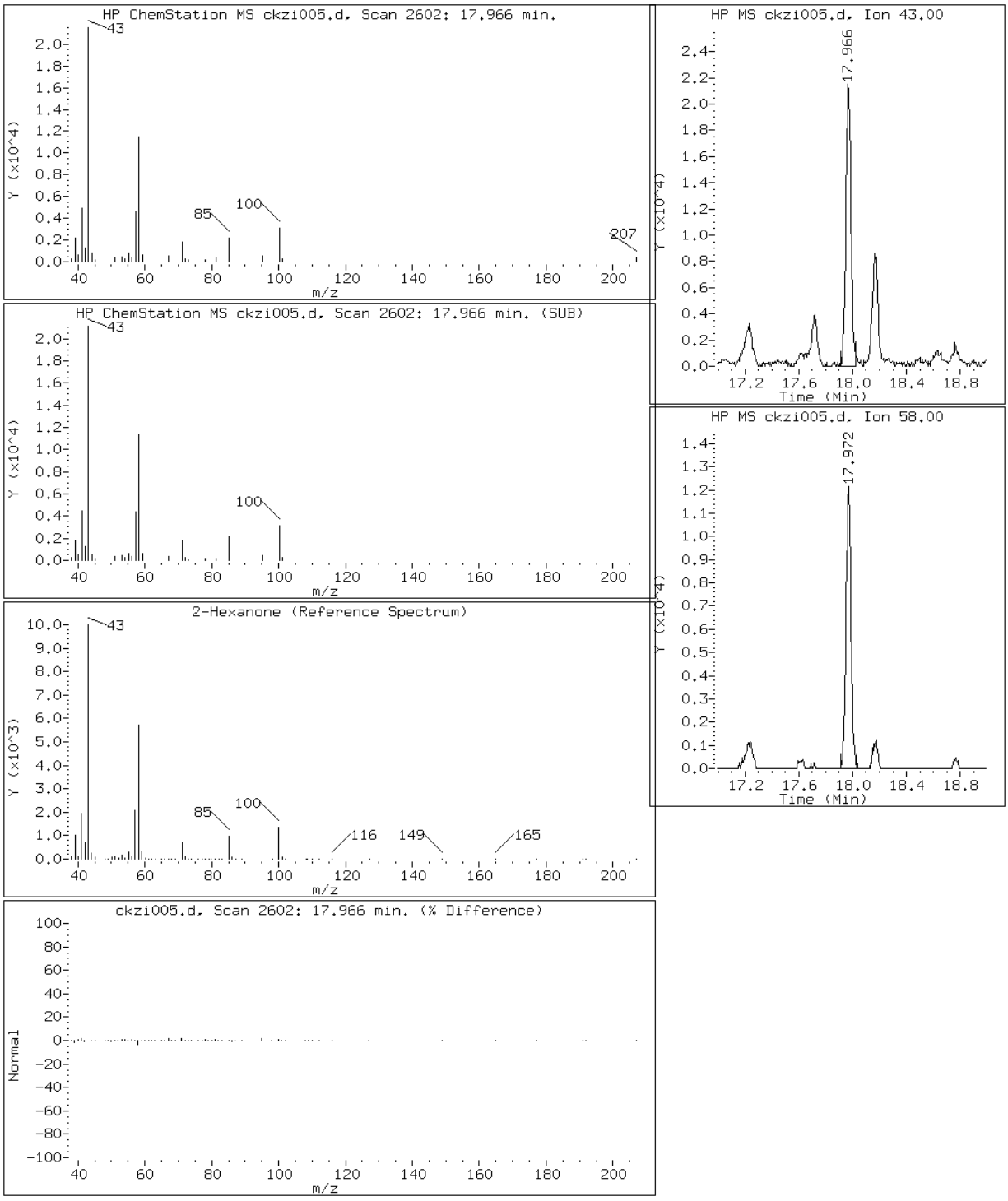
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

62 2-Hexanone



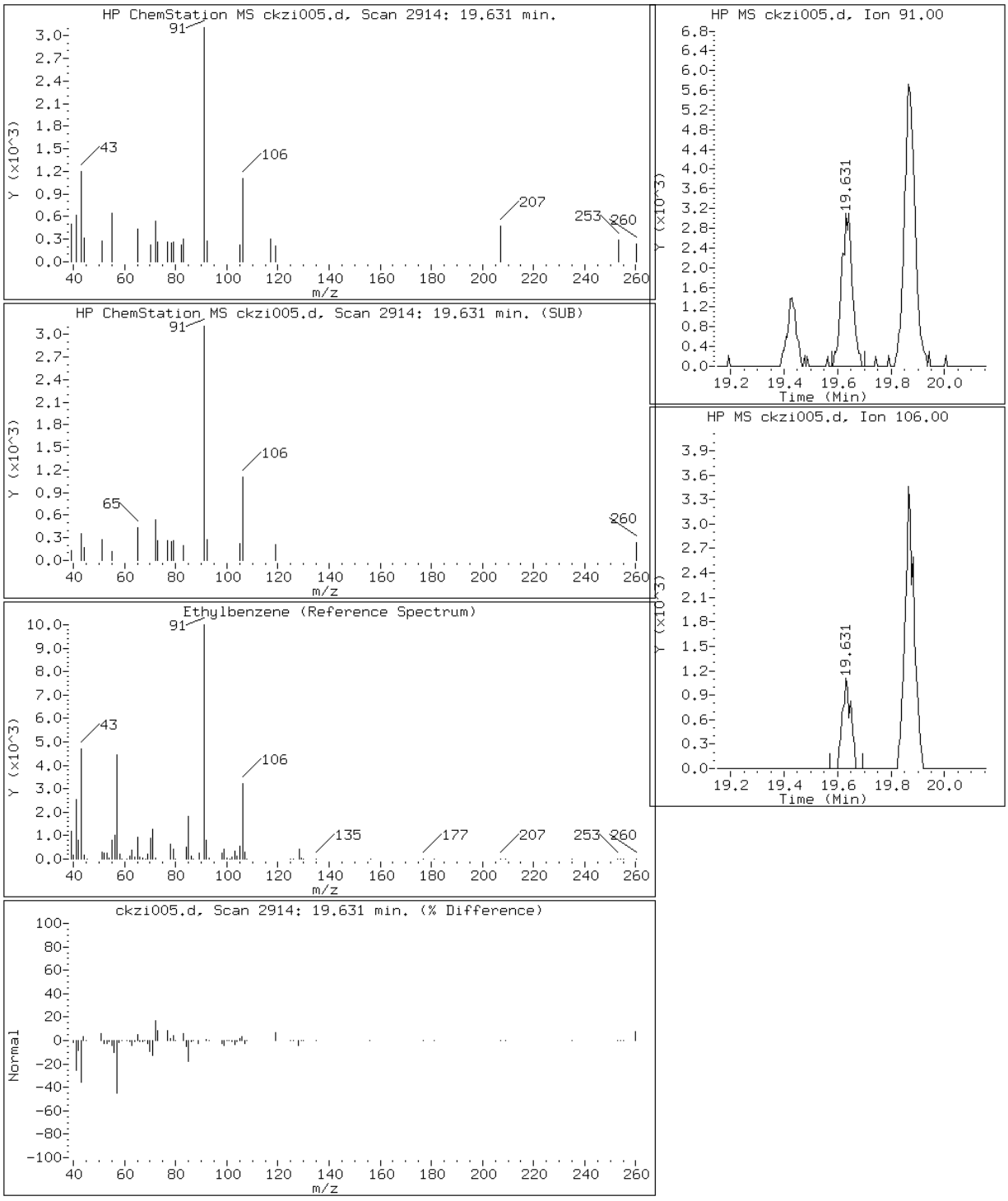
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

68 Ethylbenzene



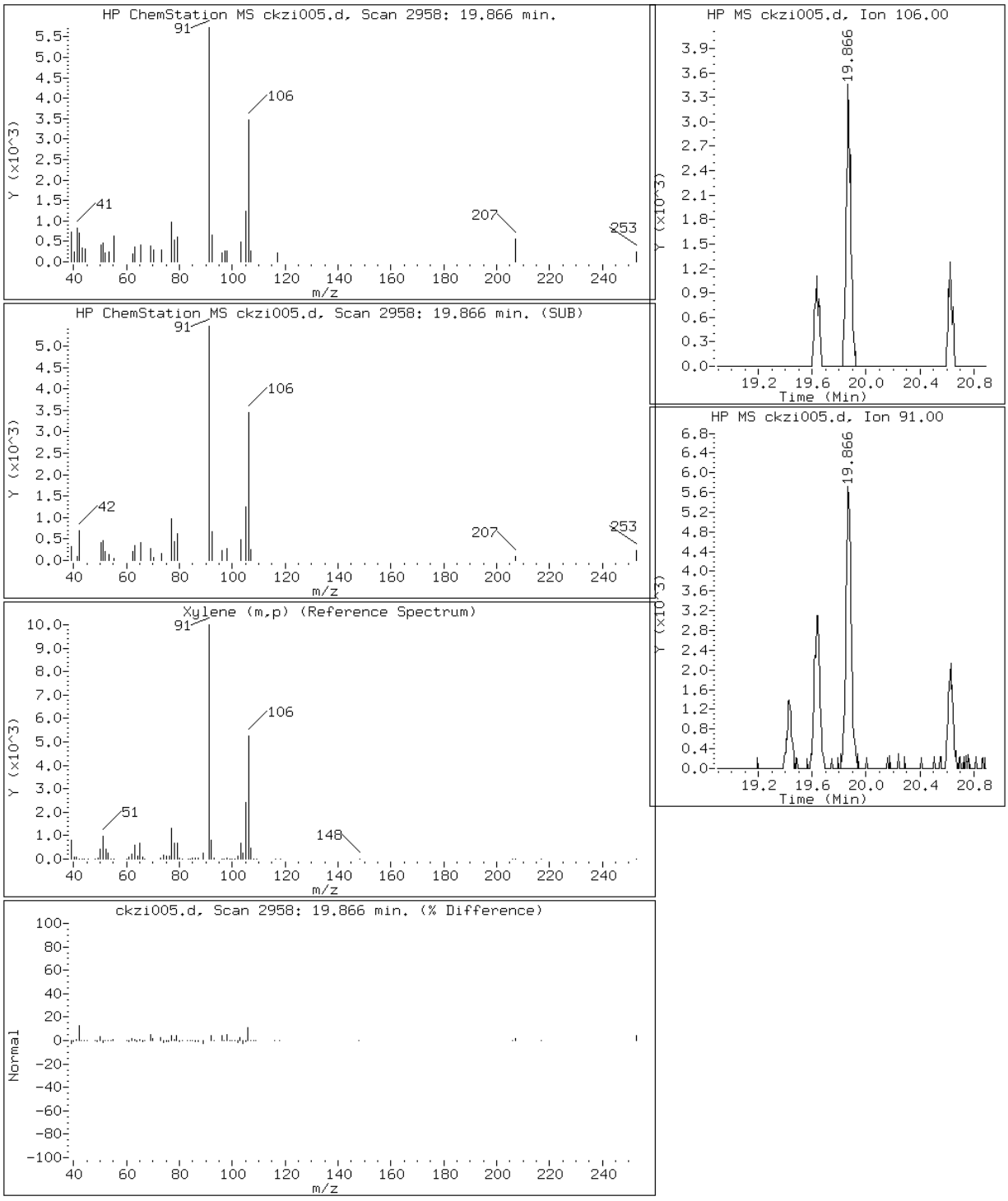
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

69 Xylene (m,p)



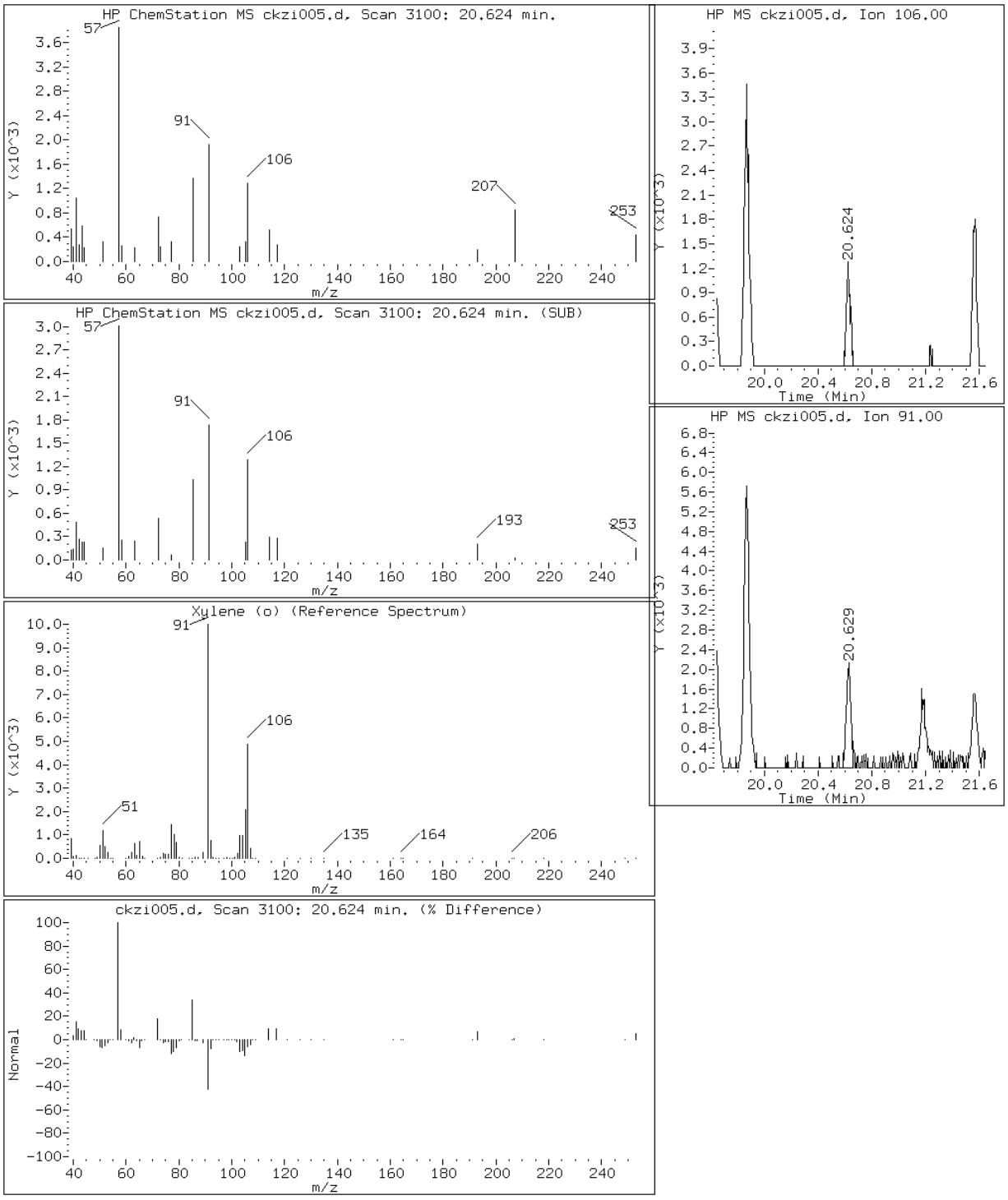
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

71 Xylene (o)



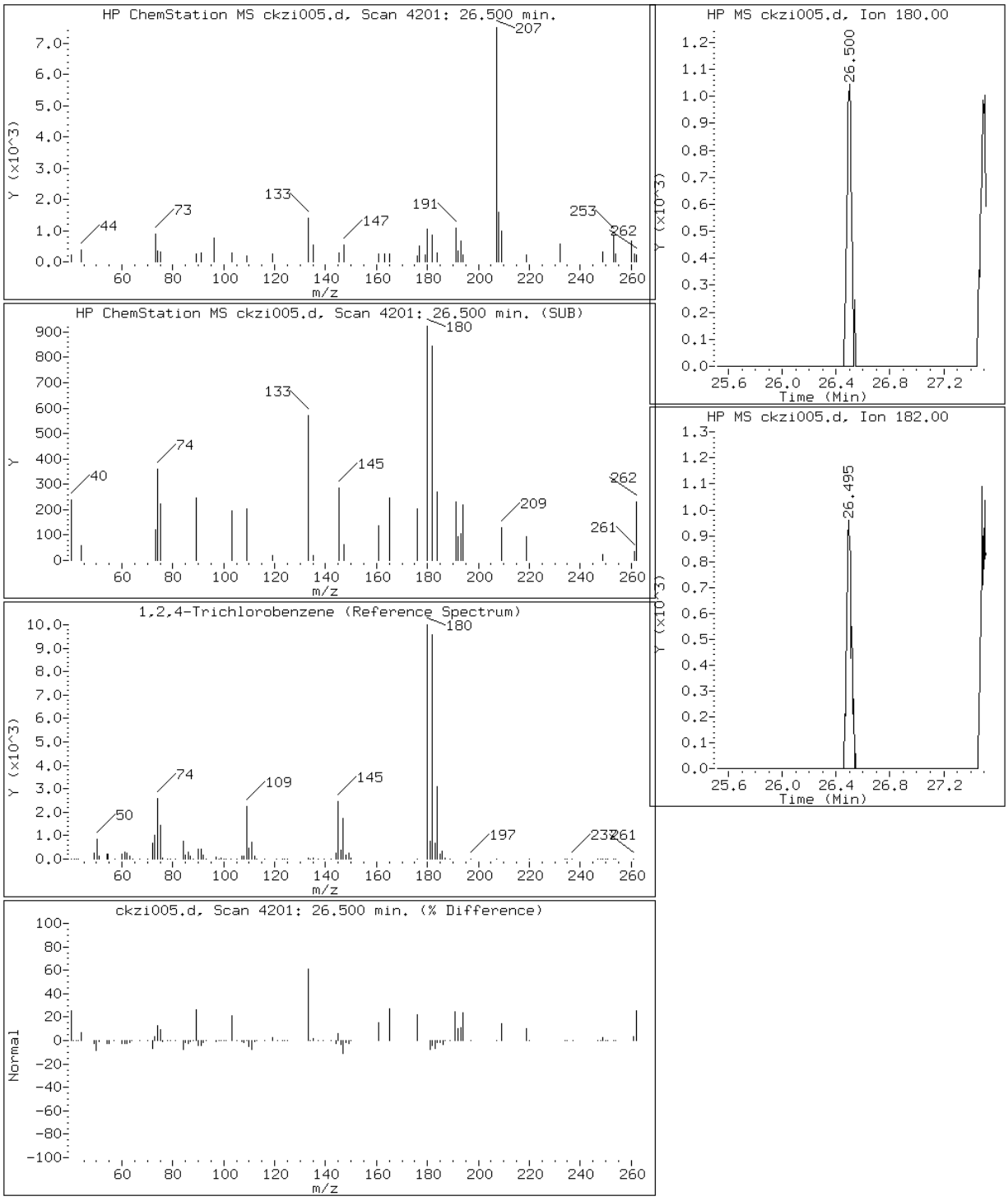
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

94 1,2,4-Trichlorobenzene



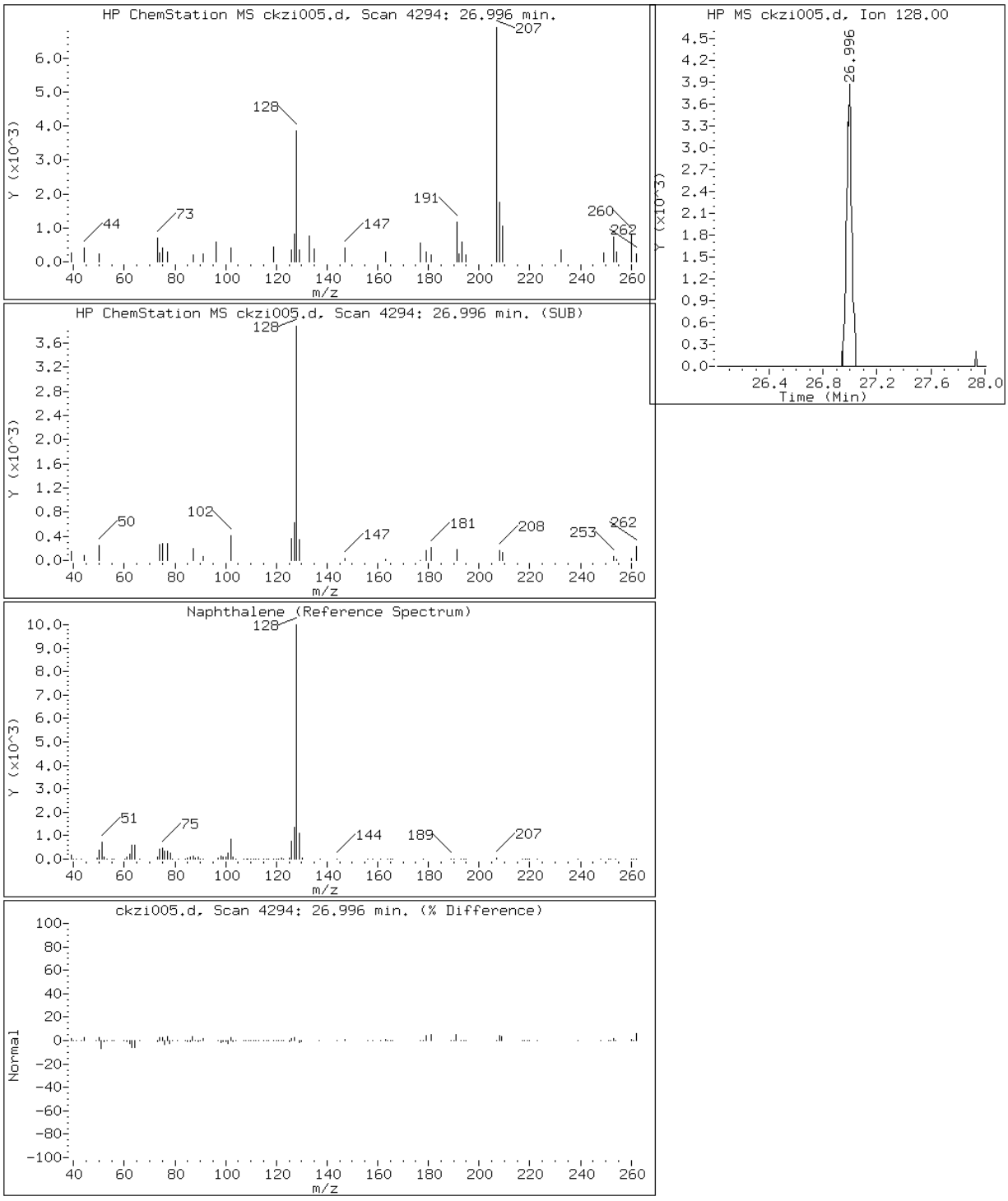
Data File: ckzi005.d

Lab Sample ID: 280-32071-12 Date: 27-AUG-2012 13:58

Client ID: 786VMP0302AG Instrument: C.i

Sample Info: 280-32071-A-12 Operator: wrd

96 Naphthalene



Manual Integration Report

Data File: ckzi005.d
Lab Sample ID: 280-32071-12
Inj. Date and Time: 27-AUG-2012 13:58
Instrument ID: C.i
Client ID: 786VMP0302AG
Compound: 17 1,1,2-Trichloro-1,2,2-trifluo
CAS #: 76-13-1
Report Date: 08/28/2012

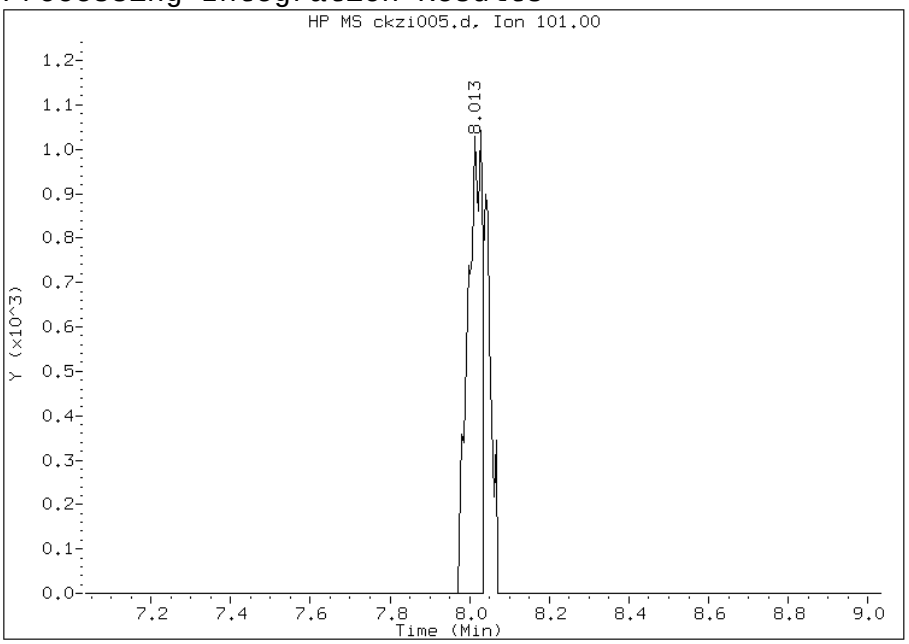
Processing Integration Results

RT: 8.01

Response: 2650

Amount: 0.041932

Conc: 0.062897



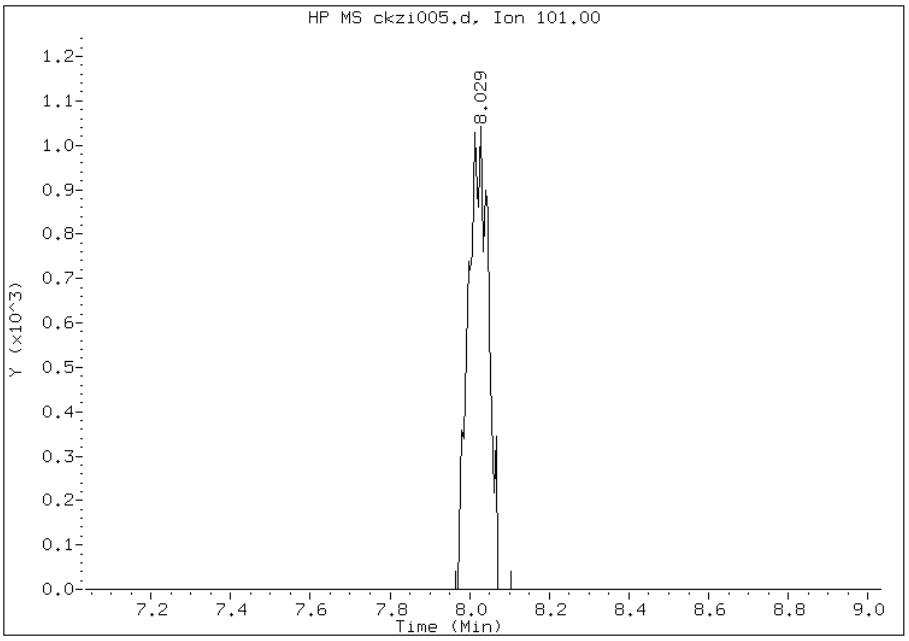
Manual Integration Results

RT: 8.03

Response: 3702

Amount: 0.058578

Conc: 0.087866



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzi005.d
Lab Sample ID: 280-32071-12
Inj. Date and Time: 27-AUG-2012 13:58
Instrument ID: C.i
Client ID: 786VMP0302AG
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/28/2012

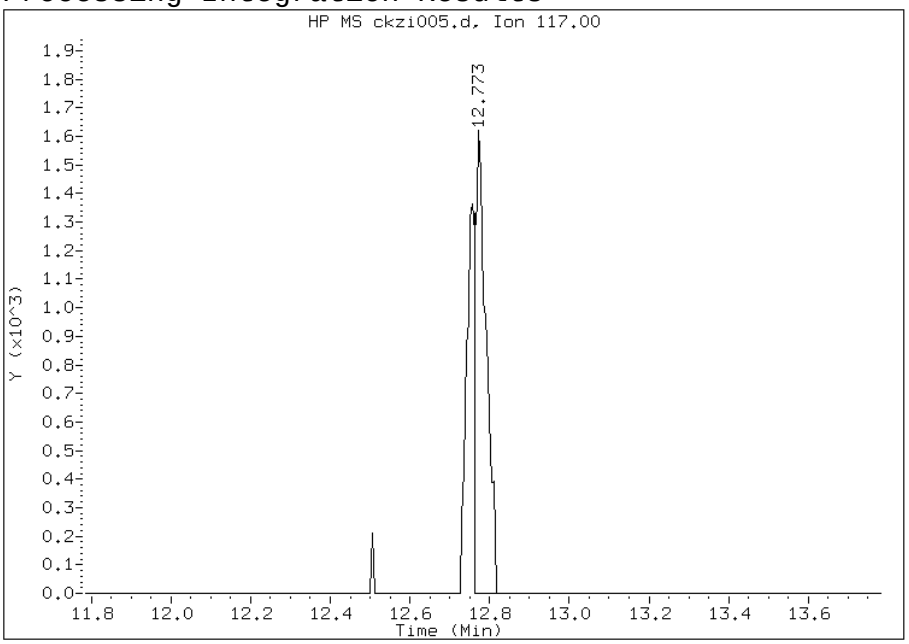
Processing Integration Results

RT: 12.77

Response: 3165

Amount: 0.038036

Conc: 0.057054



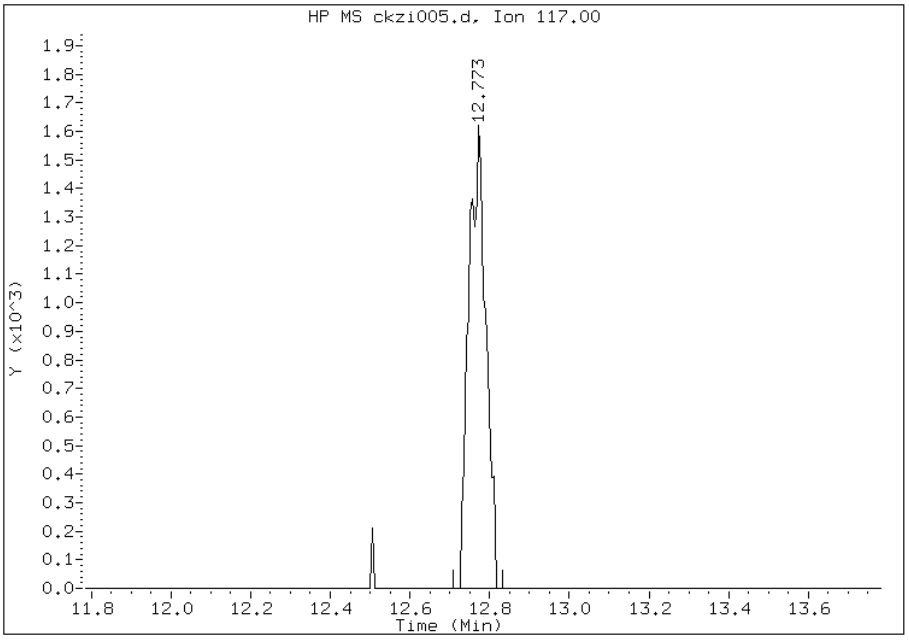
Manual Integration Results

RT: 12.77

Response: 4827

Amount: 0.058009

Conc: 0.087014



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzi005.d
Lab Sample ID: 280-32071-12
Inj. Date and Time: 27-AUG-2012 13:58
Instrument ID: C.i
Client ID: 786VMP0302AG
Compound: 68 Ethylbenzene
CAS #: 100-41-4
Report Date: 08/28/2012

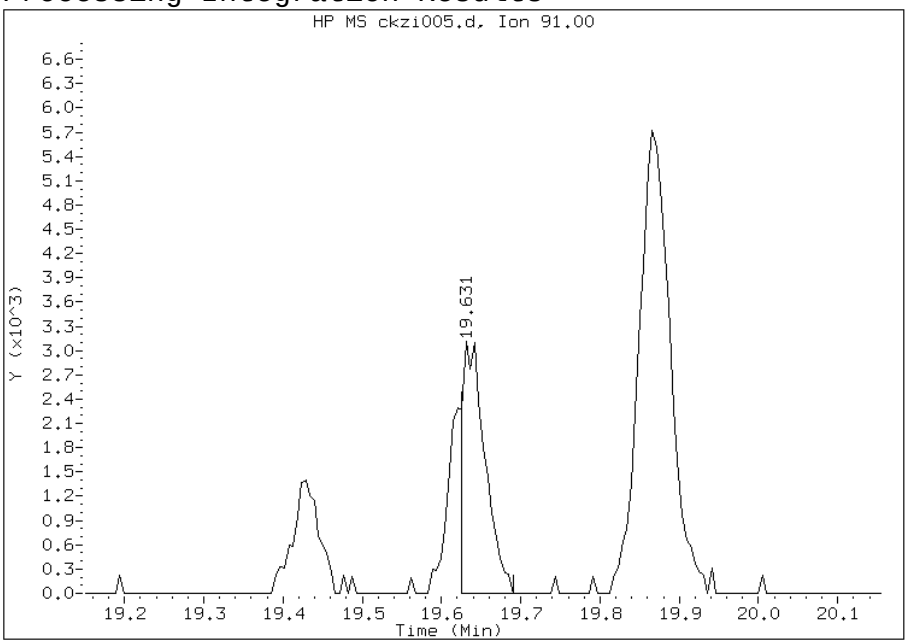
Processing Integration Results

RT: 19.63

Response: 6238

Amount: 0.037136

Conc: 0.055704



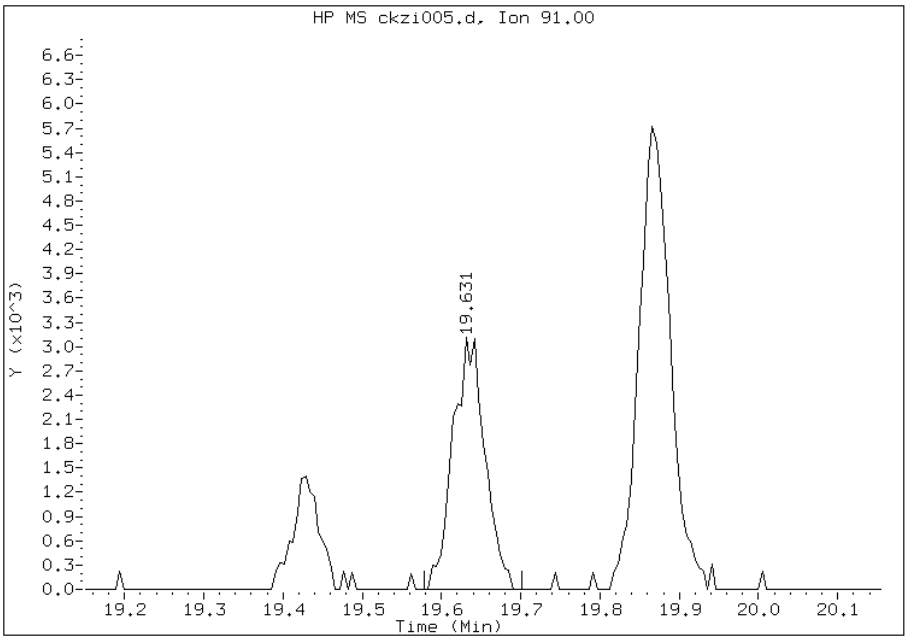
Manual Integration Results

RT: 19.63

Response: 8710

Amount: 0.051853

Conc: 0.077779



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776CA01AG Lab Sample ID: 280-32071-13

Matrix: Air Lab File ID: ckzg019.d

Analysis Method: TO-15 Date Collected: 08/03/2012 14:30

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.50	0.020
75-45-6	Freon 22	86.47	27		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.34	J	0.50	0.034
106-97-8	n-Butane	58.12	0.73		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	11		0.20	0.021
76-13-1	Freon TF	187.38	0.11	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	9.5		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	3.2	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.15	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.18	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.19	J	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.84		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.99		0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.47	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.53		0.20	0.020
110-82-7	Cyclohexane	84.16	0.10	J	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.086	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.092	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776CA01AG Lab Sample ID: 280-32071-13

Matrix: Air Lab File ID: ckzg019.d

Analysis Method: TO-15 Date Collected: 08/03/2012 14:30

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.091	J	0.20	0.017
79-01-6	Trichloroethene	131.39	36		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.069	J	0.50	0.034
108-88-3	Toluene	92.14	0.32		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.22		0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.087	J	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.23	J	0.50	0.022
95-47-6	Xylene, o-	106.17	0.097	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.33		0.20	0.016
100-42-5	Styrene	104.15	0.034	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.14	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.062	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.14	J	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776CA01AG Lab Sample ID: 280-32071-13

Matrix: Air Lab File ID: ckzg019.d

Analysis Method: TO-15 Date Collected: 08/03/2012 14:30

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.36	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776CA01AG Lab Sample ID: 280-32071-13

Matrix: Air Lab File ID: ckzg019.d

Analysis Method: TO-15 Date Collected: 08/03/2012 14:30

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	7.1		2.5	0.099
75-45-6	Freon 22	86.47	94		1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.71	J	1.0	0.070
106-97-8	n-Butane	58.12	1.7		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	61		1.1	0.12
76-13-1	Freon TF	187.38	0.82	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	23		12	0.95
67-63-0	Isopropyl alcohol	60.10	7.9	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.46	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.64	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.66	J	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	2.5		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	4.9		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.4	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	2.9		1.1	0.11
110-82-7	Cyclohexane	84.16	0.36	J	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.54	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.30	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776CA01AG Lab Sample ID: 280-32071-13

Matrix: Air Lab File ID: ckzg019.d

Analysis Method: TO-15 Date Collected: 08/03/2012 14:30

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.37	J	0.82	0.070
79-01-6	Trichloroethene	131.39	190		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.28	J	2.0	0.14
108-88-3	Toluene	92.14	1.2		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	1.5		1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.38	J	0.87	0.065
179601-23-1	m,p-Xylene	106.17	0.99	J	2.2	0.096
95-47-6	Xylene, o-	106.17	0.42	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.4		0.87	0.069
100-42-5	Styrene	104.15	0.15	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.69	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.34	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.81	J	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 774776CA01AG Lab Sample ID: 280-32071-13

Matrix: Air Lab File ID: ckzg019.d

Analysis Method: TO-15 Date Collected: 08/03/2012 14:30

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	1.9	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-13
Client Smp ID: 774776CA01AG
Inj Date : 23-AUG-2012 03:46
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-13
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	123435	1.43321	1.4
3 Chlorodifluoromethane	51	4.357	4.363	(0.360)	1151735	26.5364	27
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	8270	0.34434	0.34(a)
6 Butane	43	5.078	5.078	(0.420)	31060	0.73115	0.73
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.850	6.860	(0.567)	986626	10.8622	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	6794	0.10698	0.11(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.264	8.269	(0.684)	329372	9.53632	9.5

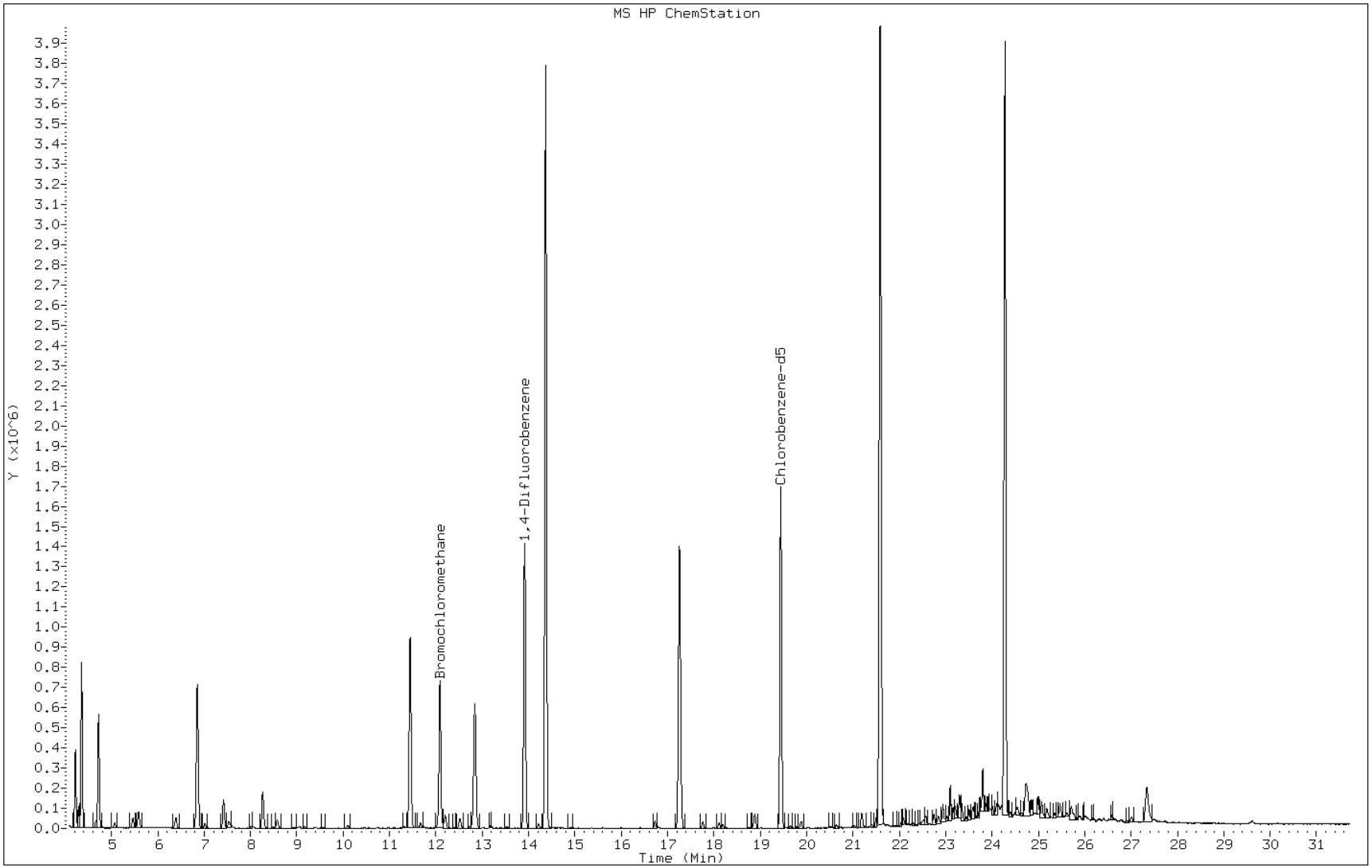
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	12441	0.14859	0.15(a)
	22 Isopropanol	45	8.579	8.573	(0.710)	78345	3.22854	3.2(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.166	9.177	(0.758)	5411	0.18365	0.18(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	8942	0.18837	0.19(a)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.679	11.674	(0.966)	11046	0.84170	0.84(Q)
*	37 Bromochloromethane	128	12.090	12.096	(1.000)	313672	10.0000	
	38 Tetrahydrofuran	42	12.149	12.139	(0.873)	13100	0.47118	0.47(a)
	39 Chloroform	83	12.202	12.213	(1.009)	69686	0.99451	0.99
	40 Cyclohexane	84	12.539	12.544	(0.901)	5134	0.10349	0.10(aQ)
	41 1,1,1-Trichloroethane	97	12.517	12.528	(0.900)	43097	0.53385	0.53
	42 Carbon tetrachloride	117	12.779	12.784	(0.918)	7298	0.08563	0.086(a)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.190	13.190	(0.948)	9684	0.09245	0.092(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.542	13.542	(0.973)	5097	0.09142	0.091(a)
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1768554	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	1772998	35.9667	36
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	3401	0.06877	0.069(a)
	58 Toluene	92	16.728	16.734	(0.860)	25262	0.31951	0.32
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.758	17.764	(0.913)	16398	0.21997	0.22
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	1649256	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.010)	14438	0.08681	0.087(a)
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	15870	0.22905	0.23(a)
M	70 Xylenes, Total	106				22368	0.32592	0.33
	71 Xylene (o)	106	20.640	20.646	(1.061)	6498	0.09687	0.097(a)
	72 Styrene	104	20.672	20.678	(1.063)	3252	0.03428	0.034(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.738	22.748	(1.169)	21956	0.14008	0.14(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.164	23.170	(1.191)	12083	0.06217	0.062(a)
87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	14953	0.13544	0.14(a)
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	32961	0.36168	0.36(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzg019.d	Date:	23-AUG-2012 03:46
Client ID:	774776CA01AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-13		
Lab Sample ID:	280-32071-13		



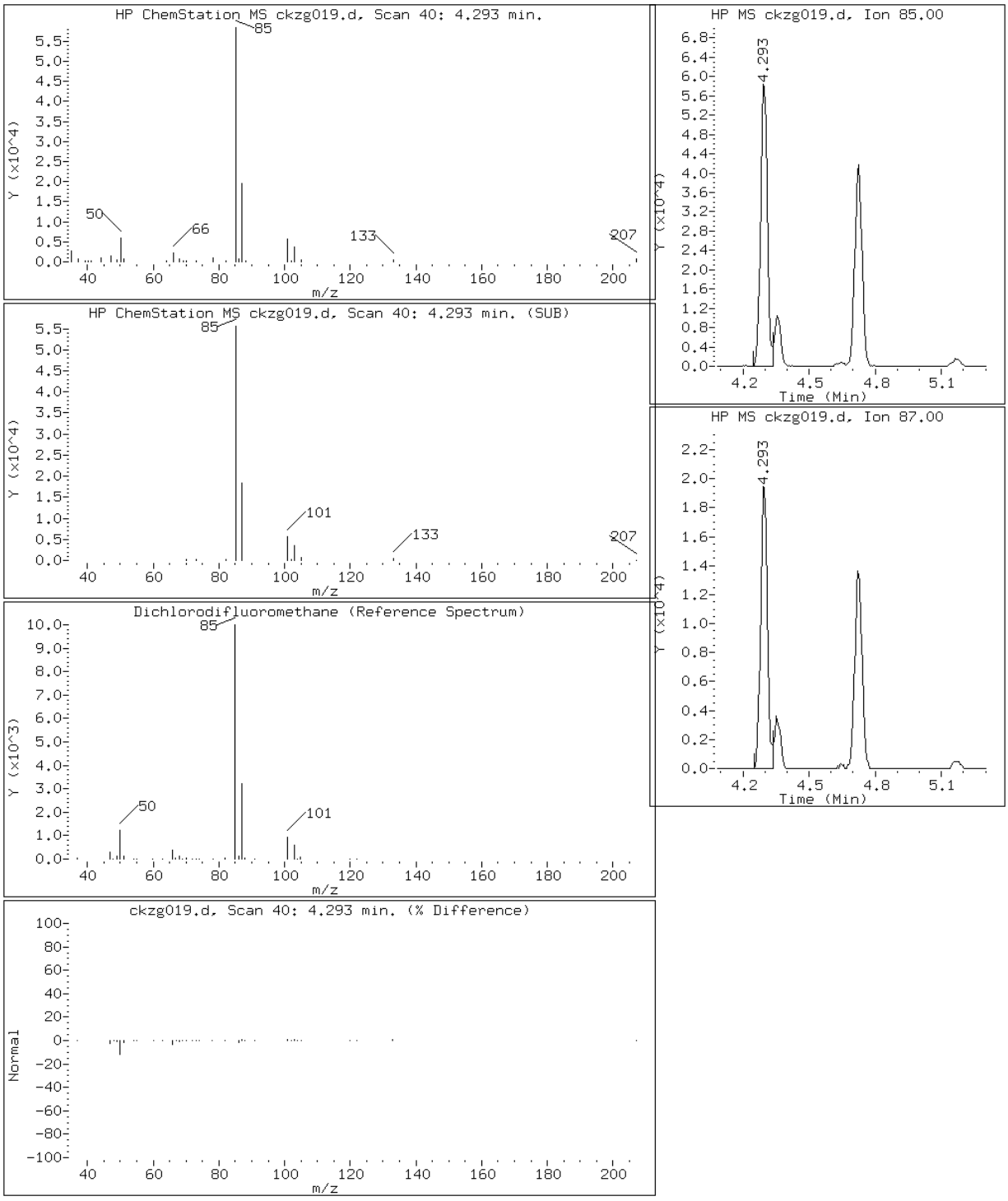
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

2 Dichlorodifluoromethane



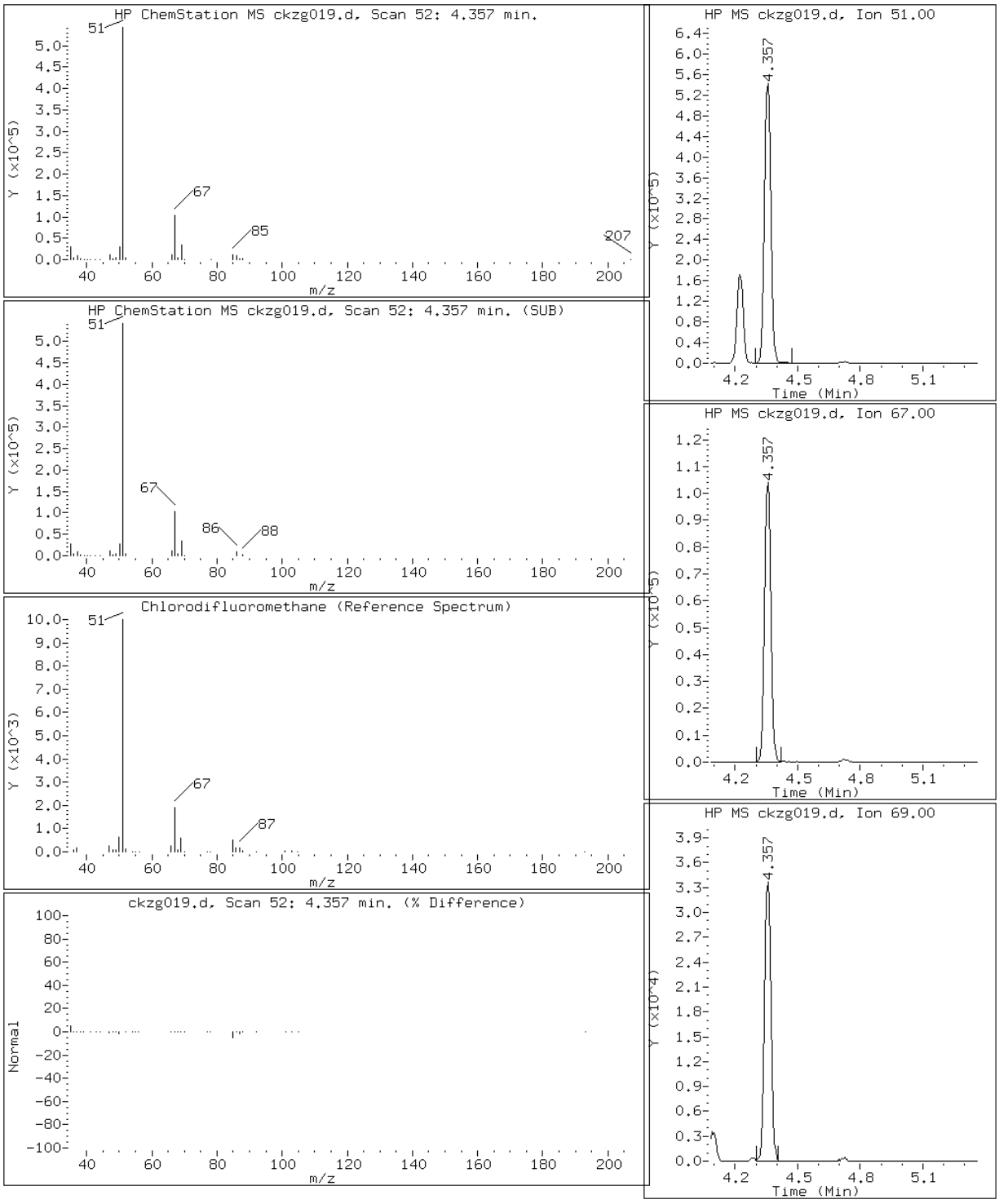
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

3 Chlorodifluoromethane



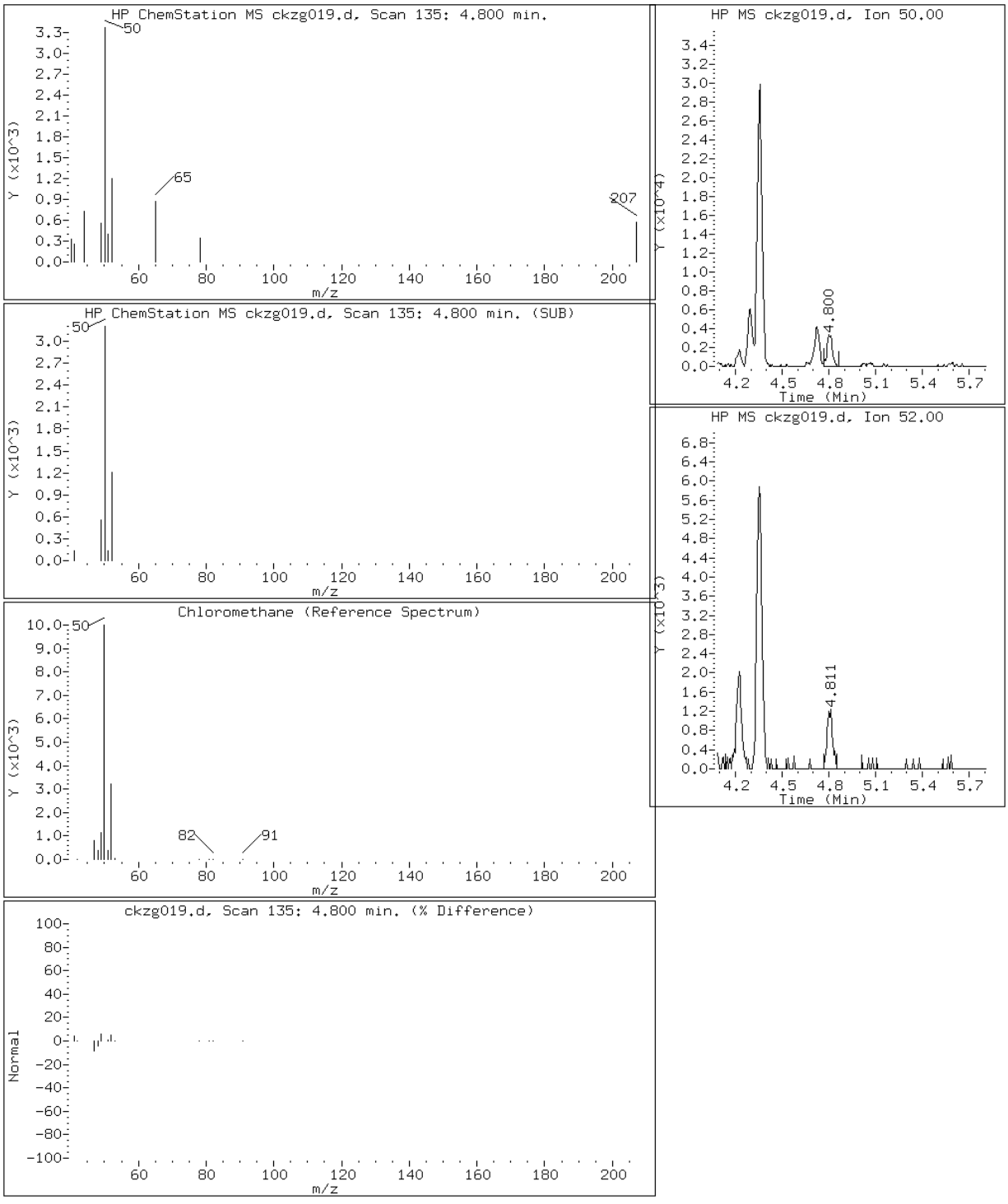
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

5 Chloromethane



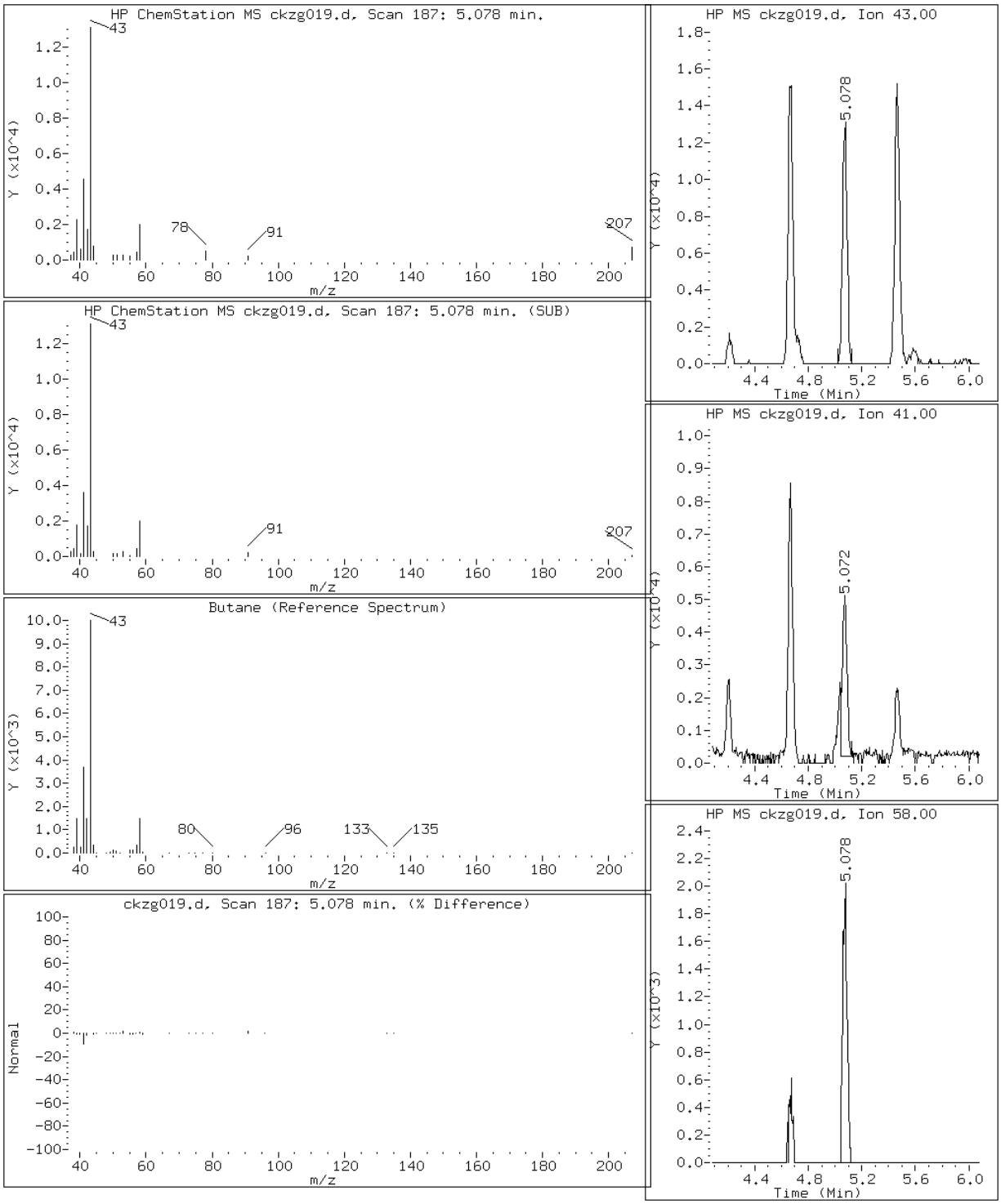
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

6 Butane



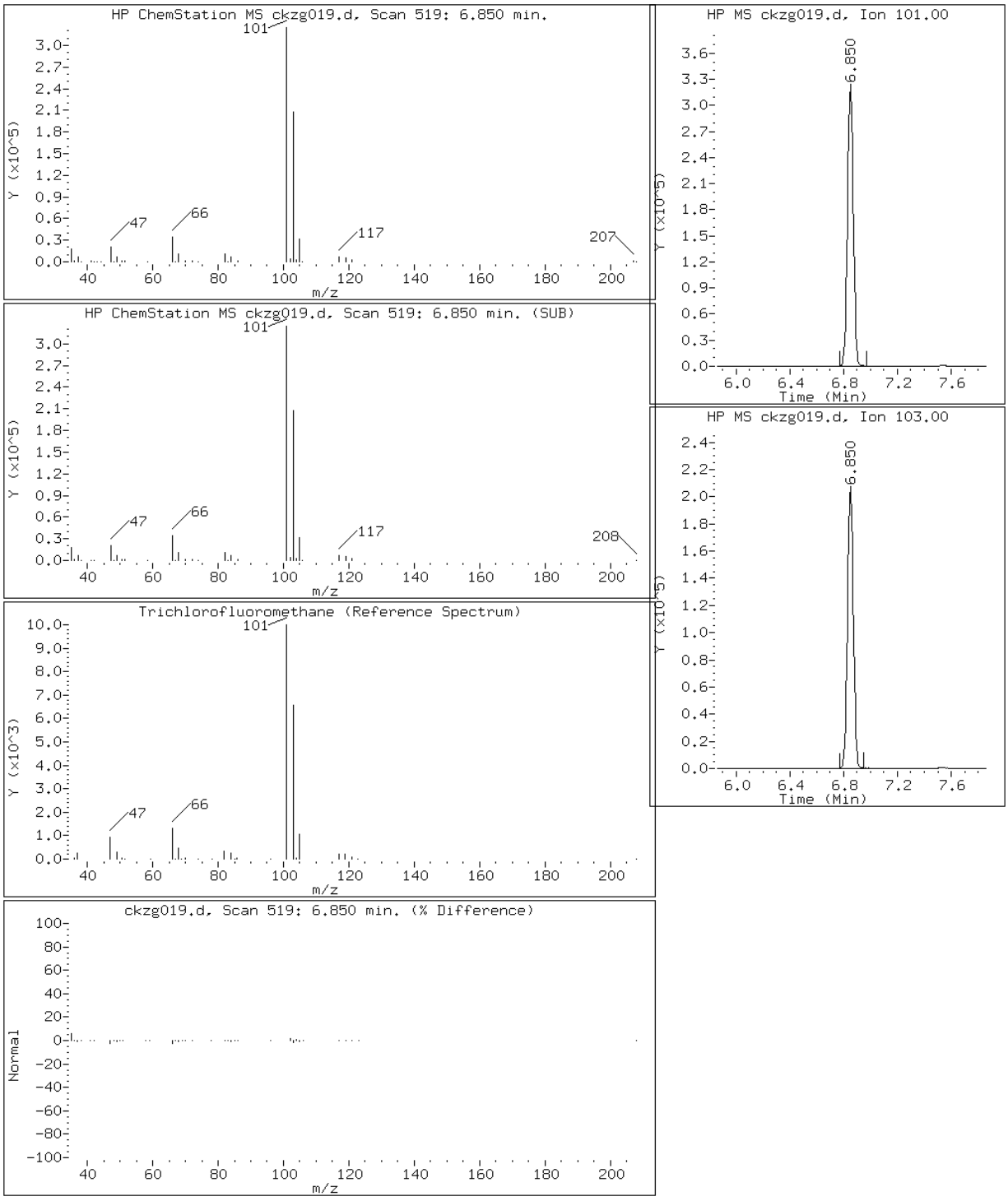
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

13 Trichlorofluoromethane



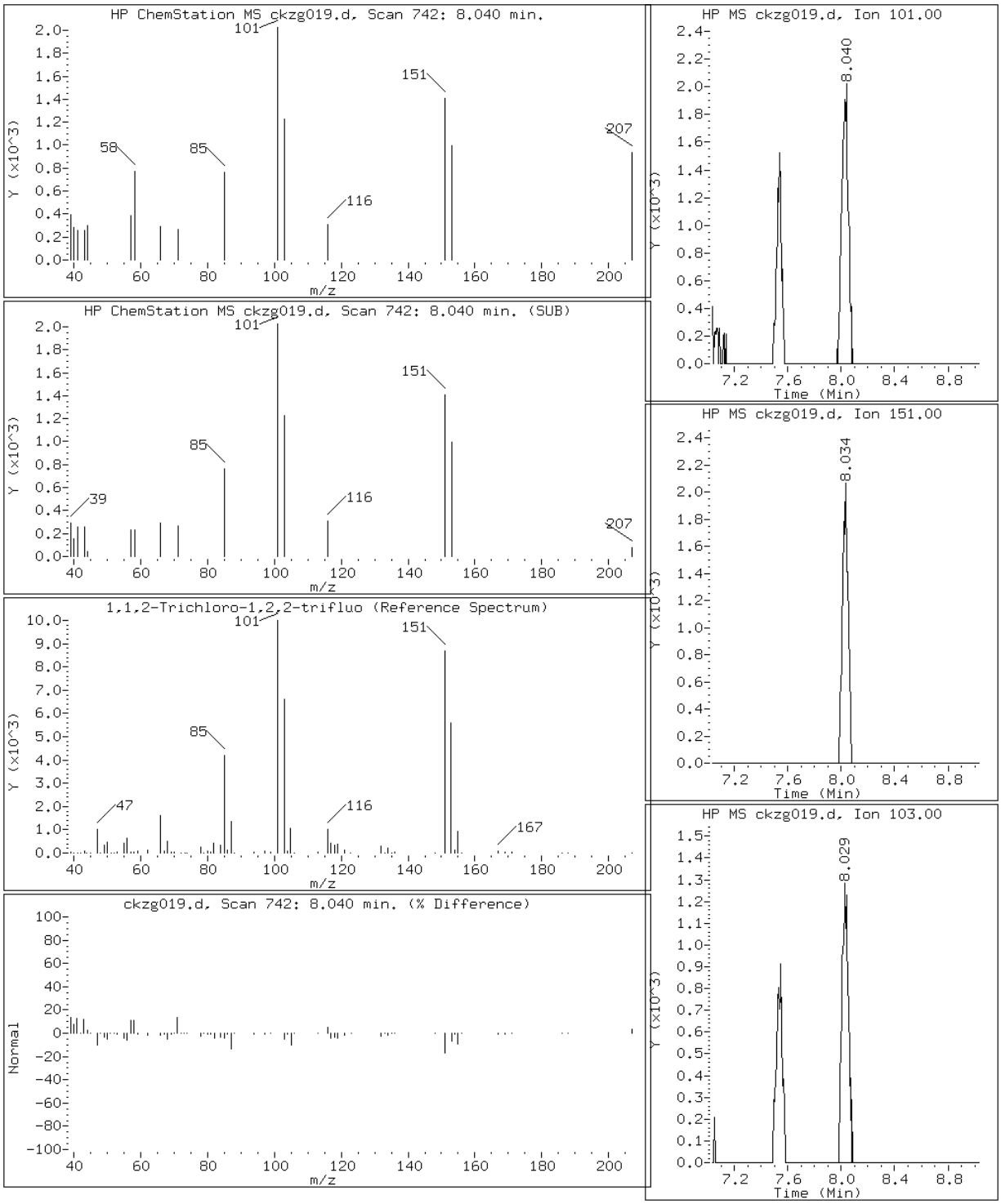
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



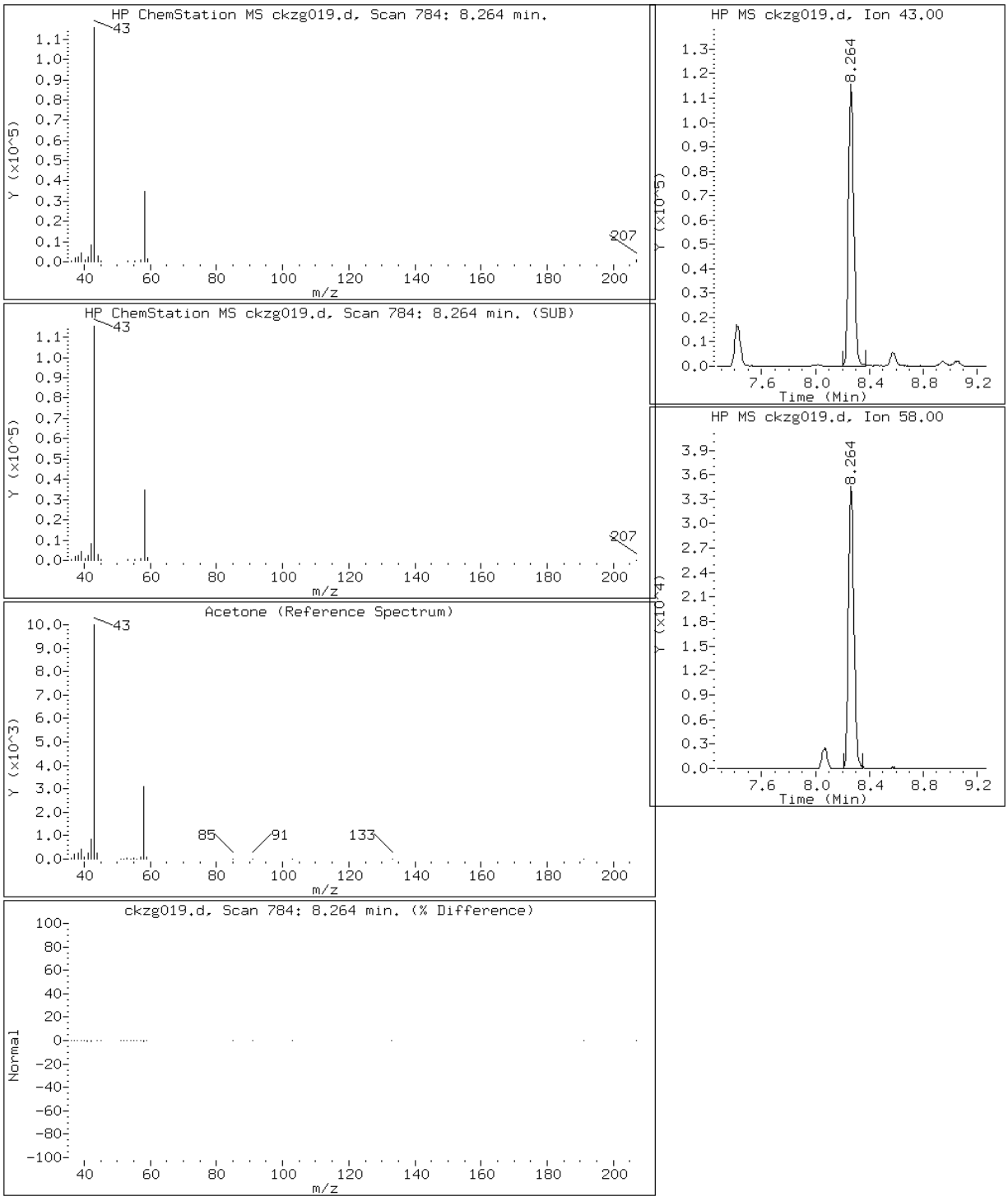
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

20 Acetone



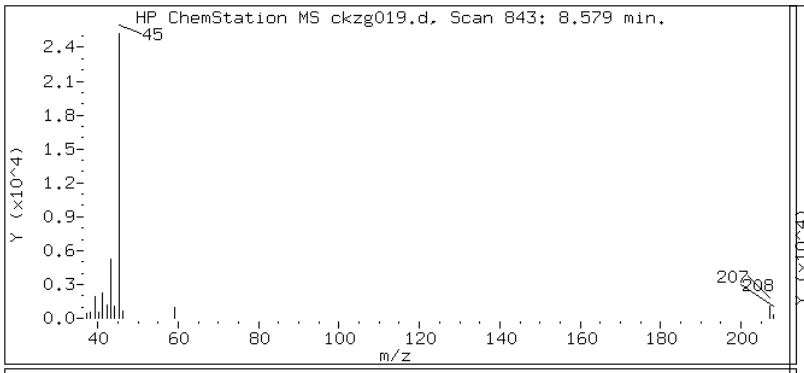
Data File: ckzg019.d

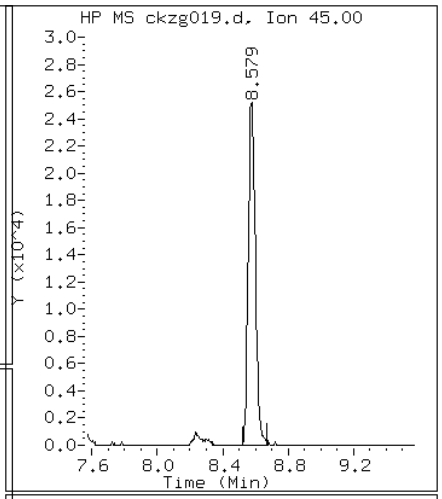
Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

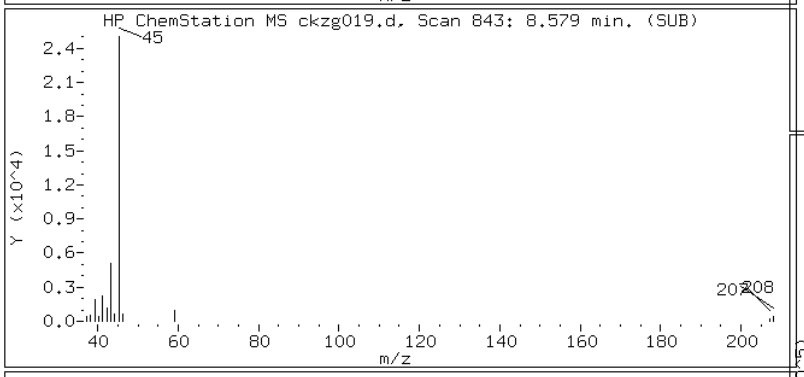
Client ID: 774776CA01AG Instrument: C.i

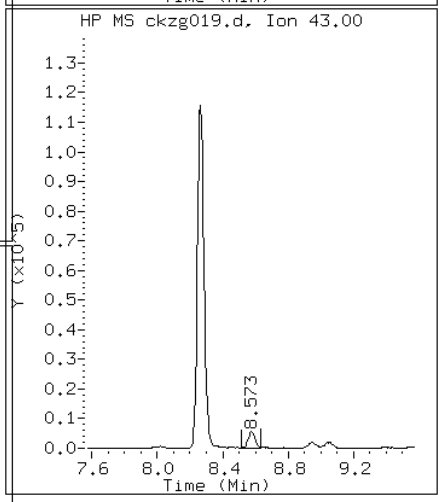
Sample Info: 280-32071-A-13 Operator: pad

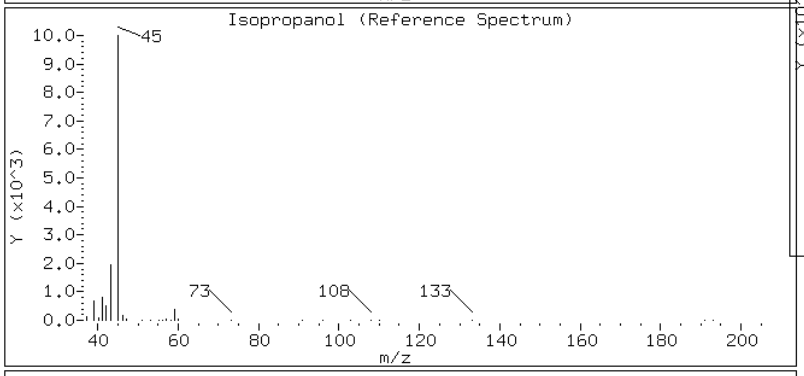
22 Isopropanol

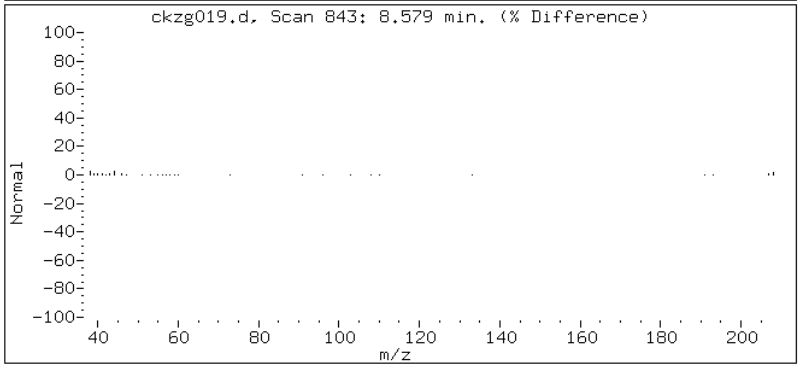












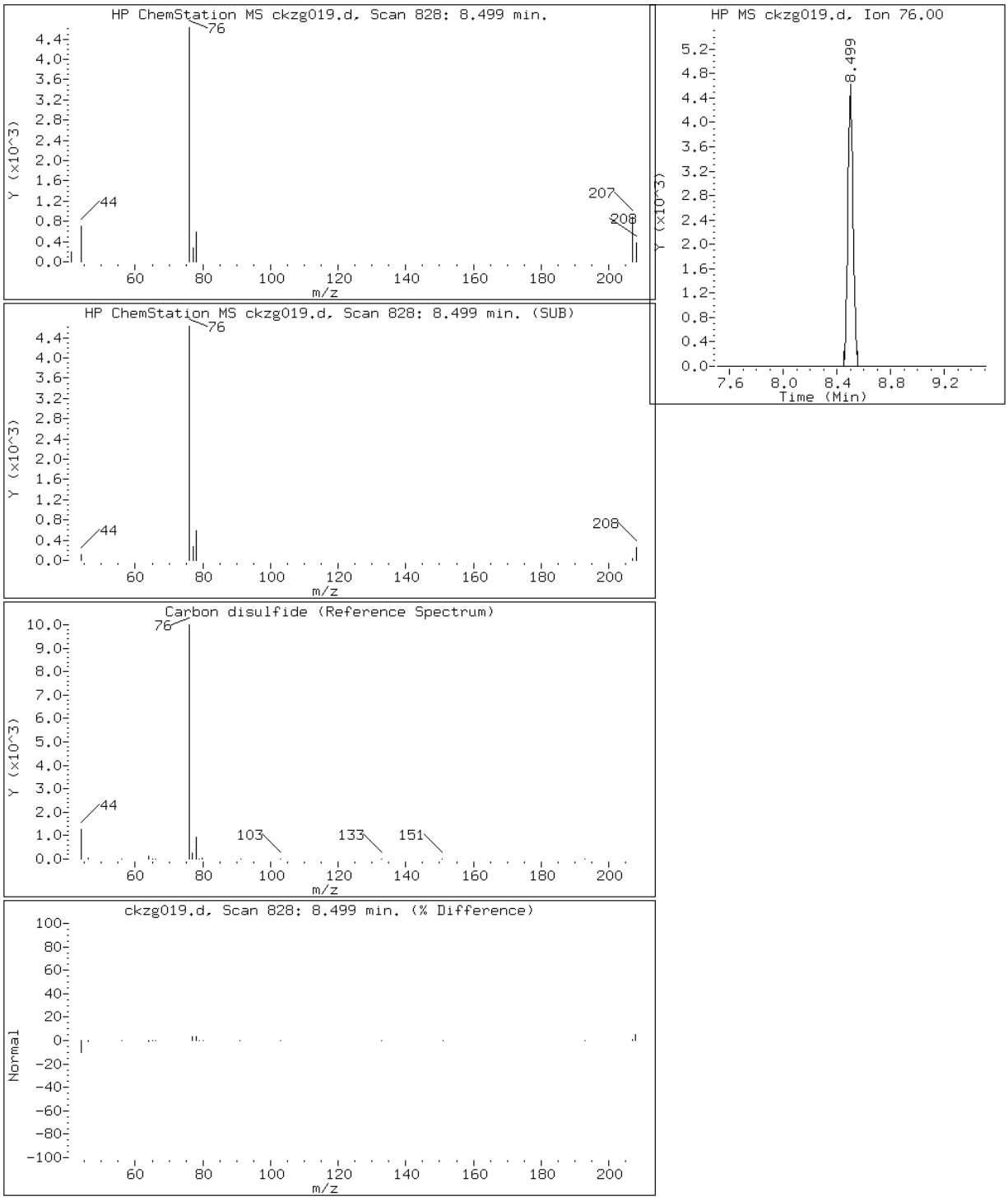
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

21 Carbon disulfide



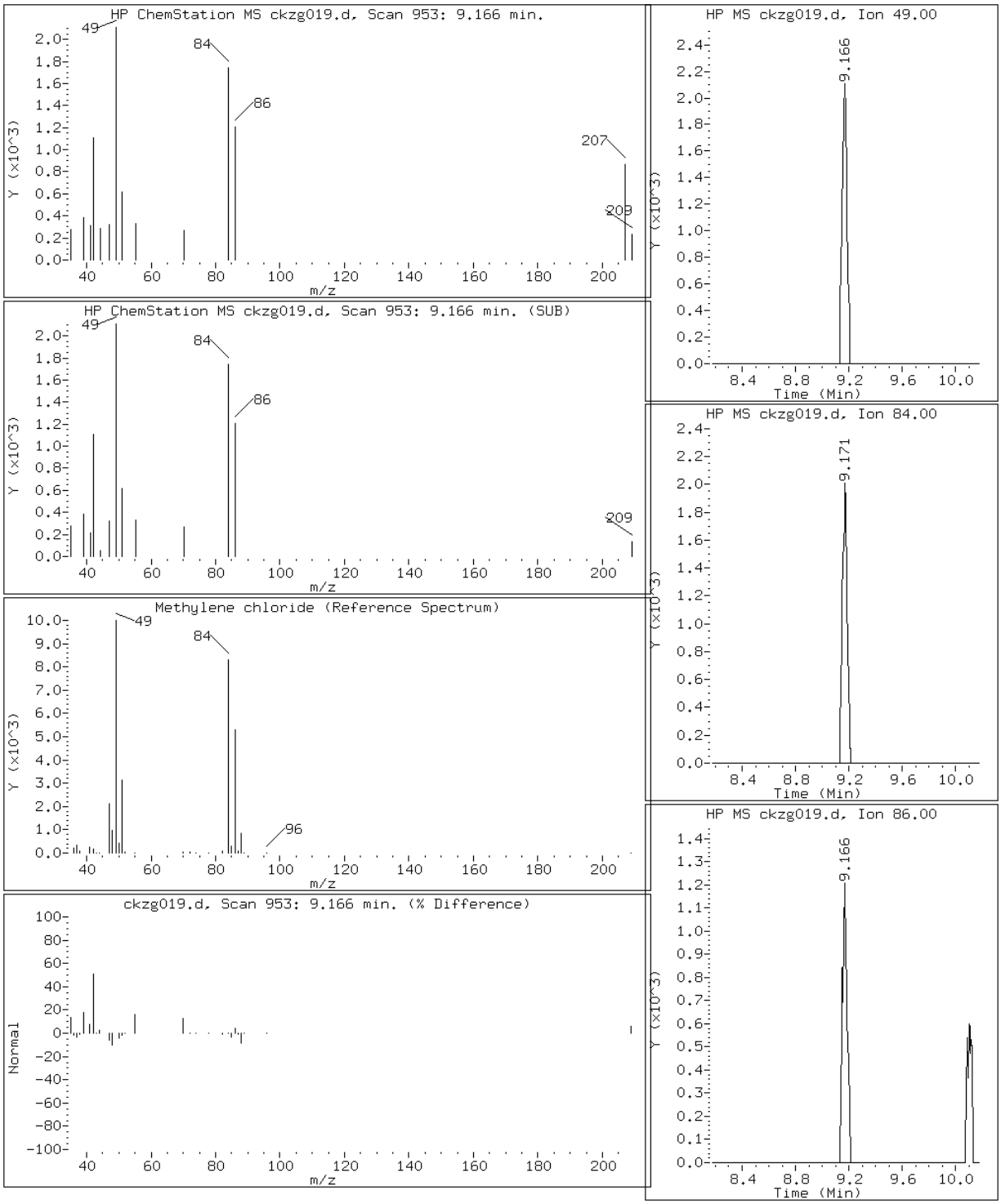
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

25 Methylene chloride



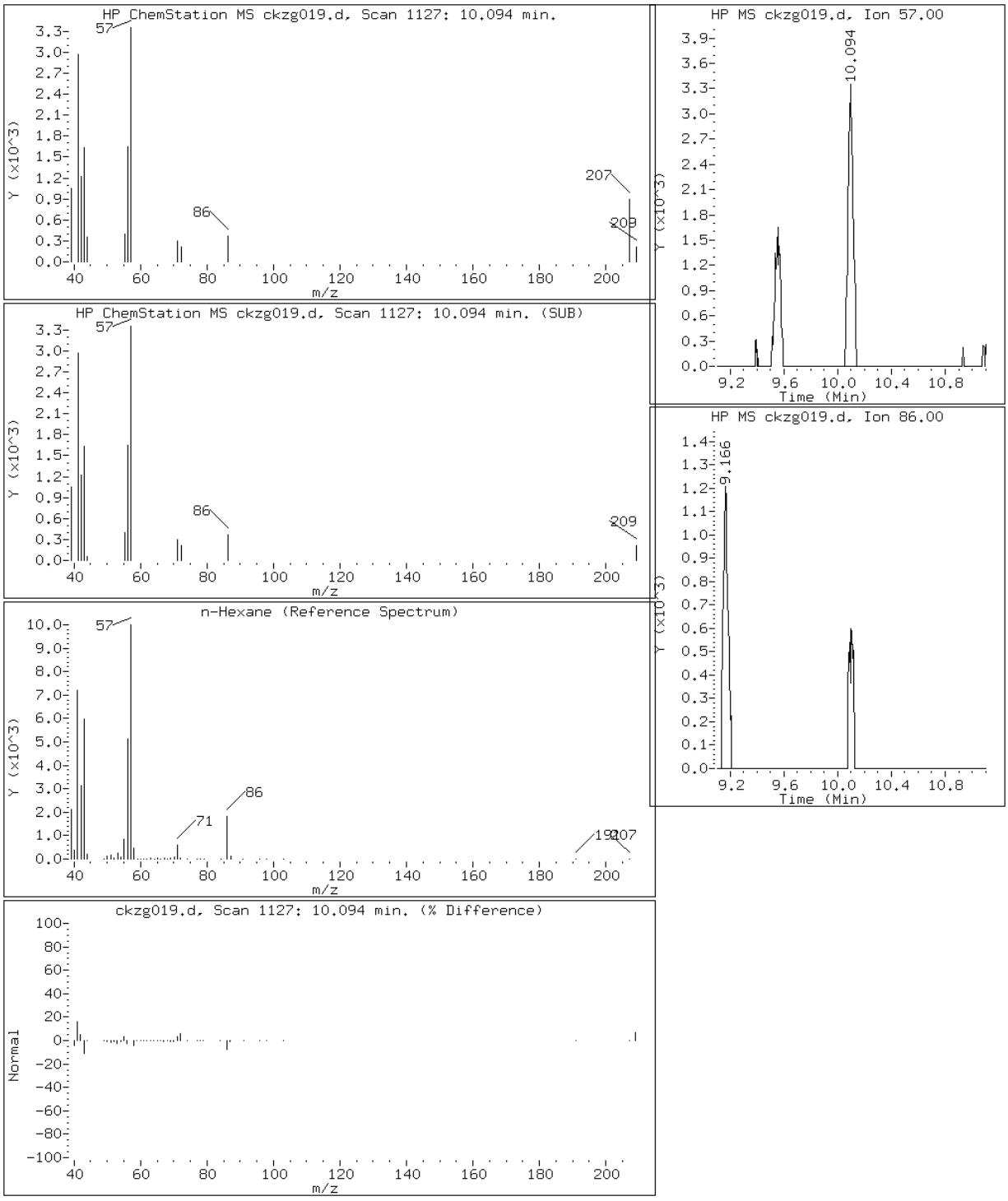
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

30 n-Hexane



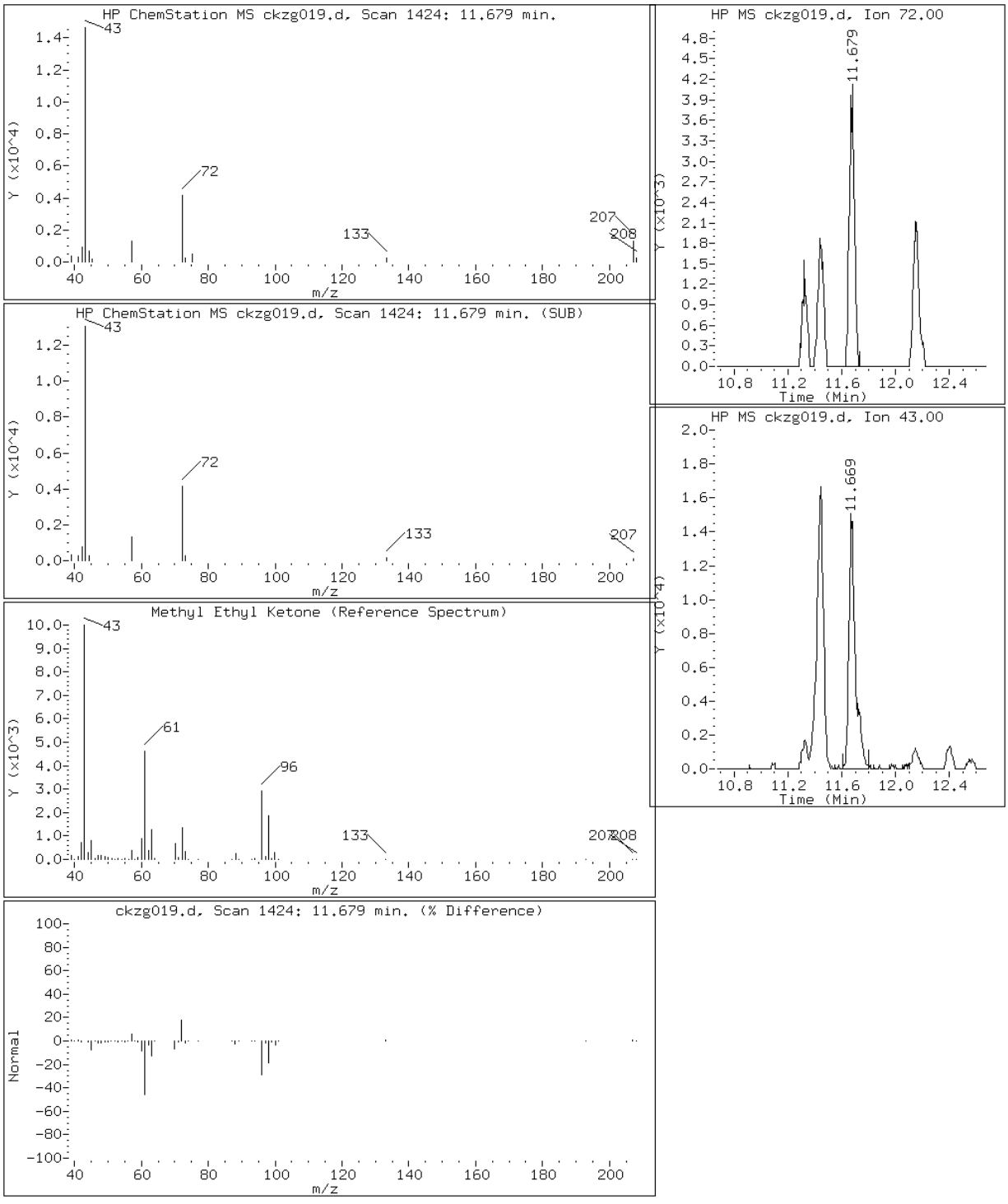
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

36 Methyl Ethyl Ketone



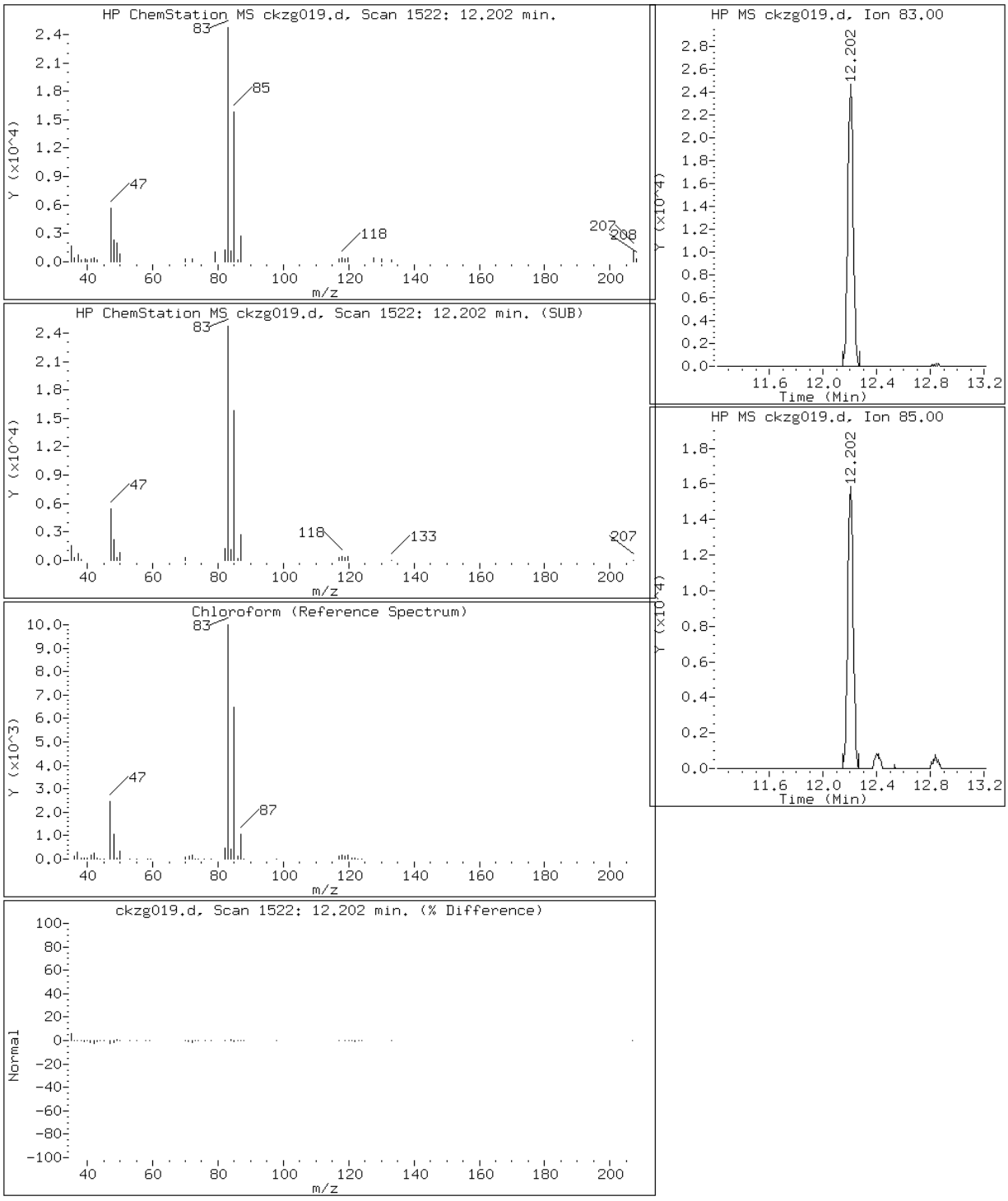
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

39 Chloroform



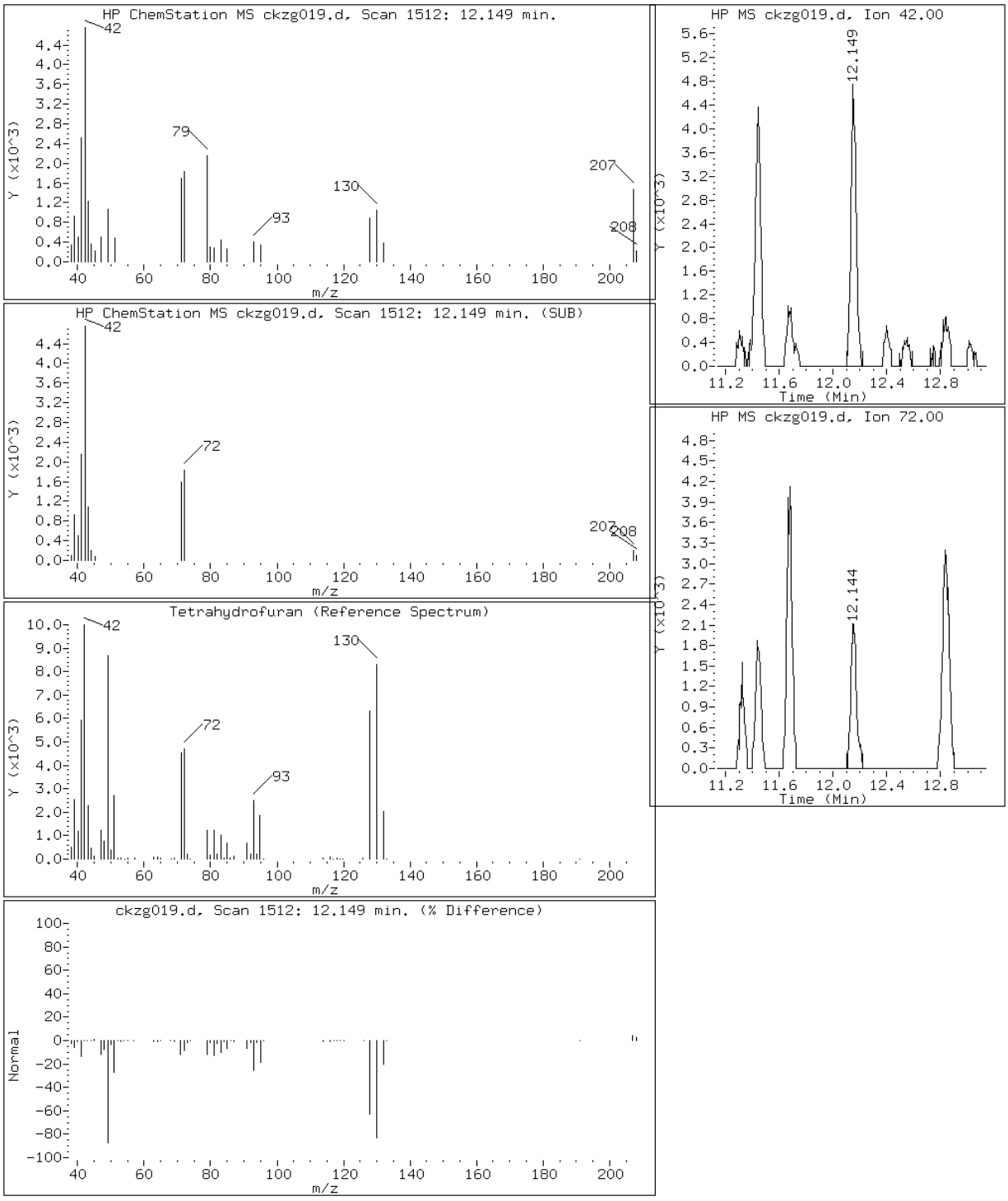
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

38 Tetrahydrofuran



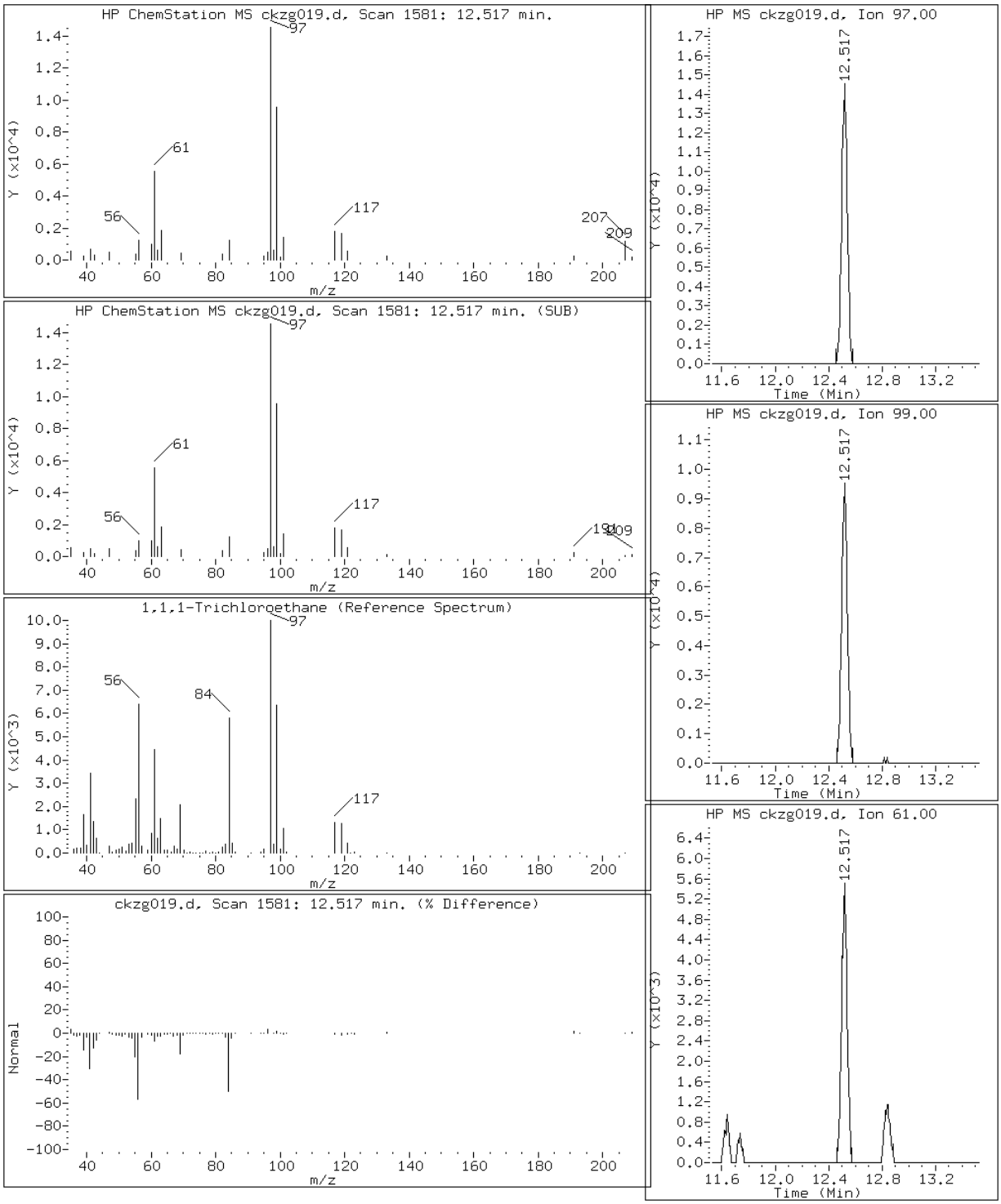
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

41 1,1,1-Trichloroethane



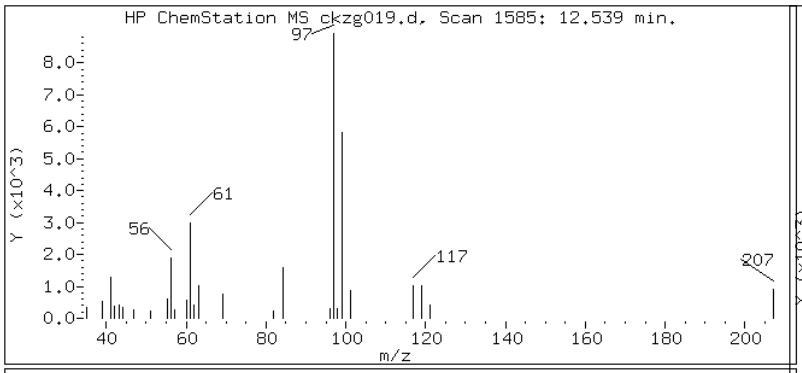
Data File: ckzg019.d

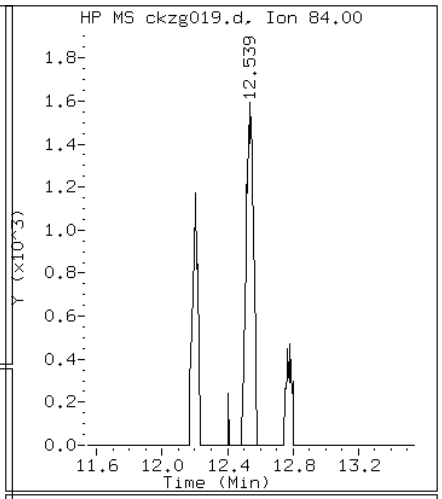
Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

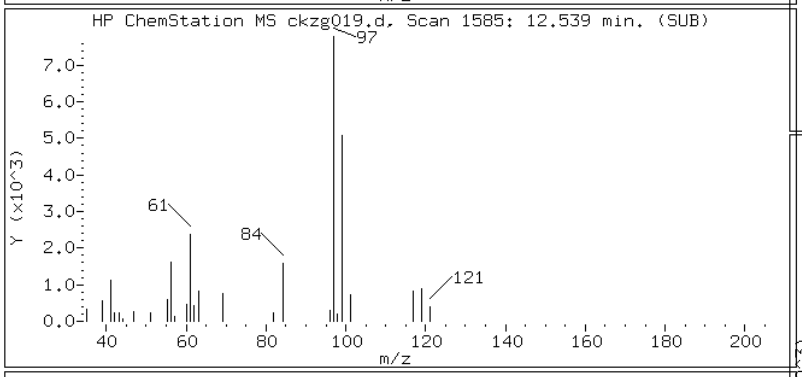
Client ID: 774776CA01AG Instrument: C.i

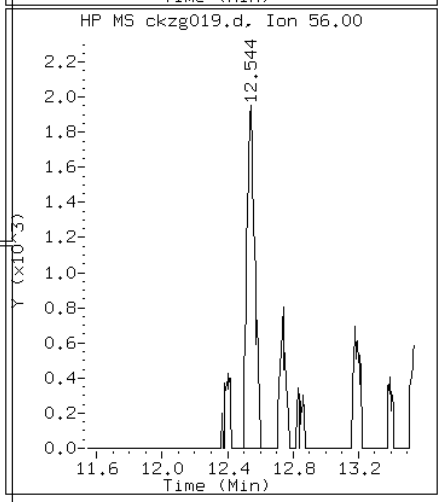
Sample Info: 280-32071-A-13 Operator: pad

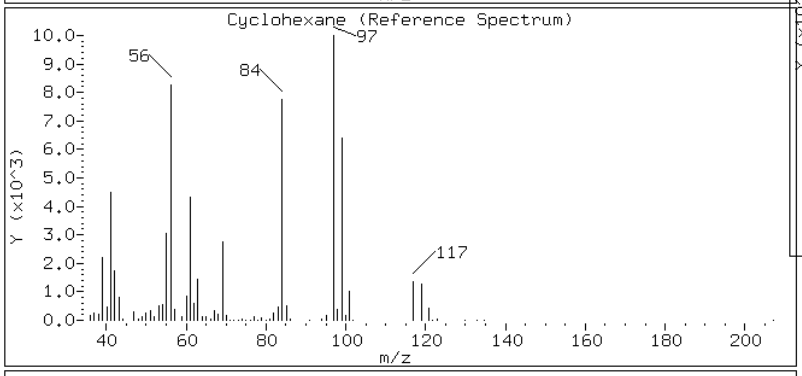
40 Cyclohexane

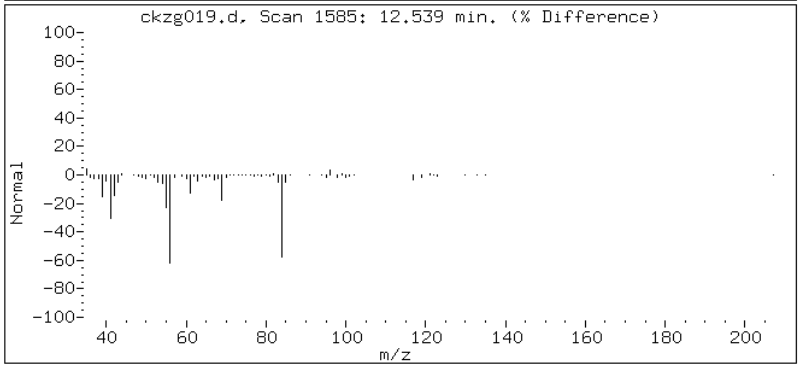












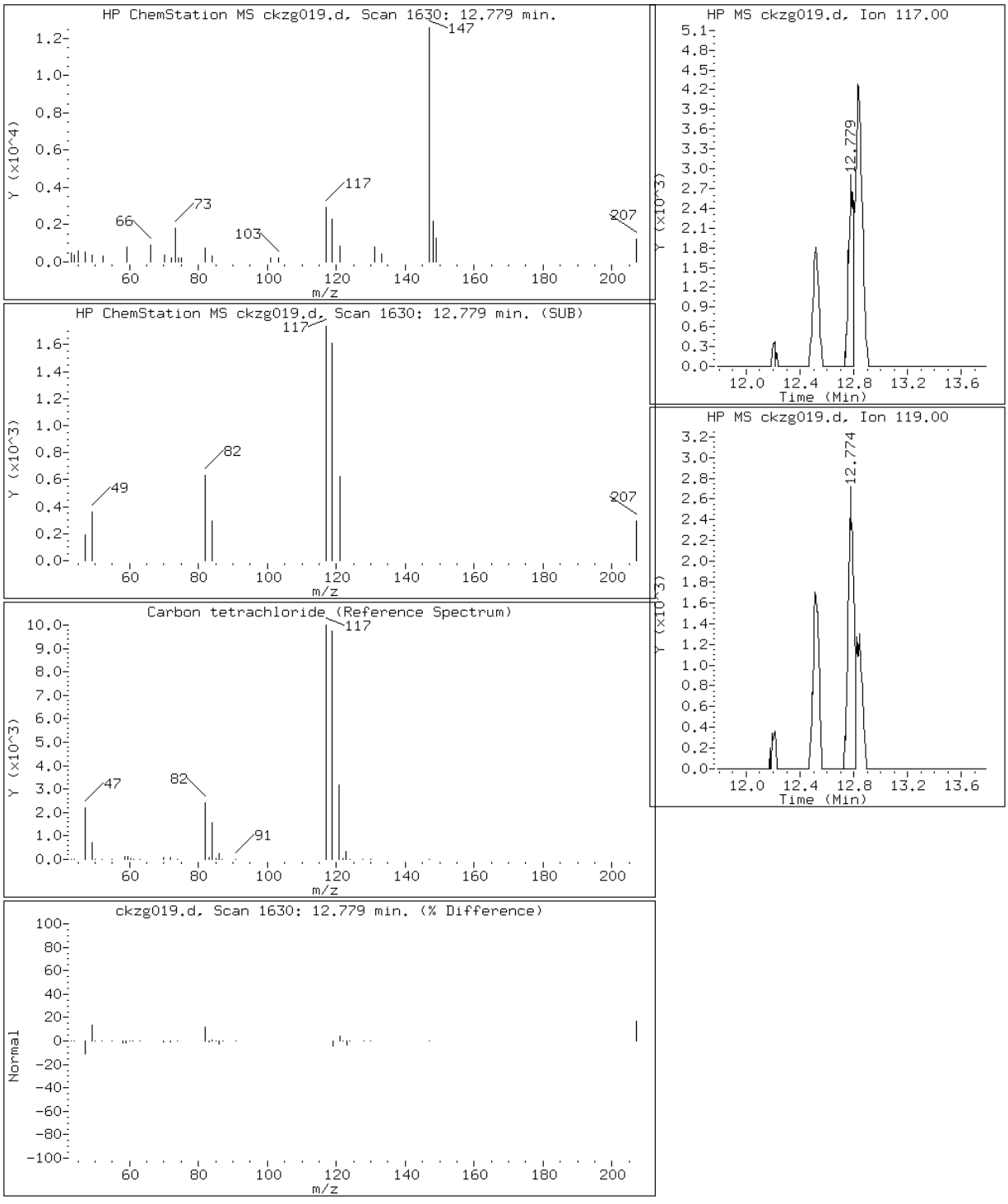
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

42 Carbon tetrachloride



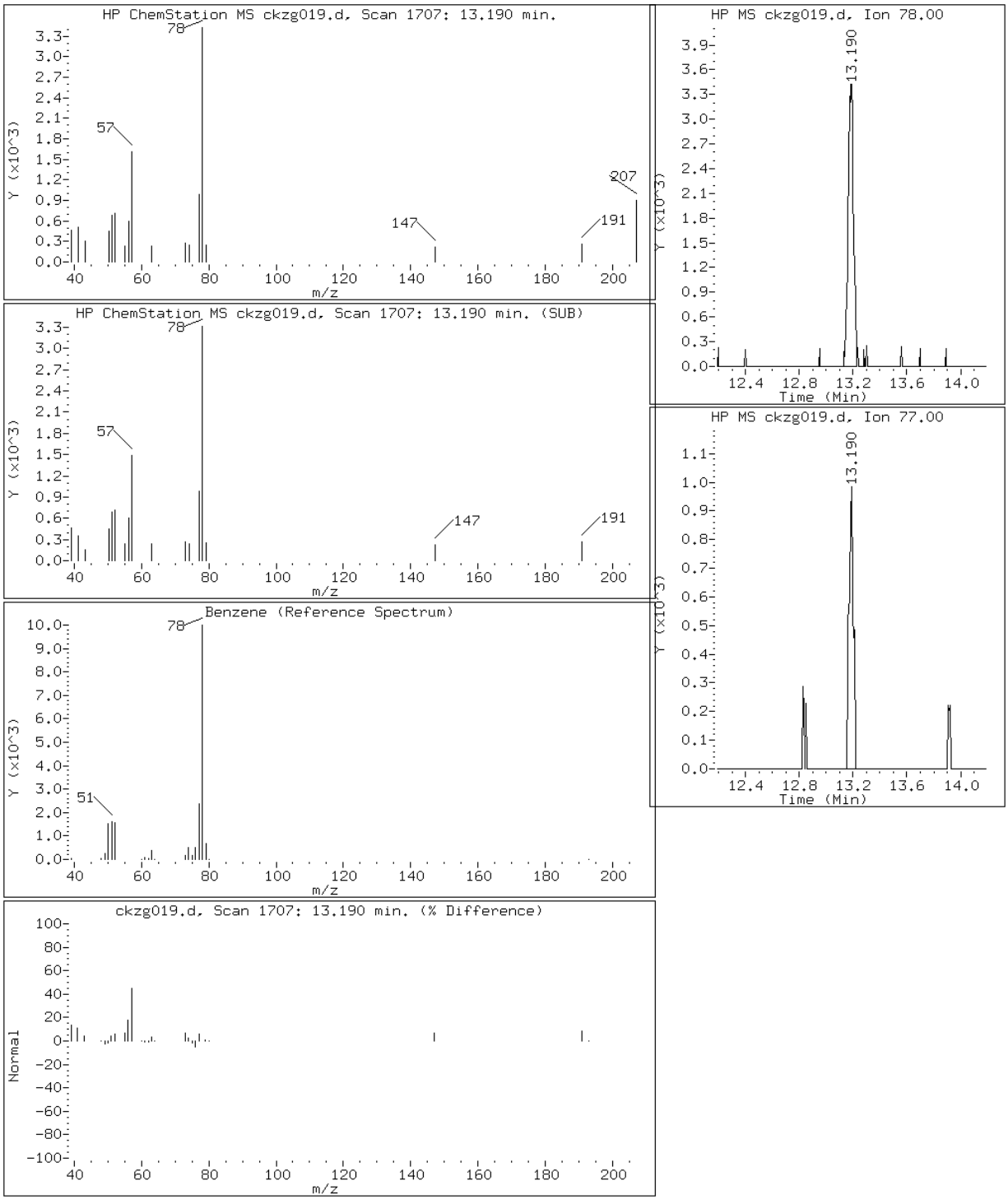
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

44 Benzene



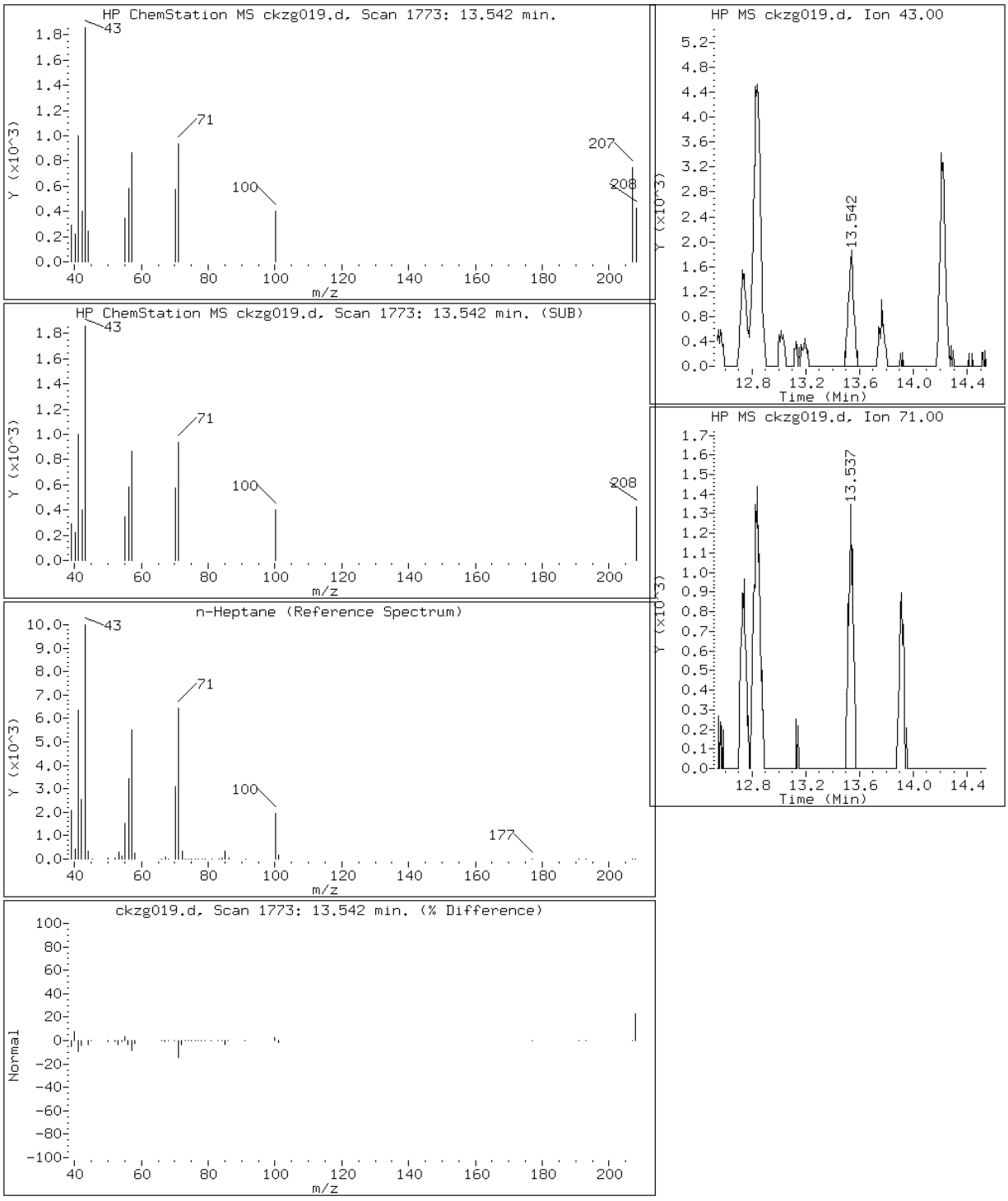
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

46 n-Heptane



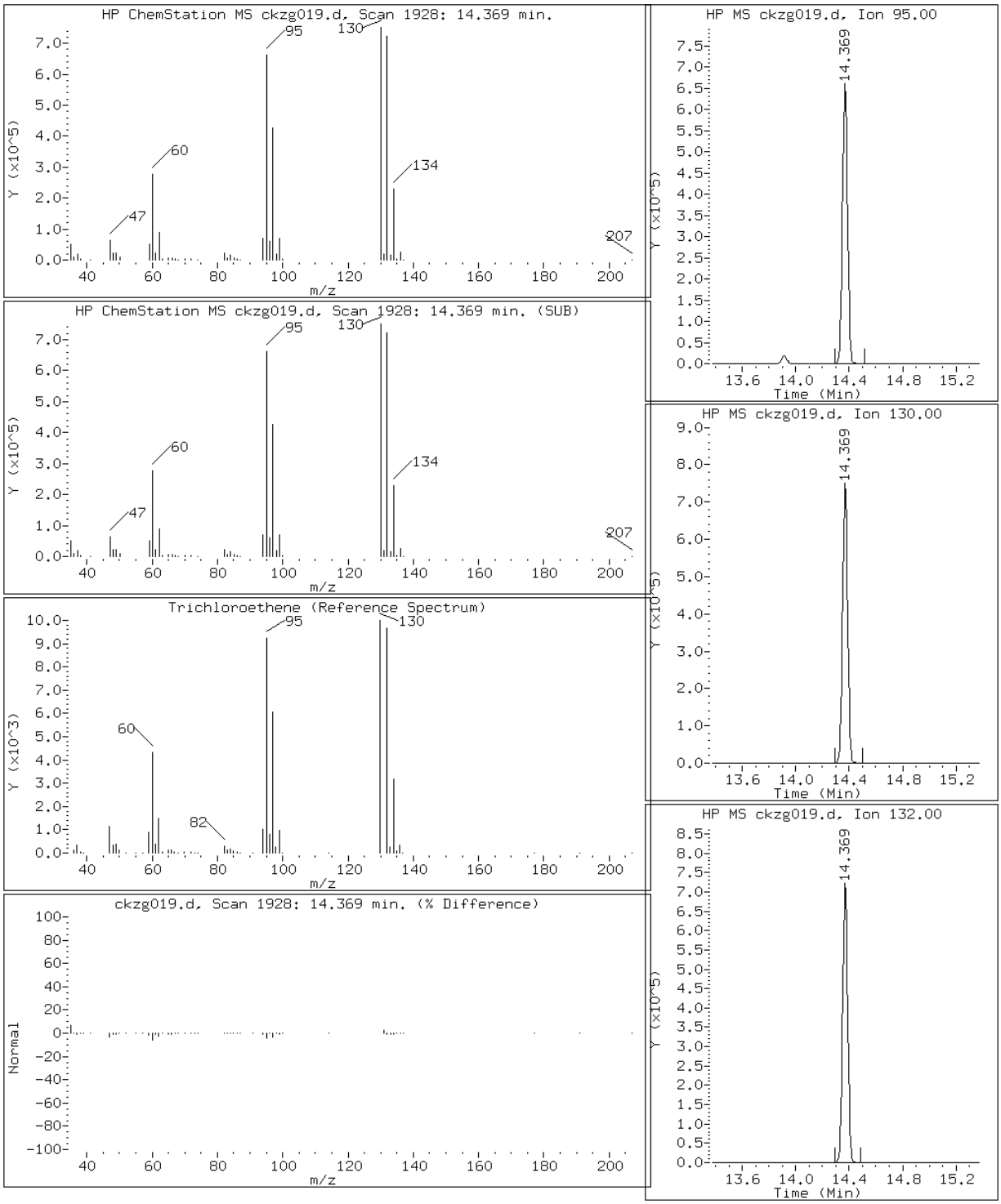
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

49 Trichloroethene



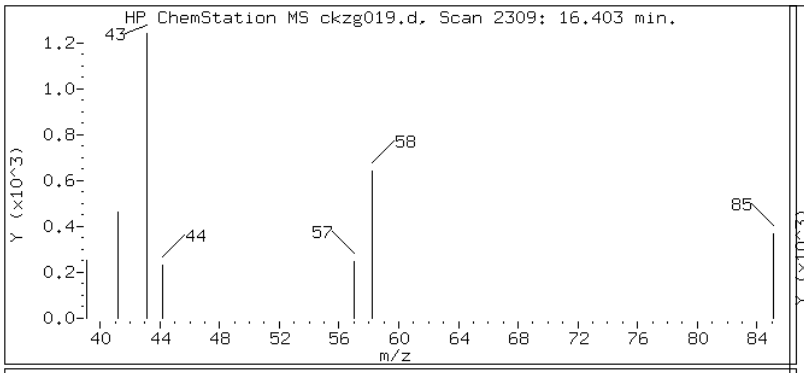
Data File: ckzg019.d

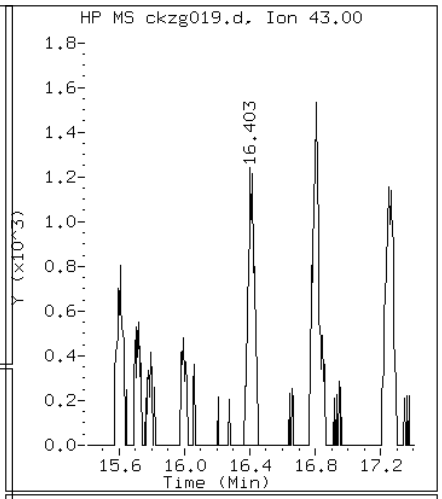
Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

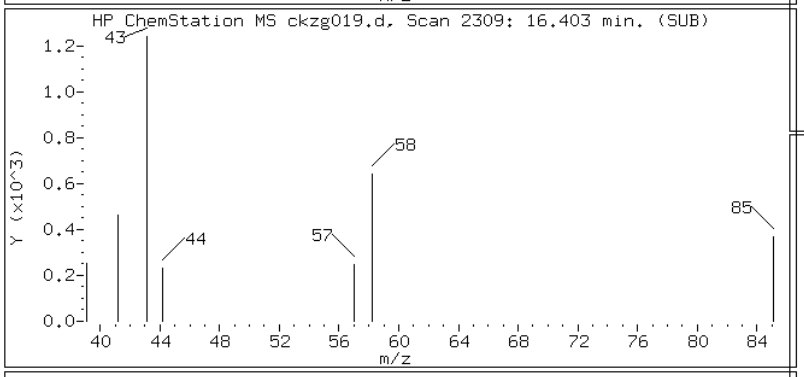
Client ID: 774776CA01AG Instrument: C.i

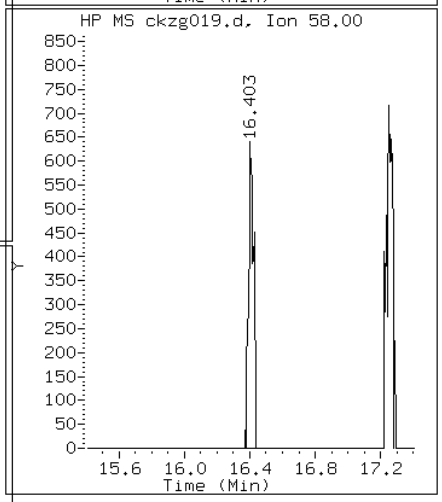
Sample Info: 280-32071-A-13 Operator: pad

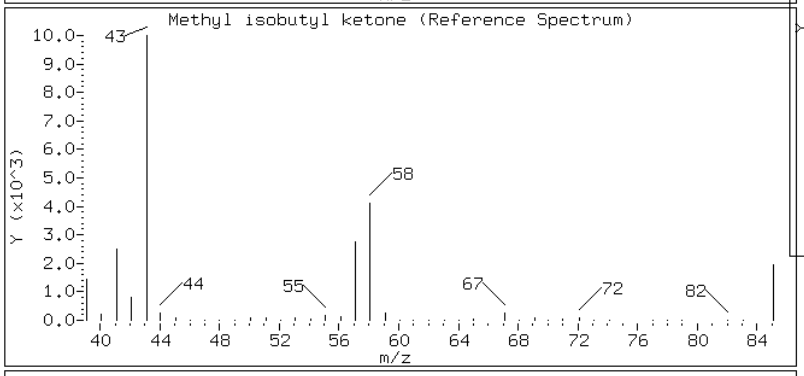
56 Methyl isobutyl ketone

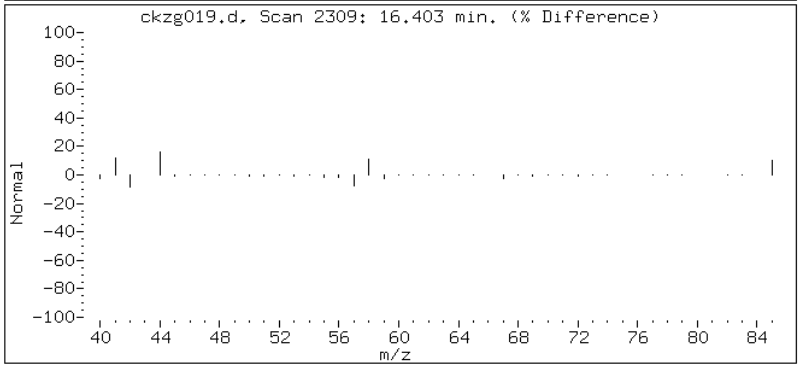












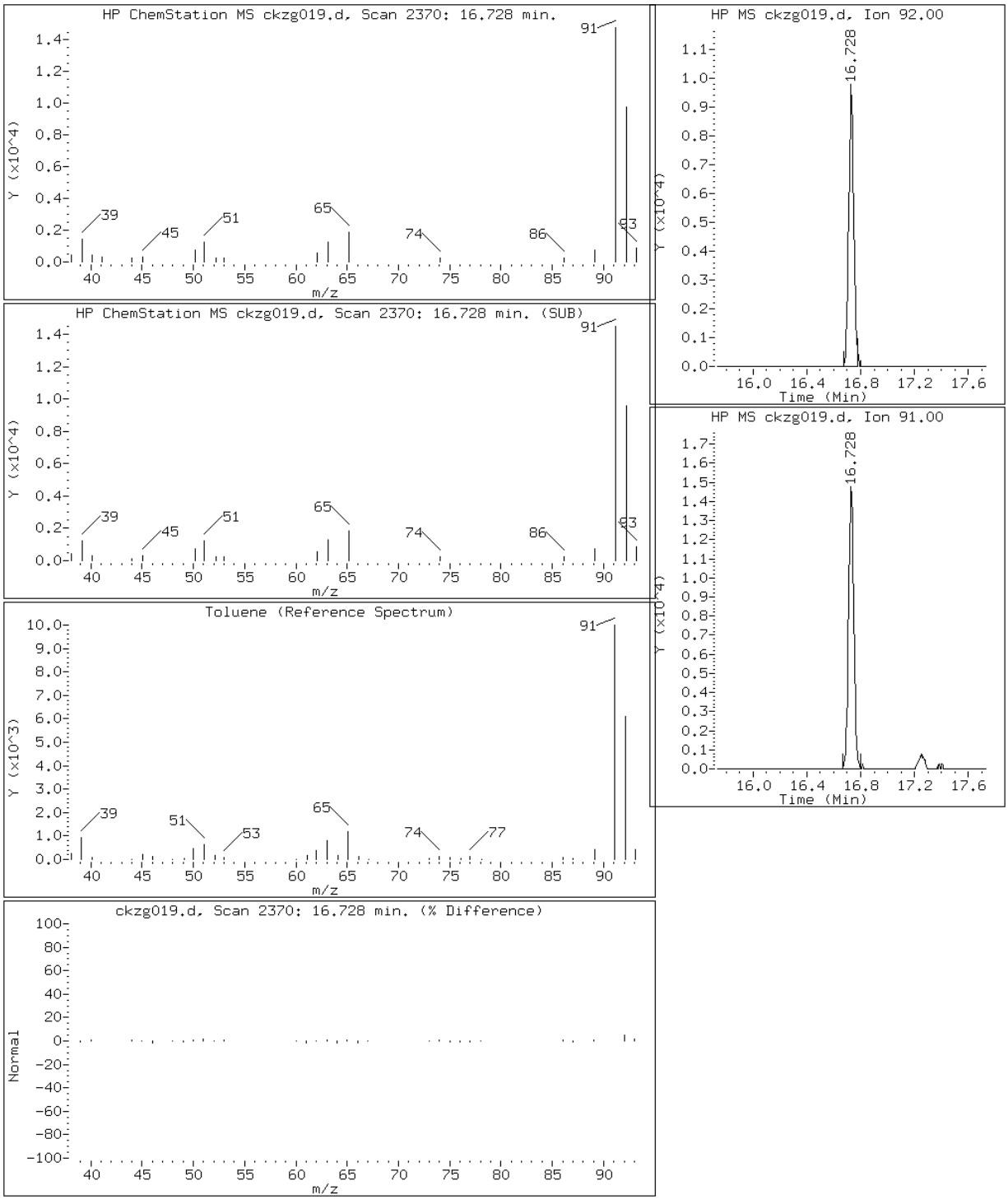
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

58 Toluene



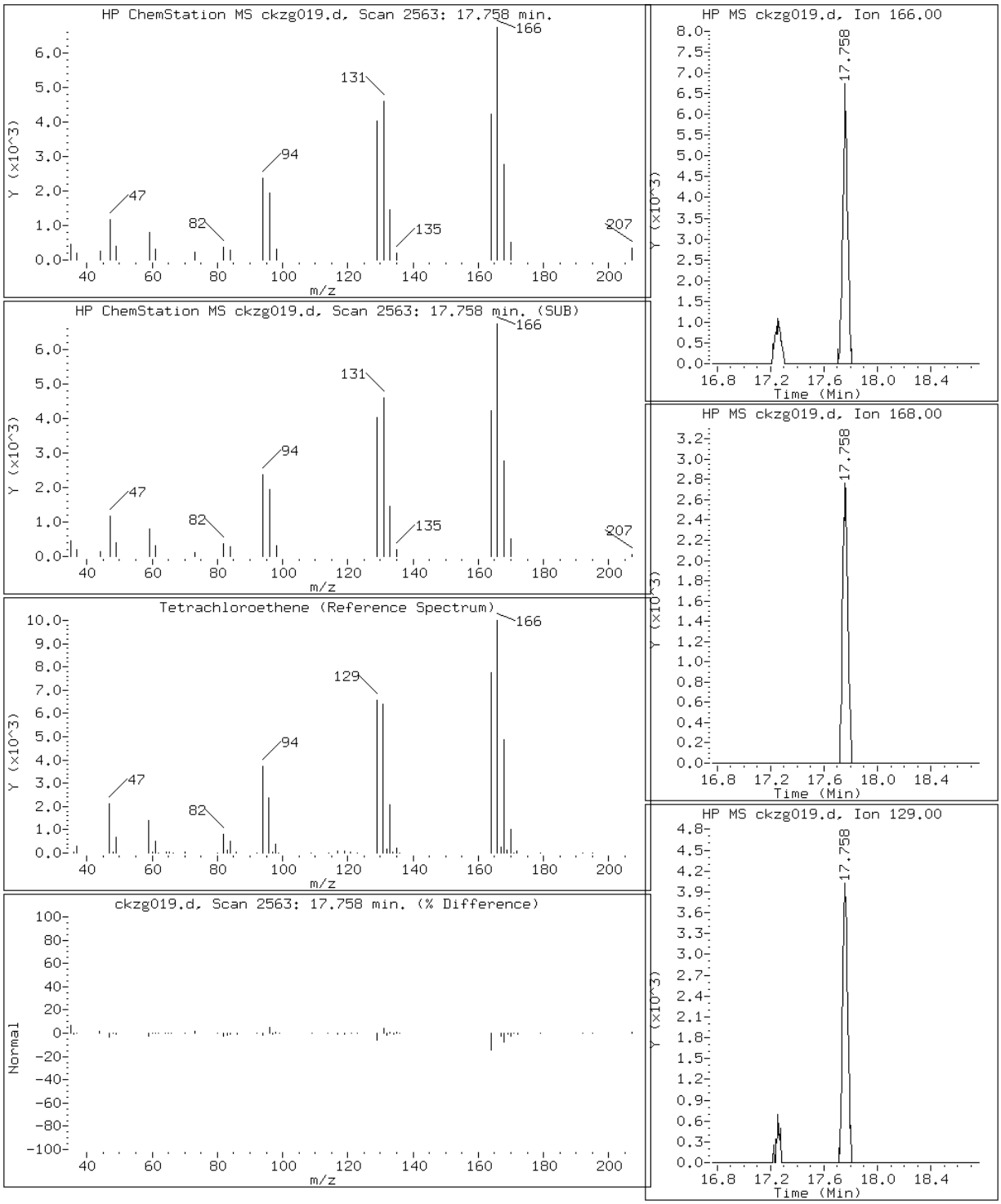
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

61 Tetrachloroethene



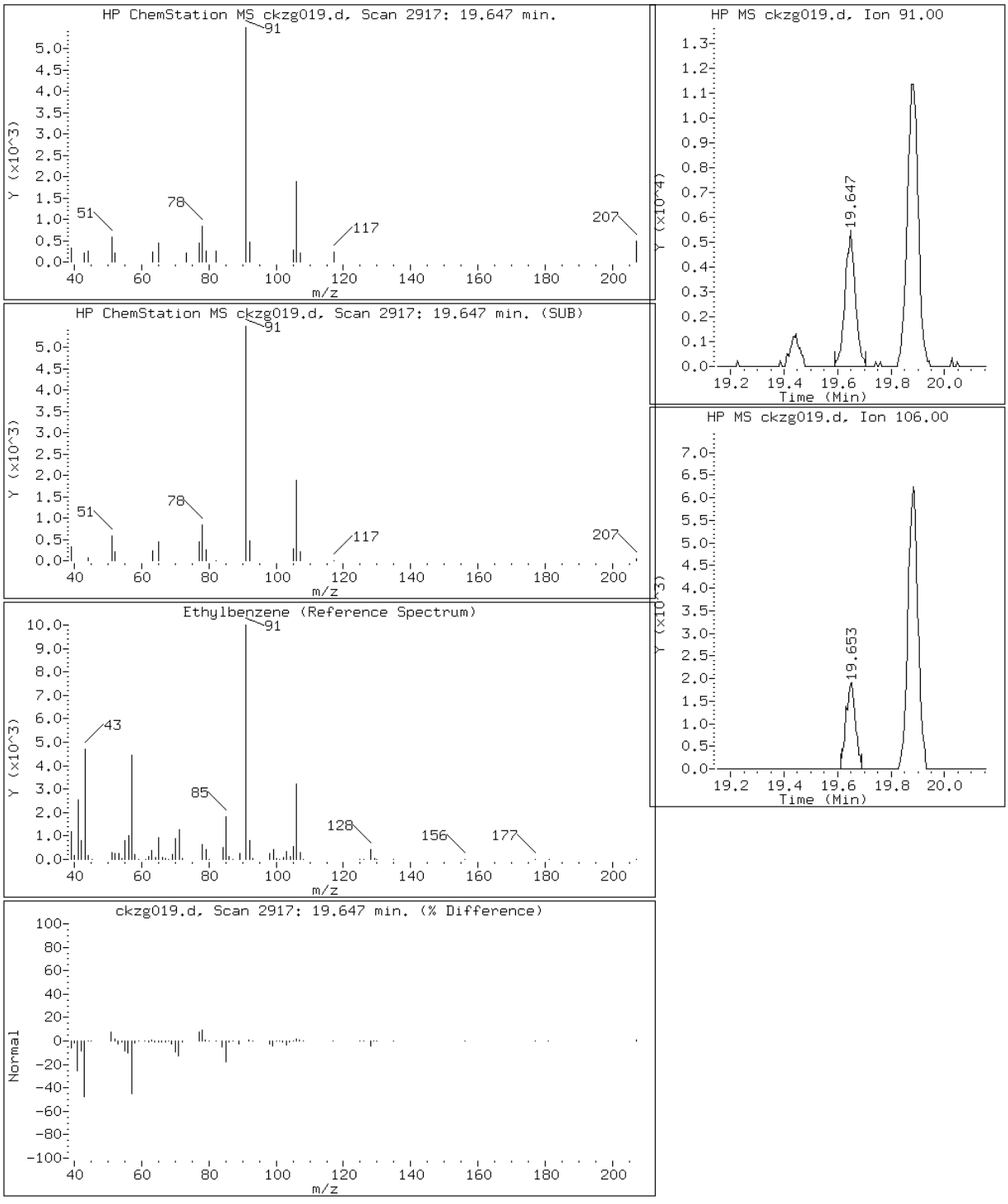
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

68 Ethylbenzene



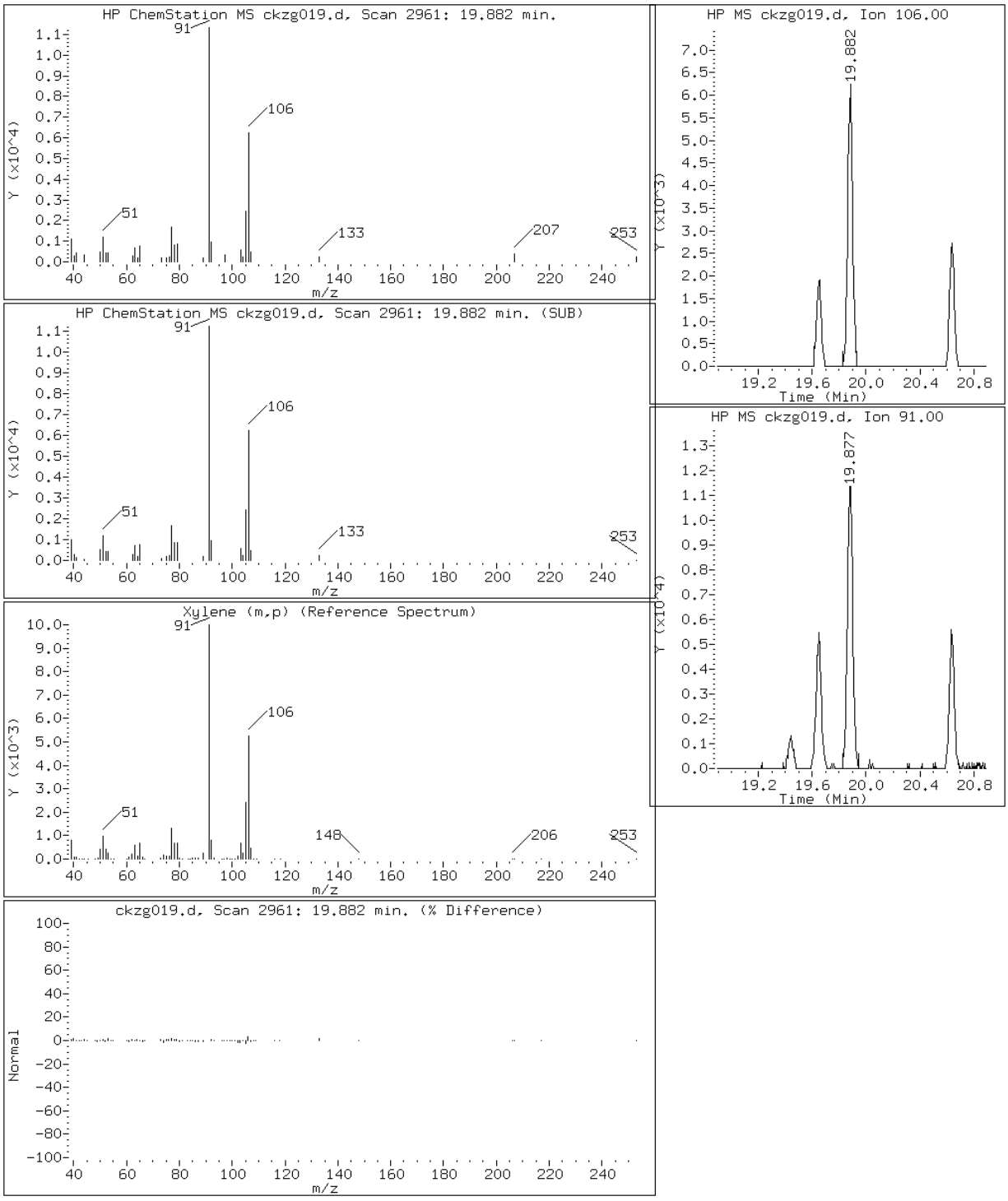
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

69 Xylene (m,p)



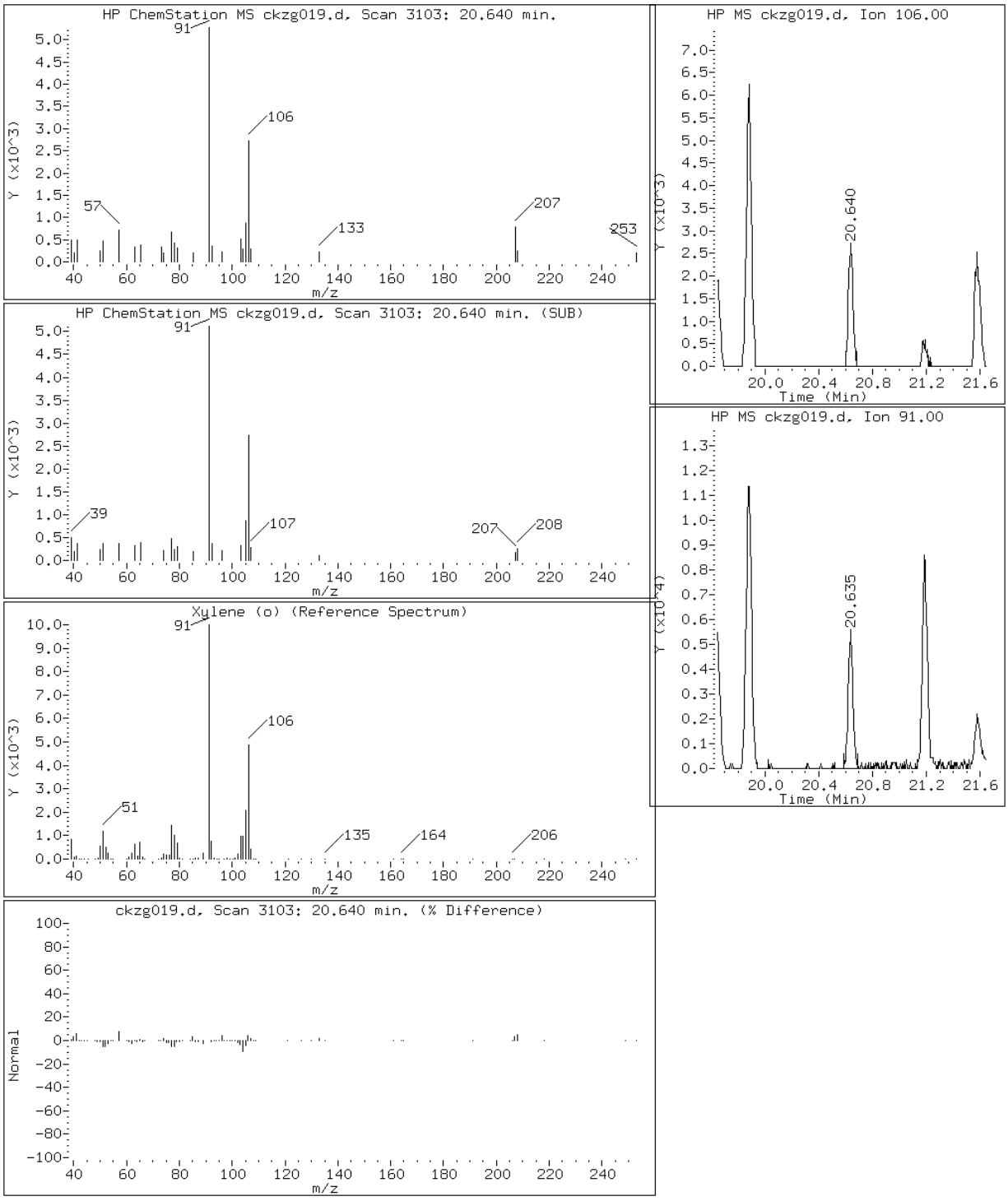
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

71 Xylene (o)



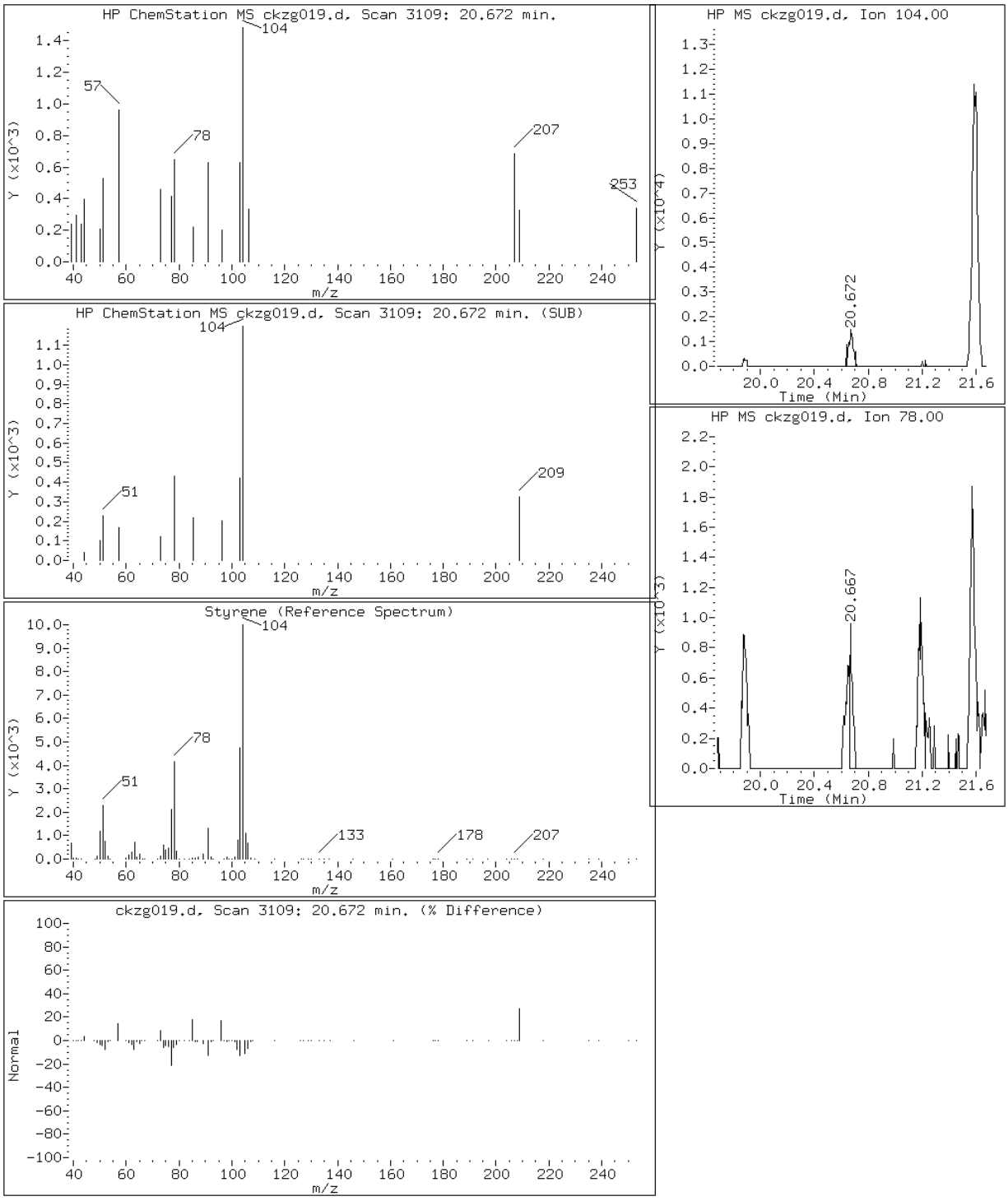
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

72 Styrene



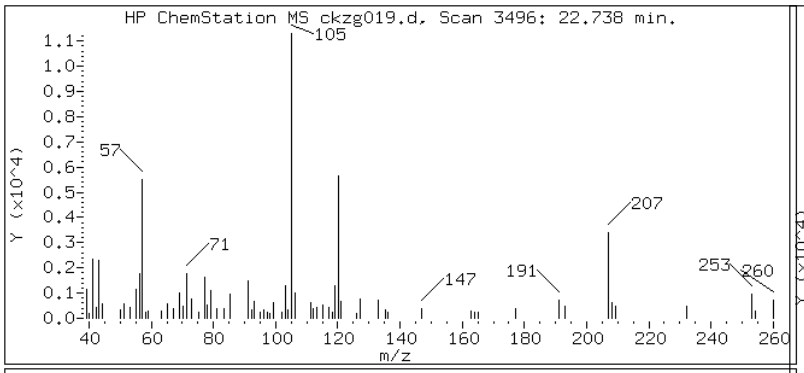
Data File: ckzg019.d

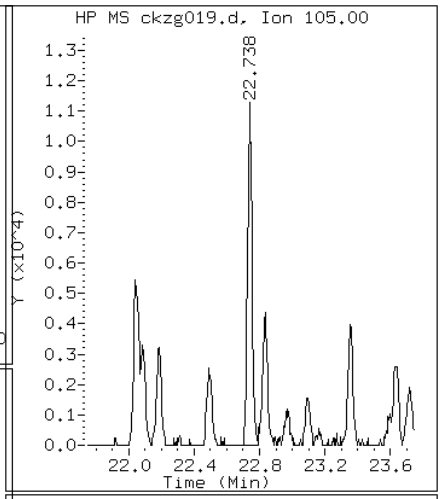
Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

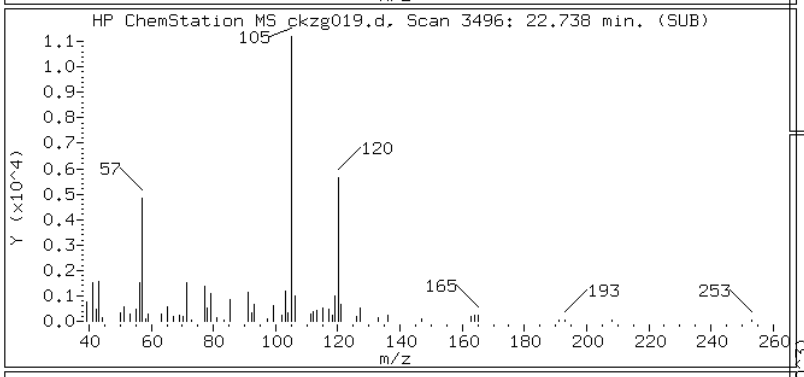
Client ID: 774776CA01AG Instrument: C.i

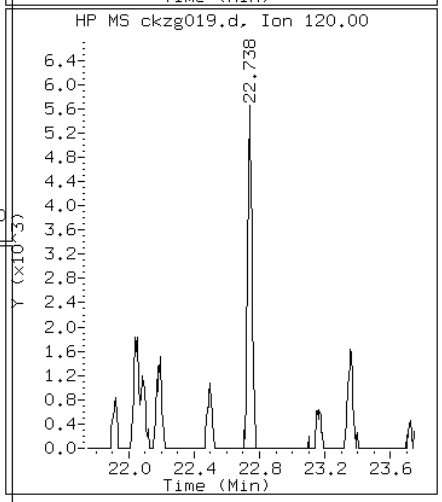
Sample Info: 280-32071-A-13 Operator: pad

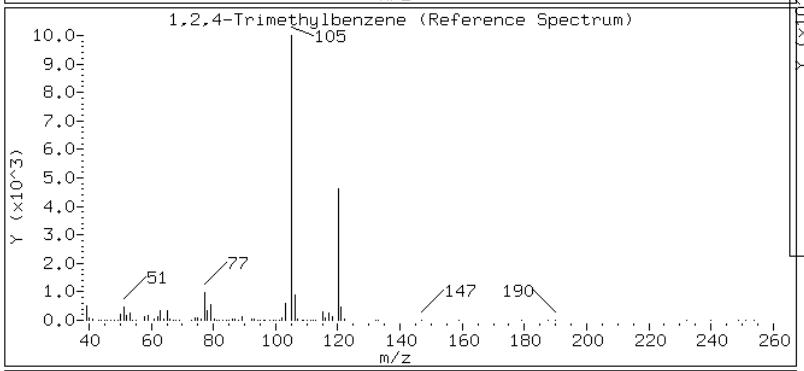
84 1,2,4-Trimethylbenzene

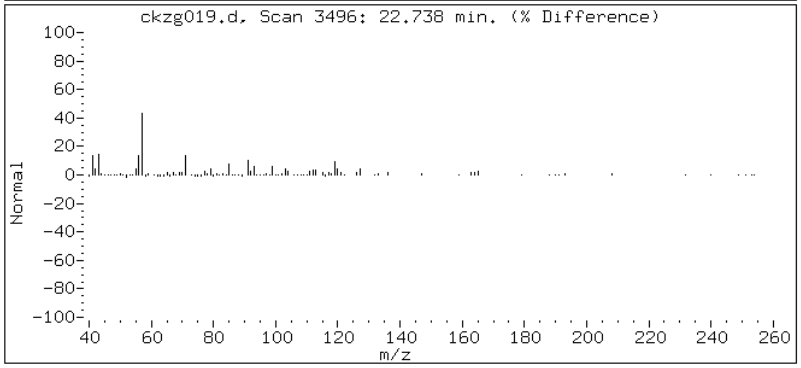












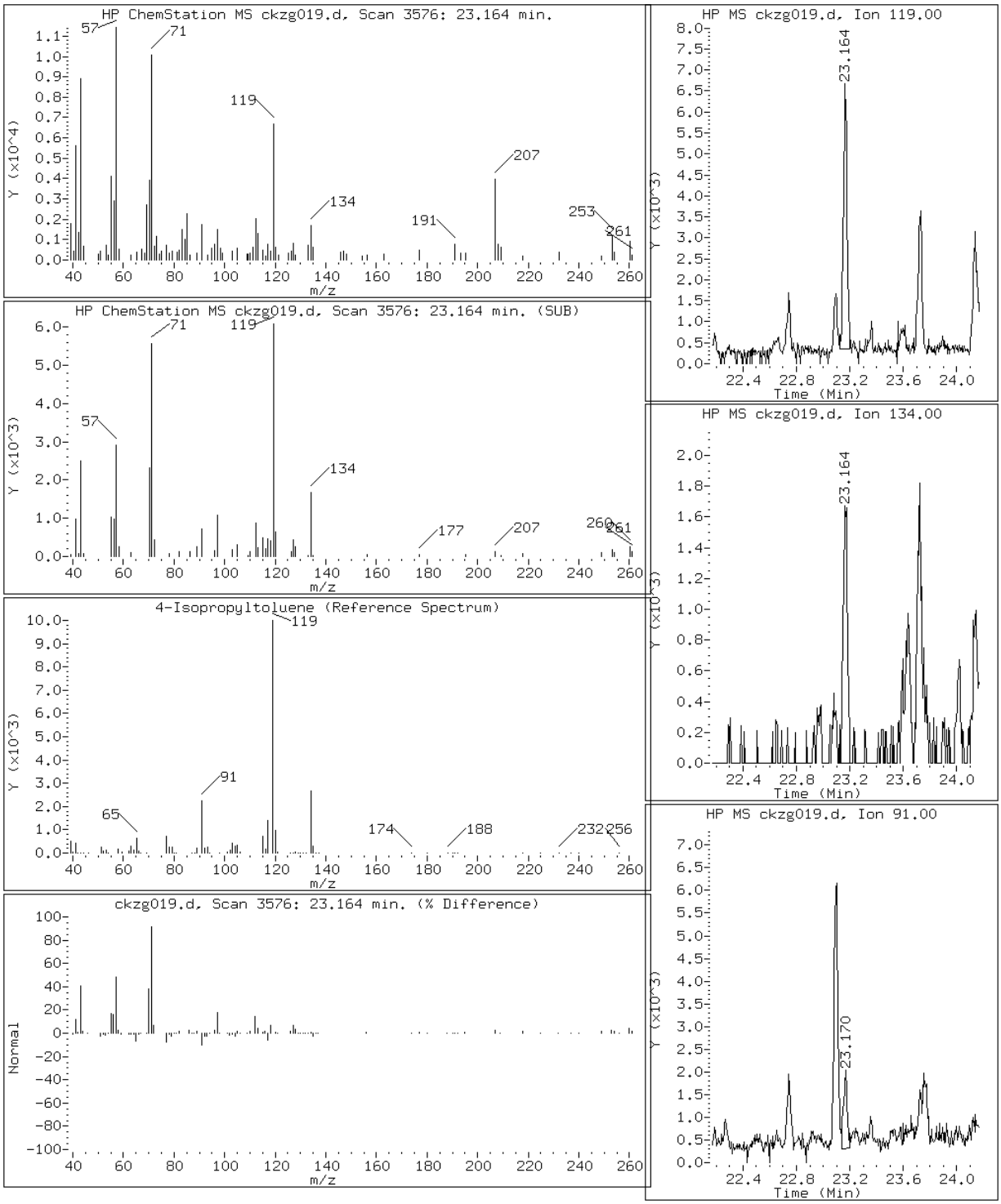
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

86 4-Isopropyltoluene



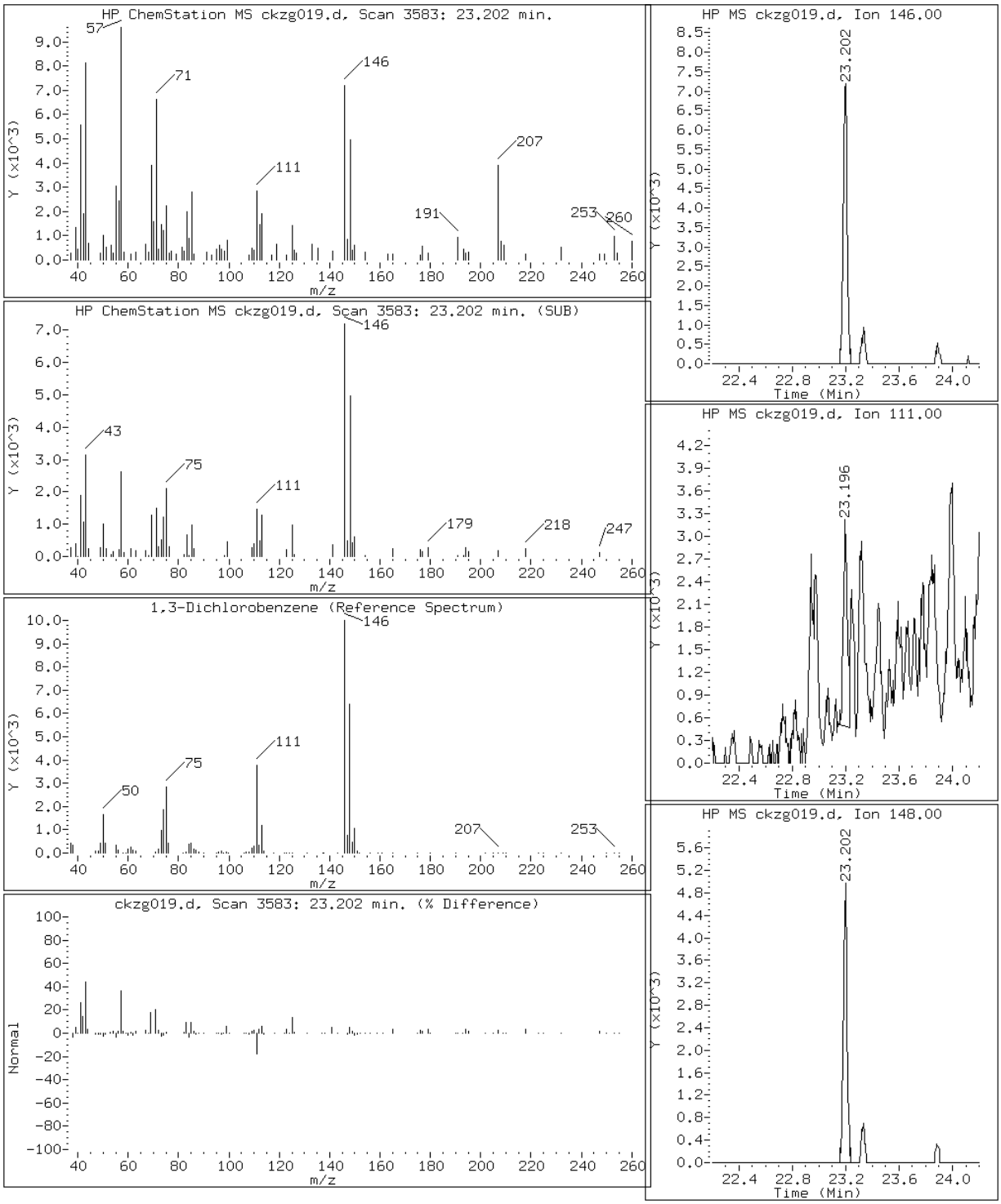
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

87 1,3-Dichlorobenzene



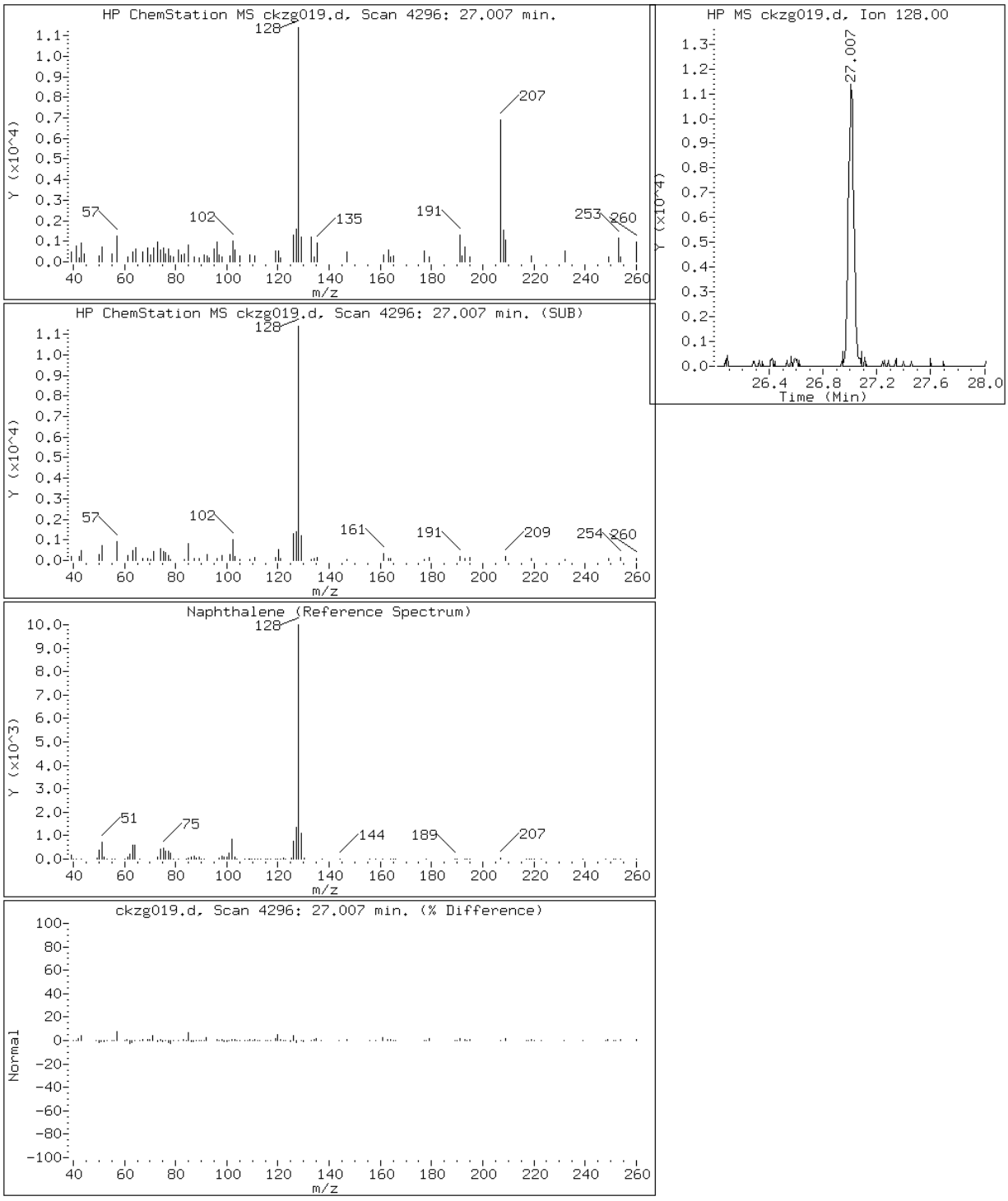
Data File: ckzg019.d

Lab Sample ID: 280-32071-13 Date: 23-AUG-2012 03:46

Client ID: 774776CA01AG Instrument: C.i

Sample Info: 280-32071-A-13 Operator: pad

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786CA01AG Lab Sample ID: 280-32071-14

Matrix: Air Lab File ID: ckzg020.d

Analysis Method: TO-15 Date Collected: 08/03/2012 13:25

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 04:39

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J	0.75	0.030
75-45-6	Freon 22	86.47	0.12	U	0.75	0.035
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.12	U	0.30	0.030
74-87-3	Chloromethane	50.49	0.22	J	0.75	0.051
106-97-8	n-Butane	58.12	5.4		0.75	0.033
75-01-4	Vinyl chloride	62.50	0.042	U	0.30	0.014
106-99-0	1,3-Butadiene	54.09	0.12	U	0.30	0.038
74-83-9	Bromomethane	94.94	0.12	U	0.30	0.041
75-00-3	Chloroethane	64.52	0.12	U	0.75	0.050
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.060	U	0.30	0.029
75-69-4	Trichlorofluoromethane	137.37	0.26	J	0.30	0.032
76-13-1	Freon TF	187.38	0.081	J	0.30	0.030
75-35-4	1,1-Dichloroethene	96.94	0.30	U	0.30	0.13
67-64-1	Acetone	58.08	24		7.5	0.60
67-63-0	Isopropyl alcohol	60.10	3.9	J	7.5	0.11
75-15-0	Carbon disulfide	76.14	0.23	J	0.75	0.030
107-05-1	3-Chloropropene	76.53	0.12	U	0.75	0.071
75-09-2	Methylene Chloride	84.93	0.58	J	0.75	0.035
75-65-0	tert-Butyl alcohol	74.12	0.34	J	7.5	0.062
1634-04-4	Methyl tert-butyl ether	88.15	0.060	U	0.30	0.023
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.30	0.035
110-54-3	n-Hexane	86.17	1.5		0.30	0.030
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.30	0.035
78-93-3	Methyl Ethyl Ketone	72.11	1.8		0.75	0.038
156-59-2	cis-1,2-Dichloroethene	96.94	0.42		0.30	0.13
540-59-0	1,2-Dichloroethene, Total	96.94	0.42		0.30	0.035
67-66-3	Chloroform	119.38	0.57		0.30	0.036
109-99-9	Tetrahydrofuran	72.11	0.89	J	7.5	0.044
71-55-6	1,1,1-Trichloroethane	133.41	0.12	U	0.30	0.030
110-82-7	Cyclohexane	84.16	1.3		0.30	0.029
56-23-5	Carbon tetrachloride	153.81	0.069	J	0.30	0.020
540-84-1	2,2,4-Trimethylpentane	114.23	2.0		0.30	0.023
71-43-2	Benzene	78.11	0.16	J	0.30	0.027
107-06-2	1,2-Dichloroethane	98.96	0.060	U	0.30	0.027

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786CA01AG Lab Sample ID: 280-32071-14

Matrix: Air Lab File ID: ckzg020.d

Analysis Method: TO-15 Date Collected: 08/03/2012 13:25

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 04:39

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.61		0.30	0.026
79-01-6	Trichloroethene	131.39	46		0.30	0.014
80-62-6	Methyl methacrylate	100.12	0.060	U	0.75	0.024
78-87-5	1,2-Dichloropropane	112.99	0.12	U	0.30	0.035
123-91-1	1,4-Dioxane	88.11	0.30	U	7.5	0.11
75-27-4	Bromodichloromethane	163.83	0.060	U	0.30	0.018
10061-01-5	cis-1,3-Dichloropropene	110.97	0.060	U	0.30	0.020
108-10-1	methyl isobutyl ketone	100.16	0.12	U	0.75	0.051
108-88-3	Toluene	92.14	2.5		0.30	0.021
10061-02-6	trans-1,3-Dichloropropene	110.97	0.060	U	0.30	0.023
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.30	0.024
127-18-4	Tetrachloroethene	165.83	3.2		0.30	0.023
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.12	U	0.75	0.060
124-48-1	Dibromochloromethane	208.29	0.060	U	0.30	0.017
106-93-4	1,2-Dibromoethane	187.87	0.060	U	0.30	0.021
108-90-7	Chlorobenzene	112.30	0.060	U	0.30	0.020
100-41-4	Ethylbenzene	106.17	0.25	J	0.30	0.023
179601-23-1	m,p-Xylene	106.17	0.76		0.75	0.033
95-47-6	Xylene, o-	106.17	0.29	J	0.30	0.024
1330-20-7	Xylene (total)	106.17	1.1		0.30	0.024
100-42-5	Styrene	104.15	0.11	J	0.30	0.017
75-25-2	Bromoform	252.75	0.042	U	0.30	0.011
98-82-8	Cumene	120.19	0.060	U	0.30	0.017
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.30	0.017
103-65-1	n-Propylbenzene	120.19	0.060	U	0.30	0.020
622-96-8	4-Ethyltoluene	120.20	0.074	J	0.30	0.023
108-67-8	1,3,5-Trimethylbenzene	120.20	0.13	J	0.30	0.029
95-49-8	2-Chlorotoluene	126.59	0.060	U	0.30	0.020
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.30	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	0.29	J	0.30	0.032
135-98-8	sec-Butylbenzene	134.22	0.060	U	0.30	0.023
99-87-6	4-Isopropyltoluene	134.22	0.12	U	0.30	0.030
541-73-1	1,3-Dichlorobenzene	147.00	0.082	J	0.30	0.029
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.30	0.027

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786CA01AG Lab Sample ID: 280-32071-14

Matrix: Air Lab File ID: ckzg020.d

Analysis Method: TO-15 Date Collected: 08/03/2012 13:25

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 04:39

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.12	U	0.30	0.033
104-51-8	n-Butylbenzene	134.22	0.12	U	0.30	0.033
95-50-1	1,2-Dichlorobenzene	147.00	0.12	U	0.30	0.039
120-82-1	1,2,4-Trichlorobenzene	181.45	0.12	U	0.75	0.045
87-68-3	Hexachlorobutadiene	260.76	0.12	U	0.30	0.044
91-20-3	Naphthalene	128.17	0.44	J Q	0.75	0.057

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786CA01AG Lab Sample ID: 280-32071-14

Matrix: Air Lab File ID: ckzg020.d

Analysis Method: TO-15 Date Collected: 08/03/2012 13:25

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 04:39

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	3.7	0.15
75-45-6	Freon 22	86.47	0.42	U	2.7	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.84	U	2.1	0.21
74-87-3	Chloromethane	50.49	0.45	J	1.5	0.11
106-97-8	n-Butane	58.12	13		1.8	0.078
75-01-4	Vinyl chloride	62.50	0.11	U	0.77	0.035
106-99-0	1,3-Butadiene	54.09	0.27	U	0.66	0.083
74-83-9	Bromomethane	94.94	0.47	U	1.2	0.16
75-00-3	Chloroethane	64.52	0.32	U	2.0	0.13
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.26	U	1.3	0.12
75-69-4	Trichlorofluoromethane	137.37	1.4	J	1.7	0.18
76-13-1	Freon TF	187.38	0.62	J	2.3	0.23
75-35-4	1,1-Dichloroethene	96.94	1.2	U	1.2	0.51
67-64-1	Acetone	58.08	56		18	1.4
67-63-0	Isopropyl alcohol	60.10	9.6	J	18	0.28
75-15-0	Carbon disulfide	76.14	0.70	J	2.3	0.093
107-05-1	3-Chloropropene	76.53	0.38	U	2.3	0.22
75-09-2	Methylene Chloride	84.93	2.0	J	2.6	0.12
75-65-0	tert-Butyl alcohol	74.12	1.0	J	23	0.19
1634-04-4	Methyl tert-butyl ether	88.15	0.22	U	1.1	0.081
156-60-5	trans-1,2-Dichloroethene	96.94	0.48	U	1.2	0.14
110-54-3	n-Hexane	86.17	5.4		1.1	0.11
75-34-3	1,1-Dichloroethane	98.96	0.49	U	1.2	0.14
78-93-3	Methyl Ethyl Ketone	72.11	5.3		2.2	0.11
156-59-2	cis-1,2-Dichloroethene	96.94	1.6		1.2	0.50
540-59-0	1,2-Dichloroethene, Total	96.94	1.6		1.2	0.14
67-66-3	Chloroform	119.38	2.8		1.5	0.18
109-99-9	Tetrahydrofuran	72.11	2.6	J	22	0.13
71-55-6	1,1,1-Trichloroethane	133.41	0.65	U	1.6	0.16
110-82-7	Cyclohexane	84.16	4.4		1.0	0.098
56-23-5	Carbon tetrachloride	153.81	0.44	J	1.9	0.12
540-84-1	2,2,4-Trimethylpentane	114.23	9.5		1.4	0.11
71-43-2	Benzene	78.11	0.51	J	0.96	0.086
107-06-2	1,2-Dichloroethane	98.96	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786CA01AG Lab Sample ID: 280-32071-14

Matrix: Air Lab File ID: ckzg020.d

Analysis Method: TO-15 Date Collected: 08/03/2012 13:25

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 04:39

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	2.5		1.2	0.10
79-01-6	Trichloroethene	131.39	250		1.6	0.074
80-62-6	Methyl methacrylate	100.12	0.25	U	3.1	0.098
78-87-5	1,2-Dichloropropane	112.99	0.55	U	1.4	0.16
123-91-1	1,4-Dioxane	88.11	1.1	U	27	0.38
75-27-4	Bromodichloromethane	163.83	0.40	U	2.0	0.12
10061-01-5	cis-1,3-Dichloropropene	110.97	0.27	U	1.4	0.089
108-10-1	methyl isobutyl ketone	100.16	0.49	U	3.1	0.21
108-88-3	Toluene	92.14	9.5		1.1	0.079
10061-02-6	trans-1,3-Dichloropropene	110.97	0.27	U	1.4	0.10
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	1.6	0.13
127-18-4	Tetrachloroethene	165.83	22		2.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.49	U	3.1	0.25
124-48-1	Dibromochloromethane	208.29	0.51	U	2.6	0.14
106-93-4	1,2-Dibromoethane	187.87	0.46	U	2.3	0.16
108-90-7	Chlorobenzene	112.30	0.28	U	1.4	0.090
100-41-4	Ethylbenzene	106.17	1.1	J	1.3	0.098
179601-23-1	m,p-Xylene	106.17	3.3		3.3	0.14
95-47-6	Xylene, o-	106.17	1.3	J	1.3	0.10
1330-20-7	Xylene (total)	106.17	4.6		1.3	0.10
100-42-5	Styrene	104.15	0.48	J	1.3	0.070
75-25-2	Bromoform	252.75	0.43	U	3.1	0.11
98-82-8	Cumene	120.19	0.29	U	1.5	0.081
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.1	0.11
103-65-1	n-Propylbenzene	120.19	0.29	U	1.5	0.096
622-96-8	4-Ethyltoluene	120.20	0.36	J	1.5	0.11
108-67-8	1,3,5-Trimethylbenzene	120.20	0.65	J	1.5	0.14
95-49-8	2-Chlorotoluene	126.59	0.31	U	1.6	0.10
98-06-6	tert-Butylbenzene	134.22	0.33	U	1.6	0.091
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4	J	1.5	0.15
135-98-8	sec-Butylbenzene	134.22	0.33	U	1.6	0.12
99-87-6	4-Isopropyltoluene	134.22	0.66	U	1.6	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.49	J	1.8	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	1.8	0.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786CA01AG Lab Sample ID: 280-32071-14

Matrix: Air Lab File ID: ckzg020.d

Analysis Method: TO-15 Date Collected: 08/03/2012 13:25

Sample wt/vol: 133(mL) Date Analyzed: 08/23/2012 04:39

Soil Aliquot Vol: Dilution Factor: 1.5

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.62	U	1.6	0.17
104-51-8	n-Butylbenzene	134.22	0.66	U	1.6	0.18
95-50-1	1,2-Dichlorobenzene	147.00	0.72	U	1.8	0.23
120-82-1	1,2,4-Trichlorobenzene	181.45	0.89	U	5.6	0.33
87-68-3	Hexachlorobutadiene	260.76	1.3	U	3.2	0.46
91-20-3	Naphthalene	128.17	2.3	J Q	3.9	0.30

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-14
Client Smp ID: 785786CA01AG
Inj Date : 23-AUG-2012 04:39
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-14
Misc Info : 133,1.5, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 13:07 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 17
Dil Factor: 1.50000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.50000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	133.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	27976	0.30742	0.46(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	3719	0.14655	0.22(a)
6 Butane	43	5.067	5.078	(0.419)	163090	3.63332	5.4
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.566)	16326	0.17011	0.26(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.024	8.034	(0.664)	3622	0.05397	0.081(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.253	8.269	(0.683)	576416	15.7943	24

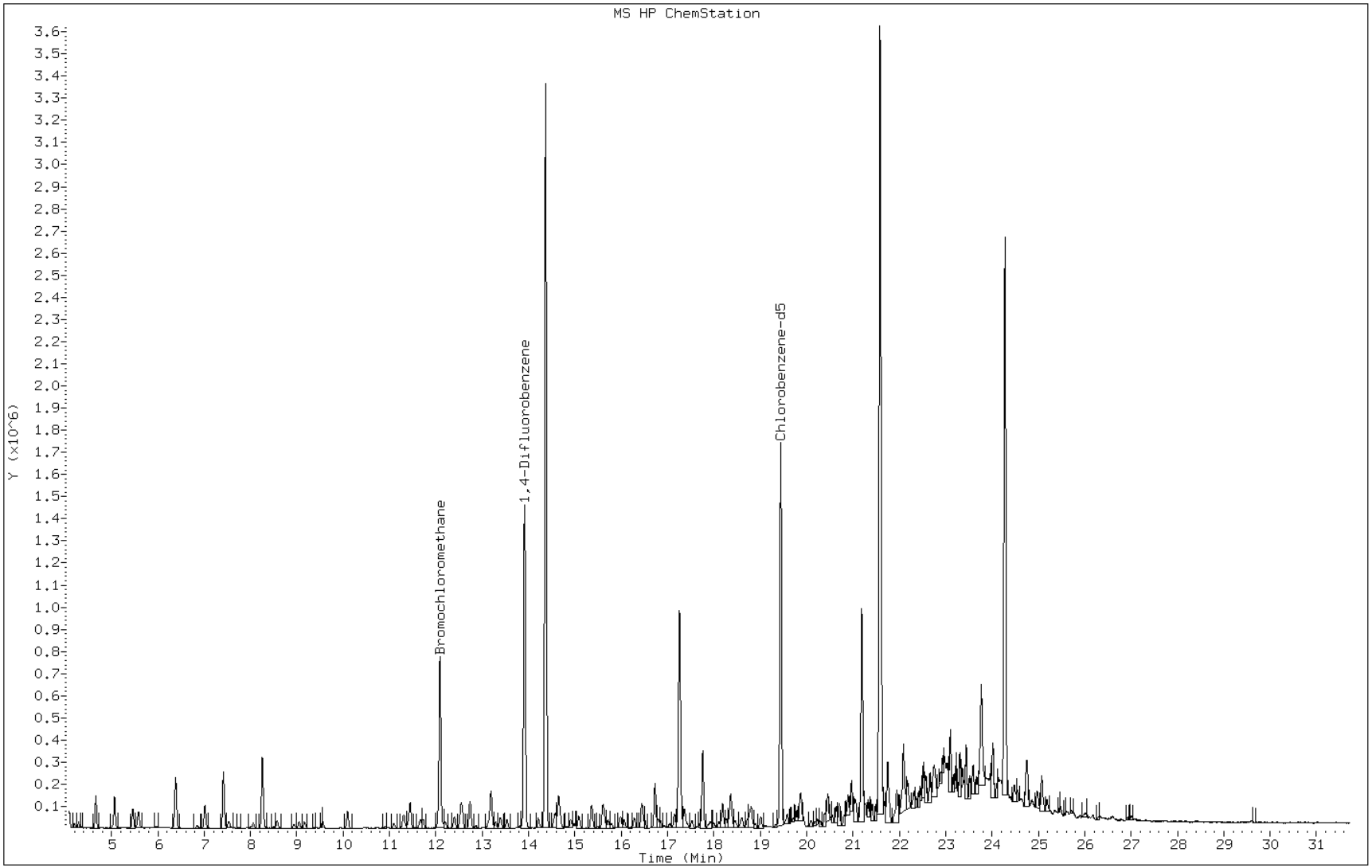
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	13306	0.15040	0.23(a)
	22 Isopropanol	45	8.573	8.573	(0.709)	66624	2.59834	3.9(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.166	9.177	(0.758)	12015	0.38593	0.58(a)
	26 Tert-butyl alcohol	59	9.411	9.390	(0.779)	8820	0.22614	0.34(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	51323	1.02321	1.5
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61				10271	0.27689	0.42
	34 1,2-Dichloroethene (cis)	96	11.637	11.653	(0.963)	10271	0.27689	0.42
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.966)	16512	1.19075	1.8(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	331440	10.0000	
	38 Tetrahydrofuran	42	12.149	12.139	(0.873)	17364	0.59516	0.89(a)
	39 Chloroform	83	12.202	12.213	(1.010)	27971	0.37778	0.57
	40 Cyclohexane	84	12.539	12.544	(0.901)	44125	0.84764	1.3(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.774	12.784	(0.918)	4136	0.04624	0.069(a)
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	220748	1.34851	2.0
	44 Benzene	78	13.179	13.190	(0.947)	11597	0.10551	0.16(aH)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.531	13.542	(0.972)	23599	0.40337	0.61
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1855873	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	1579889	30.5414	46
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	16.728	16.734	(0.861)	137442	1.67941	2.5
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.758	17.764	(0.914)	165056	2.13910	3.2
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1707114	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.011)	29115	0.16913	0.25(a)
	69 Xylene (m,p)	106	19.877	19.893	(1.022)	36500	0.50895	0.76
M	70 Xylenes, Total	106				50114	0.70502	1.1
	71 Xylene (o)	106	20.635	20.646	(1.061)	13614	0.19607	0.29(a)
	72 Styrene	104	20.672	20.678	(1.063)	7363	0.07499	0.11(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	9512	0.04920	0.074(a)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.182	22.193	(1.141)	14849	0.08855	0.13(a)
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	31061	0.19145	0.29(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	23.196	23.202	(1.193)	6214	0.05438	0.082(aQ)
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	27424	0.29072	0.44(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File:	ckzg020.d	Date:	23-AUG-2012 04:39
Client ID:	785786CA01AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-14		
Lab Sample ID:	280-32071-14		



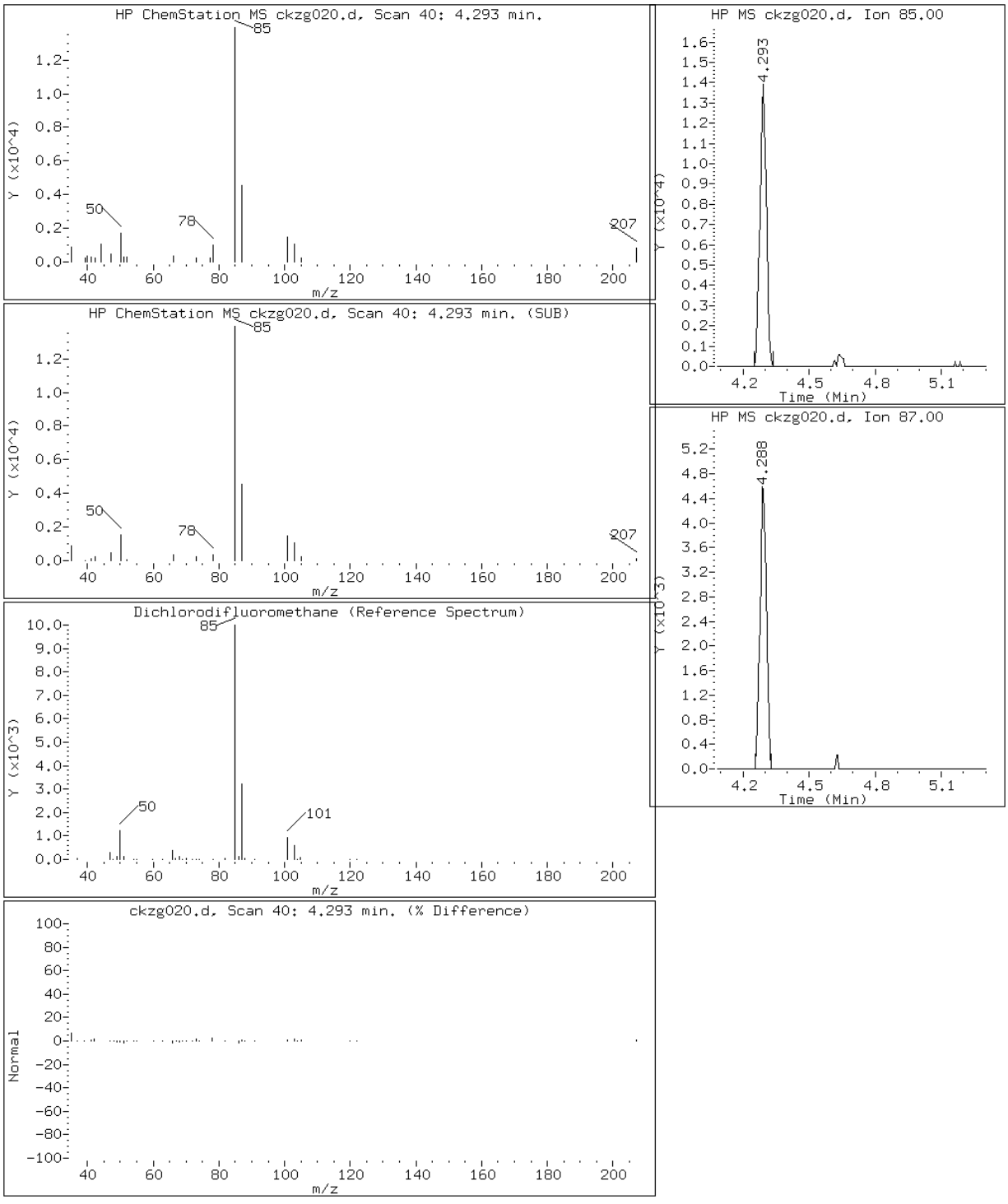
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

2 Dichlorodifluoromethane



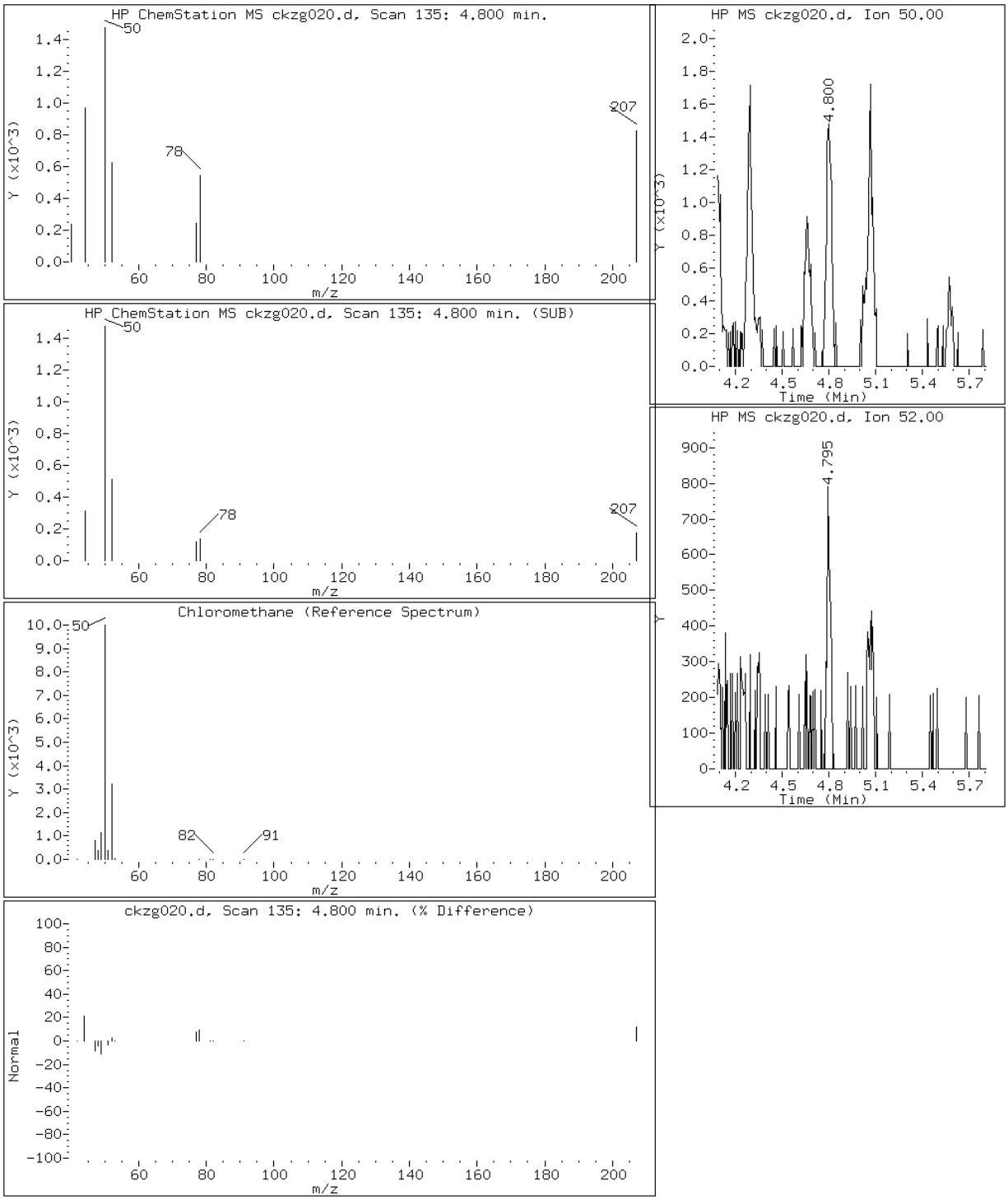
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

5 Chloromethane



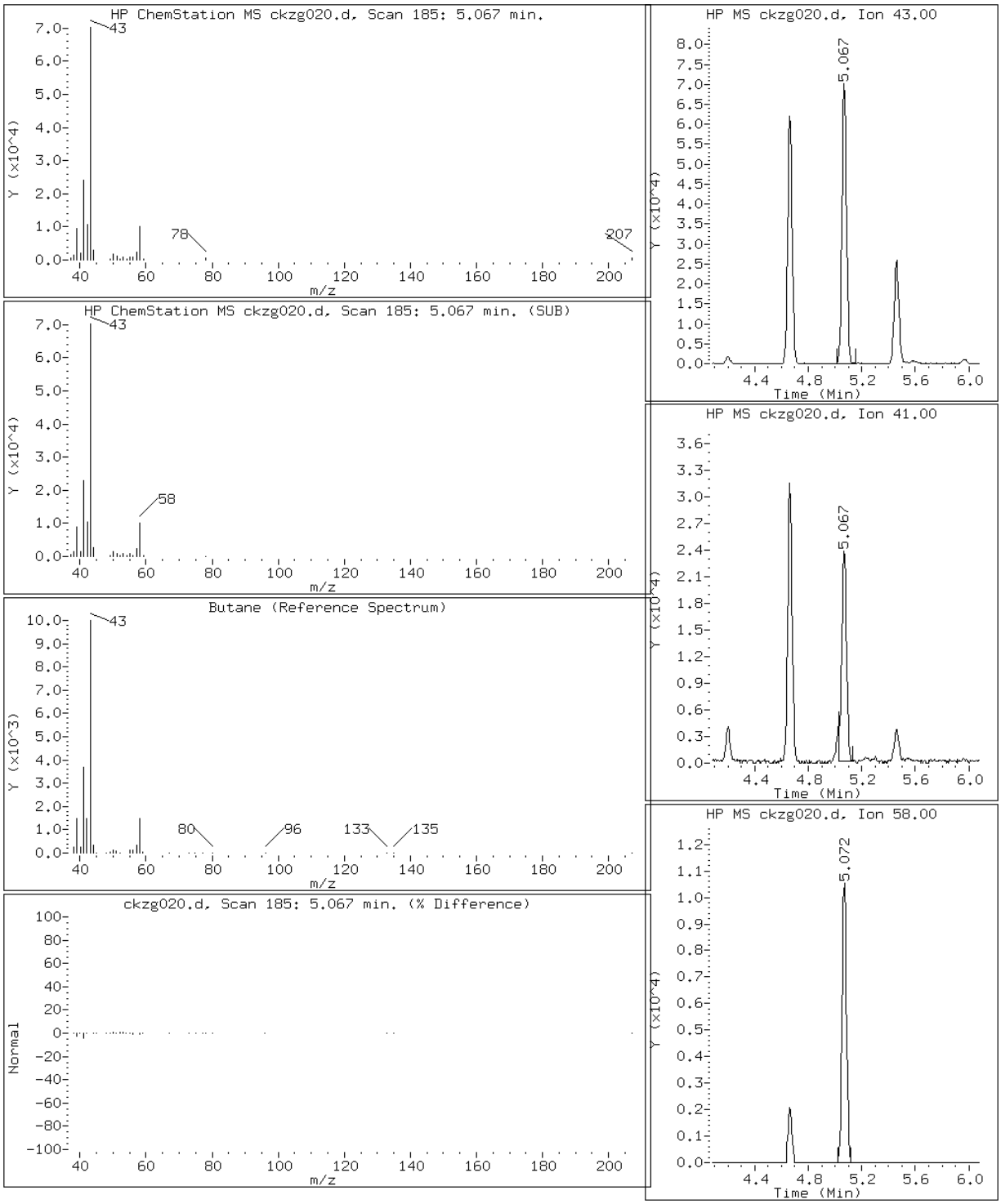
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

6 Butane



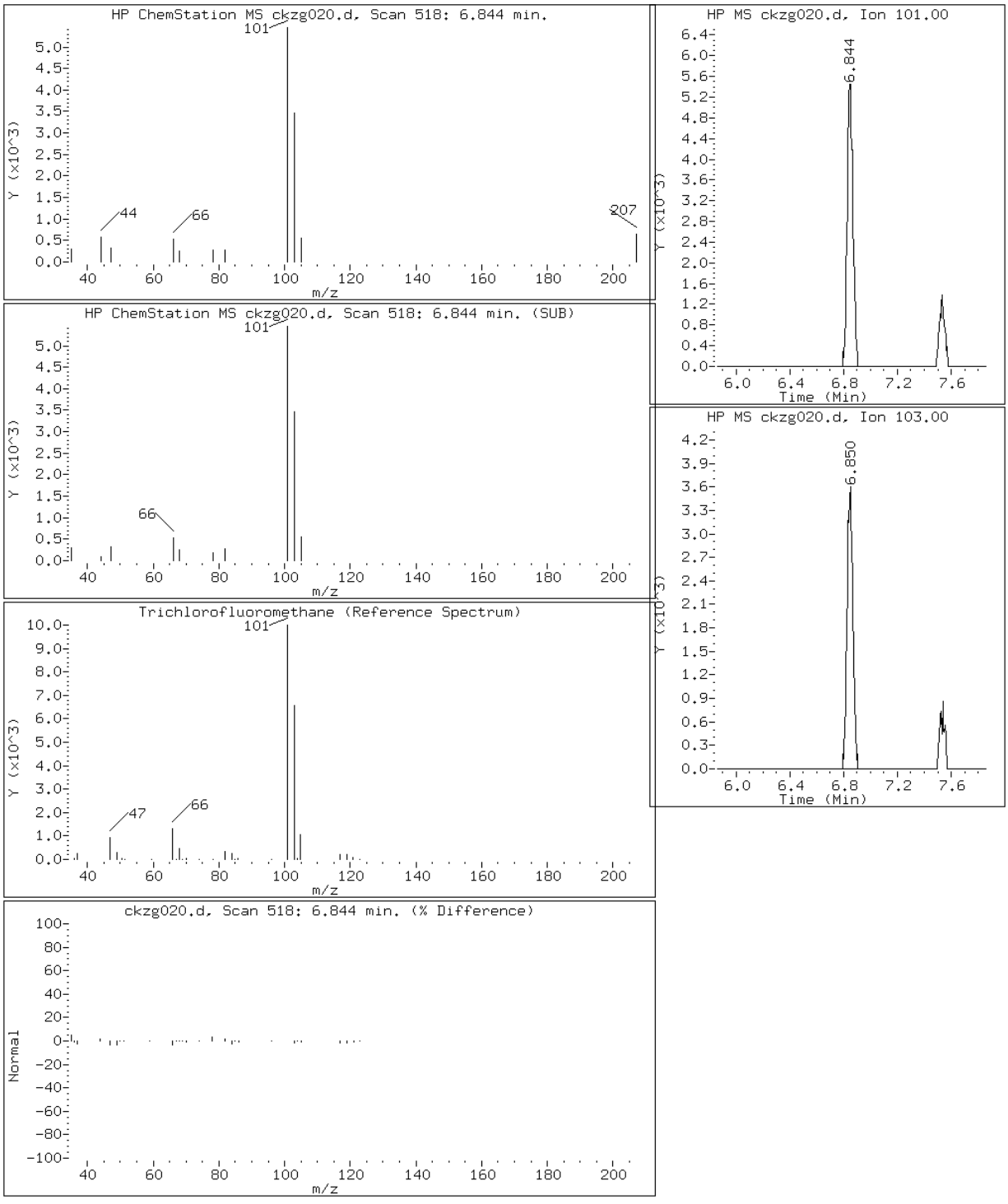
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

13 Trichlorofluoromethane



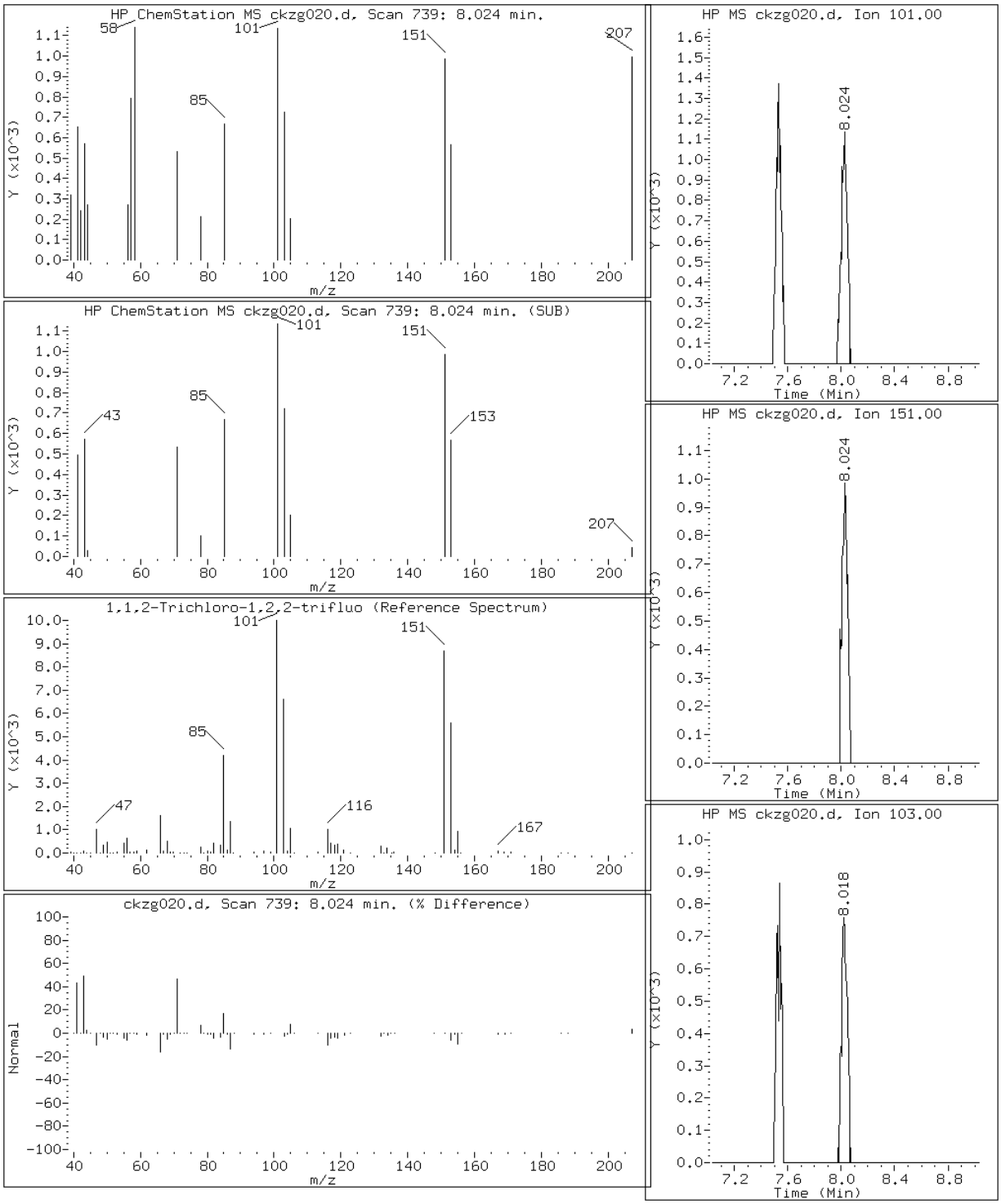
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



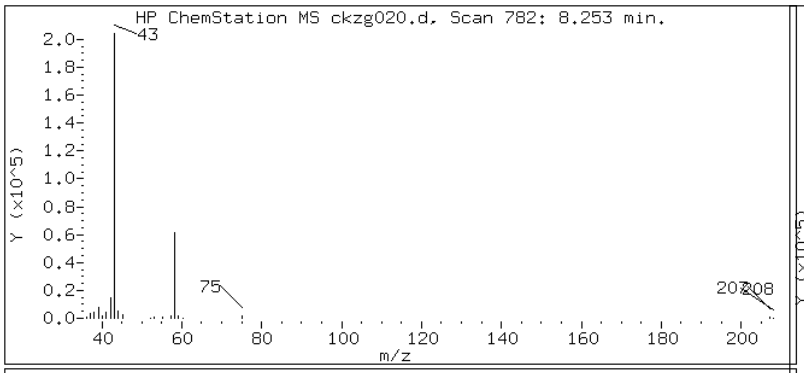
Data File: ckzg020.d

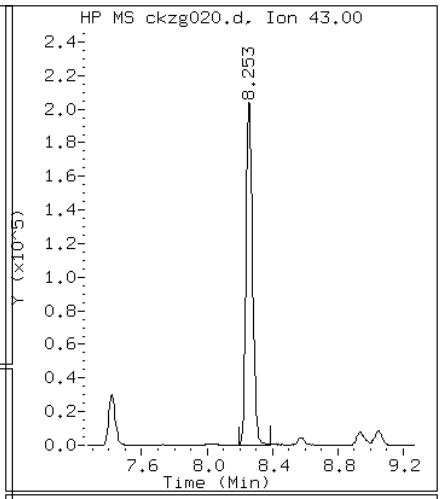
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

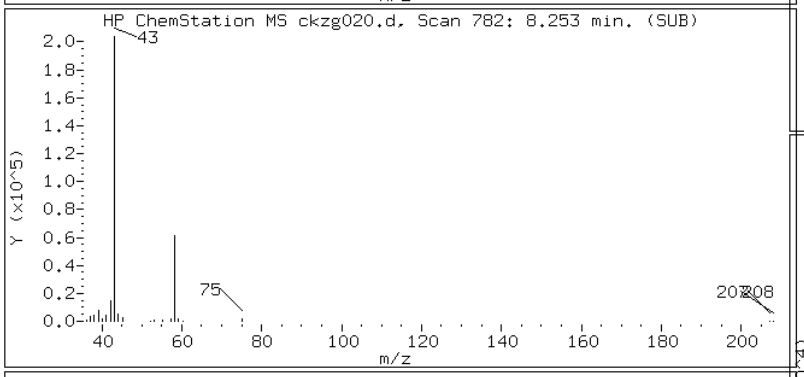
Client ID: 785786CA01AG Instrument: C.i

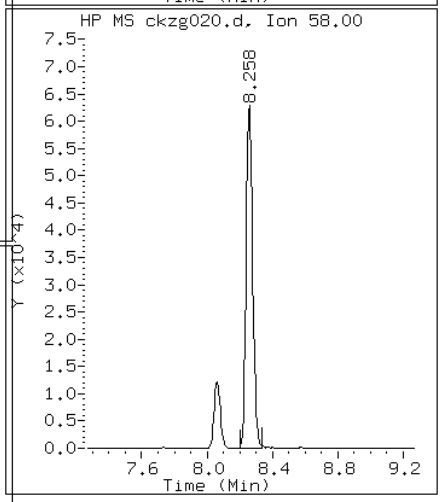
Sample Info: 280-32071-A-14 Operator: pad

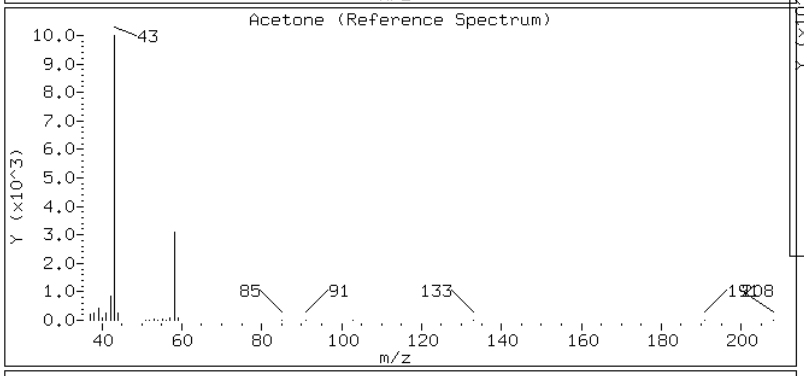
20 Acetone

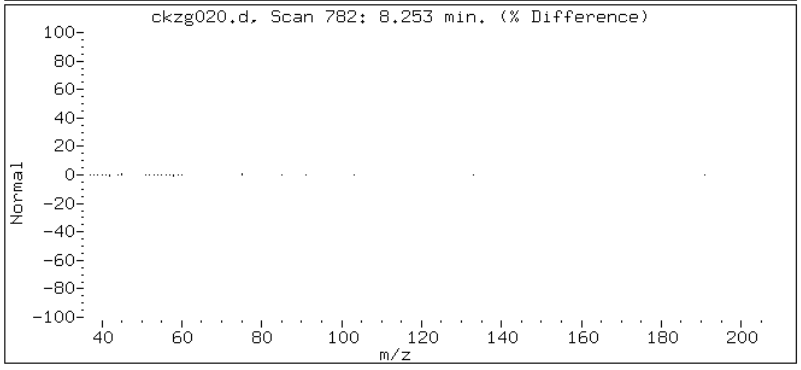












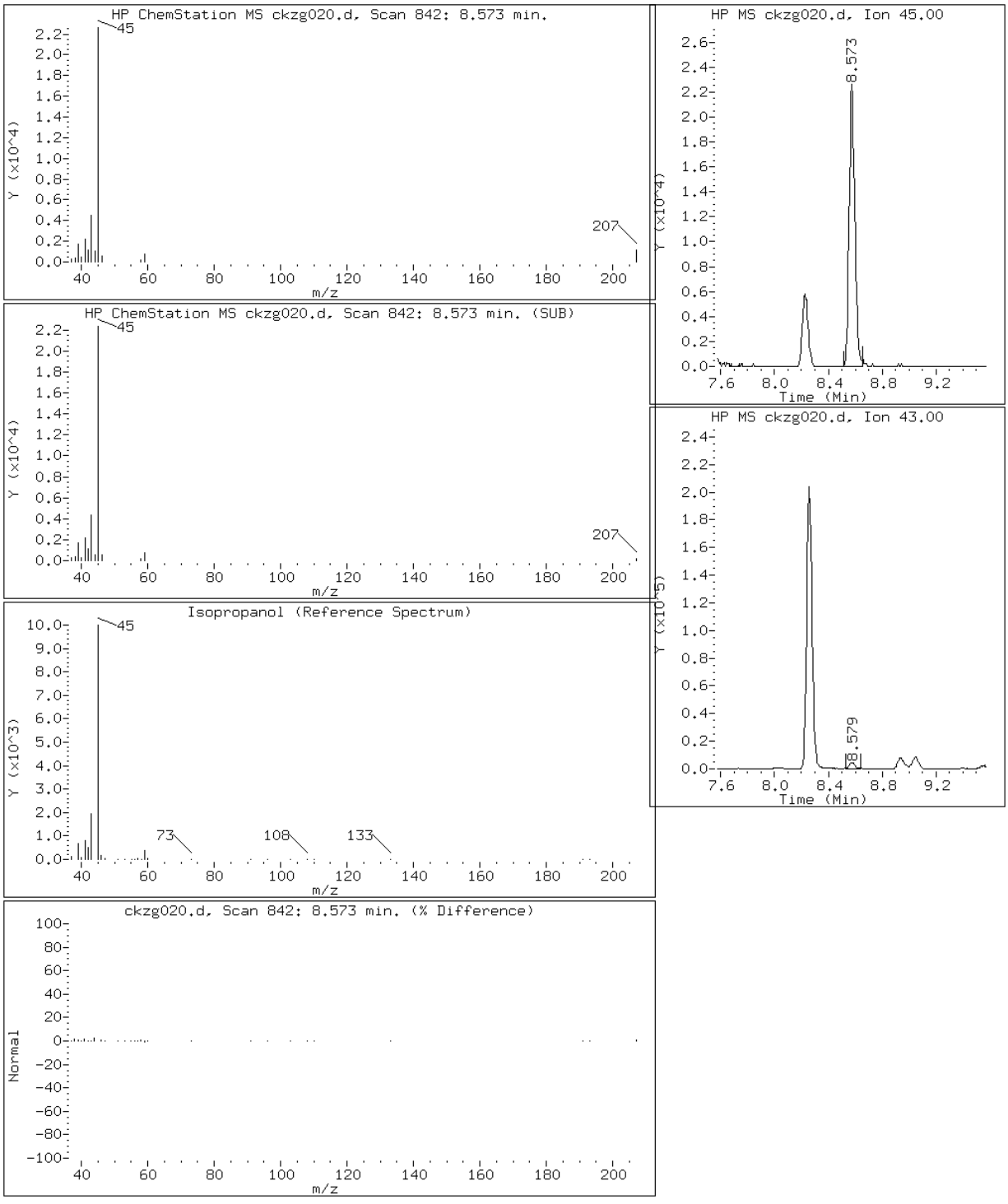
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

22 Isopropanol



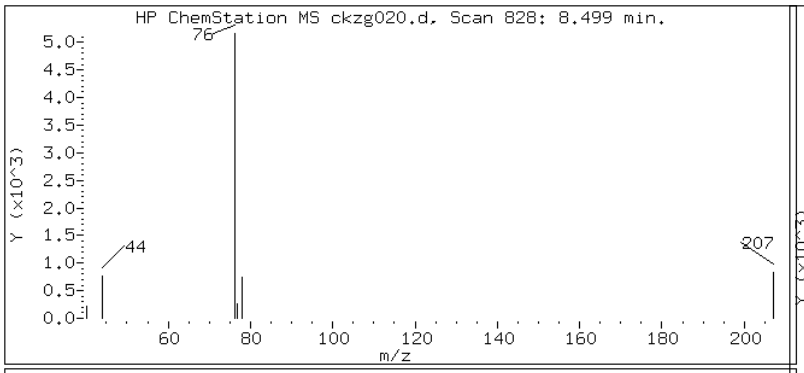
Data File: ckzg020.d

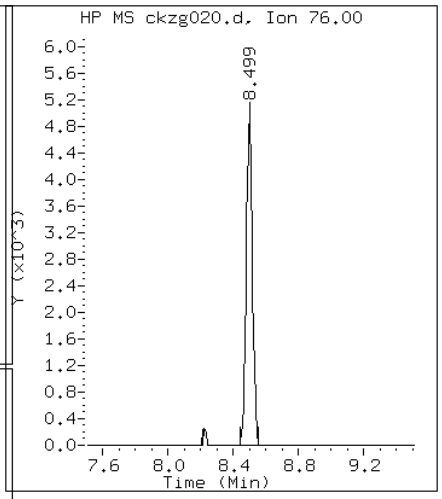
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

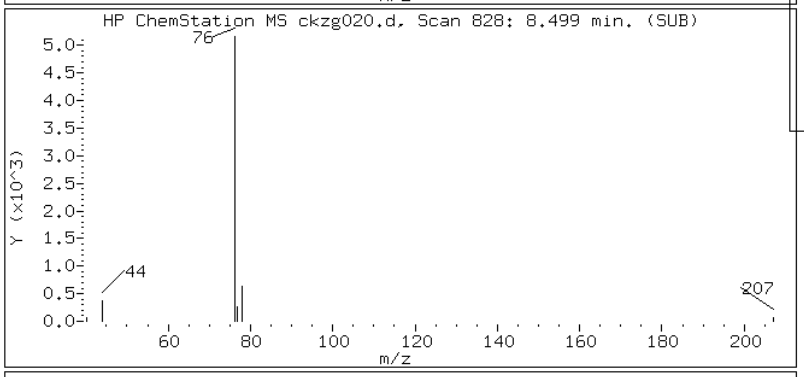
Client ID: 785786CA01AG Instrument: C.i

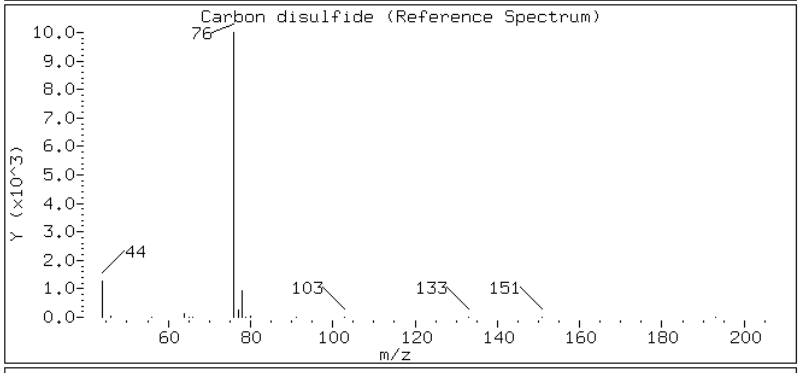
Sample Info: 280-32071-A-14 Operator: pad

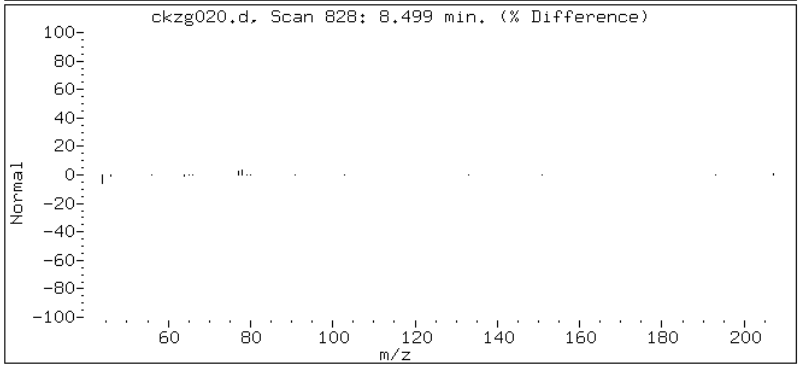
21 Carbon disulfide











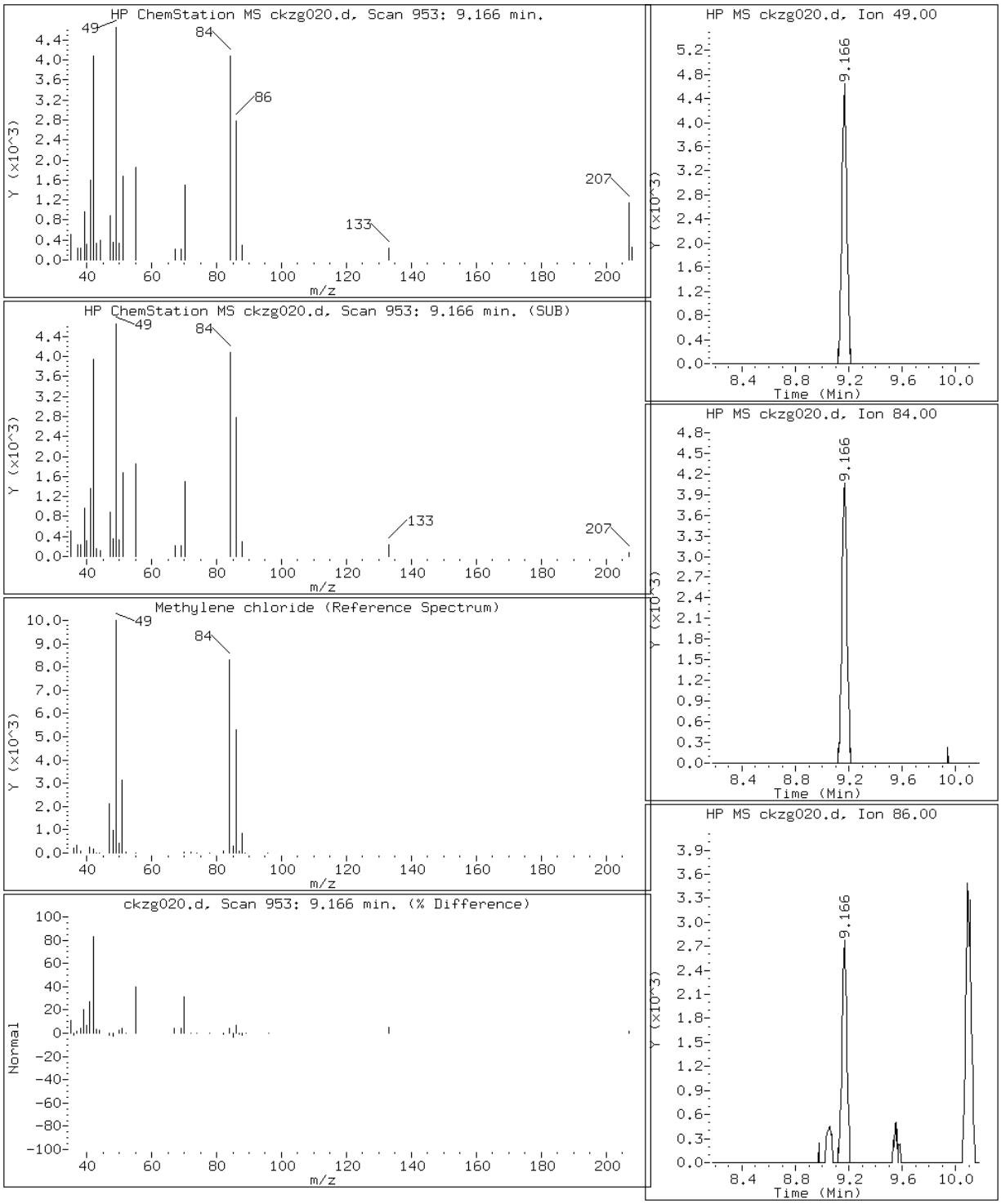
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

25 Methylene chloride



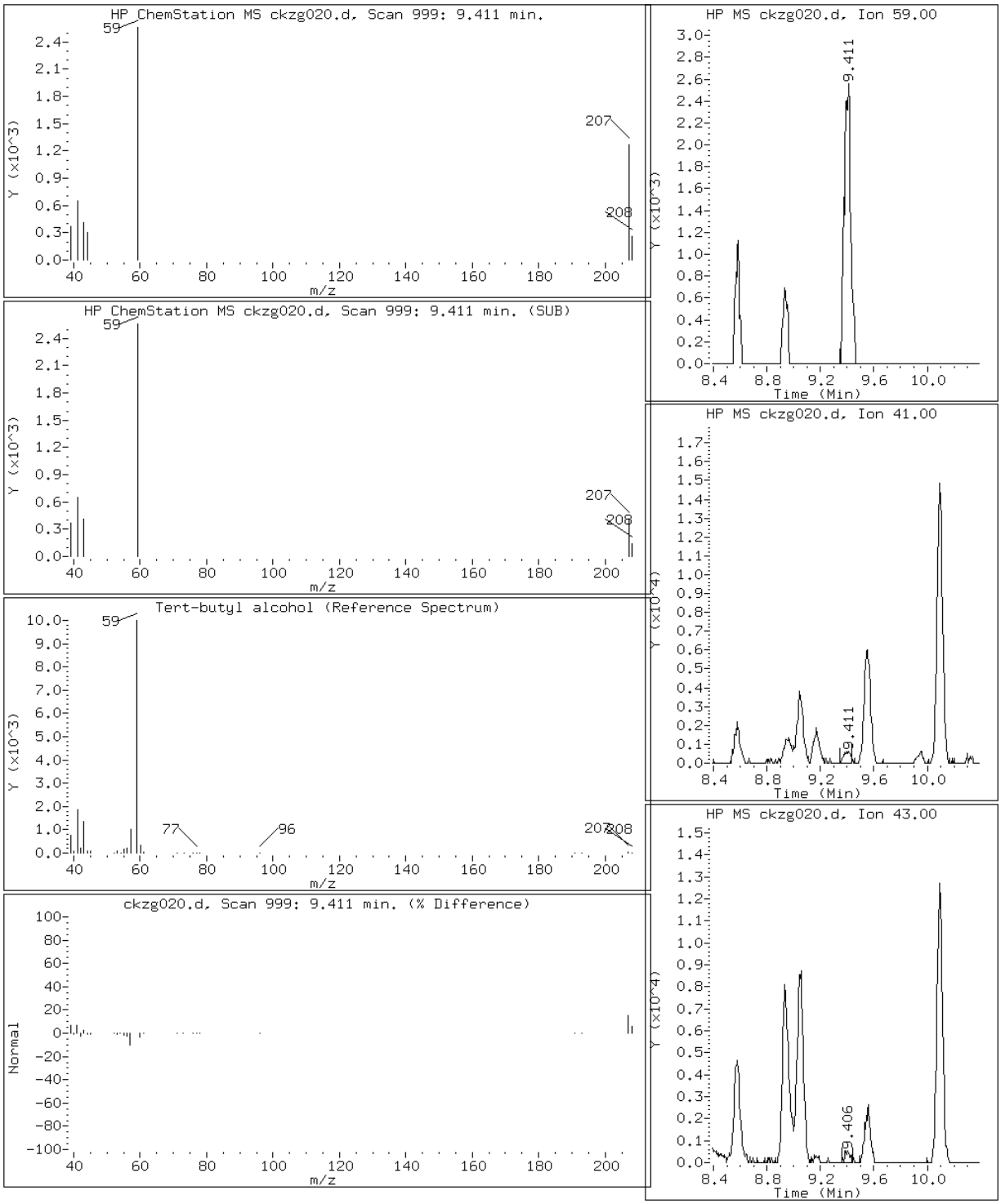
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

26 Tert-butyl alcohol



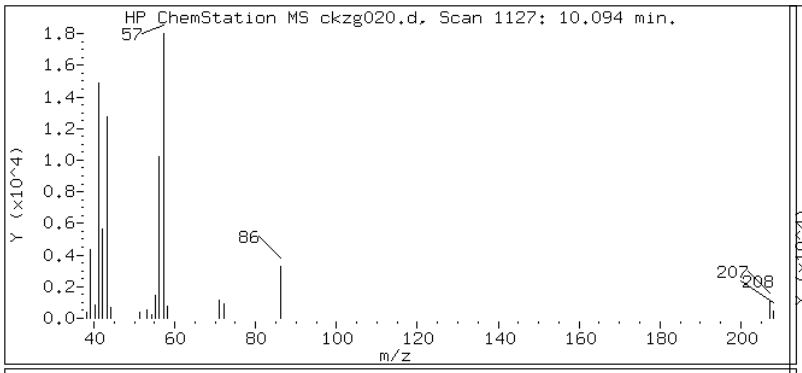
Data File: ckzg020.d

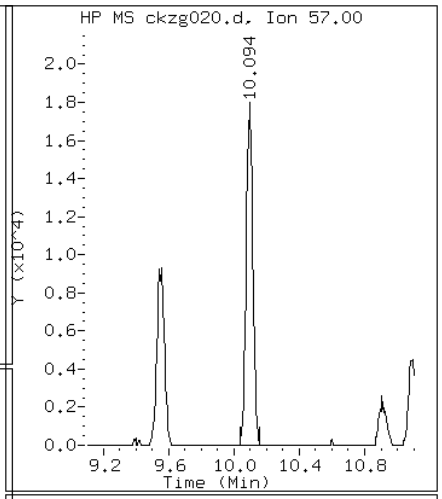
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

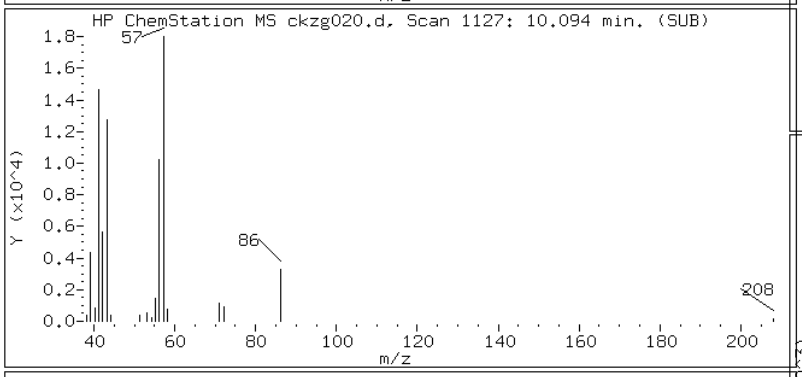
Client ID: 785786CA01AG Instrument: C.i

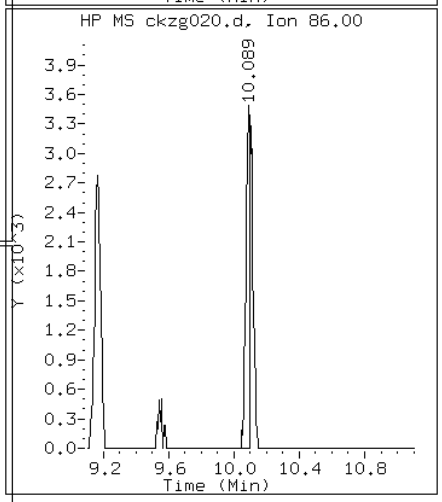
Sample Info: 280-32071-A-14 Operator: pad

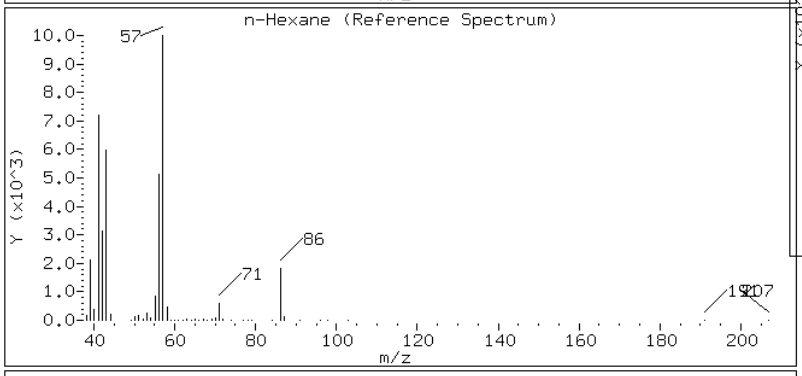
30 n-Hexane

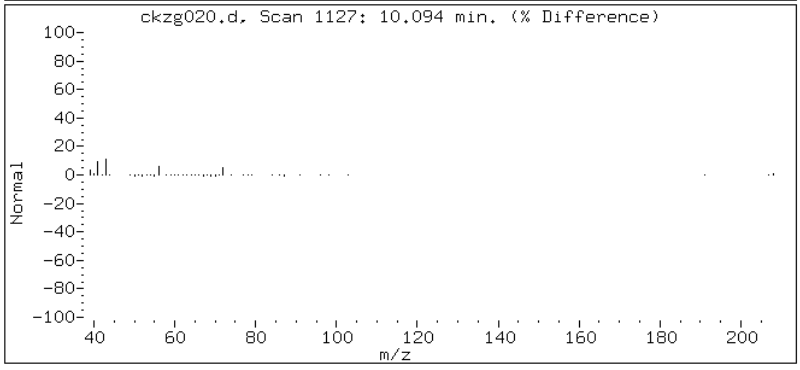












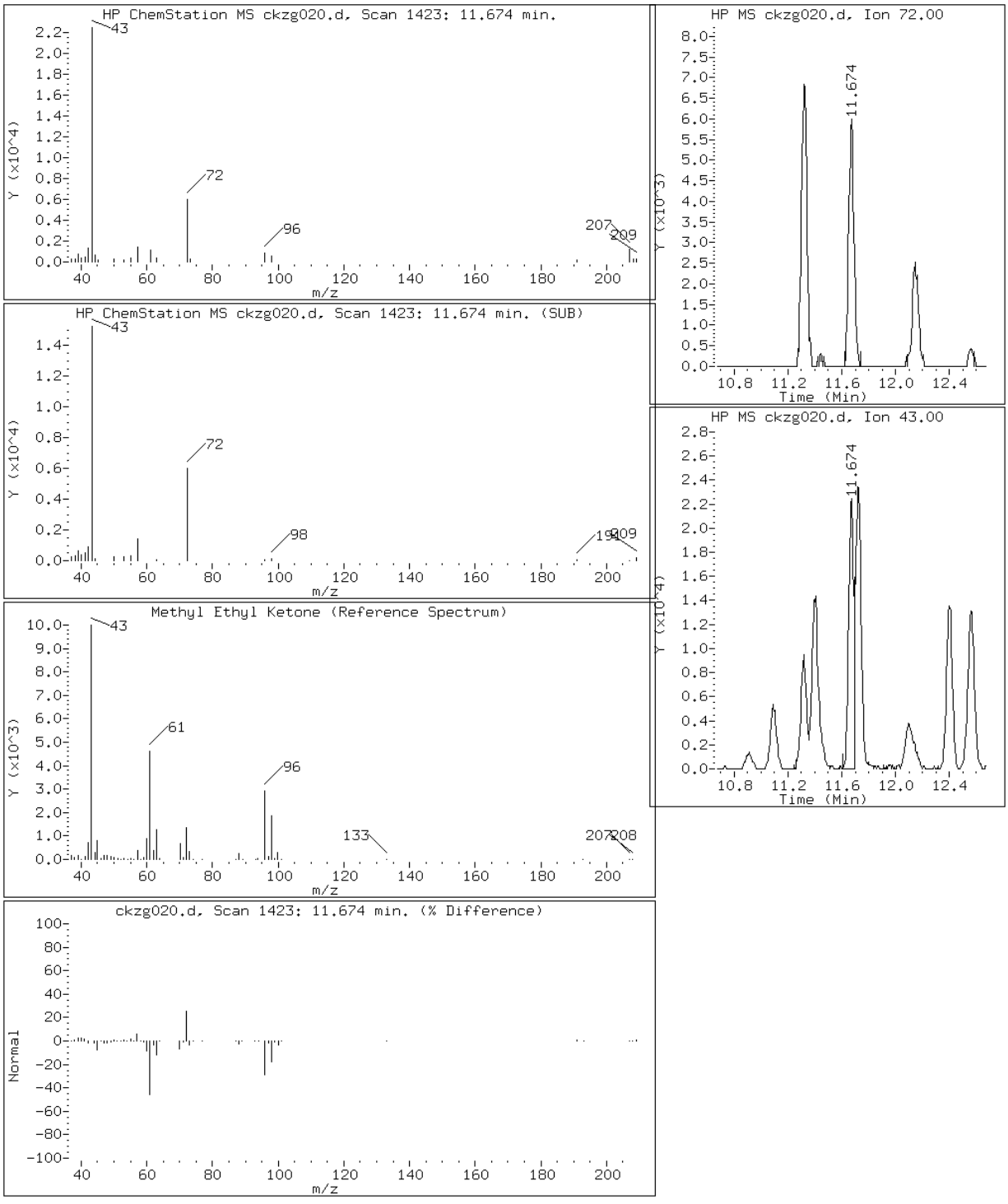
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

36 Methyl Ethyl Ketone



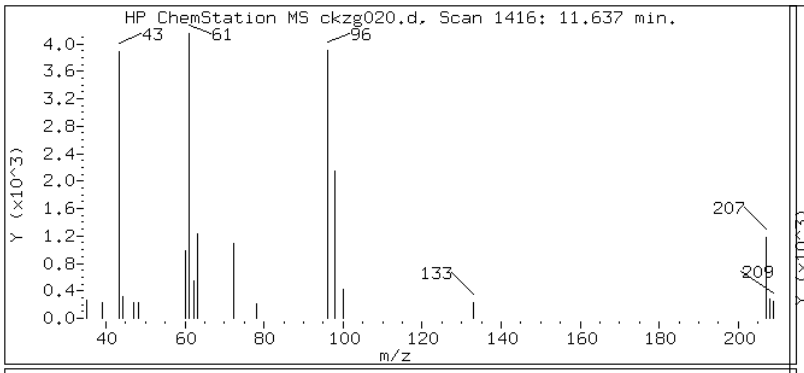
Data File: ckzg020.d

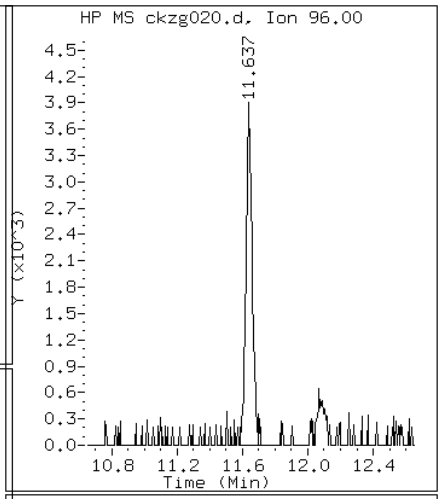
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

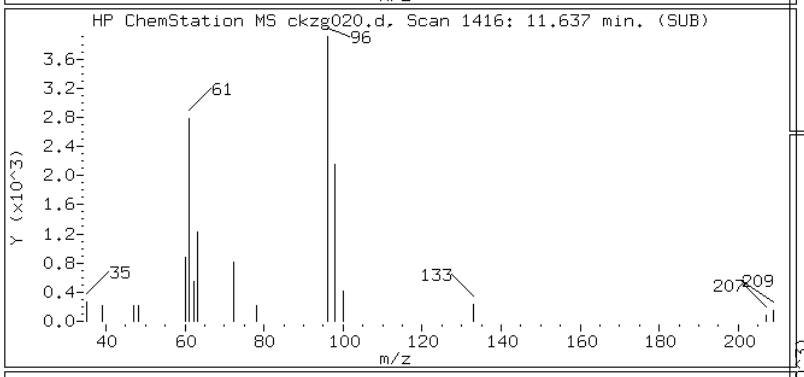
Client ID: 785786CA01AG Instrument: C.i

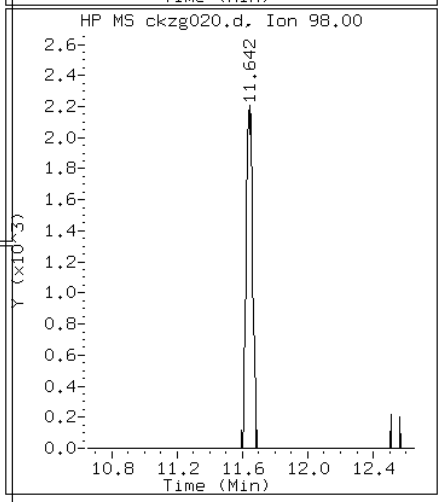
Sample Info: 280-32071-A-14 Operator: pad

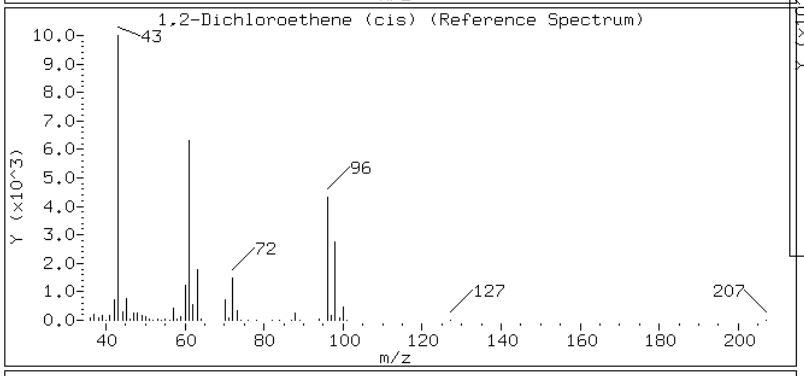
34 1,2-Dichloroethene (cis)

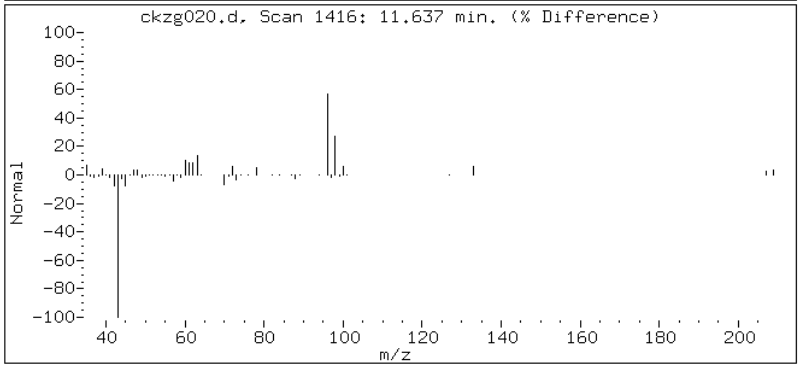












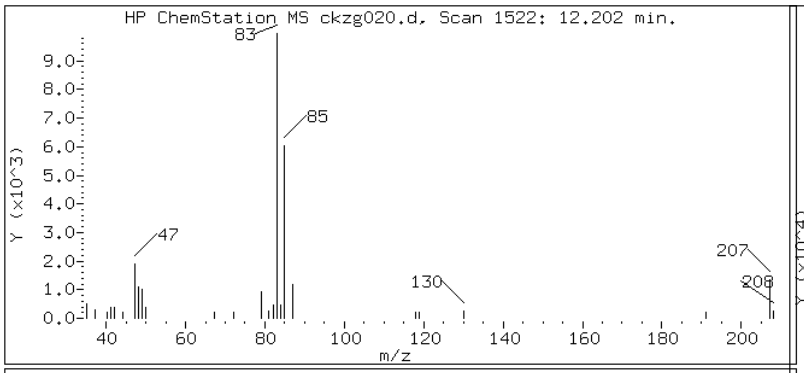
Data File: ckzg020.d

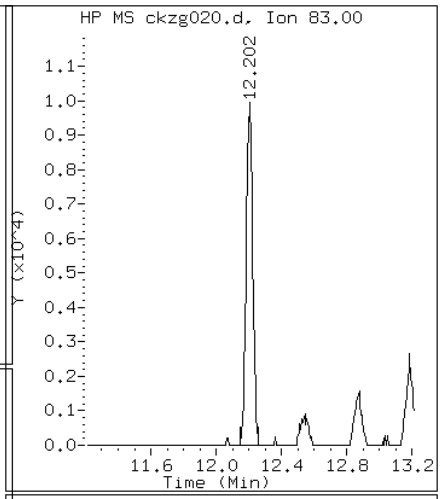
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

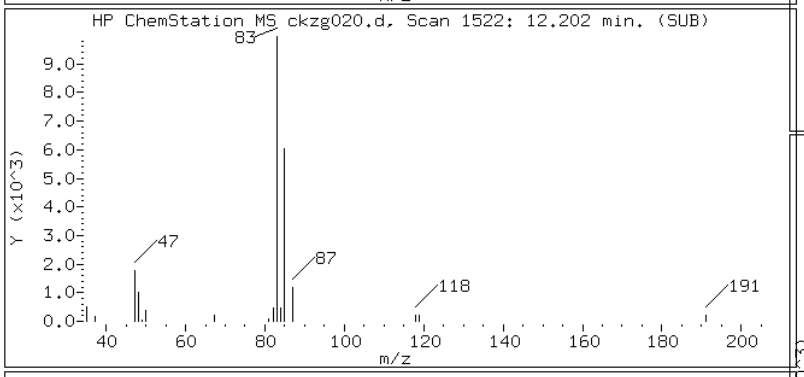
Client ID: 785786CA01AG Instrument: C.i

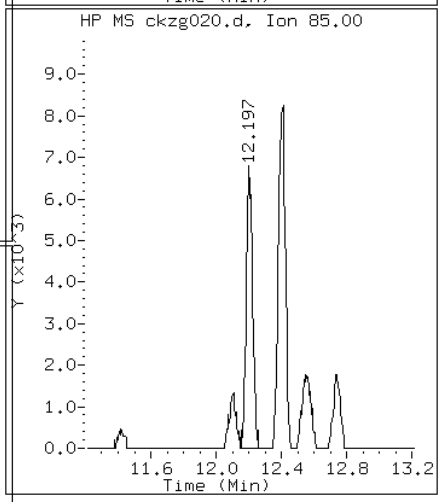
Sample Info: 280-32071-A-14 Operator: pad

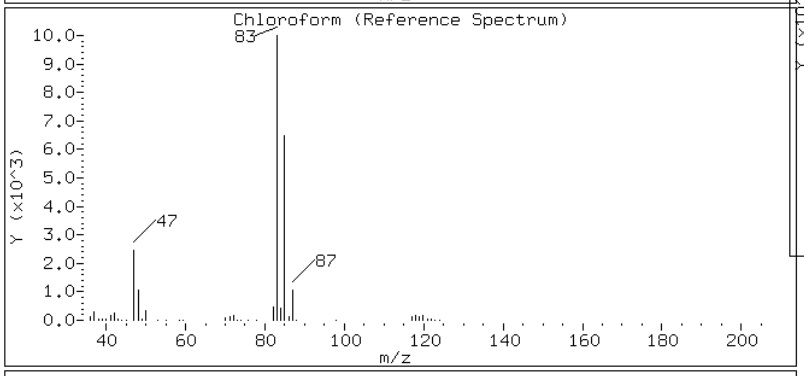
39 Chloroform

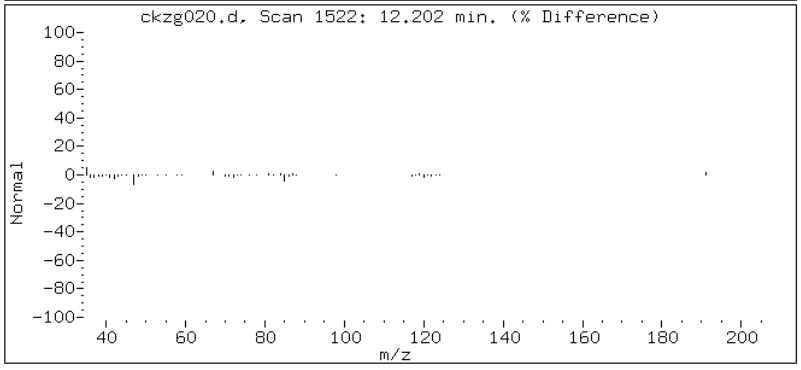












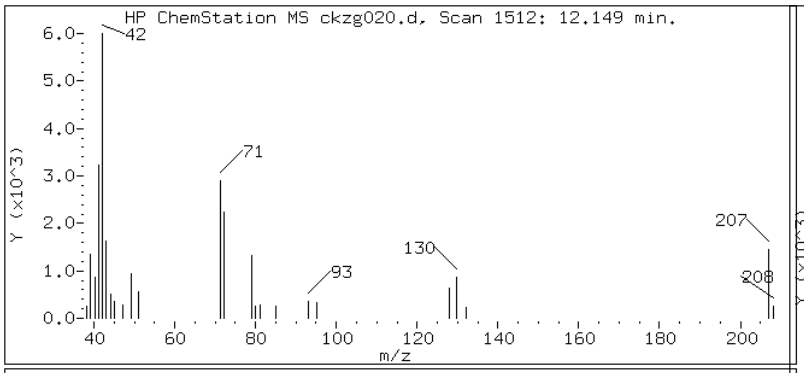
Data File: ckzg020.d

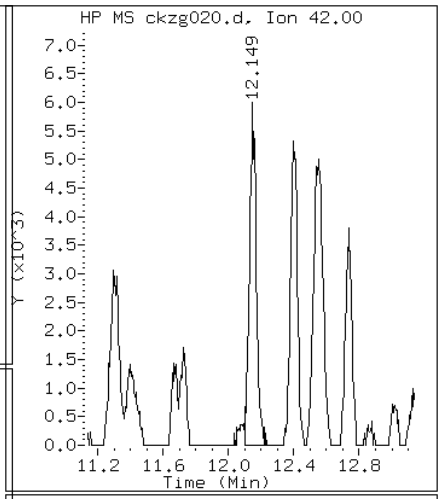
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

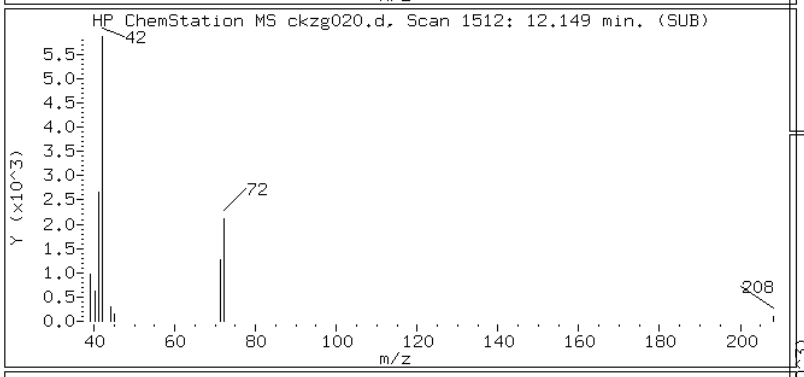
Client ID: 785786CA01AG Instrument: C.i

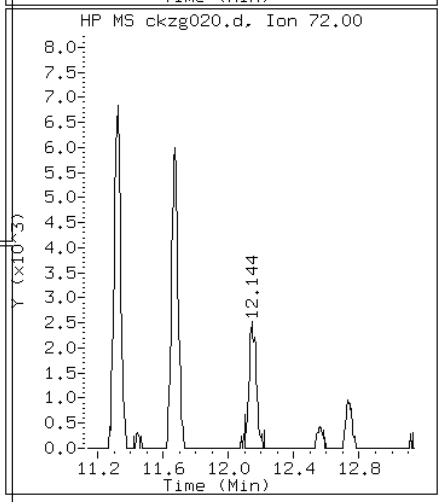
Sample Info: 280-32071-A-14 Operator: pad

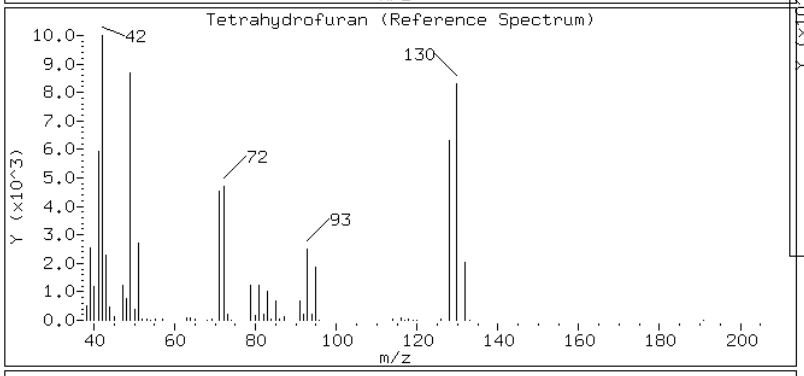
38 Tetrahydrofuran

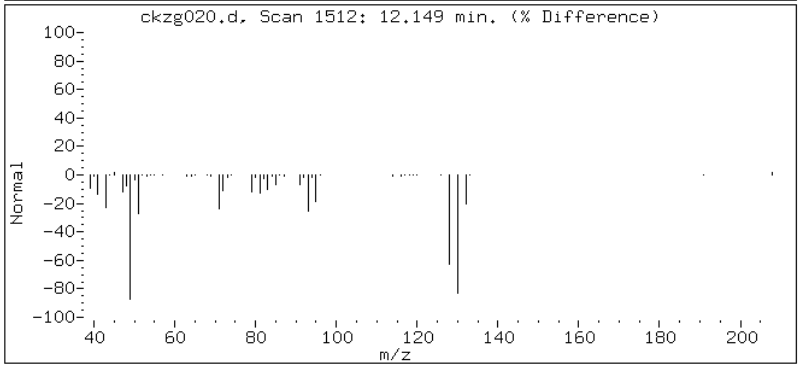












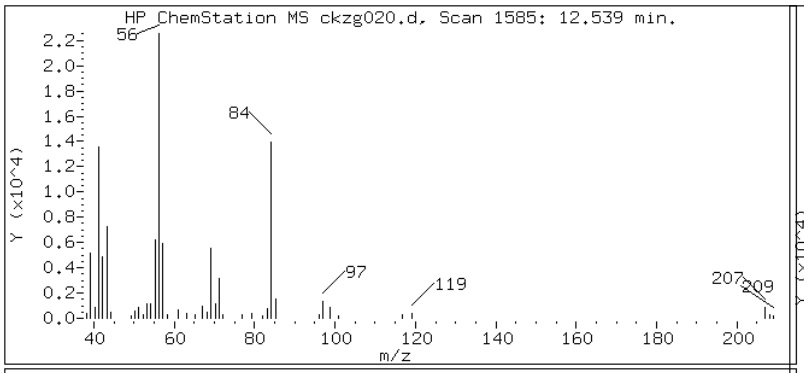
Data File: ckzg020.d

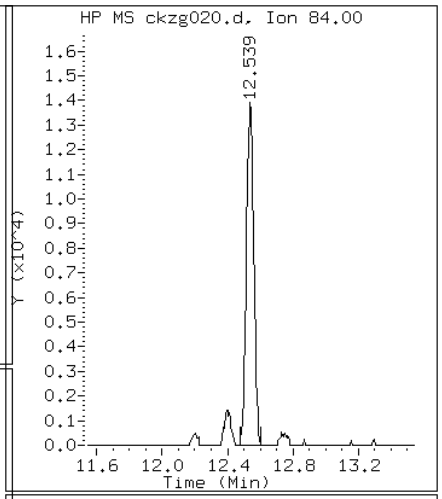
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

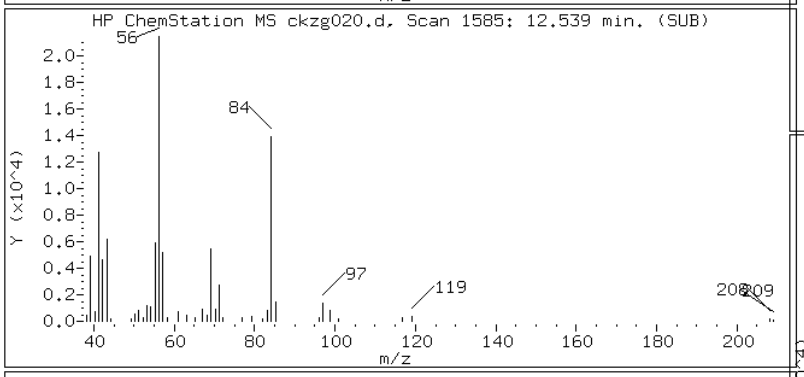
Client ID: 785786CA01AG Instrument: C.i

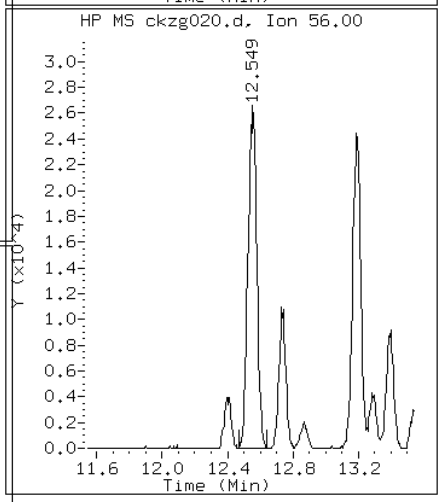
Sample Info: 280-32071-A-14 Operator: pad

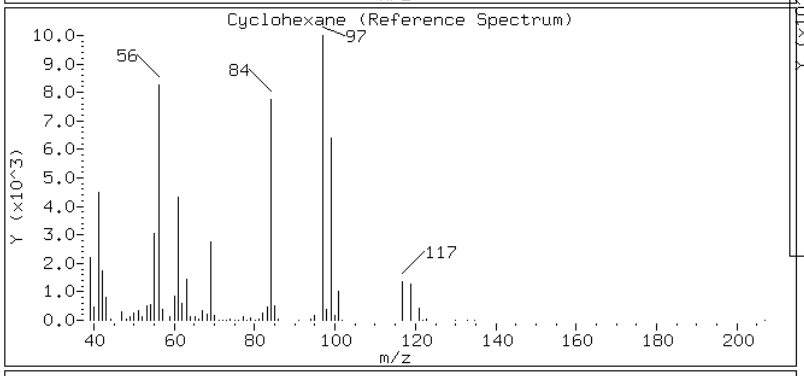
40 Cyclohexane

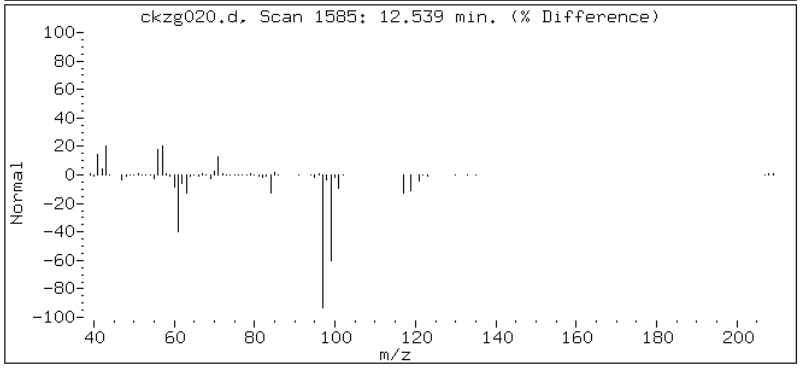












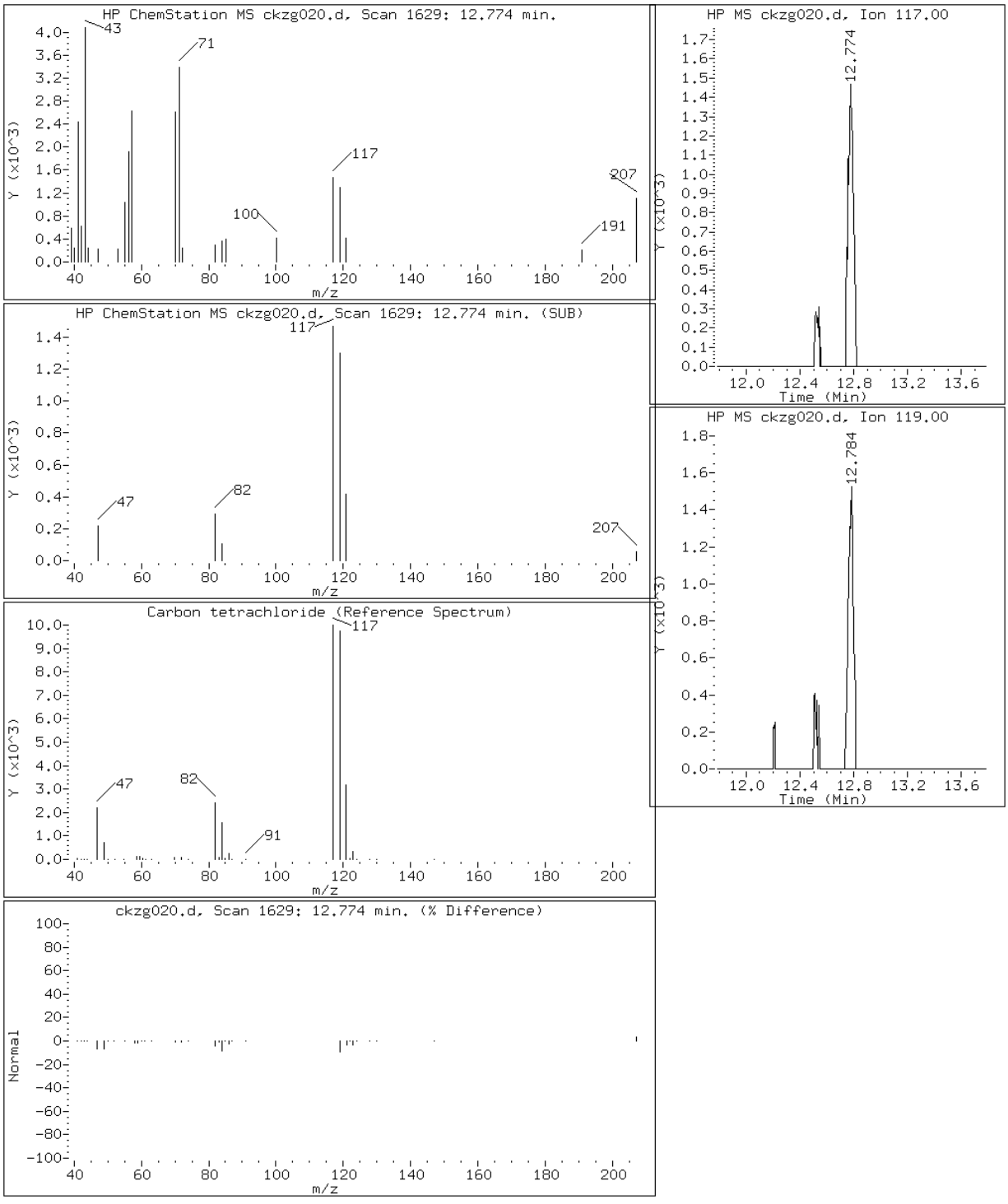
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

42 Carbon tetrachloride



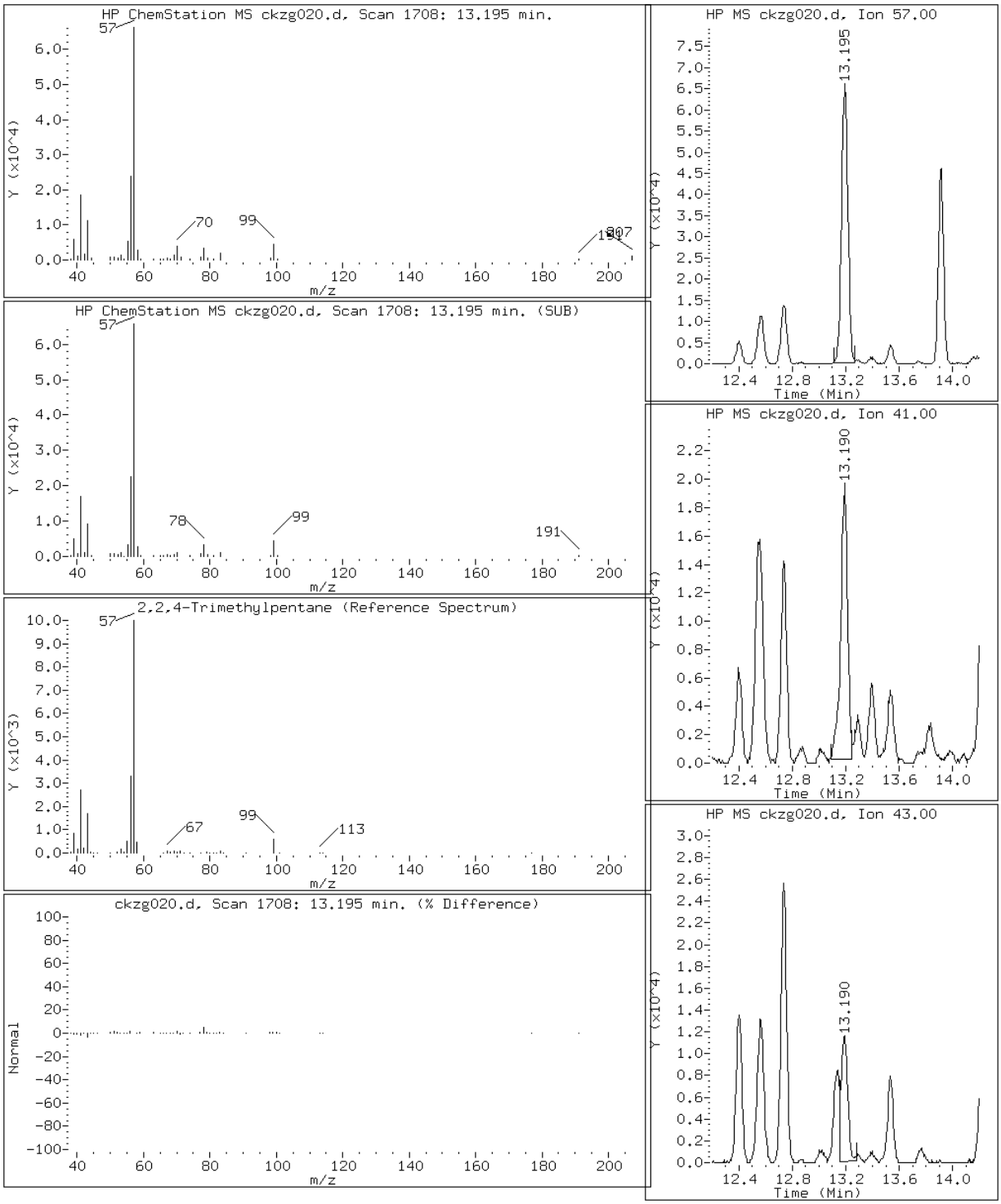
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

43 2,2,4-Trimethylpentane



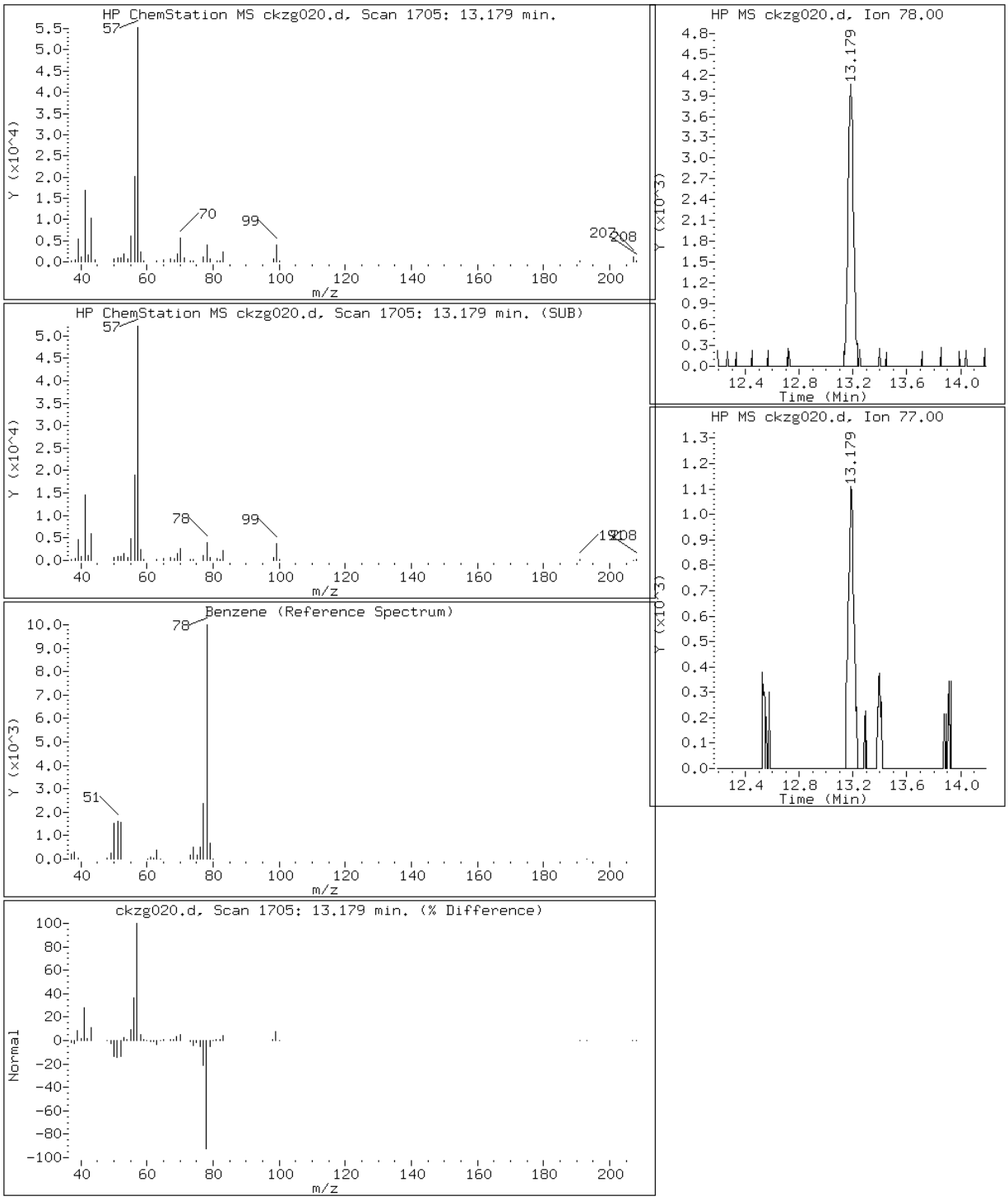
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

44 Benzene



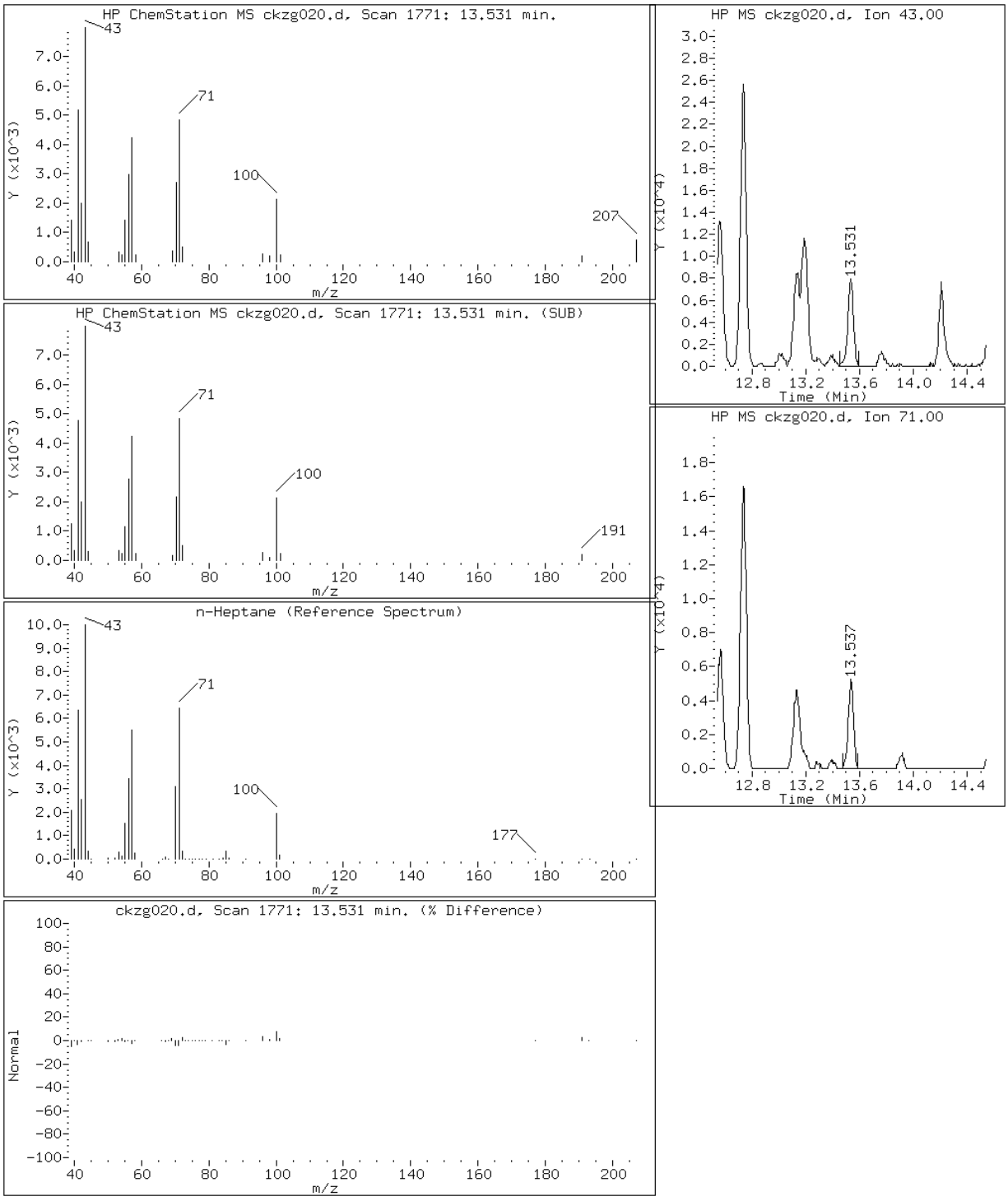
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

46 n-Heptane



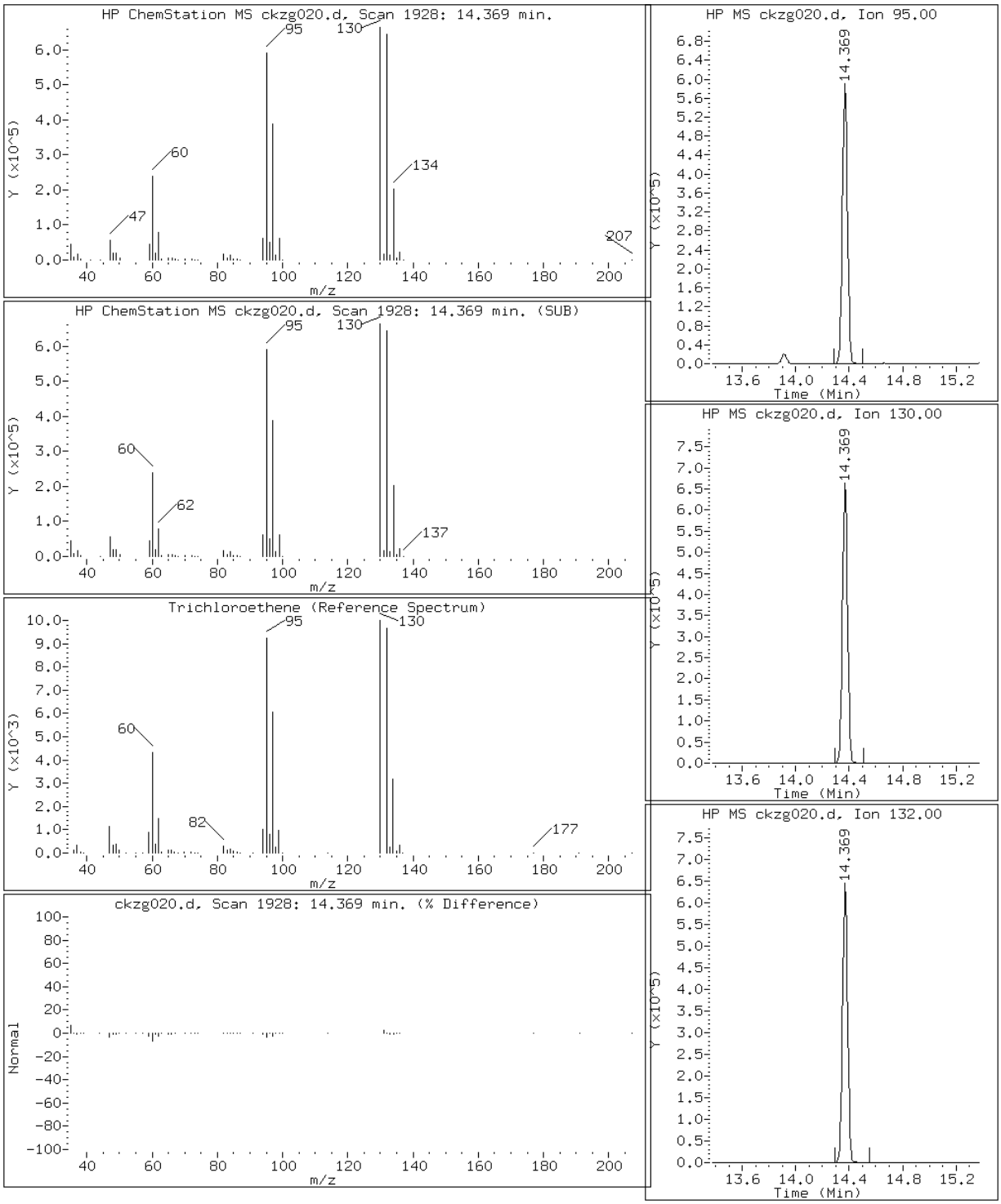
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

49 Trichloroethene



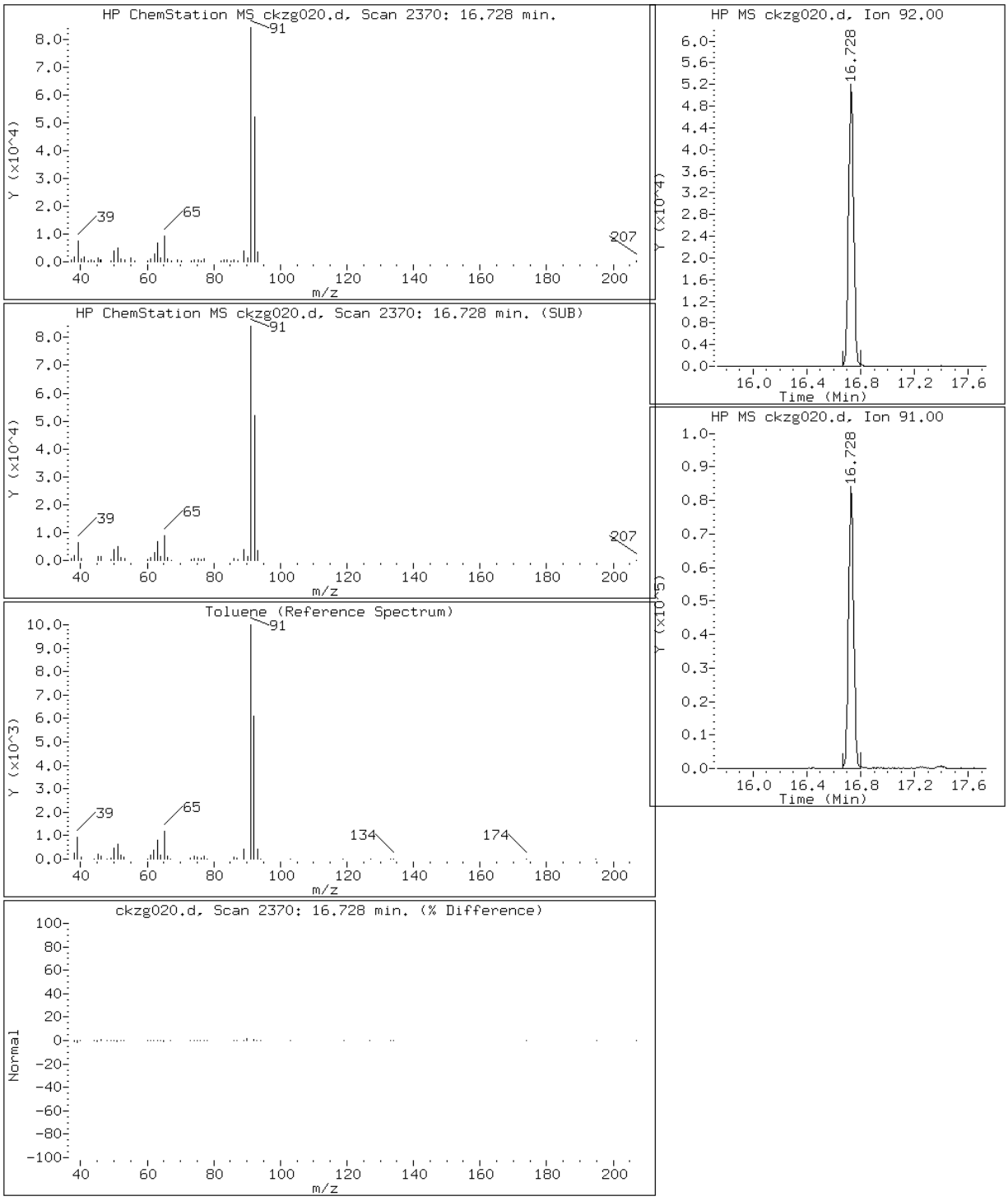
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

58 Toluene



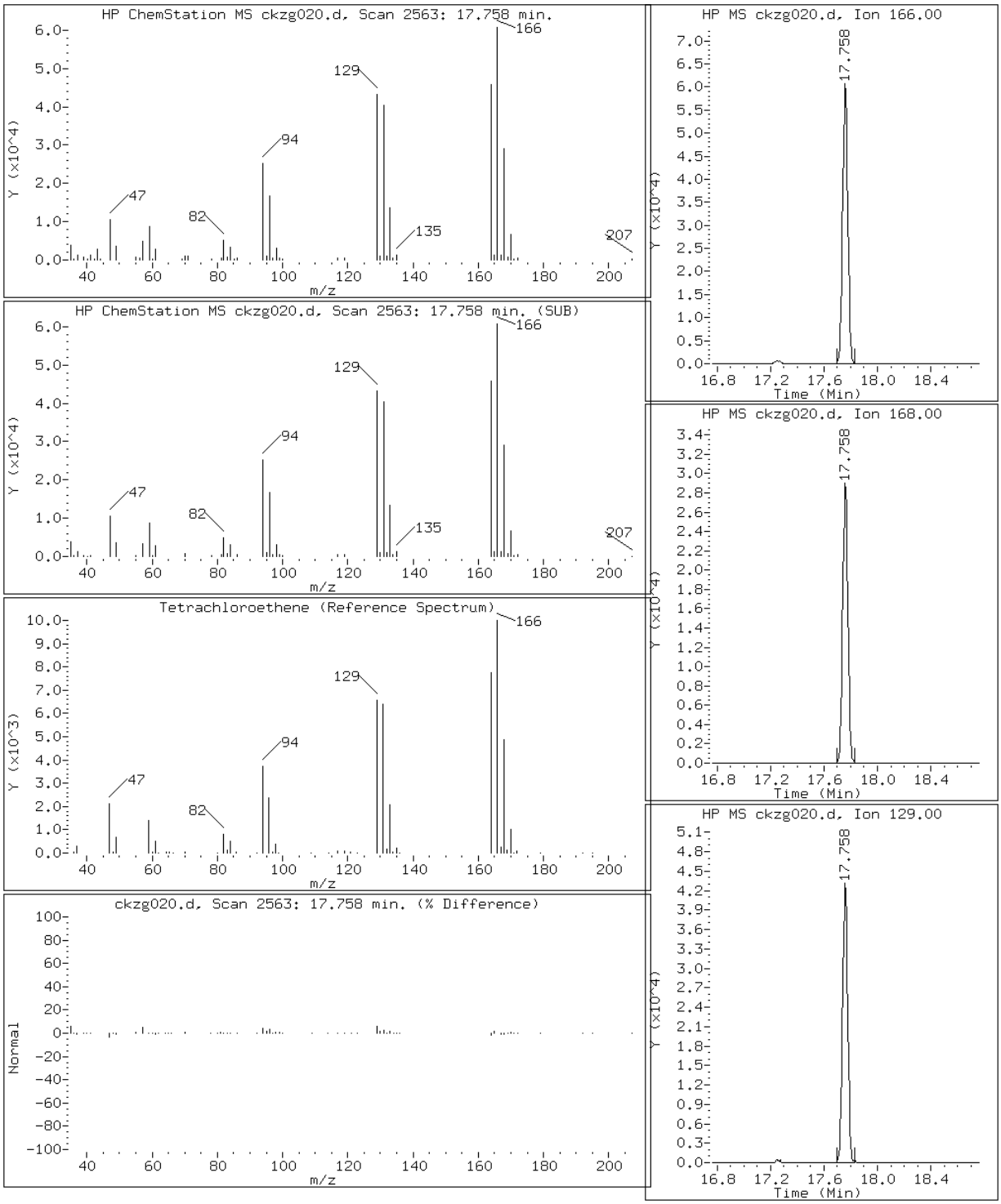
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

61 Tetrachloroethene



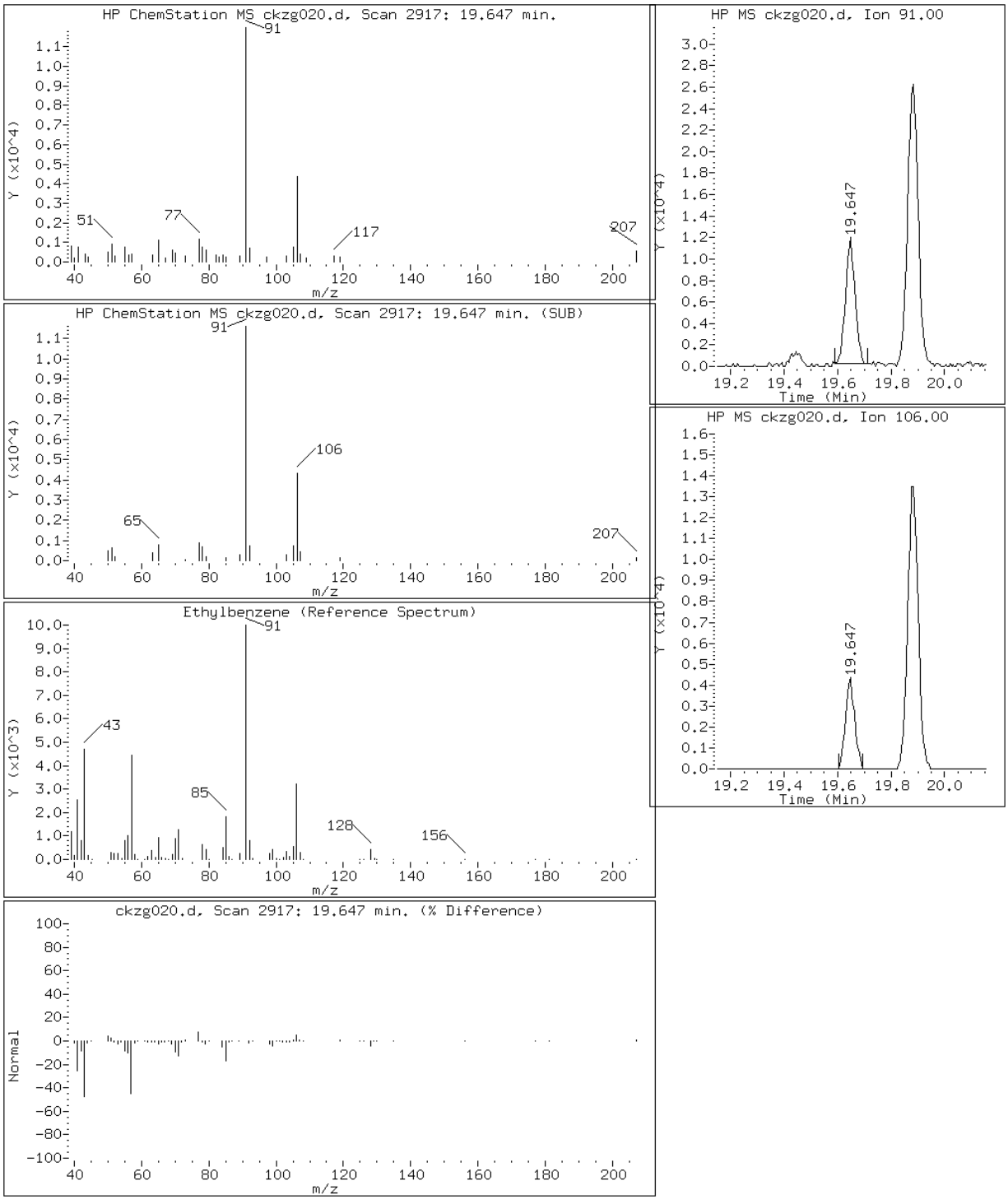
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

68 Ethylbenzene



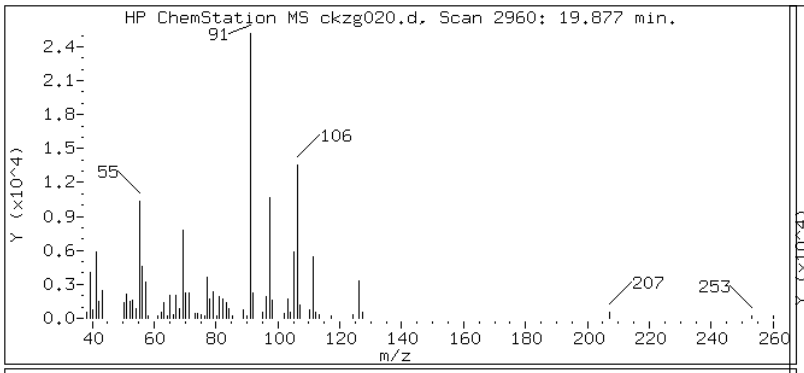
Data File: ckzg020.d

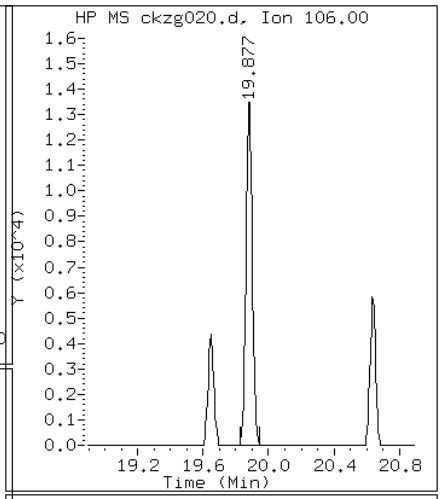
Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

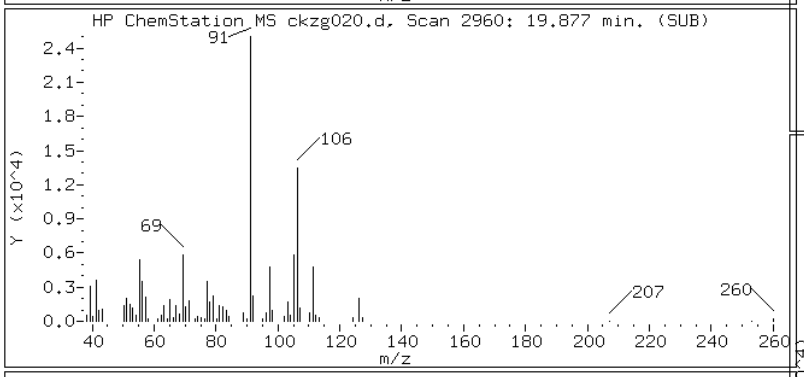
Client ID: 785786CA01AG Instrument: C.i

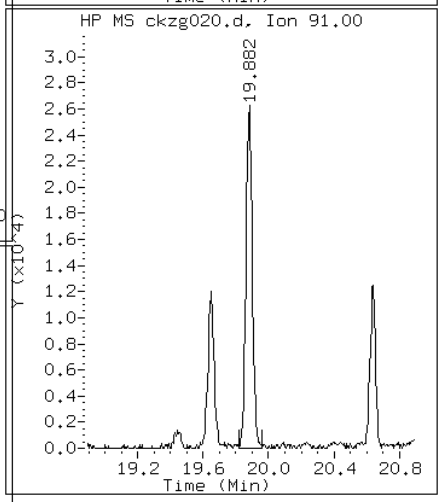
Sample Info: 280-32071-A-14 Operator: pad

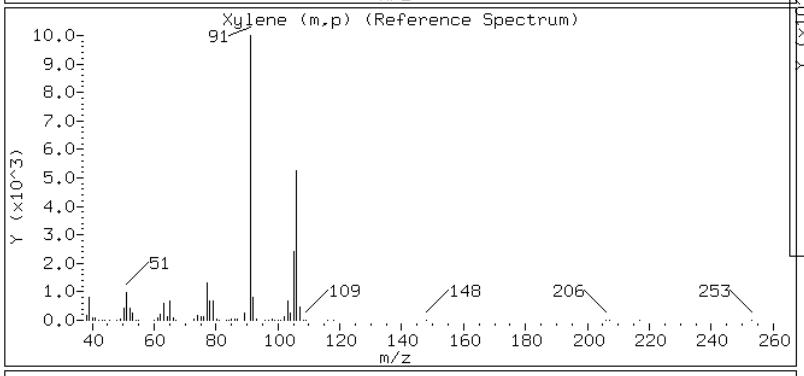
69 Xylene (m,p)

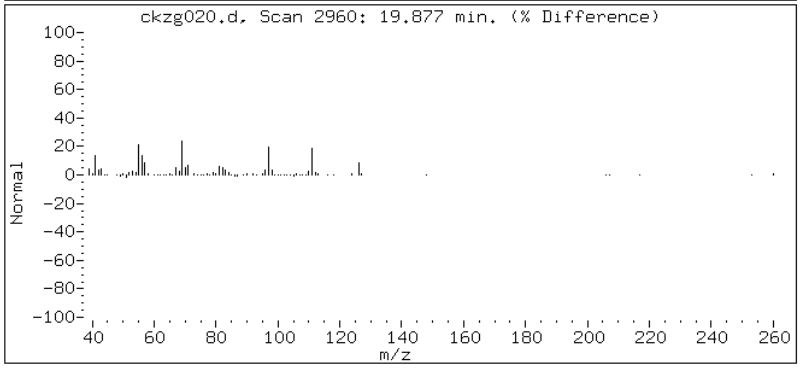












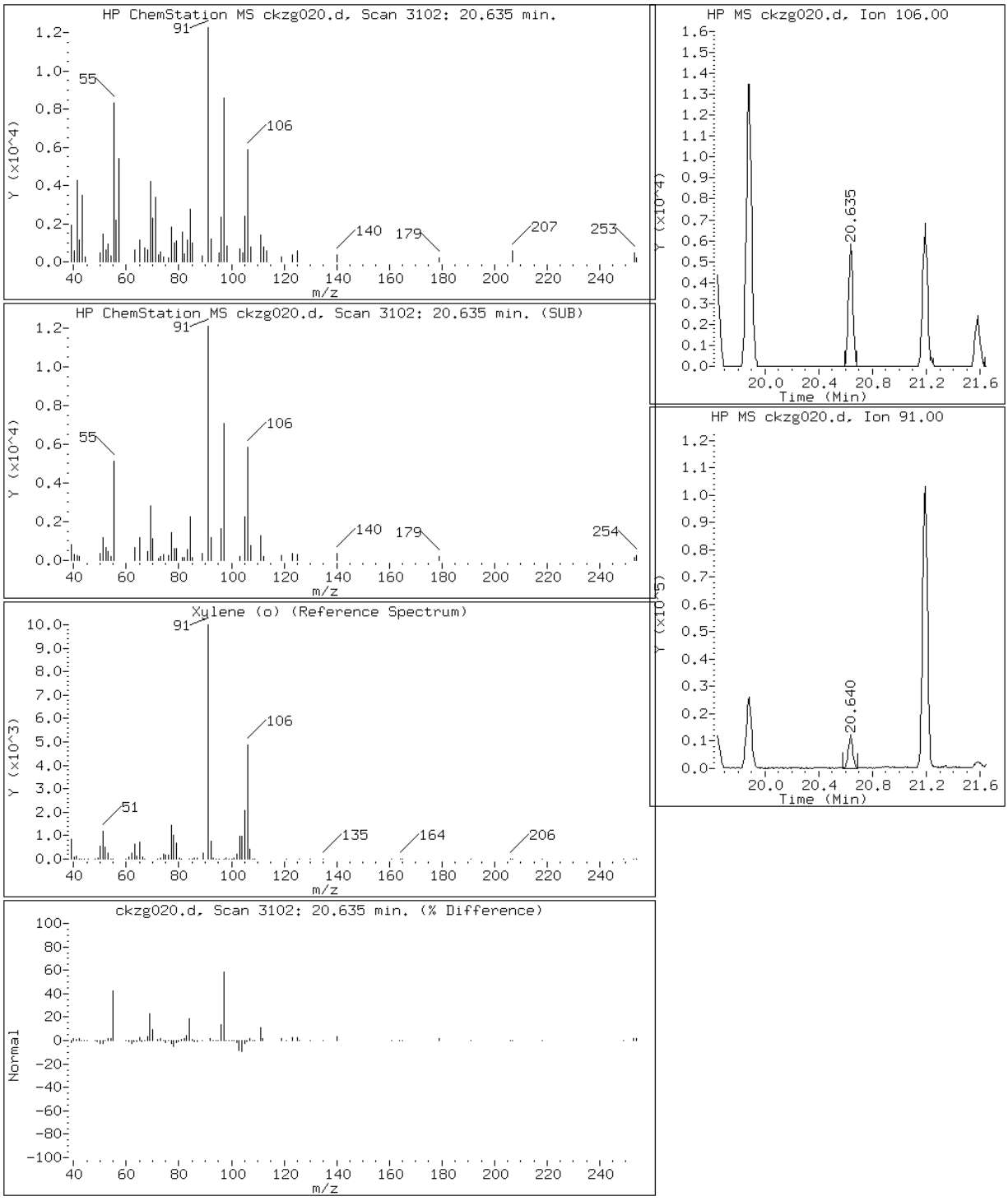
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

71 Xylene (o)



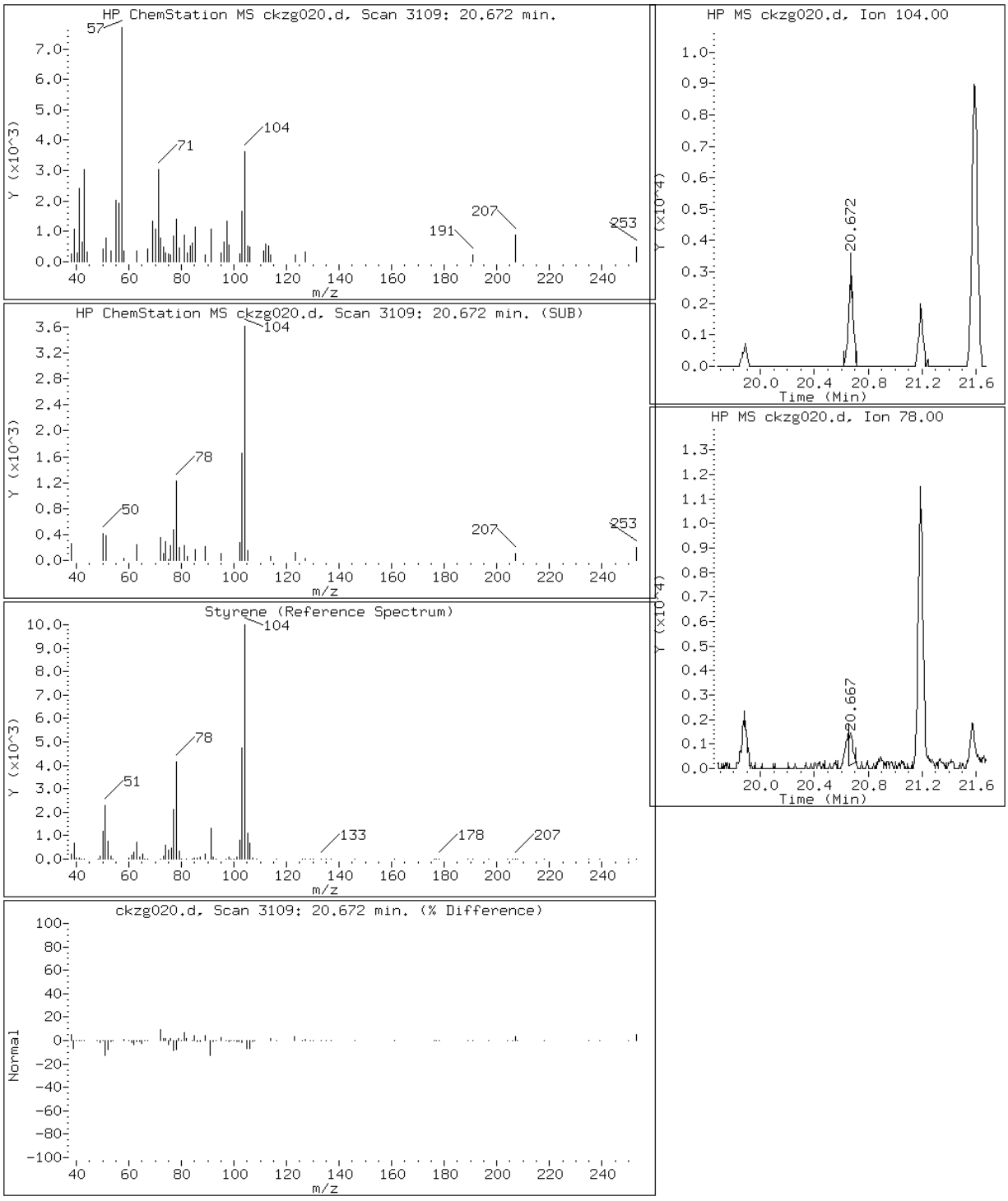
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

72 Styrene



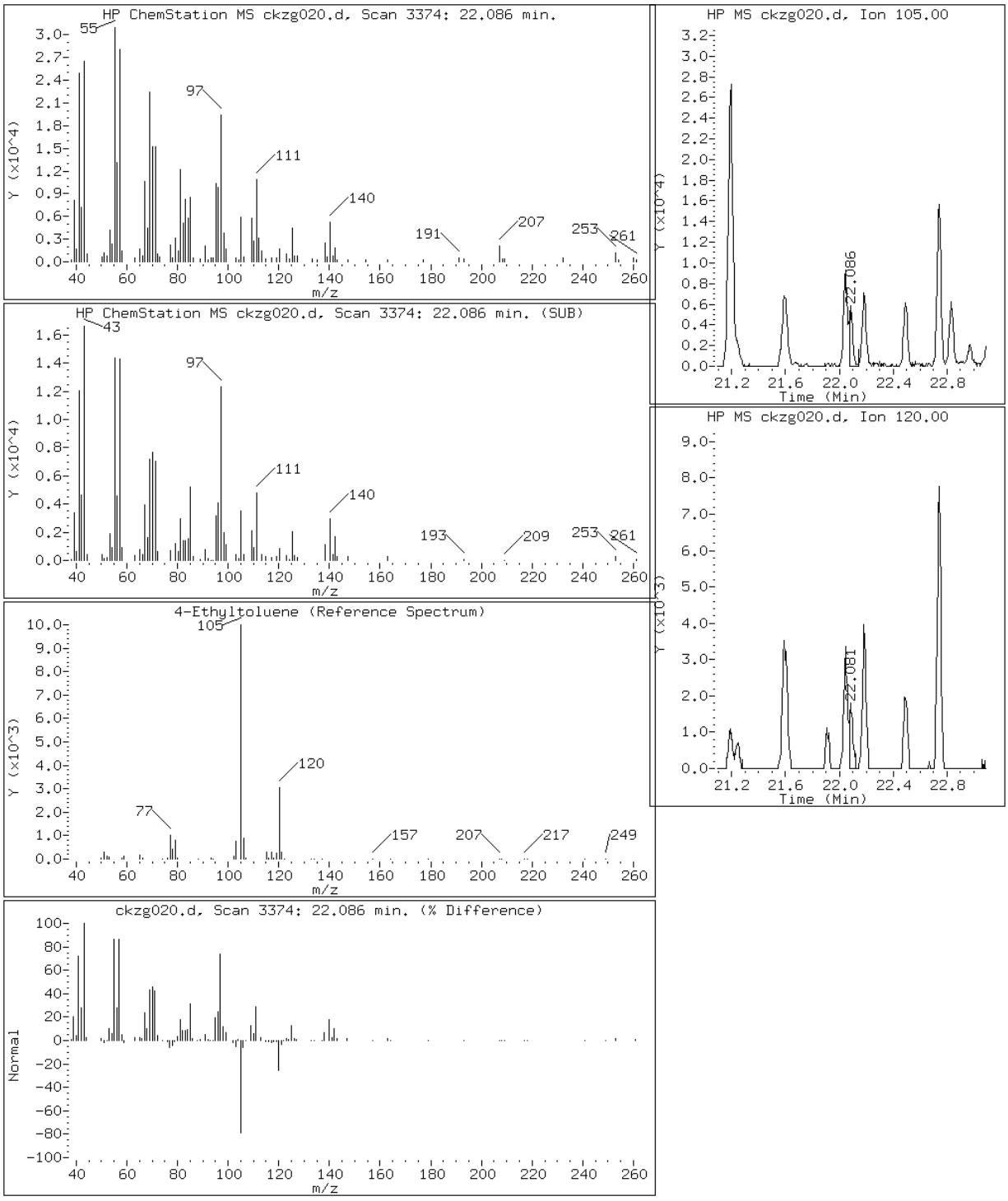
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

79 4-Ethyltoluene



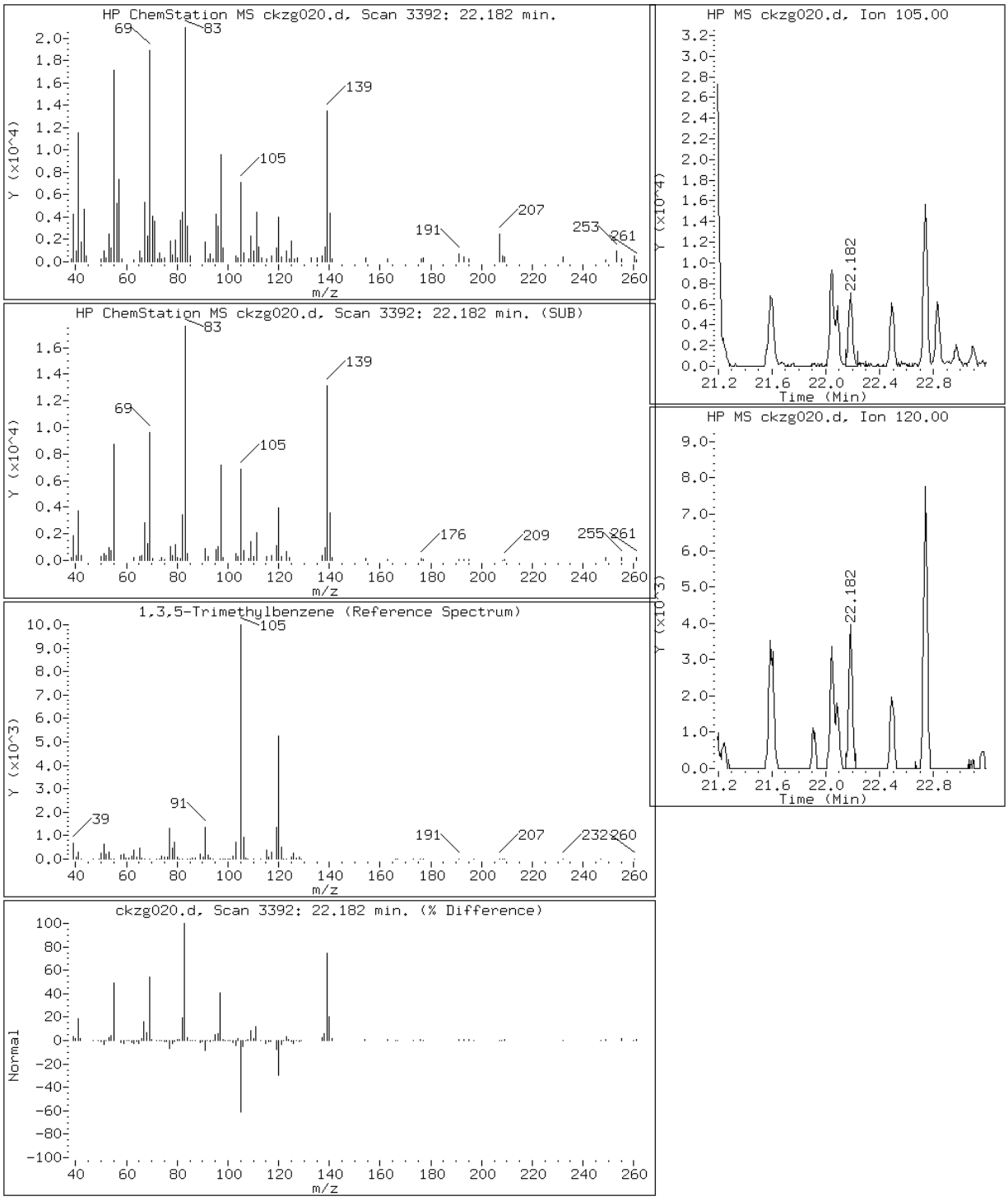
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

81 1,3,5-Trimethylbenzene



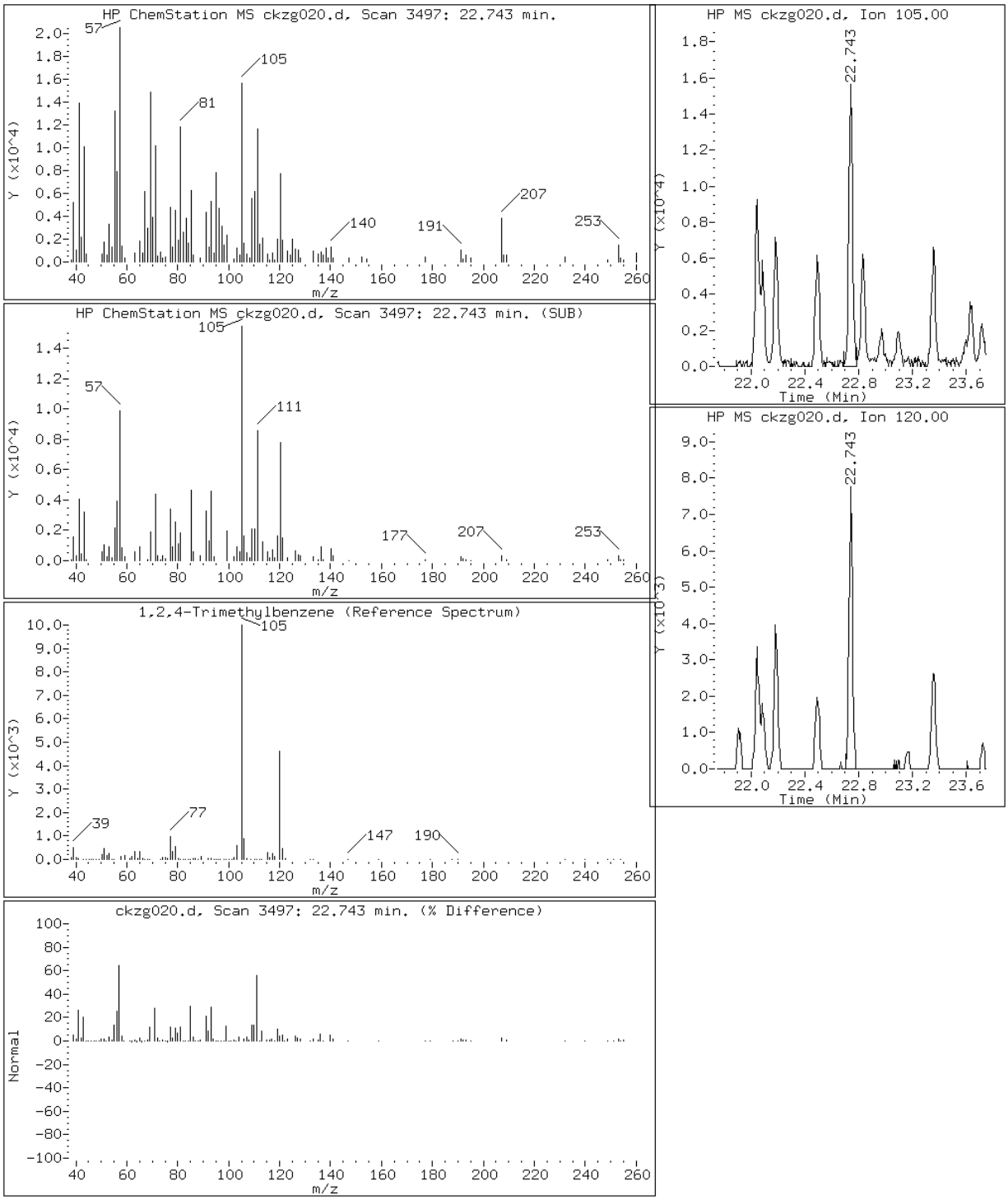
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

84 1,2,4-Trimethylbenzene



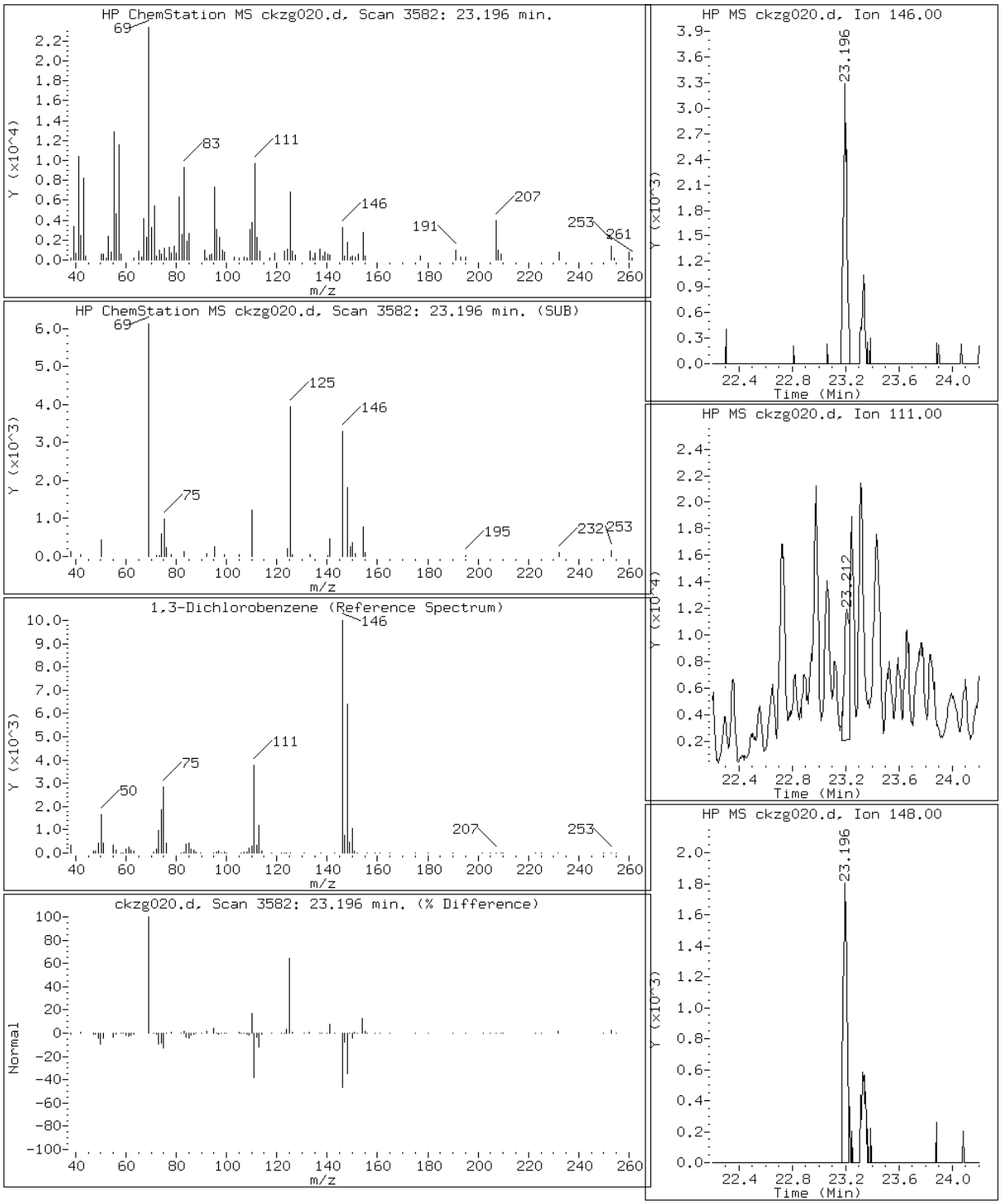
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

87 1,3-Dichlorobenzene



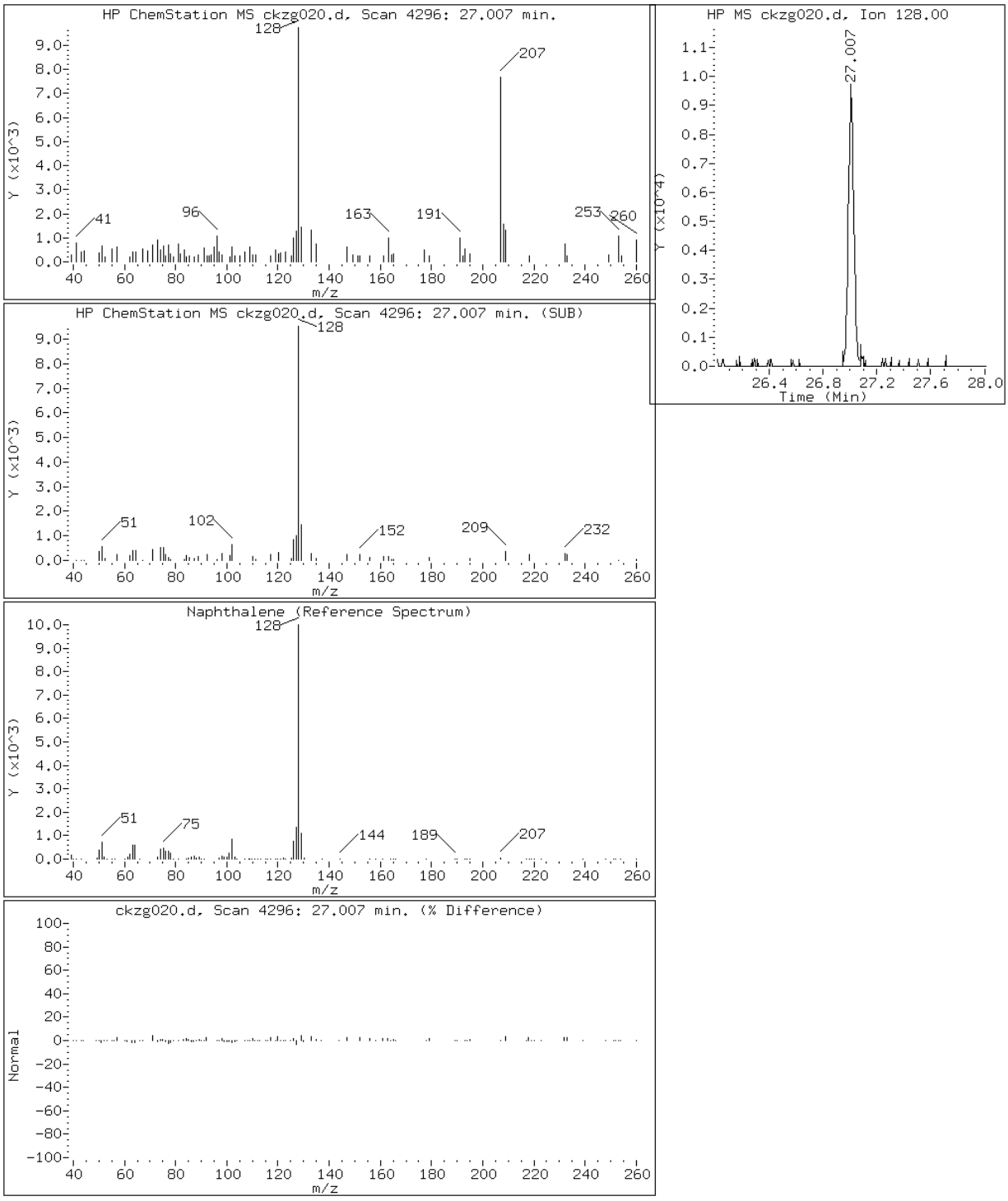
Data File: ckzg020.d

Lab Sample ID: 280-32071-14 Date: 23-AUG-2012 04:39

Client ID: 785786CA01AG Instrument: C.i

Sample Info: 280-32071-A-14 Operator: pad

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785IA08 Lab Sample ID: 280-32071-15

Matrix: Air Lab File ID: ckzg021.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 05:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J	0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.54		0.50	0.034
106-97-8	n-Butane	58.12	1.1		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.22		0.20	0.021
76-13-1	Freon TF	187.38	0.076	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	6.9		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	0.34	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.15	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.21		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.78		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.080	U	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.044	J	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.070	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.11	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785IA08 Lab Sample ID: 280-32071-15

Matrix: Air Lab File ID: ckzg021.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 05:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.17	J	0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.093	J	0.50	0.034
108-88-3	Toluene	92.14	0.34		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.050	J	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.15	J	0.50	0.022
95-47-6	Xylene, o-	106.17	0.051	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20		0.20	0.016
100-42-5	Styrene	104.15	0.040	U	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.075	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785IA08 Lab Sample ID: 280-32071-15

Matrix: Air Lab File ID: ckzg021.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 05:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785IA08 Lab Sample ID: 280-32071-15

Matrix: Air Lab File ID: ckzg021.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 05:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.1		1.0	0.070
106-97-8	n-Butane	58.12	2.5		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.12
76-13-1	Freon TF	187.38	0.58	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	16		12	0.95
67-63-0	Isopropyl alcohol	60.10	0.84	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.51	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.75		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.24	U	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.15	J	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.44	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.36	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785IA08 Lab Sample ID: 280-32071-15

Matrix: Air Lab File ID: ckzg021.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 05:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.70	J	0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.38	J	2.0	0.14
108-88-3	Toluene	92.14	1.3		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.22	J	0.87	0.065
179601-23-1	m,p-Xylene	106.17	0.65	J	2.2	0.096
95-47-6	Xylene, o-	106.17	0.22	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.88		0.87	0.069
100-42-5	Styrene	104.15	0.17	U	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.37	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785IA08 Lab Sample ID: 280-32071-15

Matrix: Air Lab File ID: ckzg021.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 05:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-15
Client Smp ID: 785IA08
Inj Date : 23-AUG-2012 05:32
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-15
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.355)	46283	0.46494	0.46(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.806	4.811	(0.397)	15117	0.54456	0.54
6 Butane	43	5.072	5.078	(0.420)	52067	1.06041	1.1
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.850	6.860	(0.567)	23464	0.22350	0.22
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.665)	5589	0.07614	0.076(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.264	8.269	(0.684)	275122	6.89169	6.9
21 Carbon disulfide	76	Compound Not Detected.					

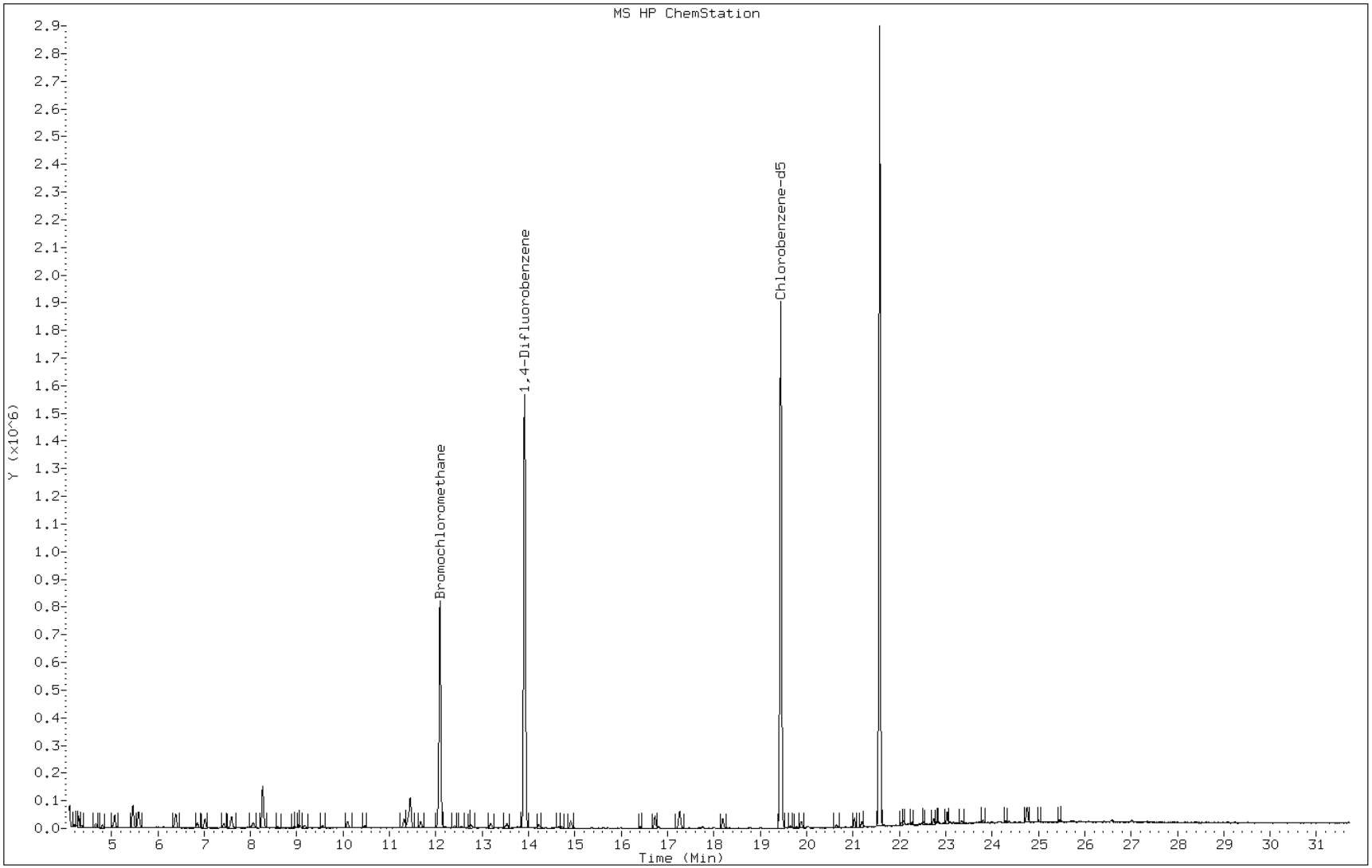
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
22	Isopropanol	45	8.584	8.573	(0.710)	9632	0.34341	0.34(a)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	9.166	9.177	(0.758)	4969	0.14591	0.15(aQ)
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	10.100	10.105	(0.835)	11609	0.21158	0.21
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	11.674	11.674	(0.966)	11851	0.78129	0.78(Q)
* 37	Bromochloromethane	128	12.090	12.096	(1.000)	362551	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	12.539	12.544	(0.901)	2508	0.04388	0.044(aQ)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	12.774	12.784	(0.918)	6897	0.07023	0.070(a)
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	13.184	13.190	(0.947)	13537	0.11217	0.11(a)
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	13.537	13.542	(0.973)	10998	0.17122	0.17(a)
* 47	1,4-Difluorobenzene	114	13.916	13.921	(1.000)	2037639	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	16.413	16.408	(1.179)	5324	0.09344	0.093(a)
58	Toluene	92	16.728	16.734	(0.861)	31211	0.34429	0.34
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.439	19.450	(1.000)	1890940	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	19.653	19.653	(1.011)	9512	0.04988	0.050(a)
69	Xylene (m,p)	106	19.882	19.893	(1.023)	11939	0.15029	0.15(a)
M 70	Xylenes, Total	106				15896	0.20174	0.20
71	Xylene (o)	106	20.640	20.646	(1.062)	3957	0.05145	0.051(aQ)
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.738	22.748	(1.170)	13474	0.07498	0.075(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzg021.d	Date:	23-AUG-2012 05:32
Client ID:	785IA08	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-15		
Lab Sample ID:	280-32071-15		



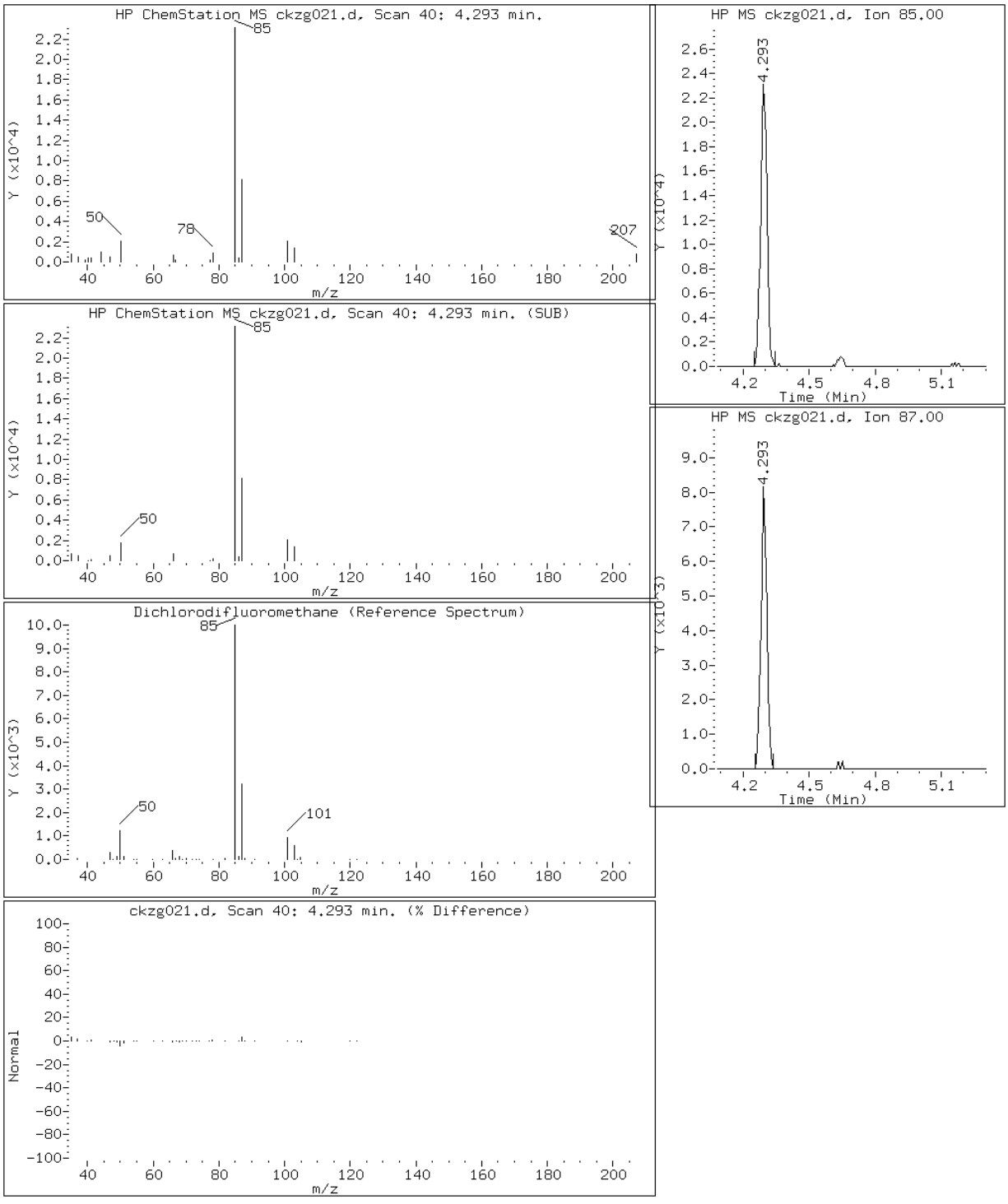
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

2 Dichlorodifluoromethane



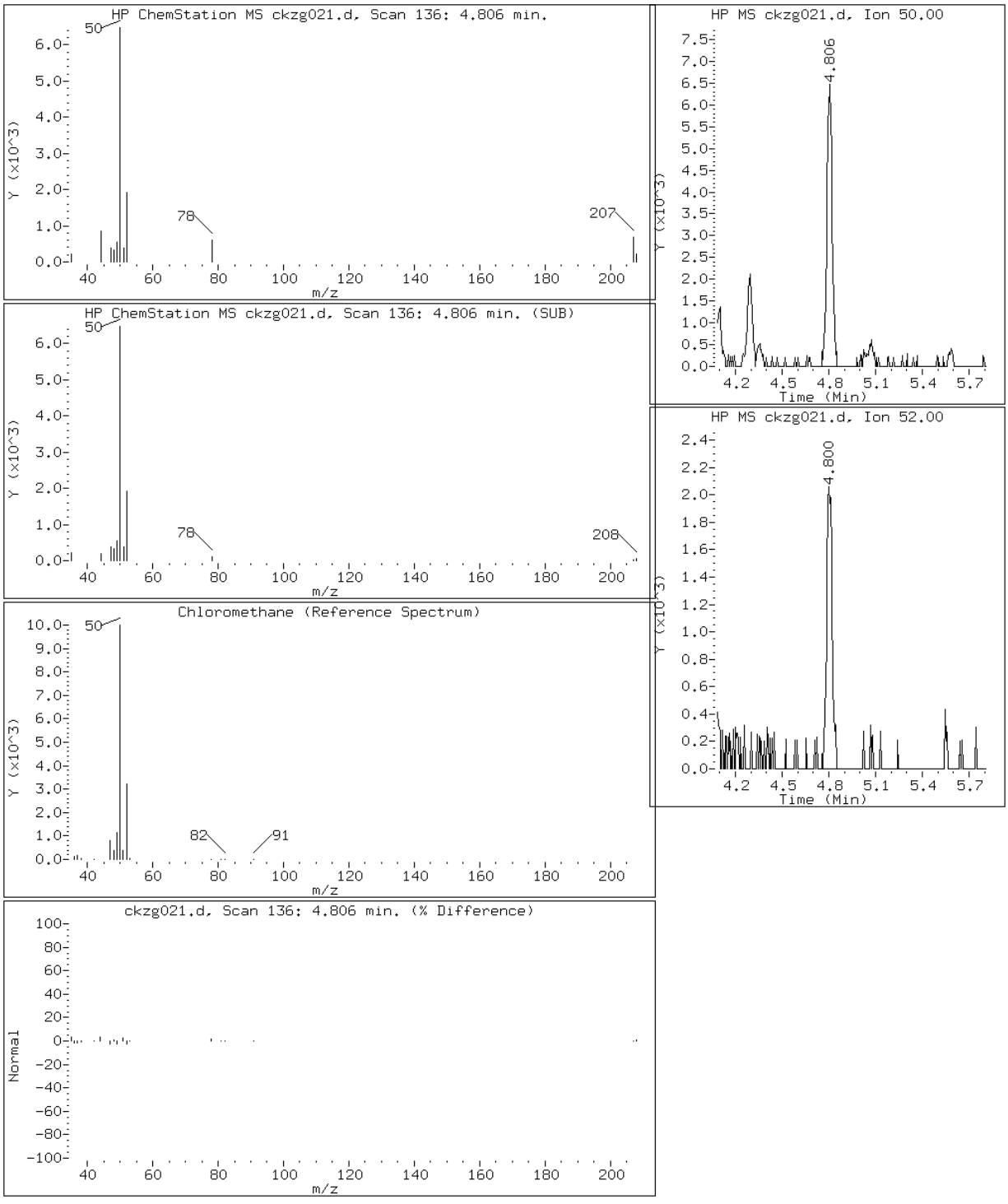
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

5 Chloromethane



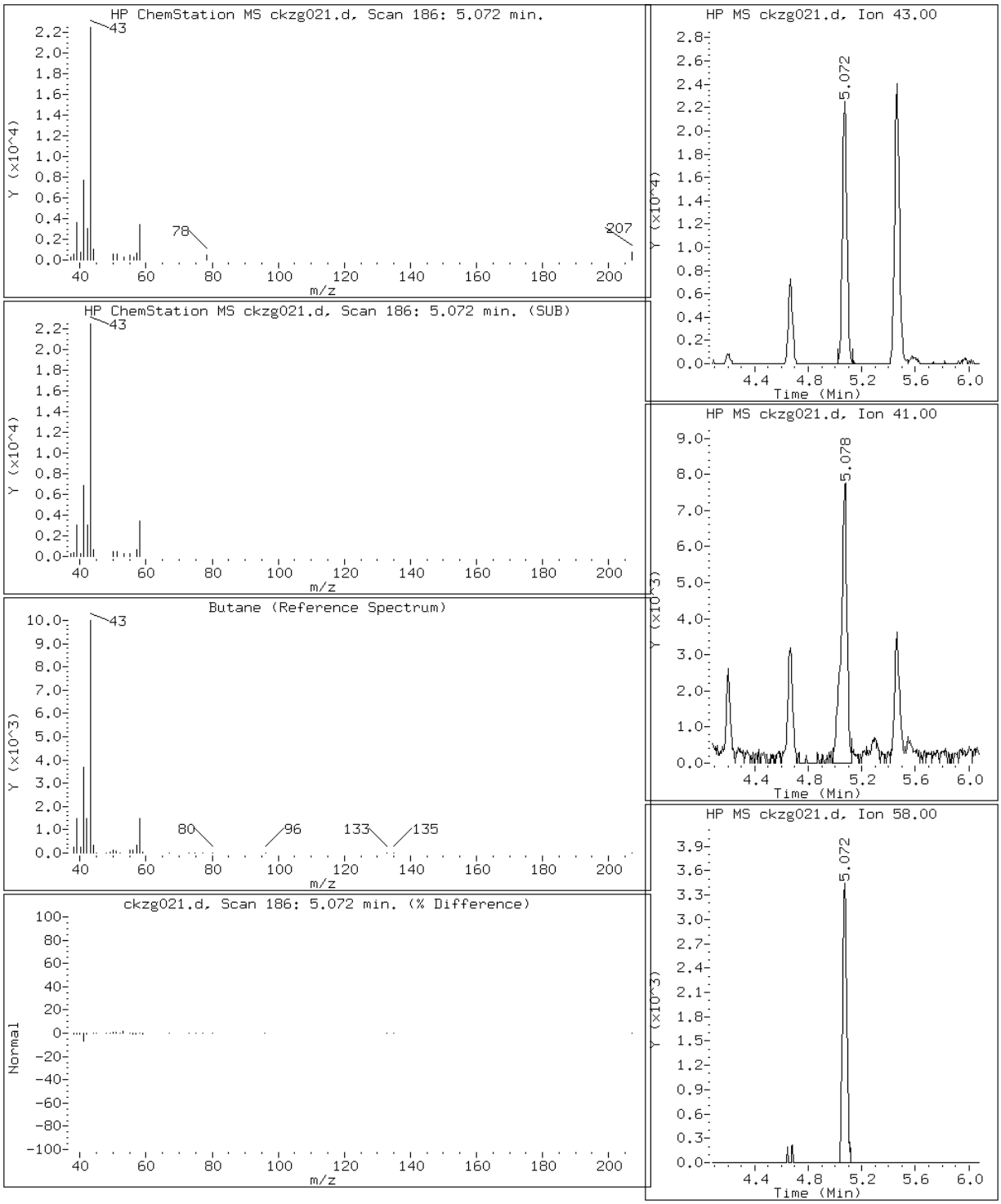
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

6 Butane



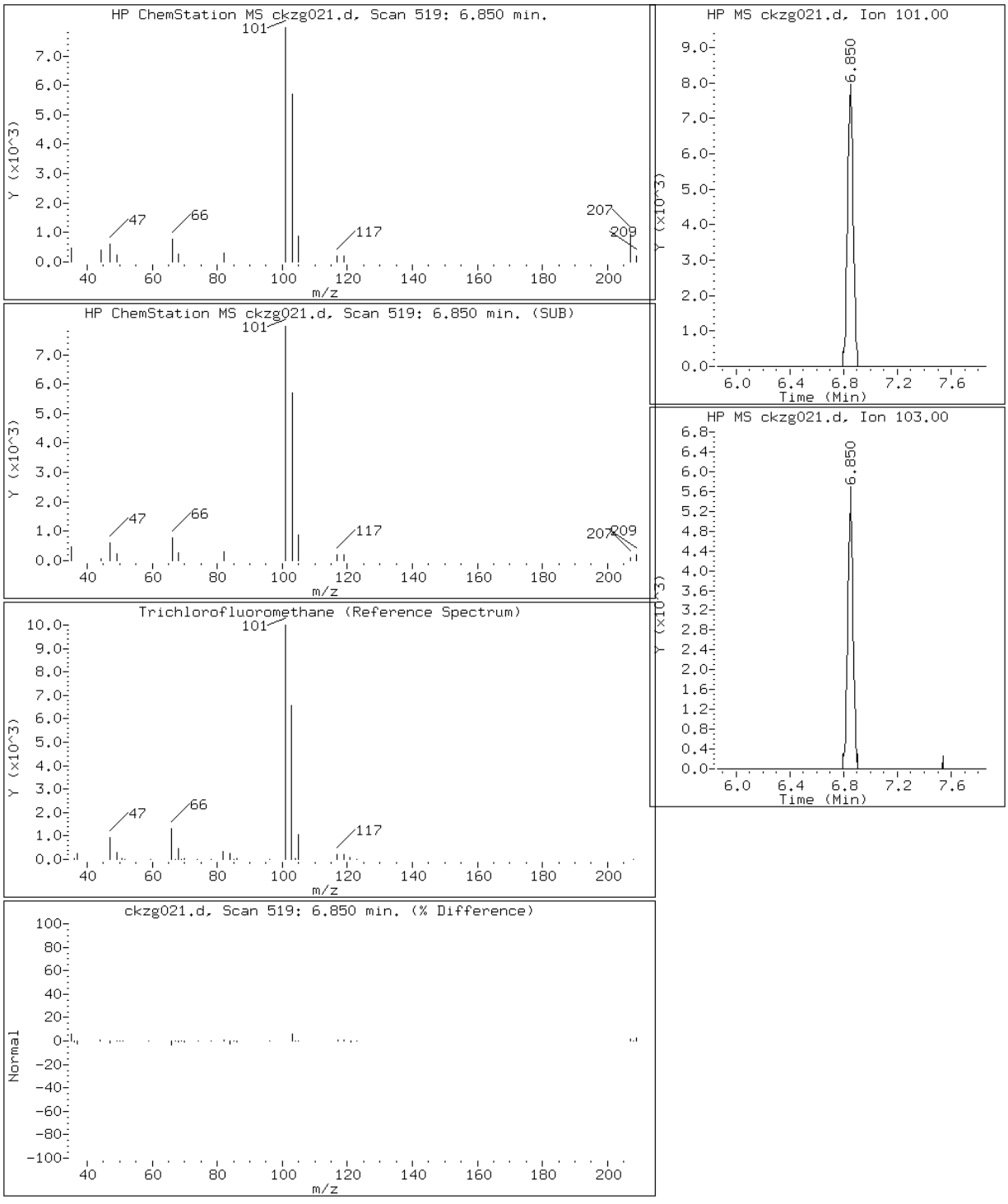
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

13 Trichlorofluoromethane



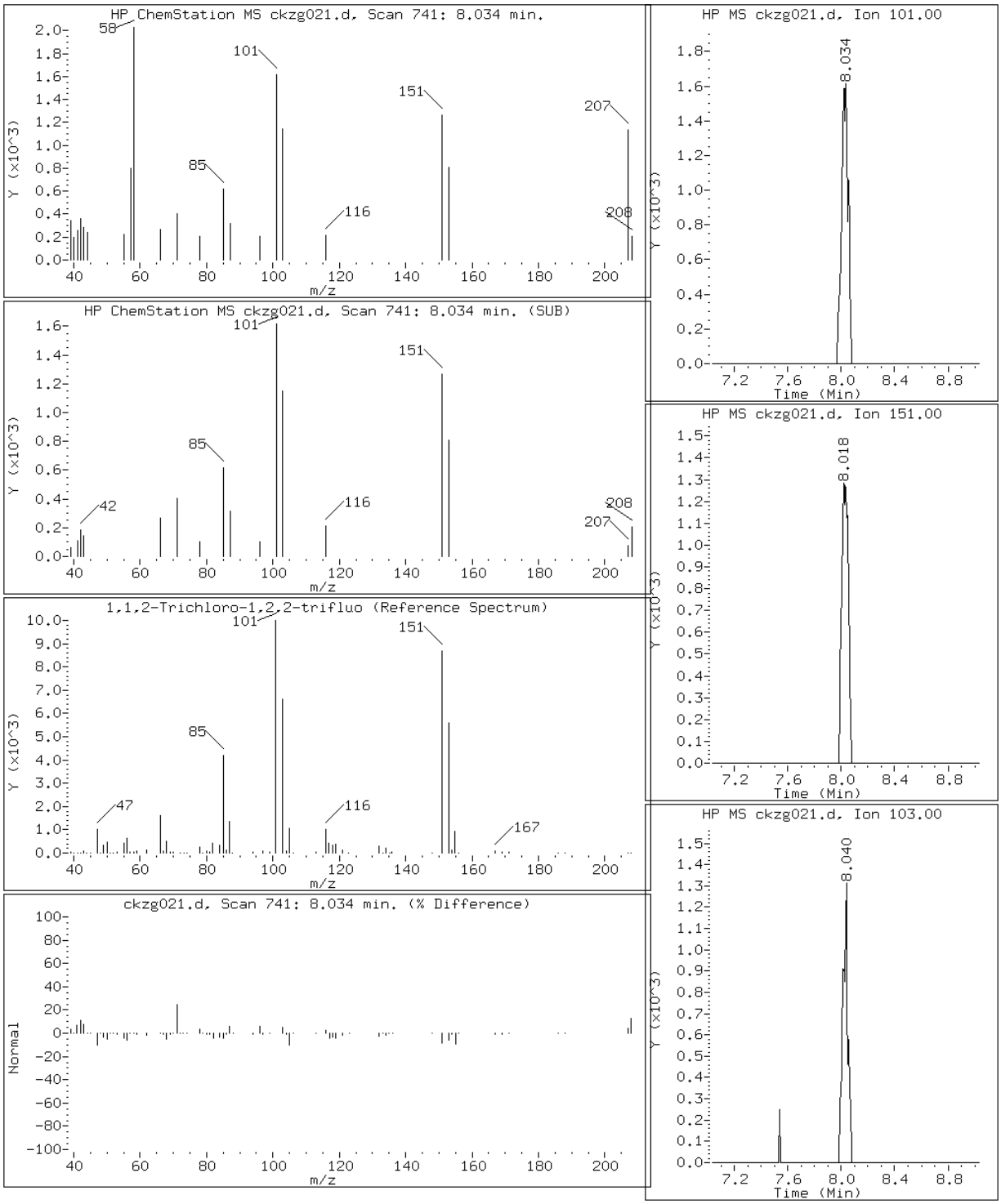
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



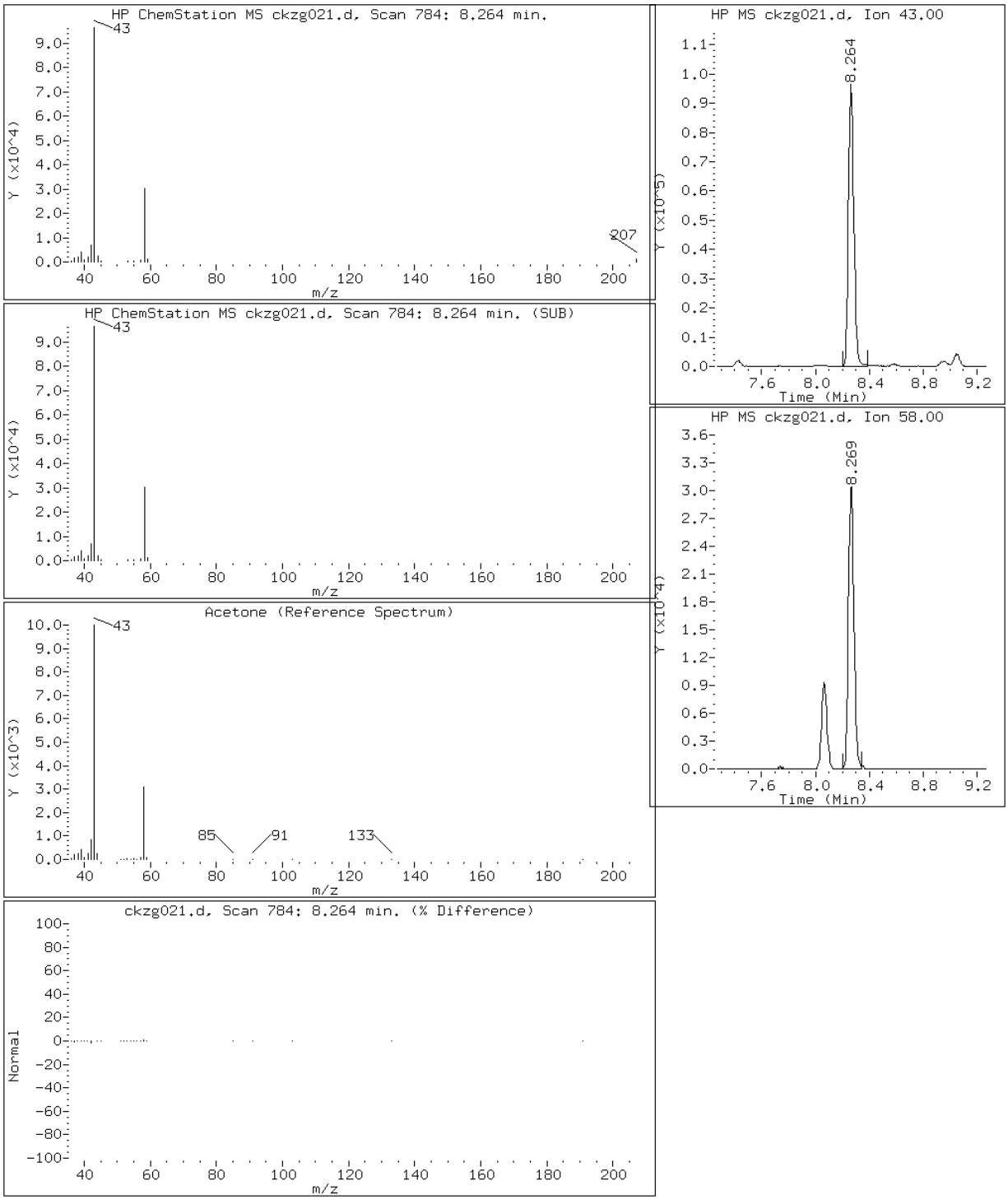
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

20 Acetone



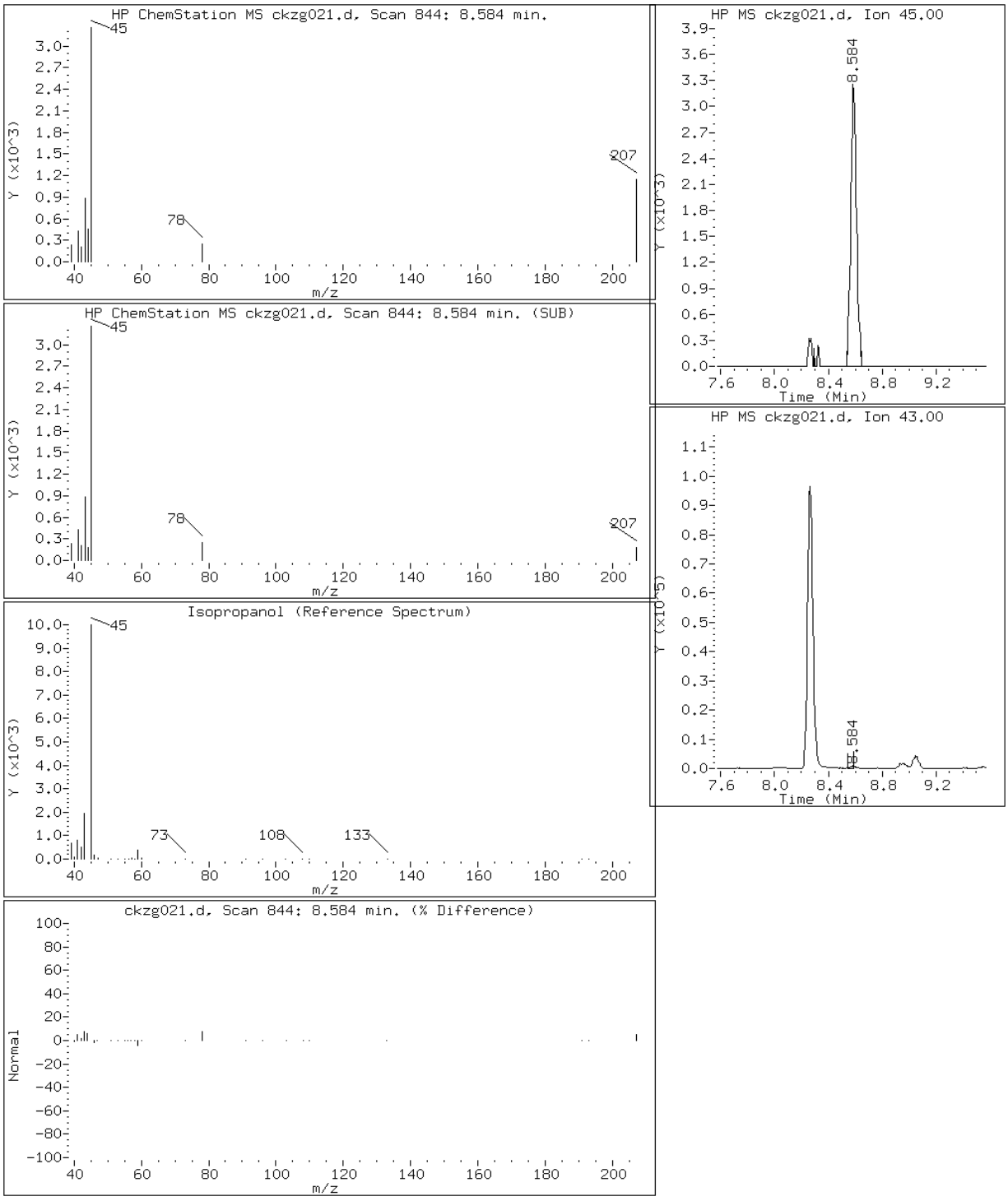
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

22 Isopropanol



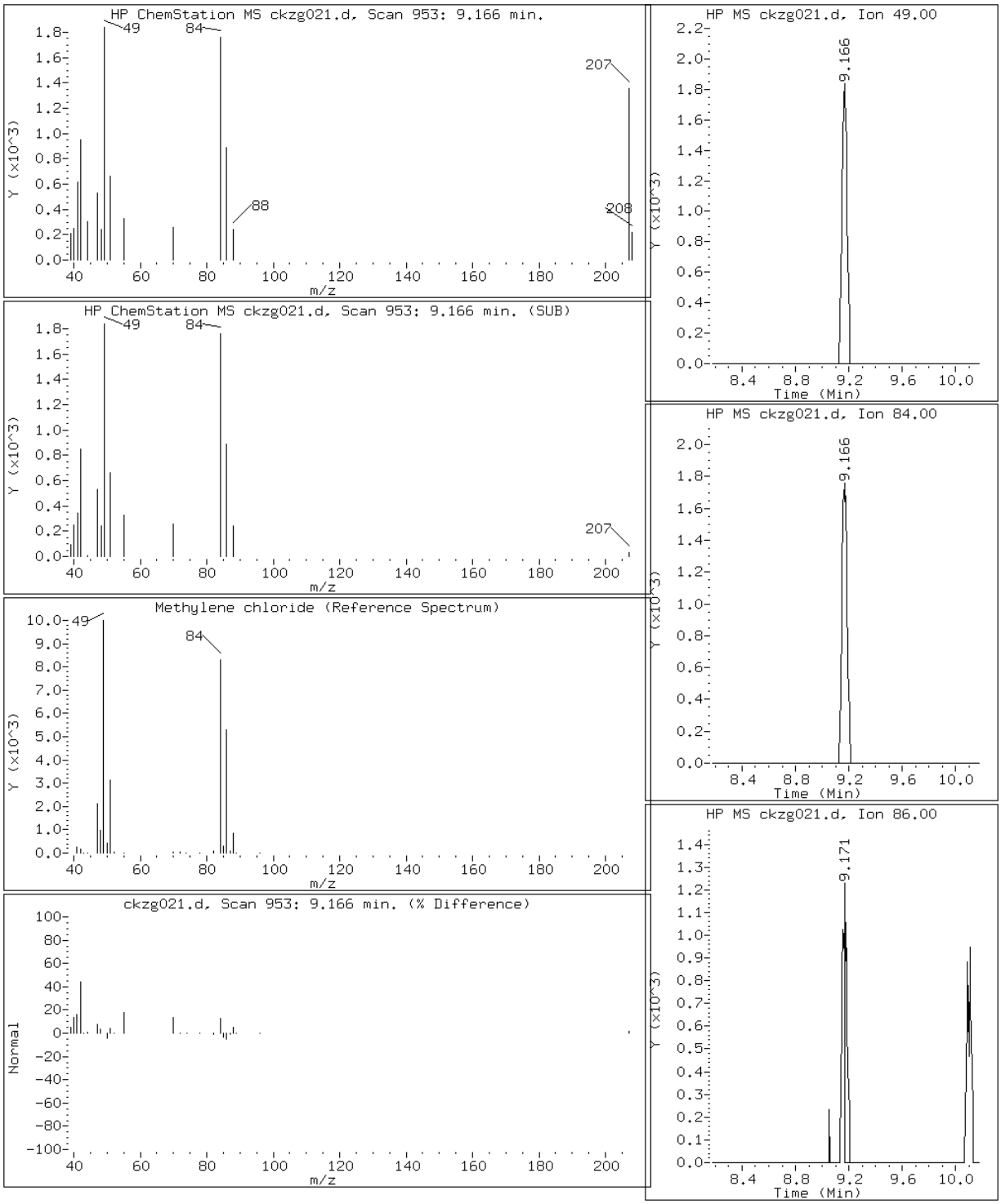
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

25 Methylene chloride



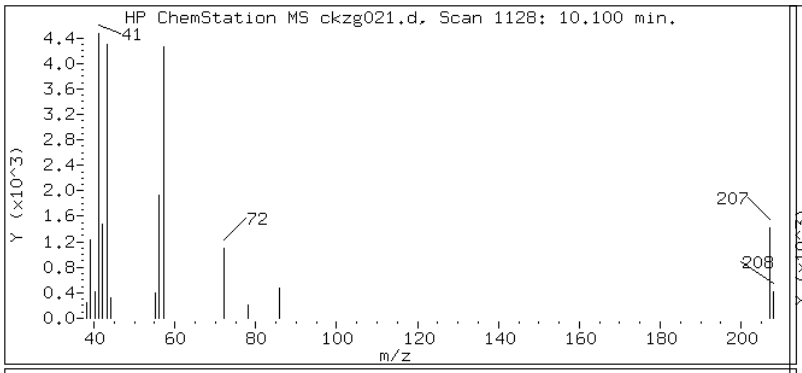
Data File: ckzg021.d

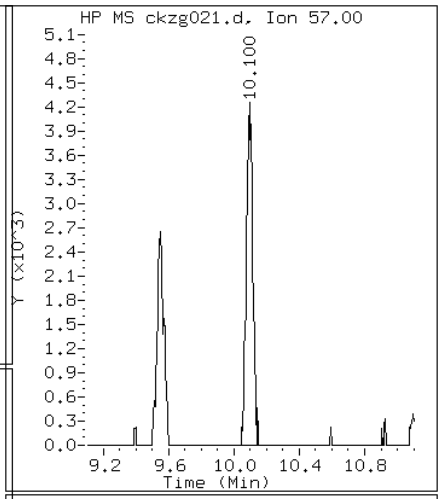
Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

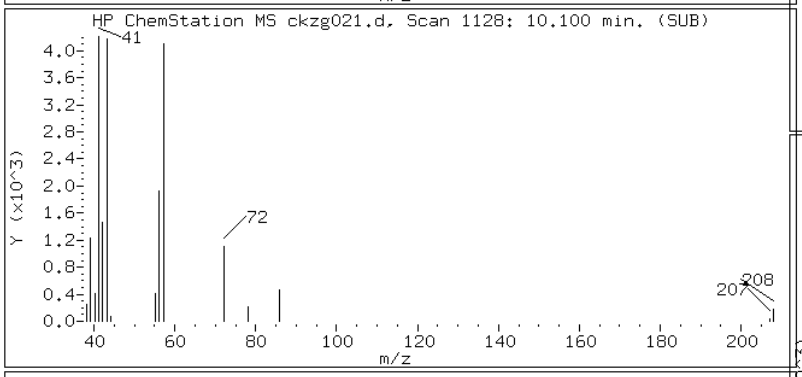
Client ID: 785IA08 Instrument: C.i

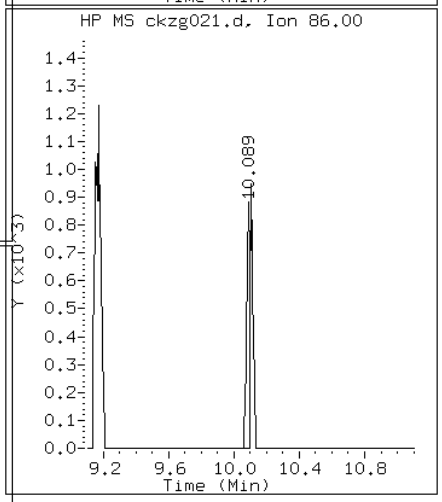
Sample Info: 280-32071-A-15 Operator: pad

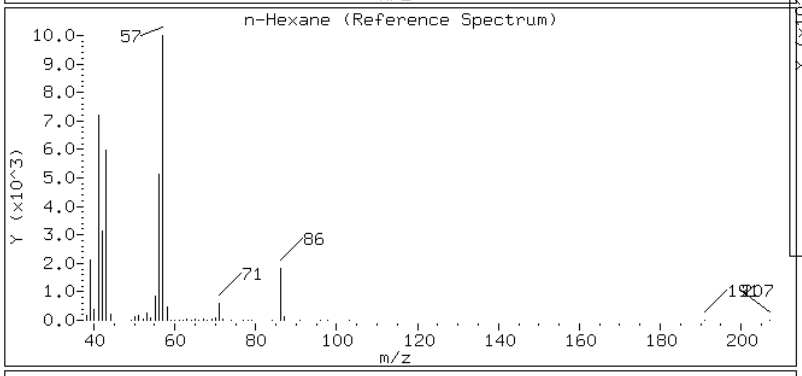
30 n-Hexane

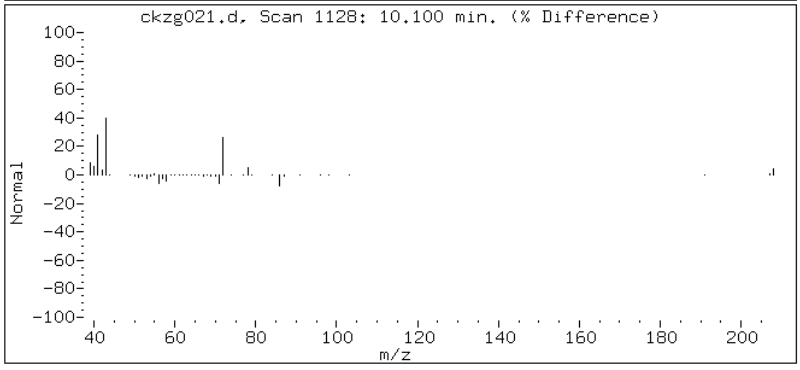












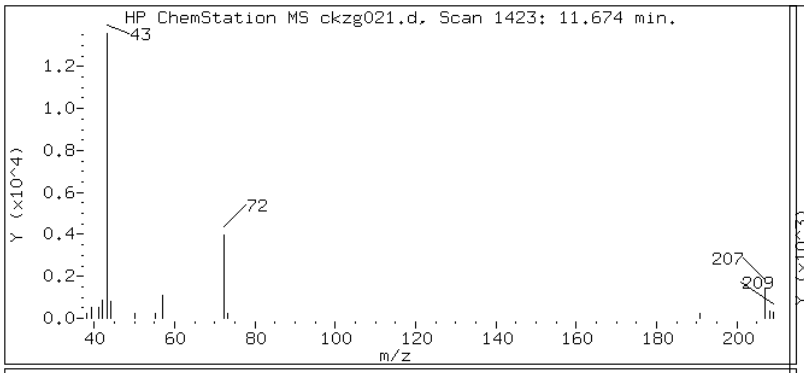
Data File: ckzg021.d

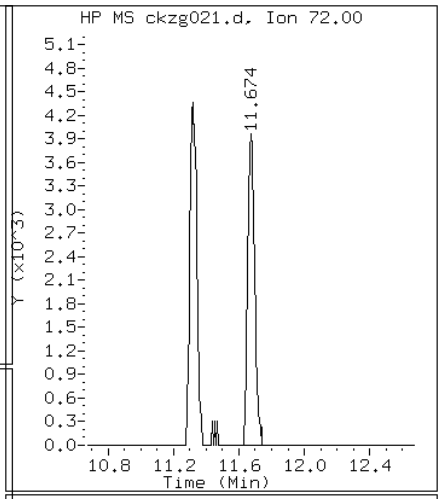
Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

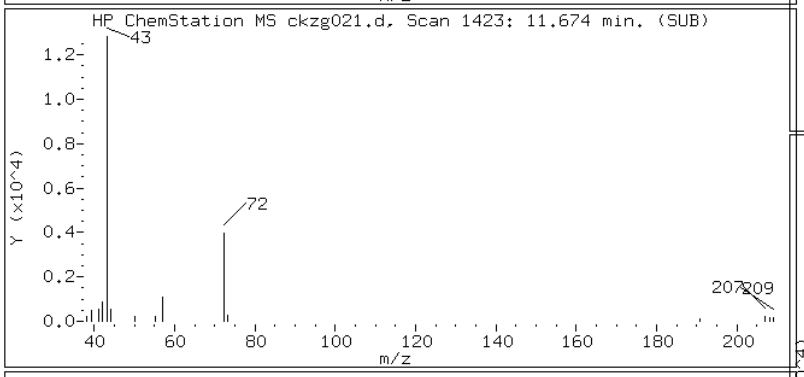
Client ID: 785IA08 Instrument: C.i

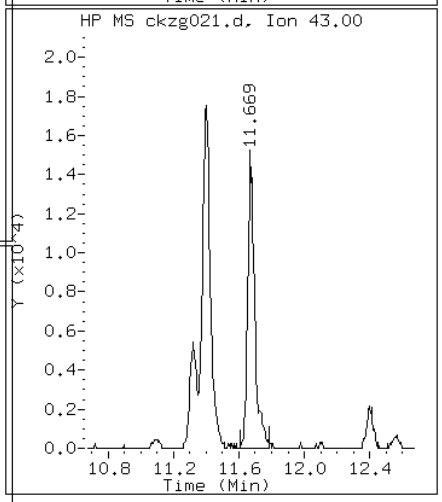
Sample Info: 280-32071-A-15 Operator: pad

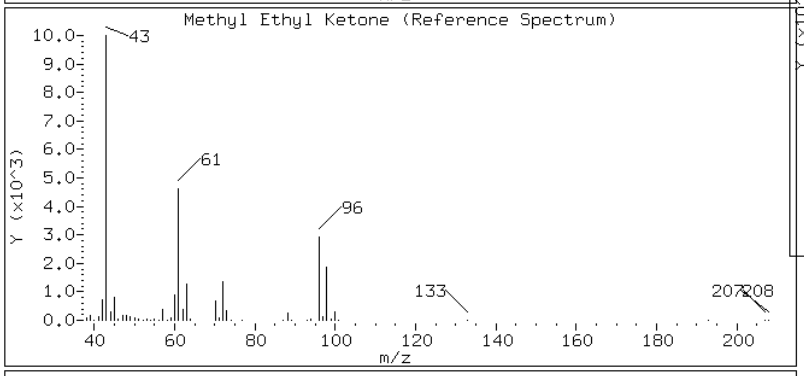
36 Methyl Ethyl Ketone

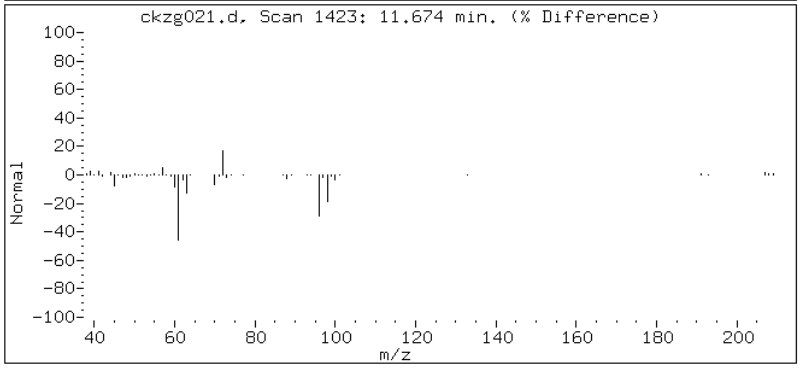












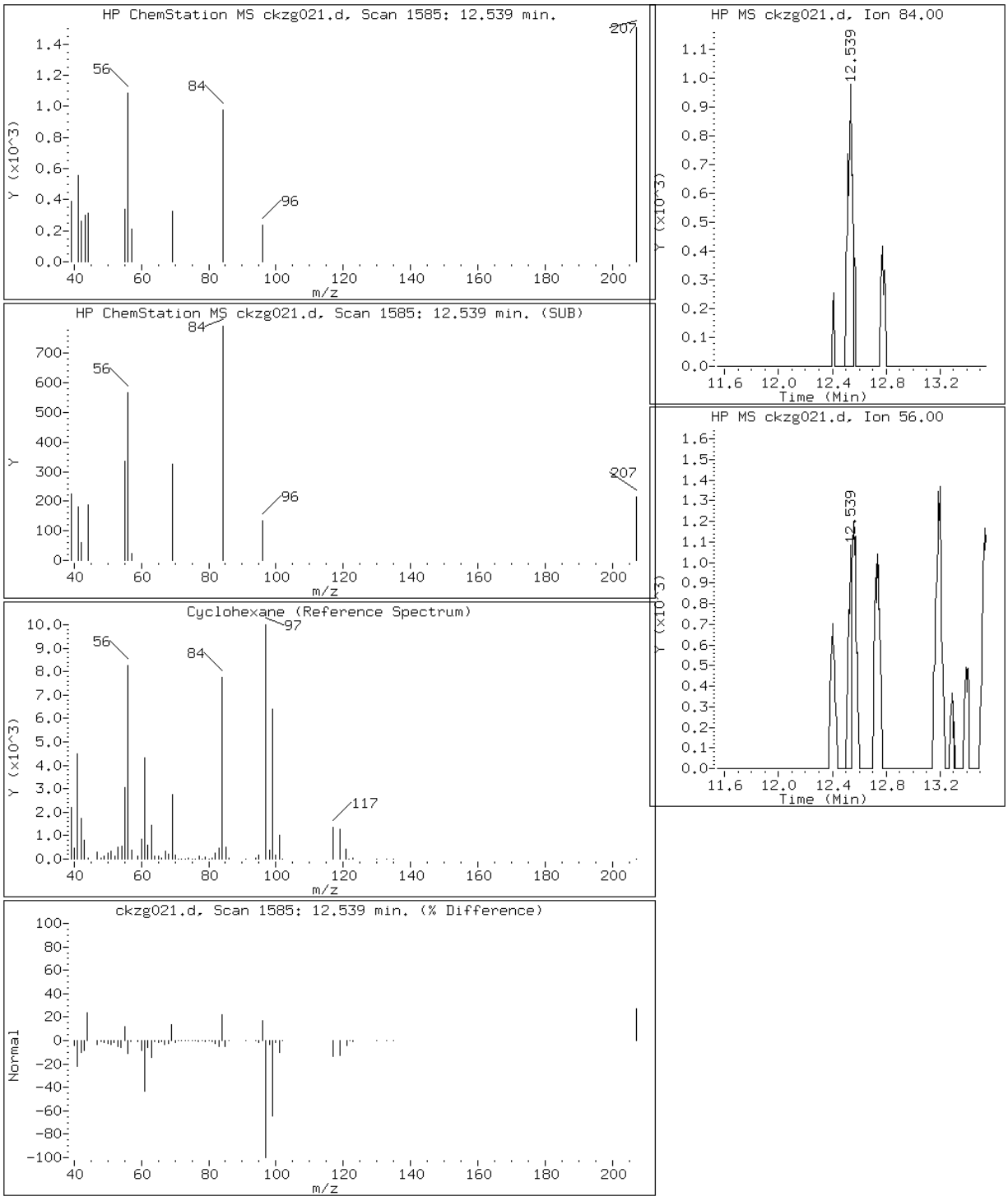
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

40 Cyclohexane



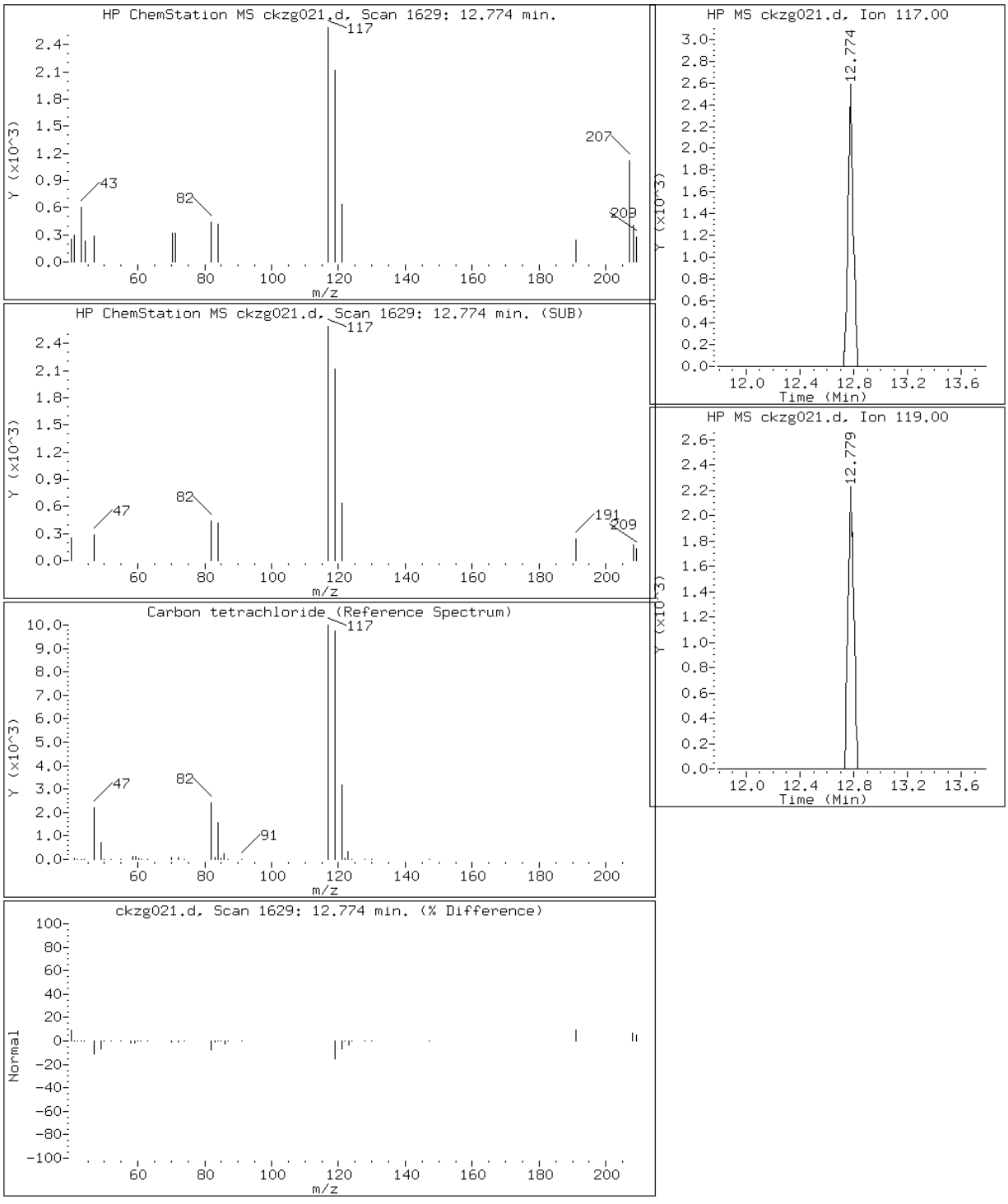
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

42 Carbon tetrachloride



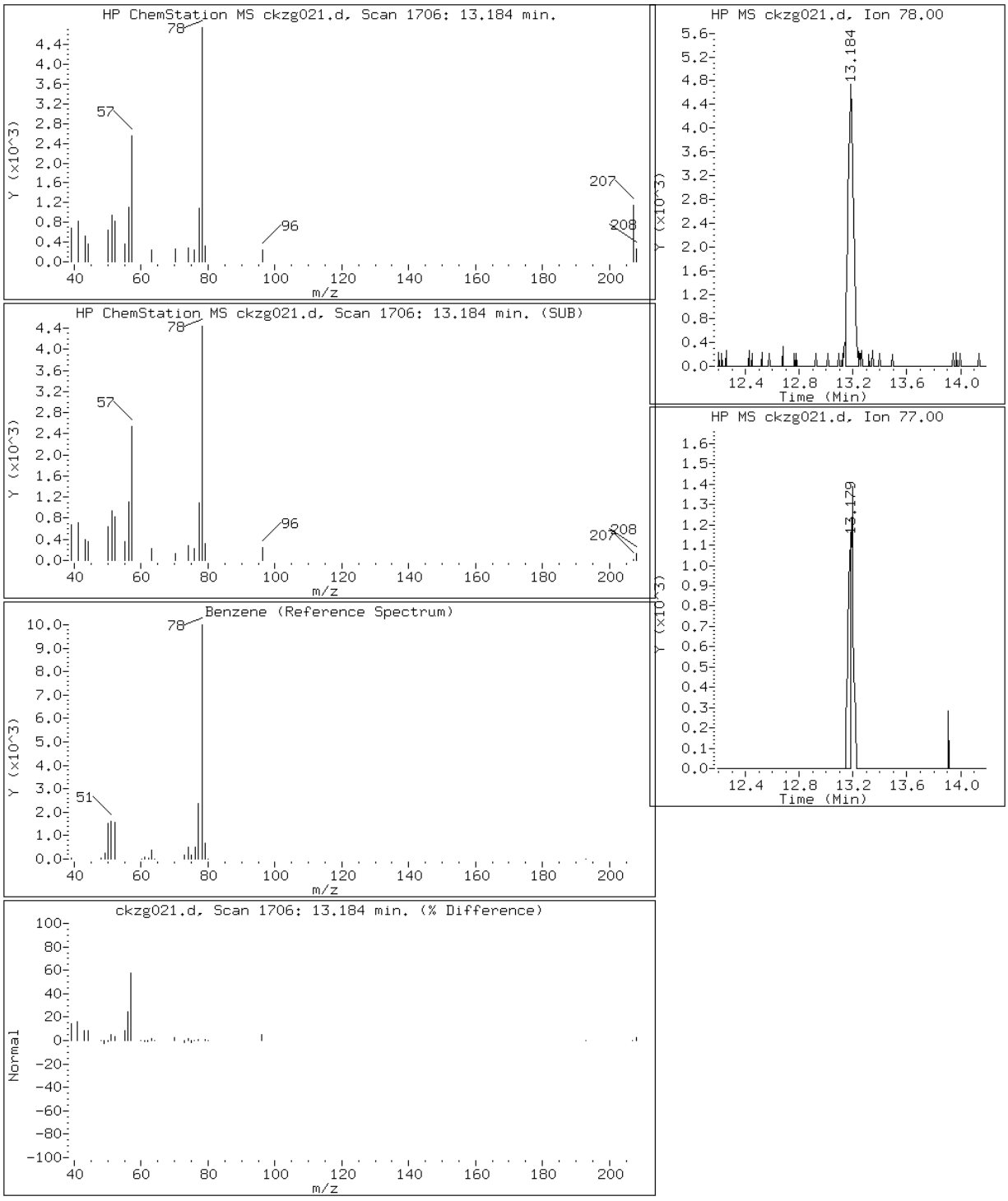
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

44 Benzene



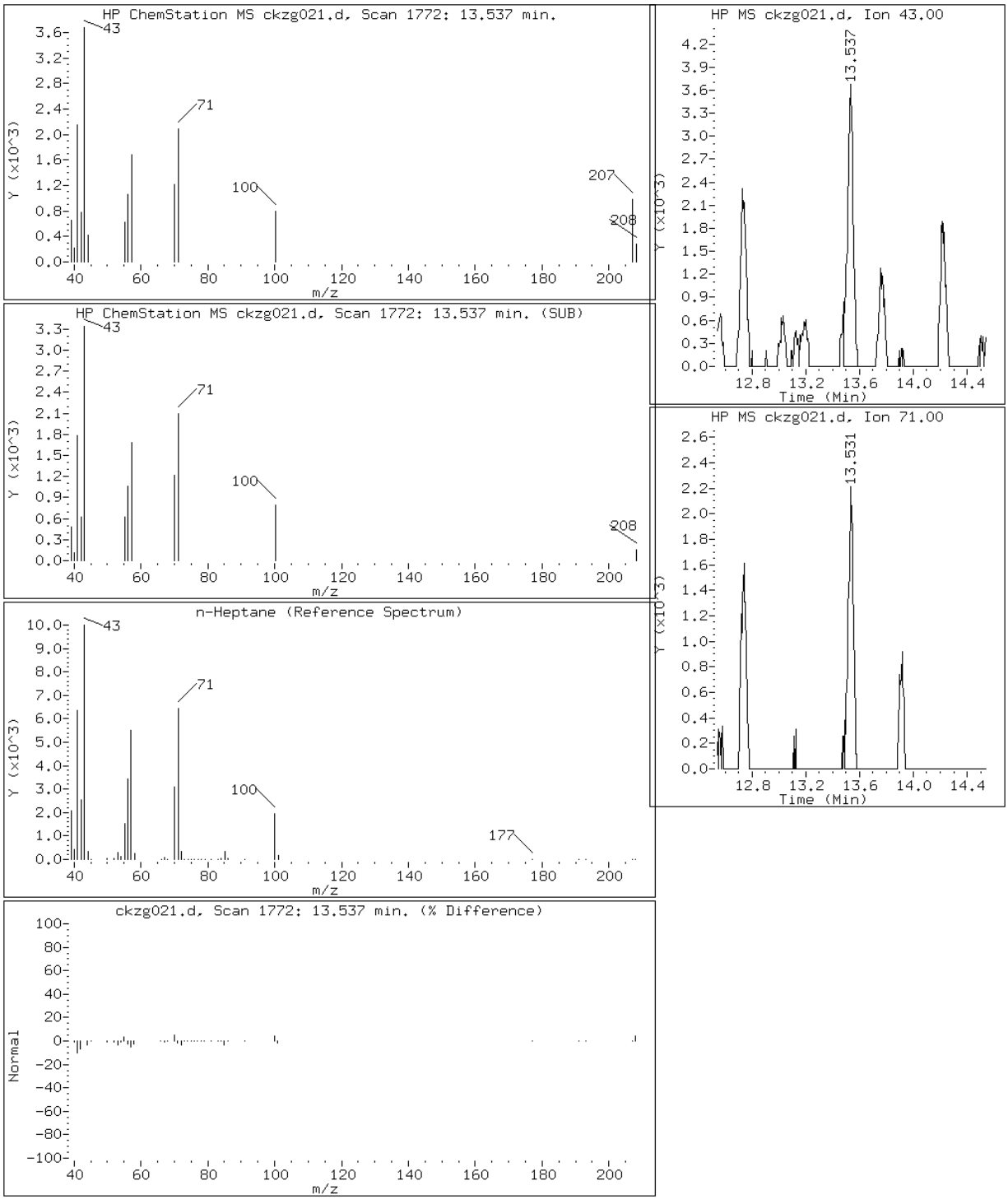
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

46 n-Heptane



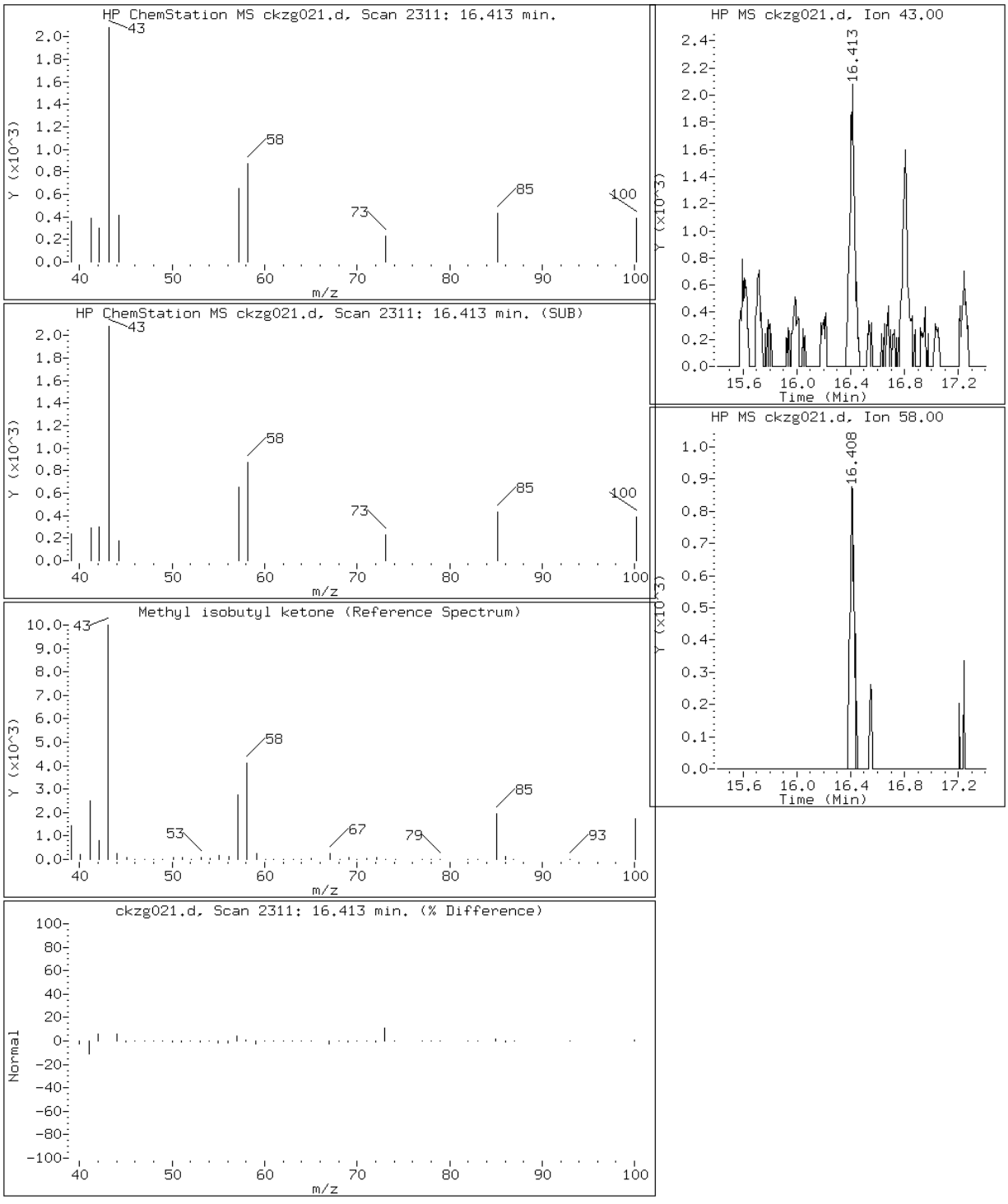
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

56 Methyl isobutyl ketone



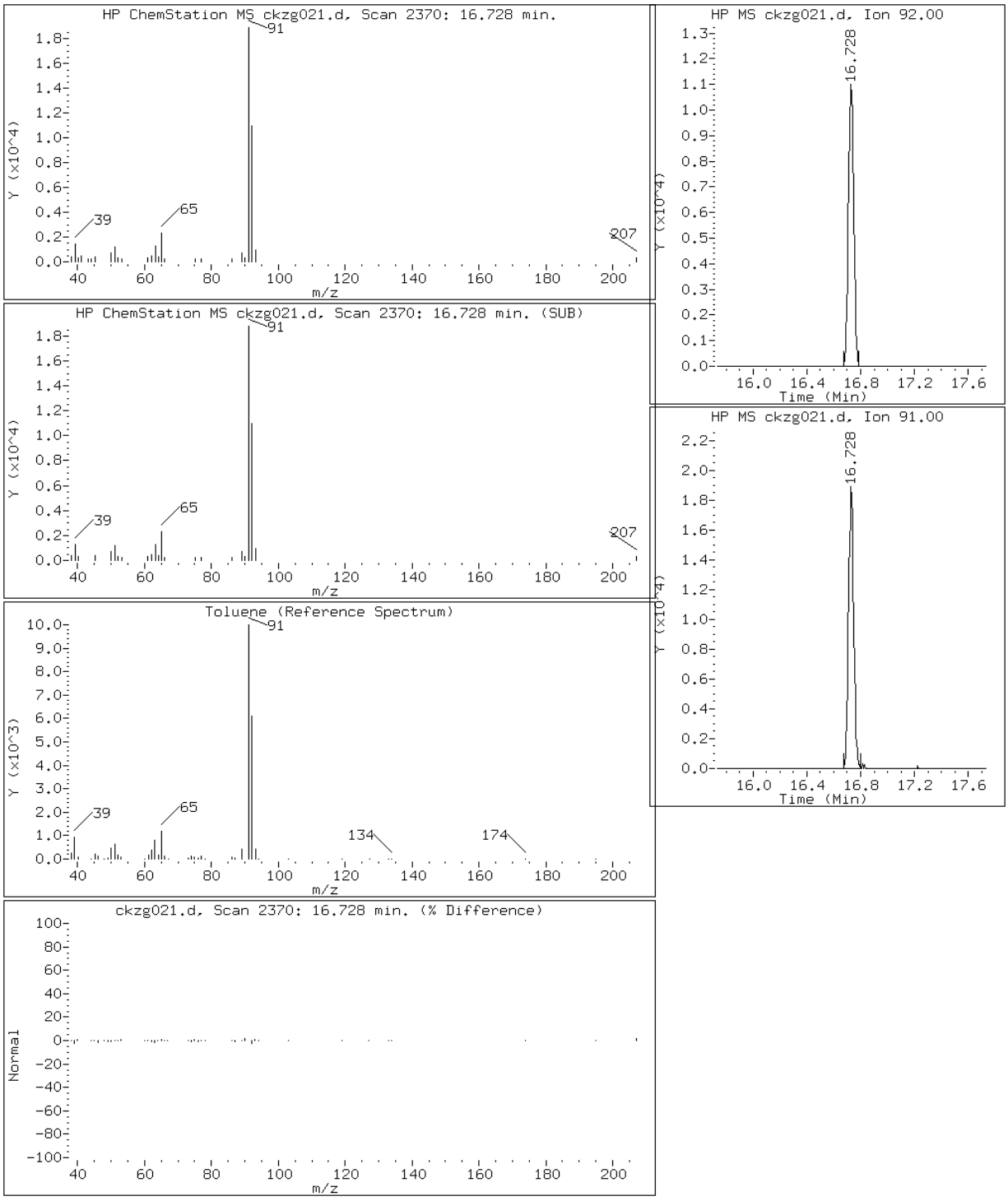
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

58 Toluene



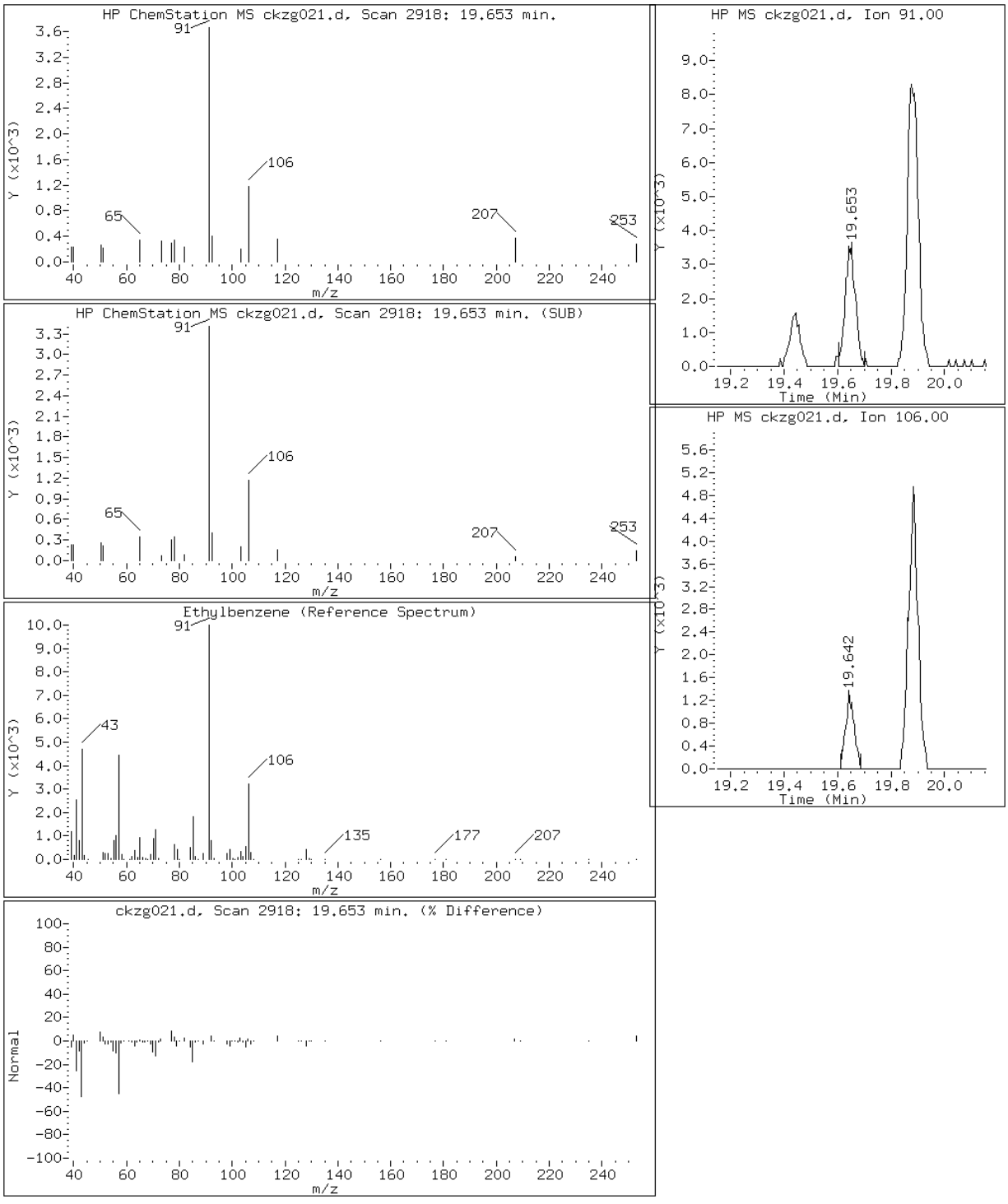
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

68 Ethylbenzene



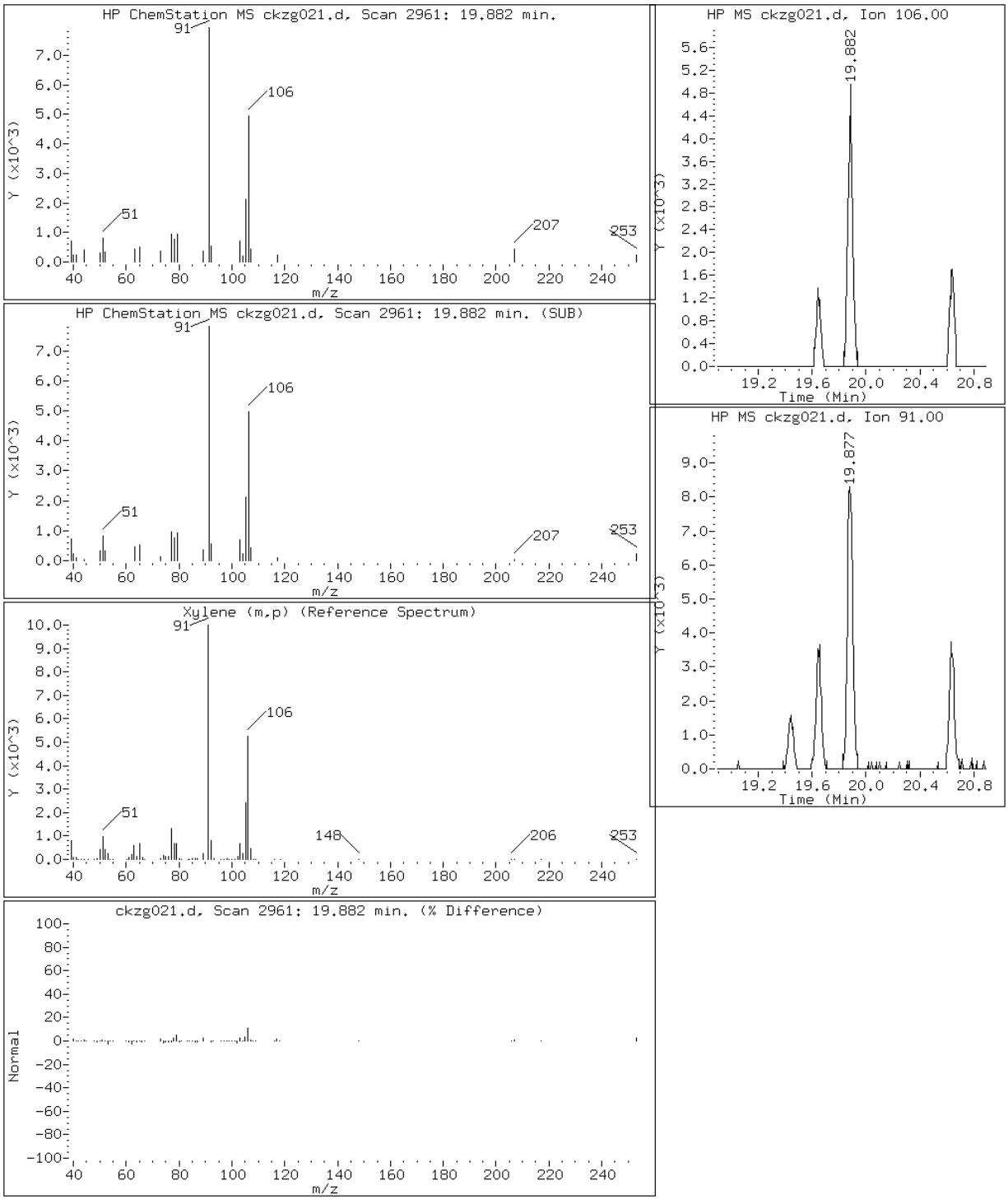
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

69 Xylene (m,p)



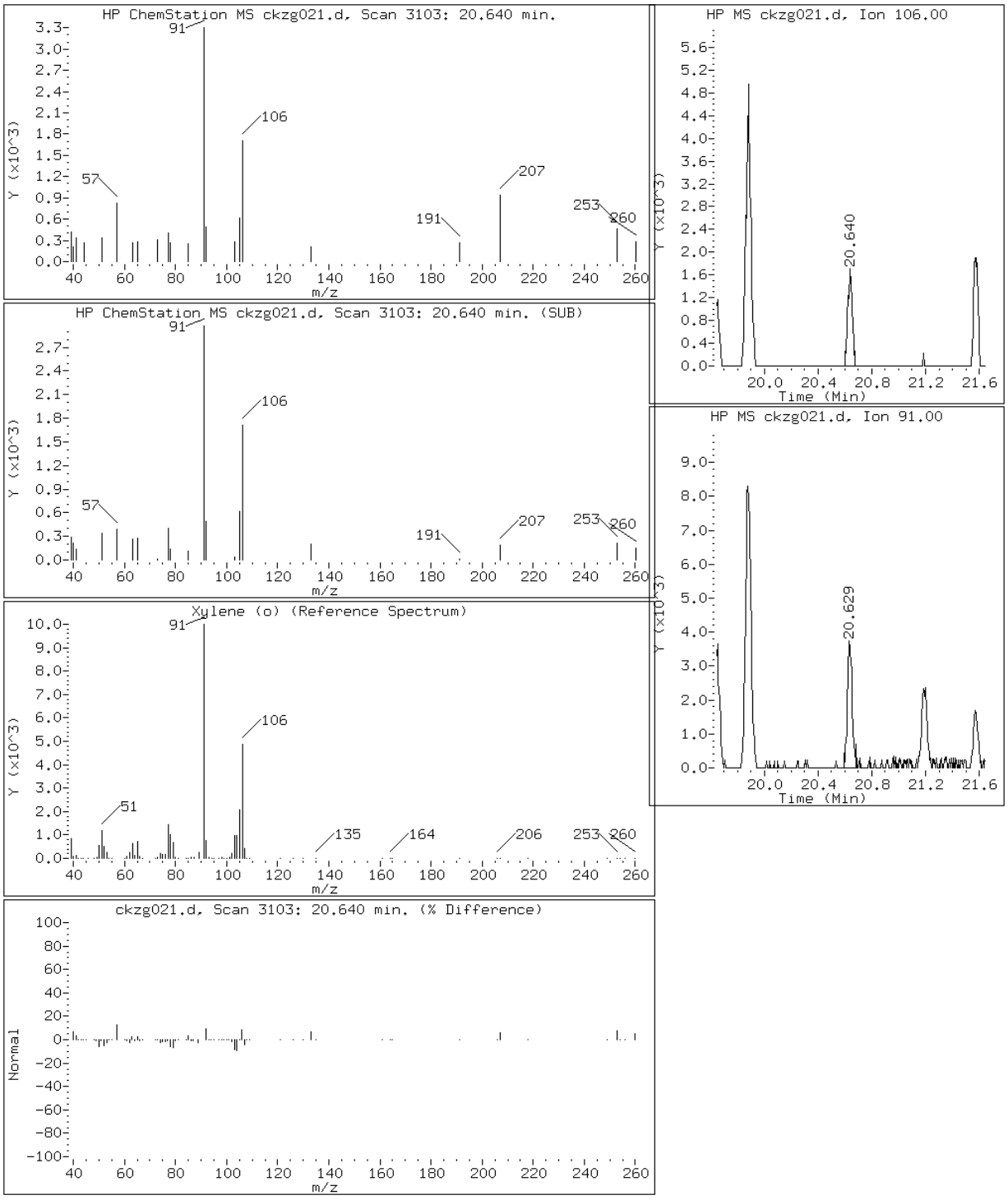
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

71 Xylene (o)



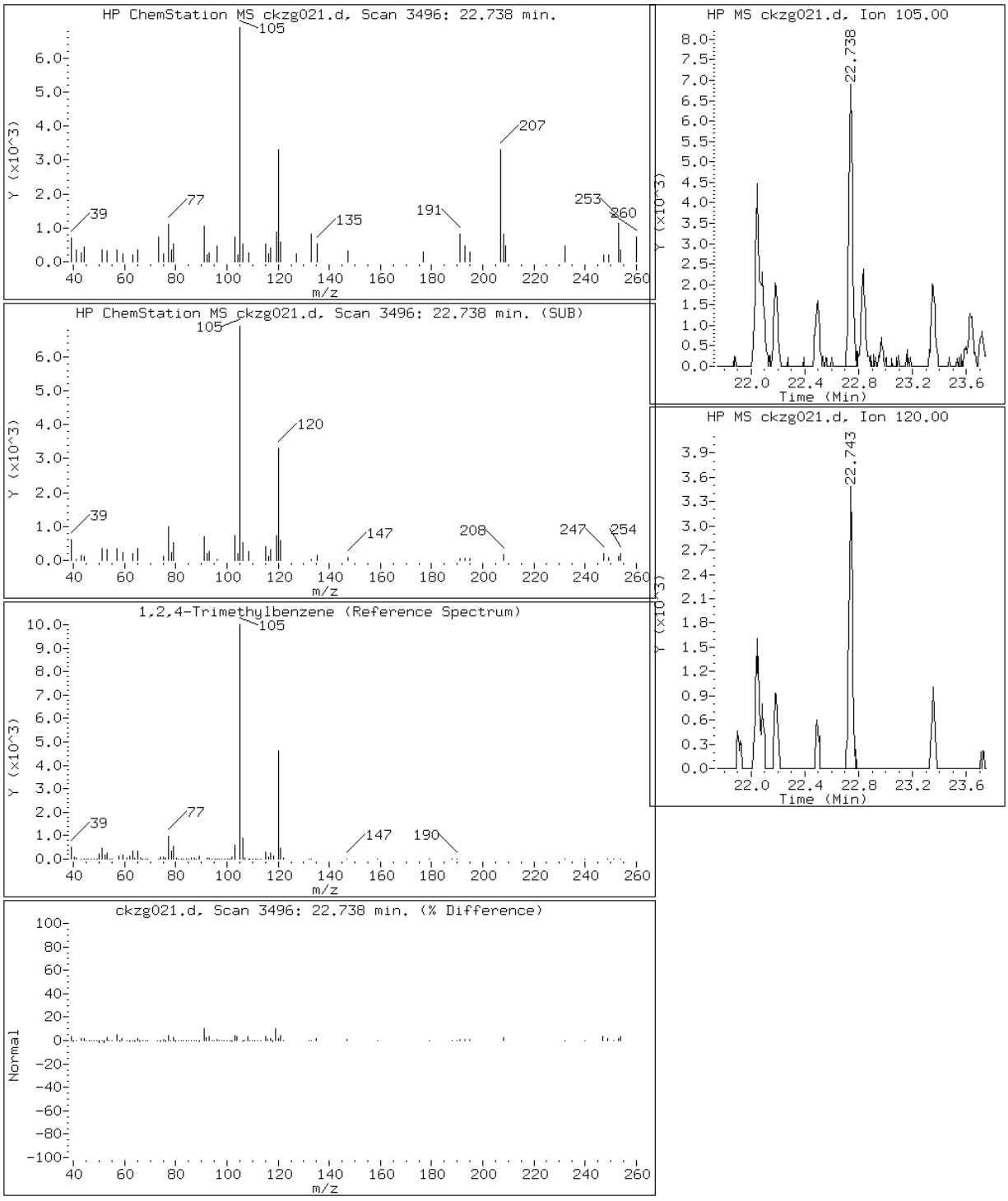
Data File: ckzg021.d

Lab Sample ID: 280-32071-15 Date: 23-AUG-2012 05:32

Client ID: 785IA08 Instrument: C.i

Sample Info: 280-32071-A-15 Operator: pad

84 1,2,4-Trimethylbenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786IA07 Lab Sample ID: 280-32071-16

Matrix: Air Lab File ID: ckzg022.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 06:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.51		0.50	0.020
75-45-6	Freon 22	86.47	0.36	J	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.62		0.50	0.034
106-97-8	n-Butane	58.12	3.3		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.080	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	19		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	1.2	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.56		0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.30	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.42		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.5		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.038	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.51	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.10	J	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.069	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.17	J	0.20	0.015
71-43-2	Benzene	78.11	0.15	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.11	J	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786IA07 Lab Sample ID: 280-32071-16

Matrix: Air Lab File ID: ckzg022.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 06:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.22		0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.17	J	0.50	0.034
108-88-3	Toluene	92.14	1.9		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.050	J M	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.097	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.29		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.89		0.50	0.022
95-47-6	Xylene, o-	106.17	0.24		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.1		0.20	0.016
100-42-5	Styrene	104.15	0.15	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.12	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786IA07 Lab Sample ID: 280-32071-16

Matrix: Air Lab File ID: ckzg022.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 06:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786IA07 Lab Sample ID: 280-32071-16

Matrix: Air Lab File ID: ckzg022.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 06:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.099
75-45-6	Freon 22	86.47	1.3	J	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	1.3		1.0	0.070
106-97-8	n-Butane	58.12	7.8		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
76-13-1	Freon TF	187.38	0.61	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	46		12	0.95
67-63-0	Isopropyl alcohol	60.10	3.0	J	12	0.19
75-15-0	Carbon disulfide	76.14	1.8		1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	1.0	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.5		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	4.5		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.19	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	1.5	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.35	J	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.43	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.80	J	0.93	0.070
71-43-2	Benzene	78.11	0.47	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.44	J	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786IA07 Lab Sample ID: 280-32071-16

Matrix: Air Lab File ID: ckzg022.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 06:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.92		0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.71	J	2.0	0.14
108-88-3	Toluene	92.14	7.3		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.34	J M	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.40	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	1.3		0.87	0.065
179601-23-1	m,p-Xylene	106.17	3.9		2.2	0.096
95-47-6	Xylene, o-	106.17	1.0		0.87	0.069
1330-20-7	Xylene (total)	106.17	4.9		0.87	0.069
100-42-5	Styrene	104.15	0.62	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.59	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 786IA07 Lab Sample ID: 280-32071-16

Matrix: Air Lab File ID: ckzg022.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 06:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-16
Client Smp ID: 785IA07
Inj Date : 23-AUG-2012 06:26
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-16
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	45683	0.50628	0.51
3 Chlorodifluoromethane	51	4.347	4.363	(0.360)	16334	0.35921	0.36(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.795	4.811	(0.397)	15662	0.62242	0.62
6 Butane	43	5.067	5.078	(0.419)	145549	3.27022	3.3
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.839	6.860	(0.566)	22895	0.24059	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	5332	0.08013	0.080(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.253	8.269	(0.683)	703855	19.4509	19

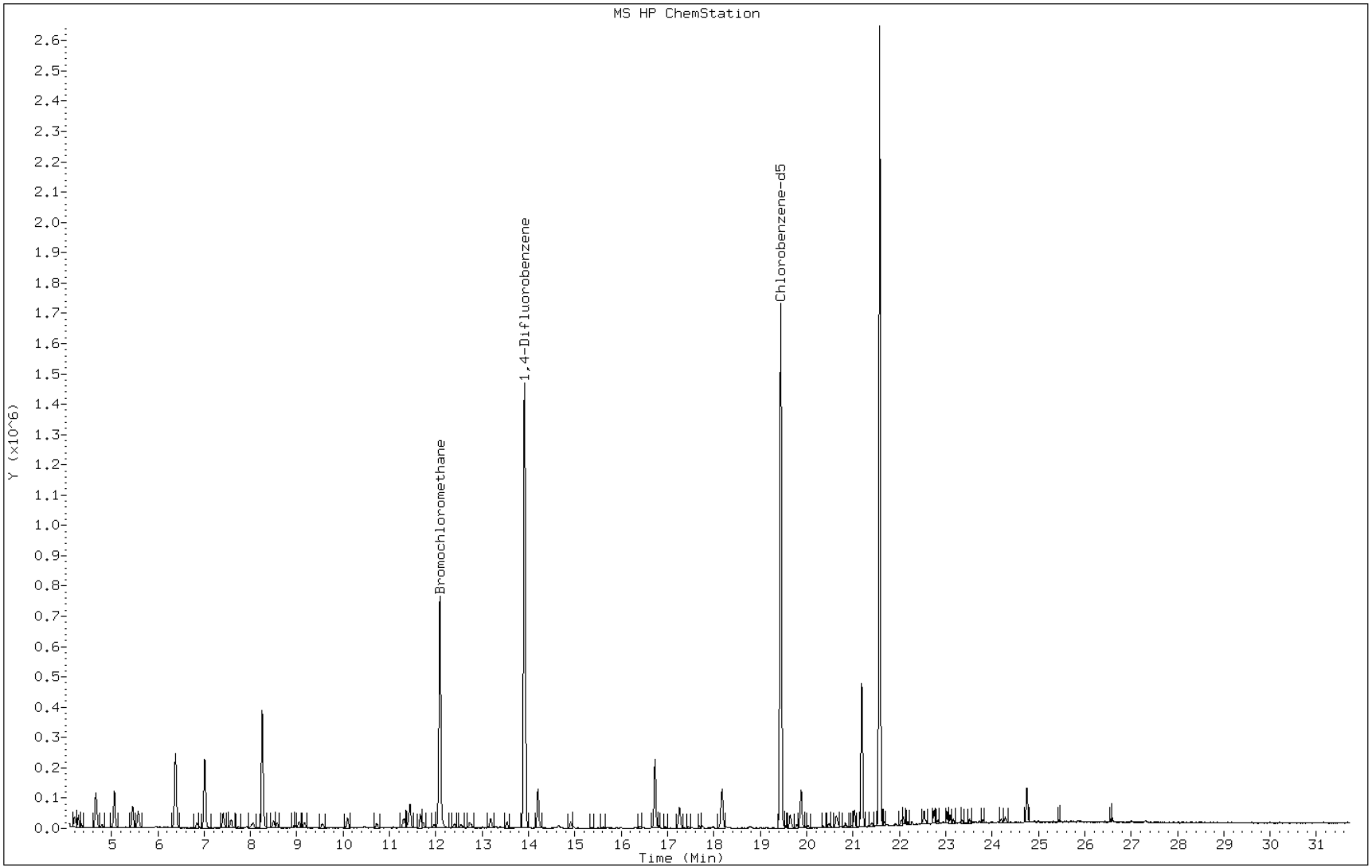
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	49466	0.56391	0.56
	22 Isopropanol	45	8.573	8.573	(0.709)	30840	1.21303	1.2(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.160	9.177	(0.758)	9238	0.29927	0.30(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.089	10.105	(0.835)	21121	0.42468	0.42
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.663	11.674	(0.965)	20789	1.51198	1.5(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	328635	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.873)	14879	0.51276	0.51(a)
	39 Chloroform	83	12.208	12.213	(1.010)	2815	0.03834	0.038(a)
	40 Cyclohexane	84	12.533	12.544	(0.901)	5277	0.10192	0.10(aQ)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.768	12.784	(0.918)	6110	0.06869	0.069(a)
	43 2,2,4-Trimethylpentane	57	13.190	13.201	(0.948)	27997	0.17196	0.17(a)
	44 Benzene	78	13.179	13.190	(0.947)	16161	0.14783	0.15(a)
	45 1,2-Dichloroethane	62	13.307	13.318	(0.957)	5405	0.10992	0.11(a)
	46 n-Heptane	43	13.537	13.542	(0.973)	12991	0.22326	0.22
*	47 1,4-Difluorobenzene	114	13.910	13.921	(1.000)	1845826	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.397	16.408	(1.179)	8914	0.17270	0.17(a)
	58 Toluene	92	16.728	16.734	(0.861)	157604	1.92570	1.9
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.764	17.764	(0.914)	3826	0.04958	0.050(aQM)
	62 2-Hexanone	43	17.993	17.993	(0.926)	4609	0.09668	0.097(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1707173	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.642	19.653	(1.010)	50501	0.29336	0.29
	69 Xylene (m,p)	106	19.882	19.893	(1.023)	63813	0.88976	0.89
M	70 Xylenes, Total	106				80140	1.12490	1.1
	71 Xylene (o)	106	20.640	20.646	(1.062)	16327	0.23514	0.24
	72 Styrene	104	20.667	20.678	(1.063)	14325	0.14589	0.15(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.738	22.748	(1.170)	19444	0.11984	0.12(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg022.d	Date:	23-AUG-2012 06:26
Client ID:	785IA07	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-16		
Lab Sample ID:	280-32071-16		



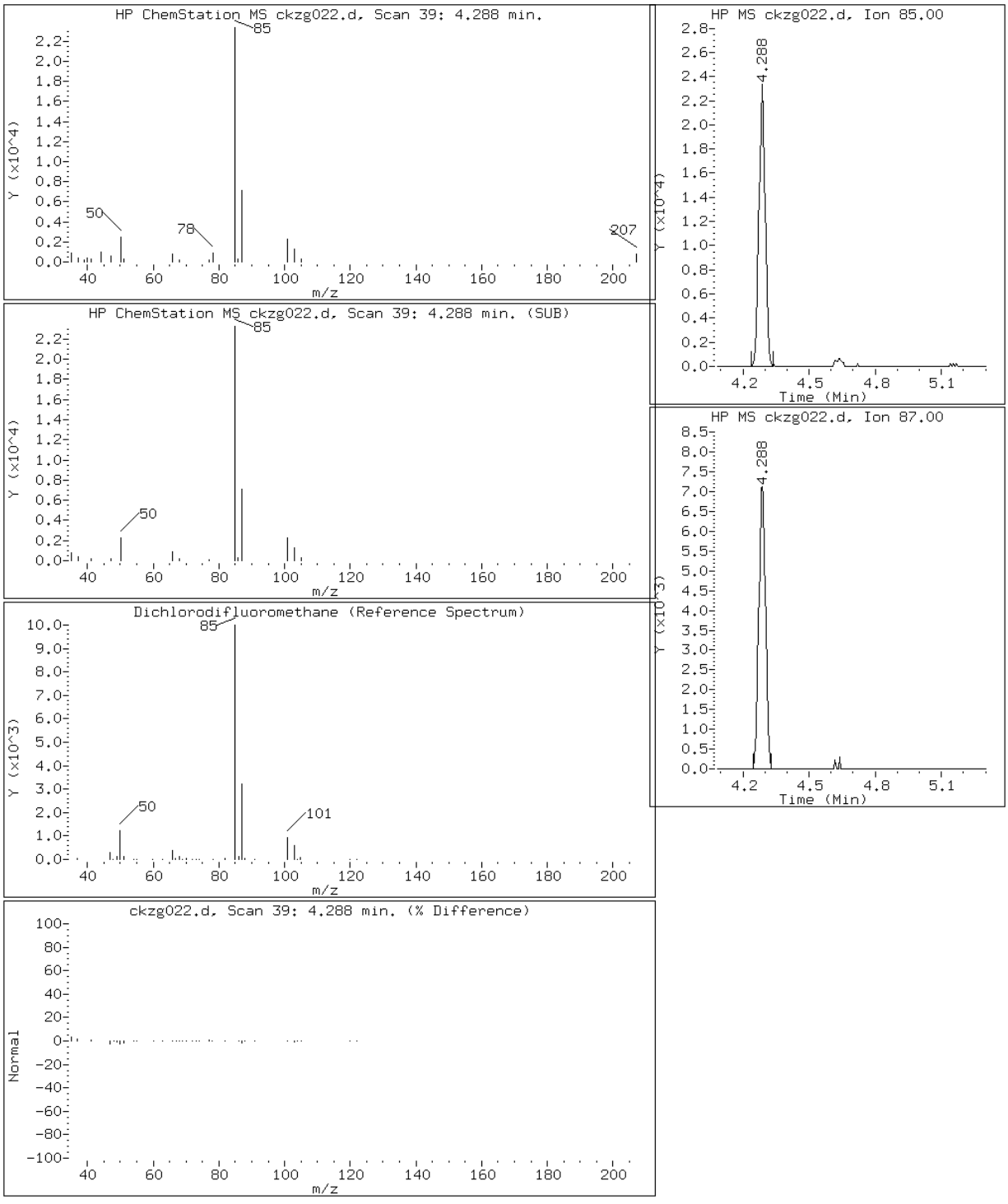
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

2 Dichlorodifluoromethane



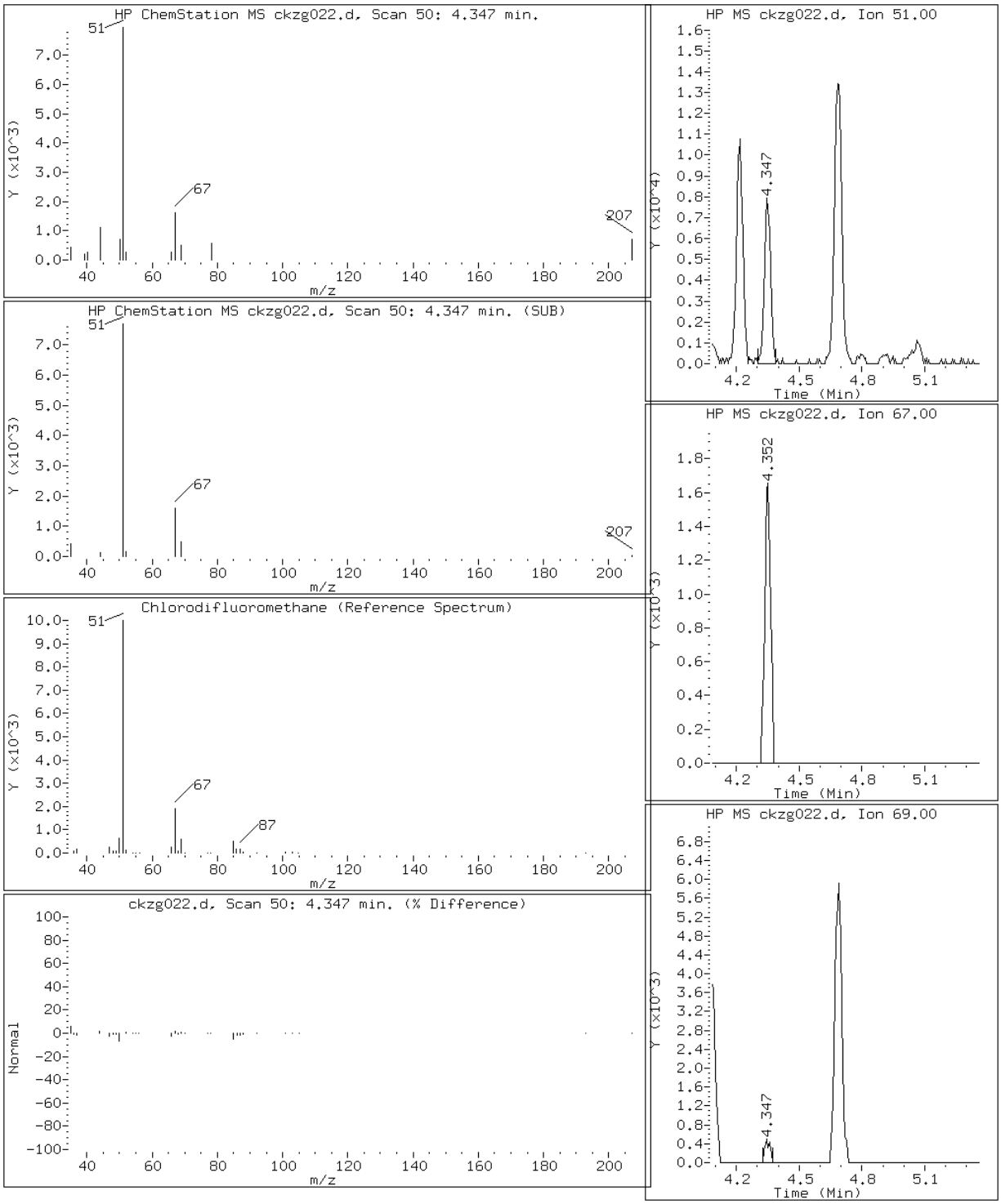
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

3 Chlorodifluoromethane



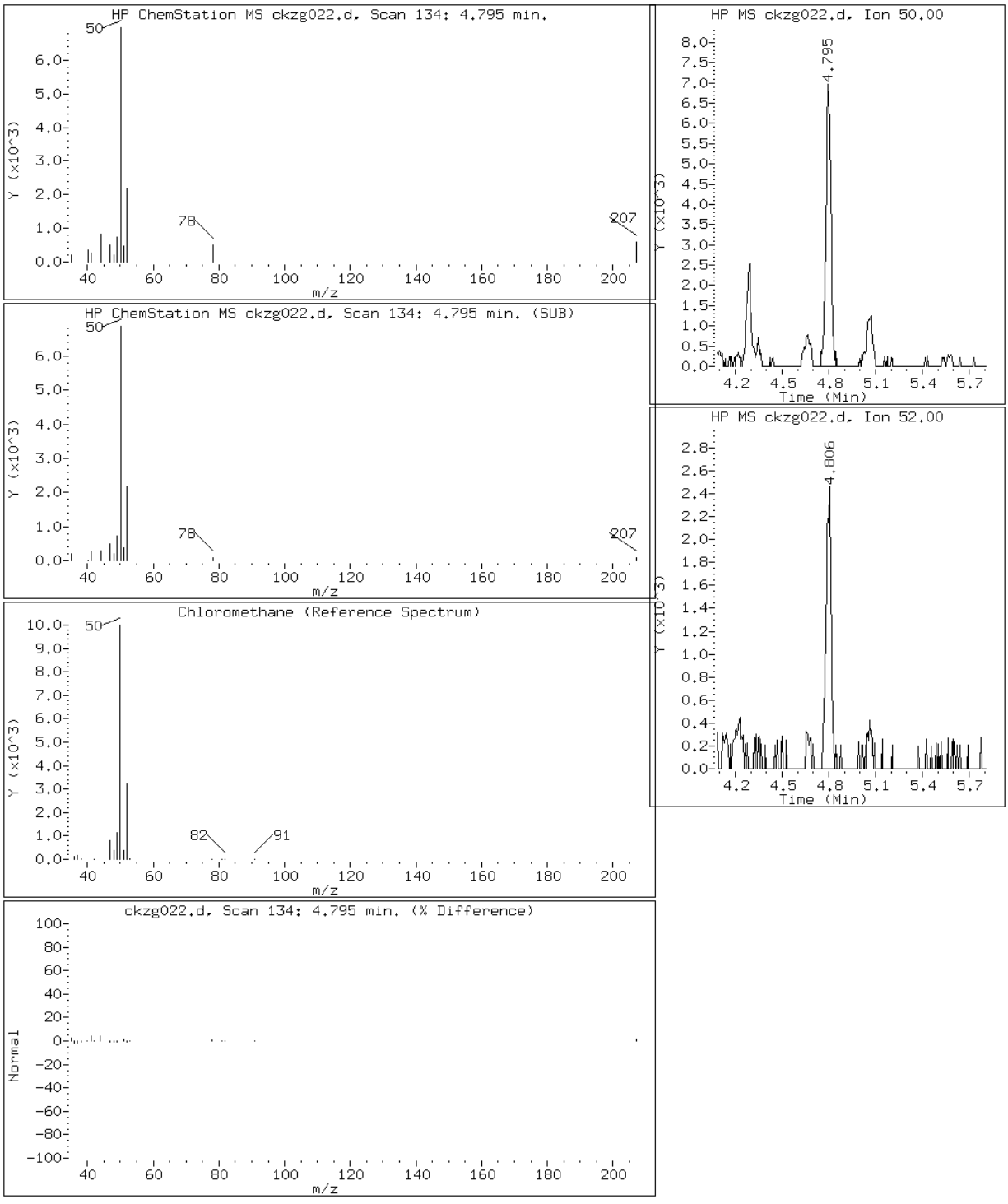
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

5 Chloromethane



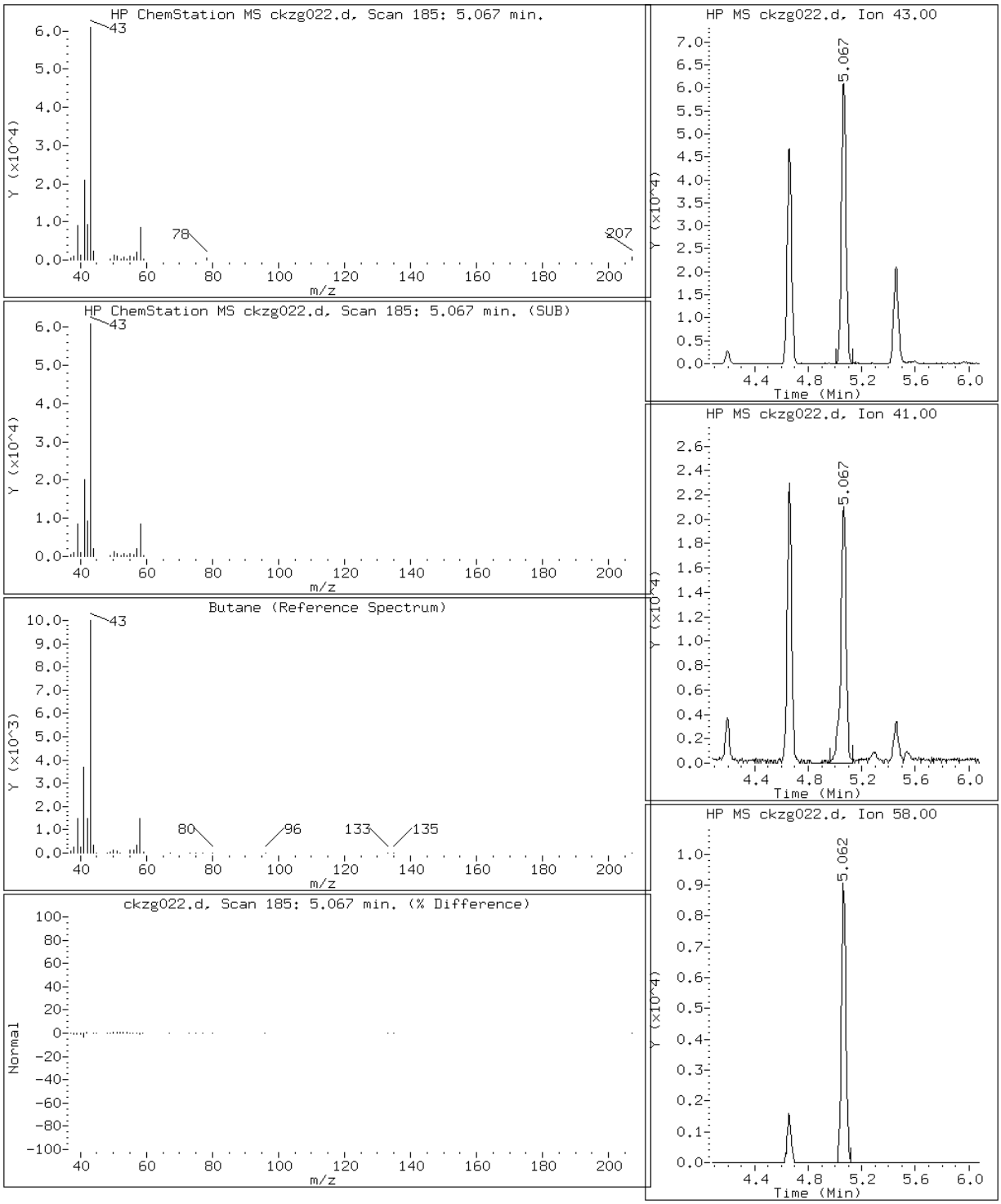
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

6 Butane



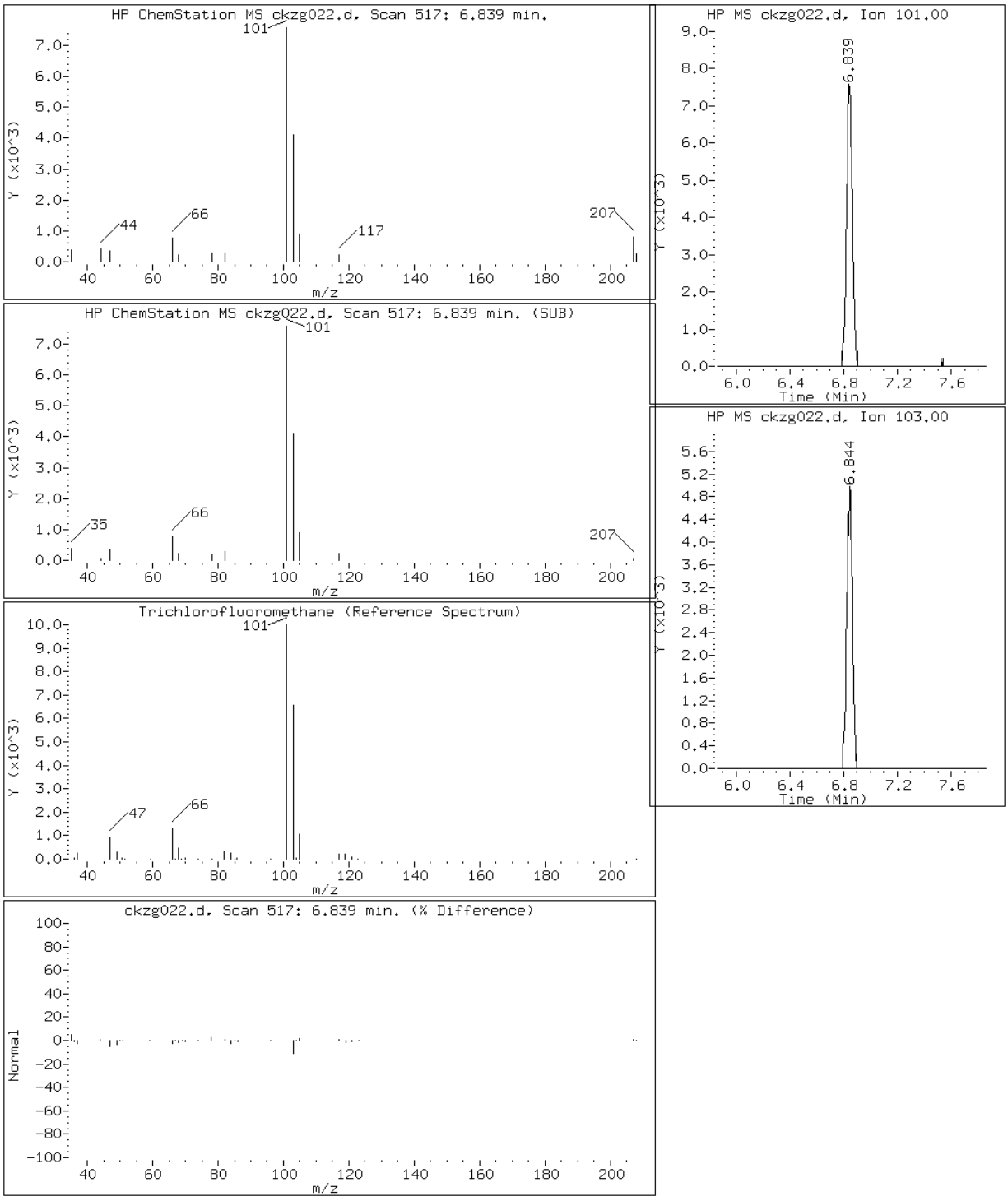
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

13 Trichlorofluoromethane



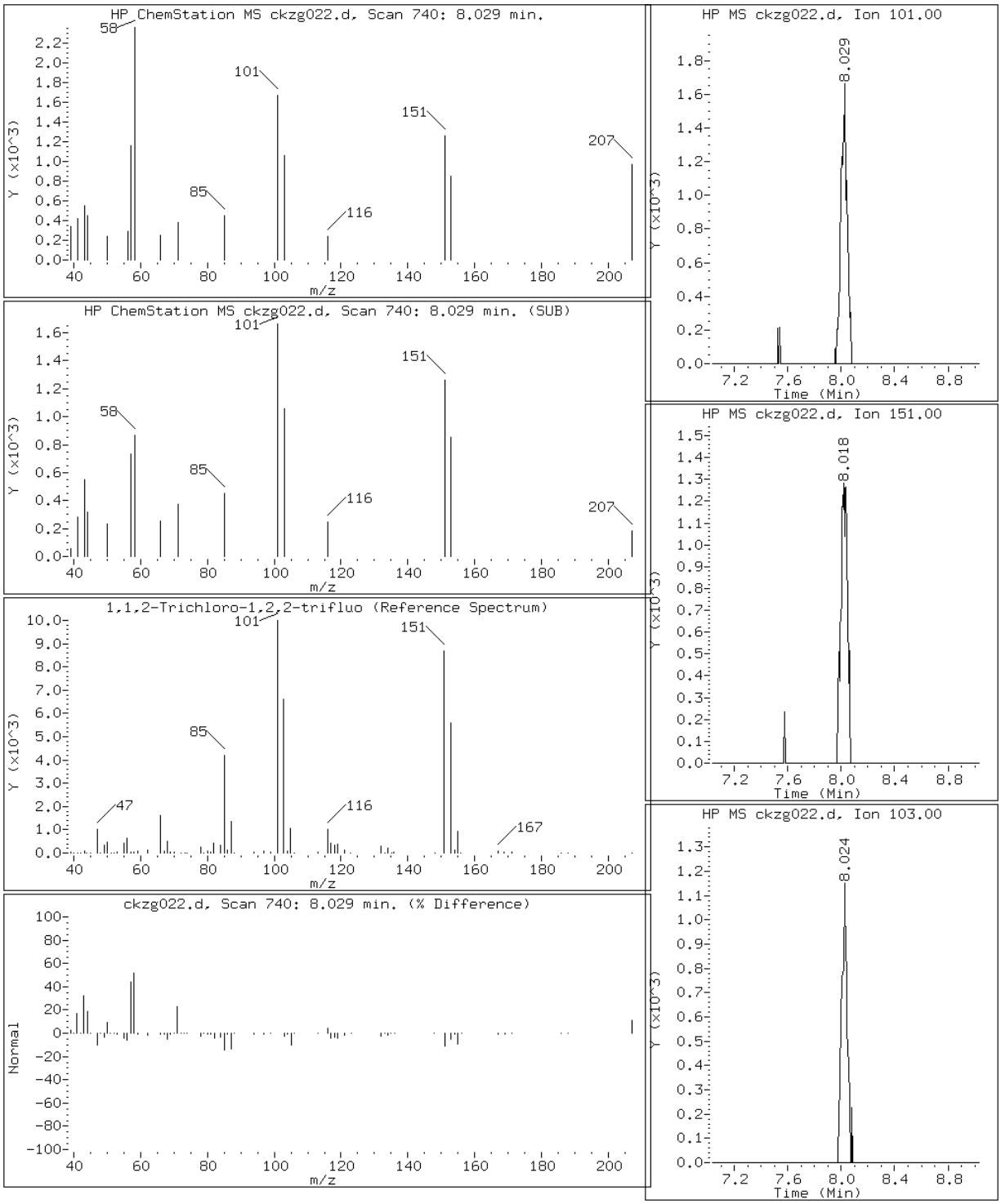
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



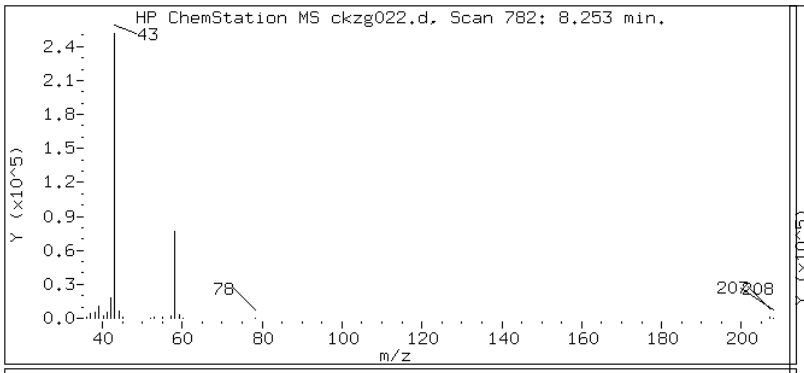
Data File: ckzg022.d

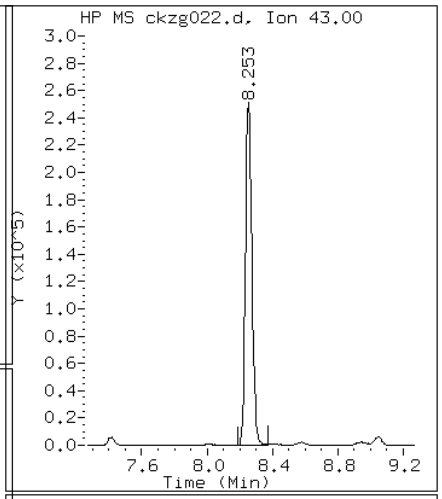
Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

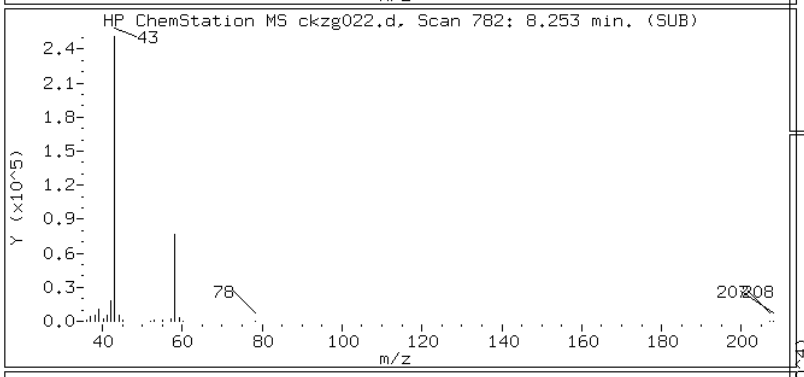
Client ID: 785IA07 Instrument: C.i

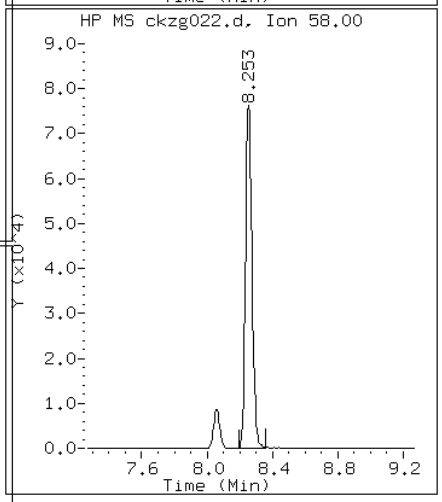
Sample Info: 280-32071-A-16 Operator: pad

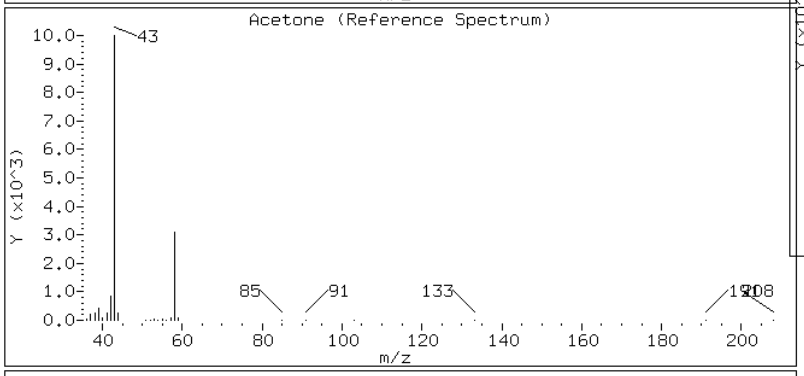
20 Acetone

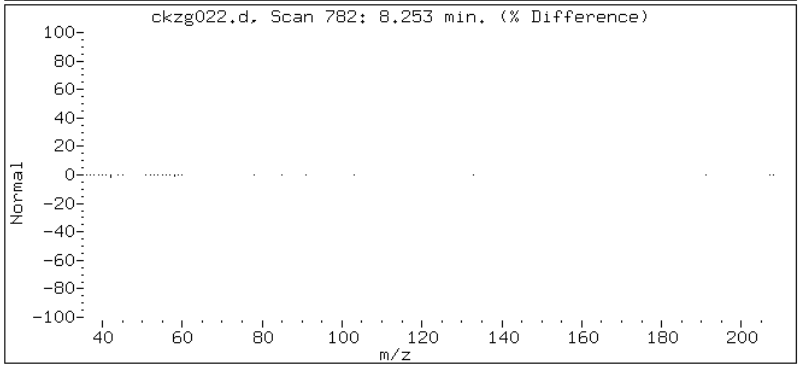












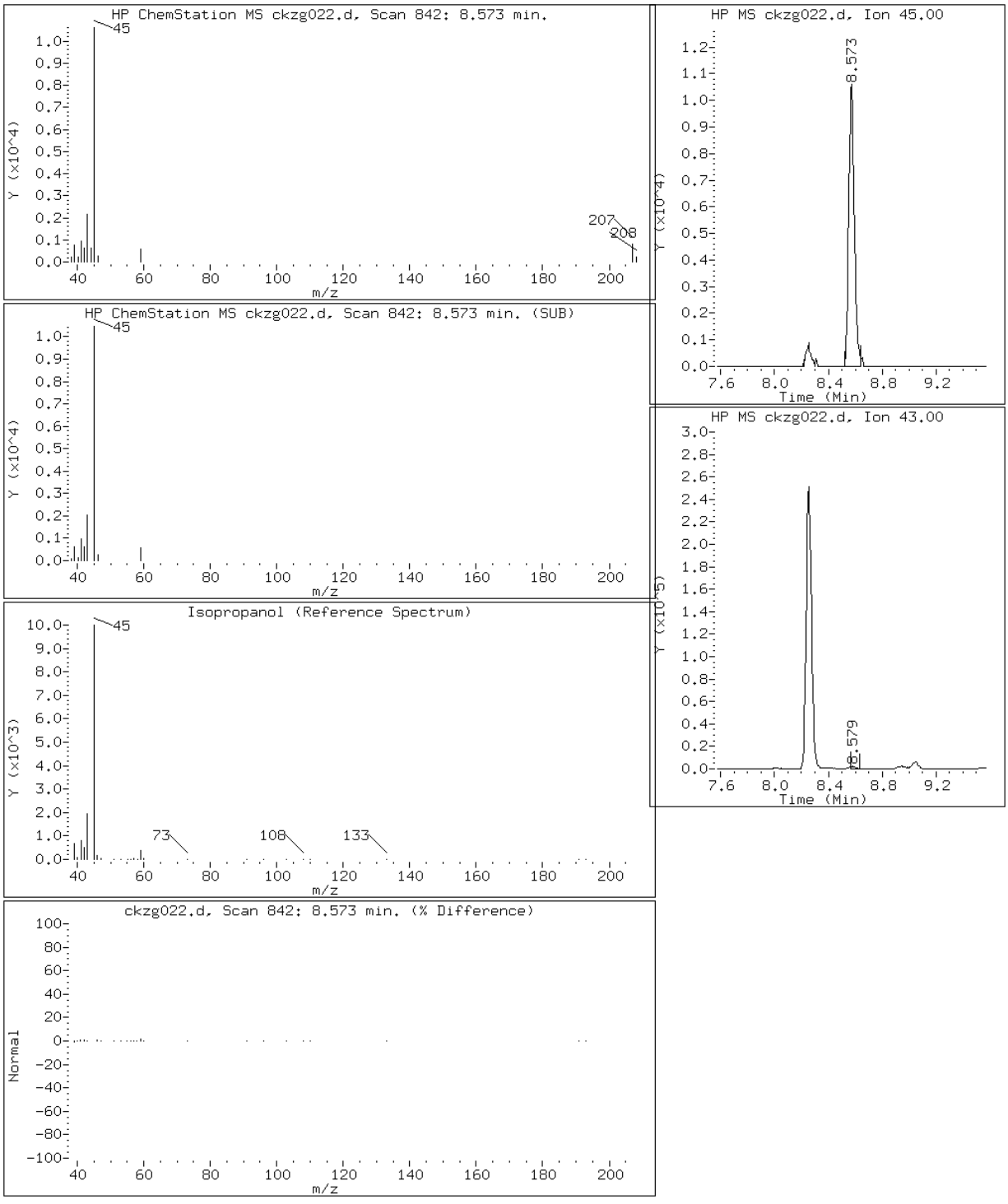
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

22 Isopropanol



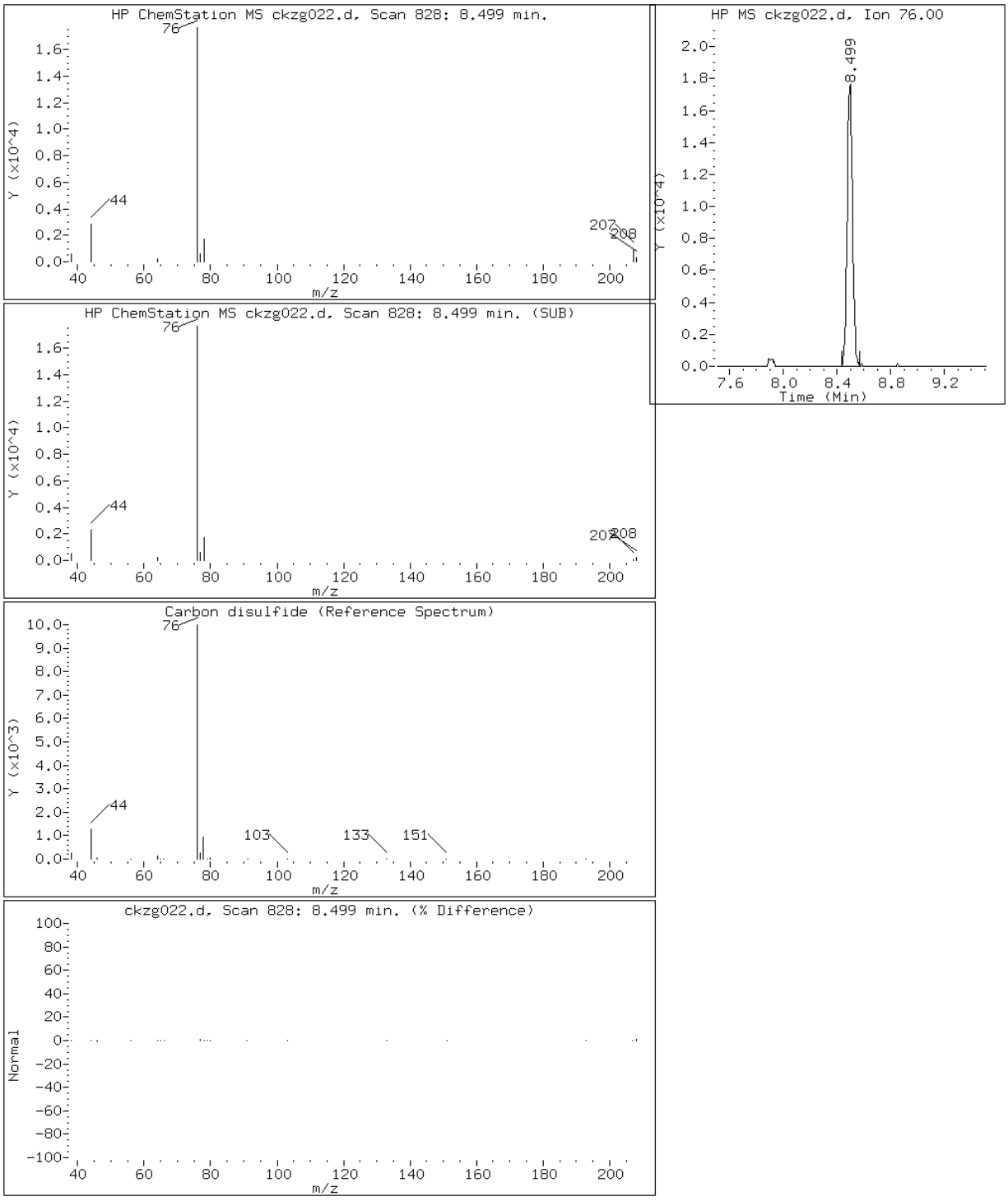
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

21 Carbon disulfide



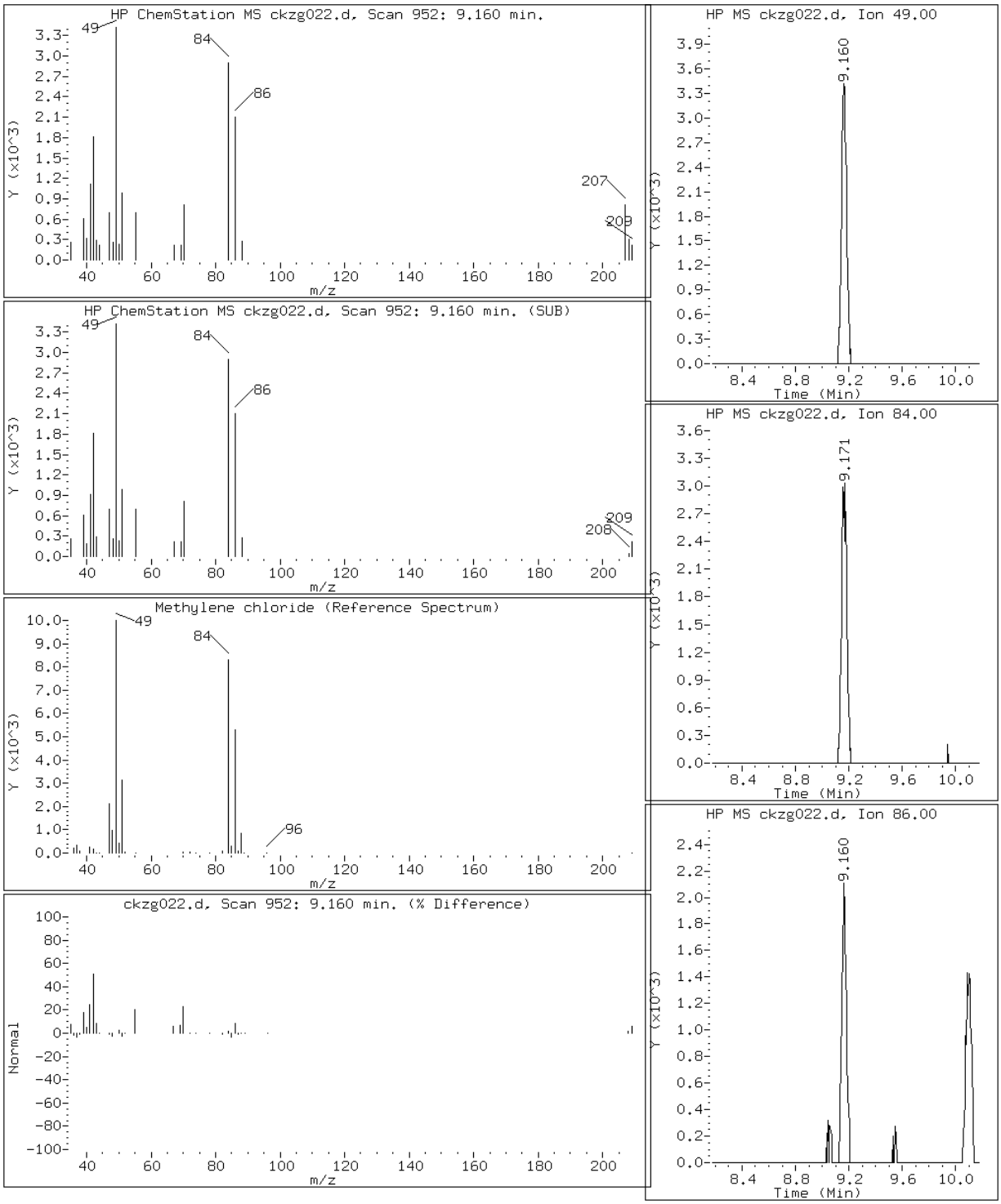
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

25 Methylene chloride



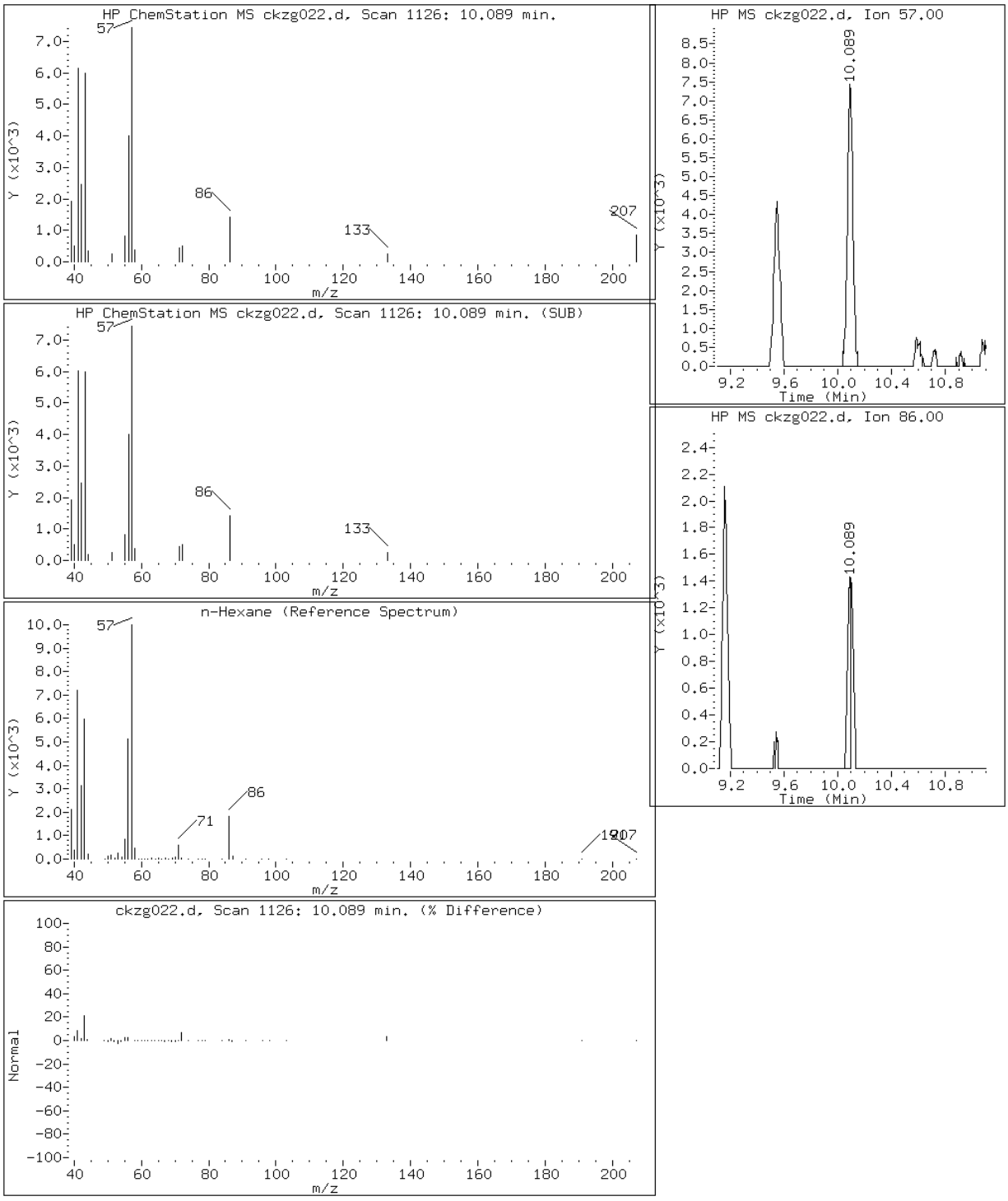
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

30 n-Hexane



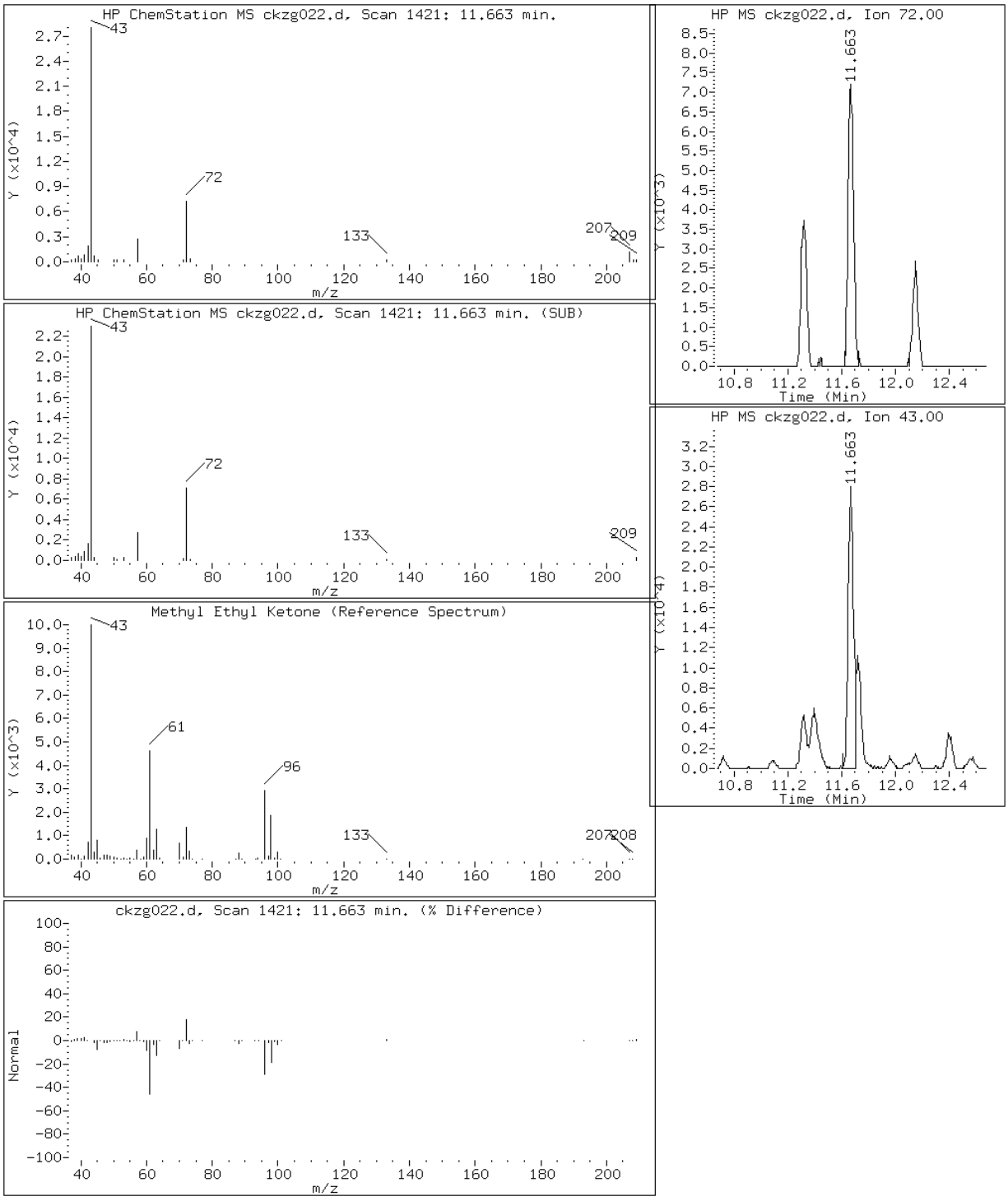
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

36 Methyl Ethyl Ketone



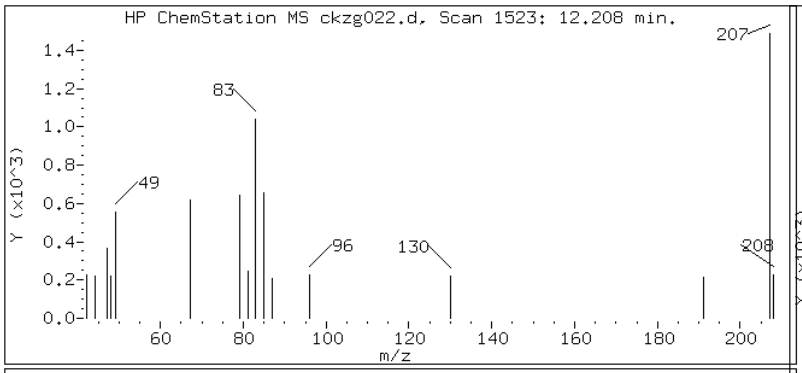
Data File: ckzg022.d

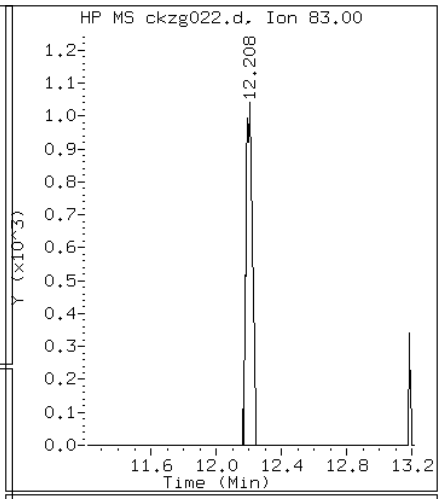
Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

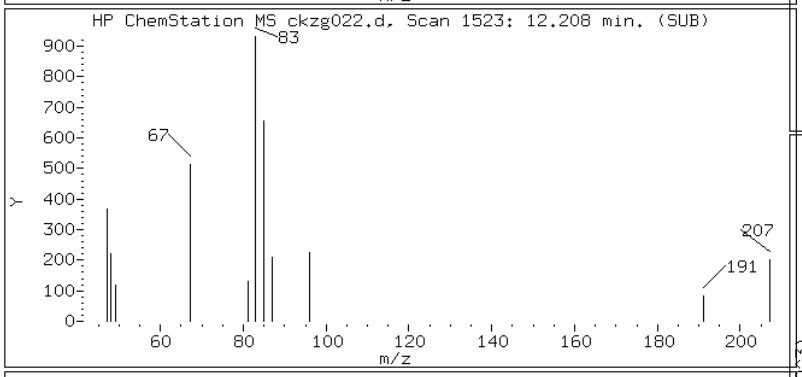
Client ID: 785IA07 Instrument: C.i

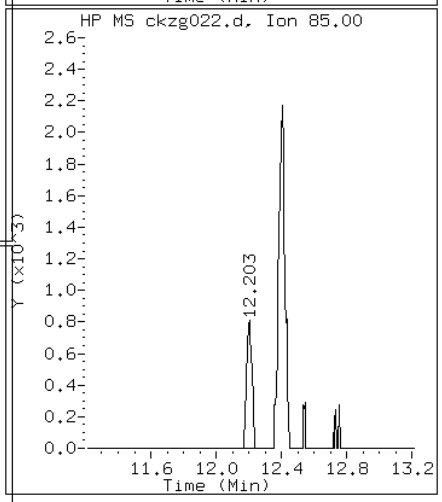
Sample Info: 280-32071-A-16 Operator: pad

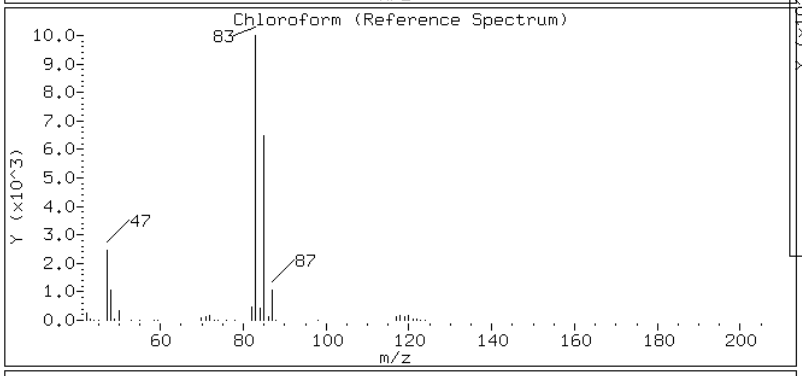
39 Chloroform

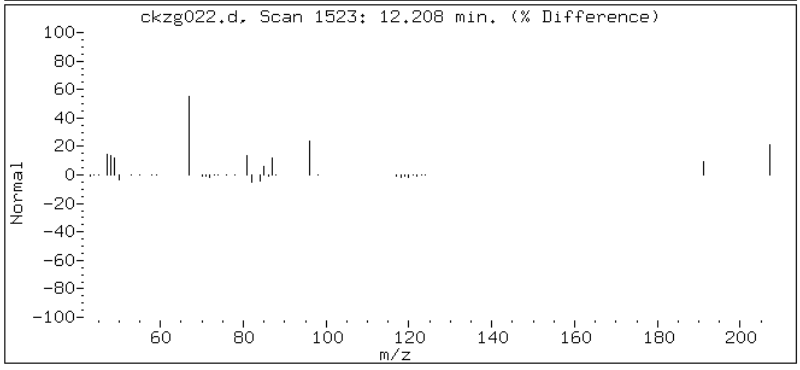












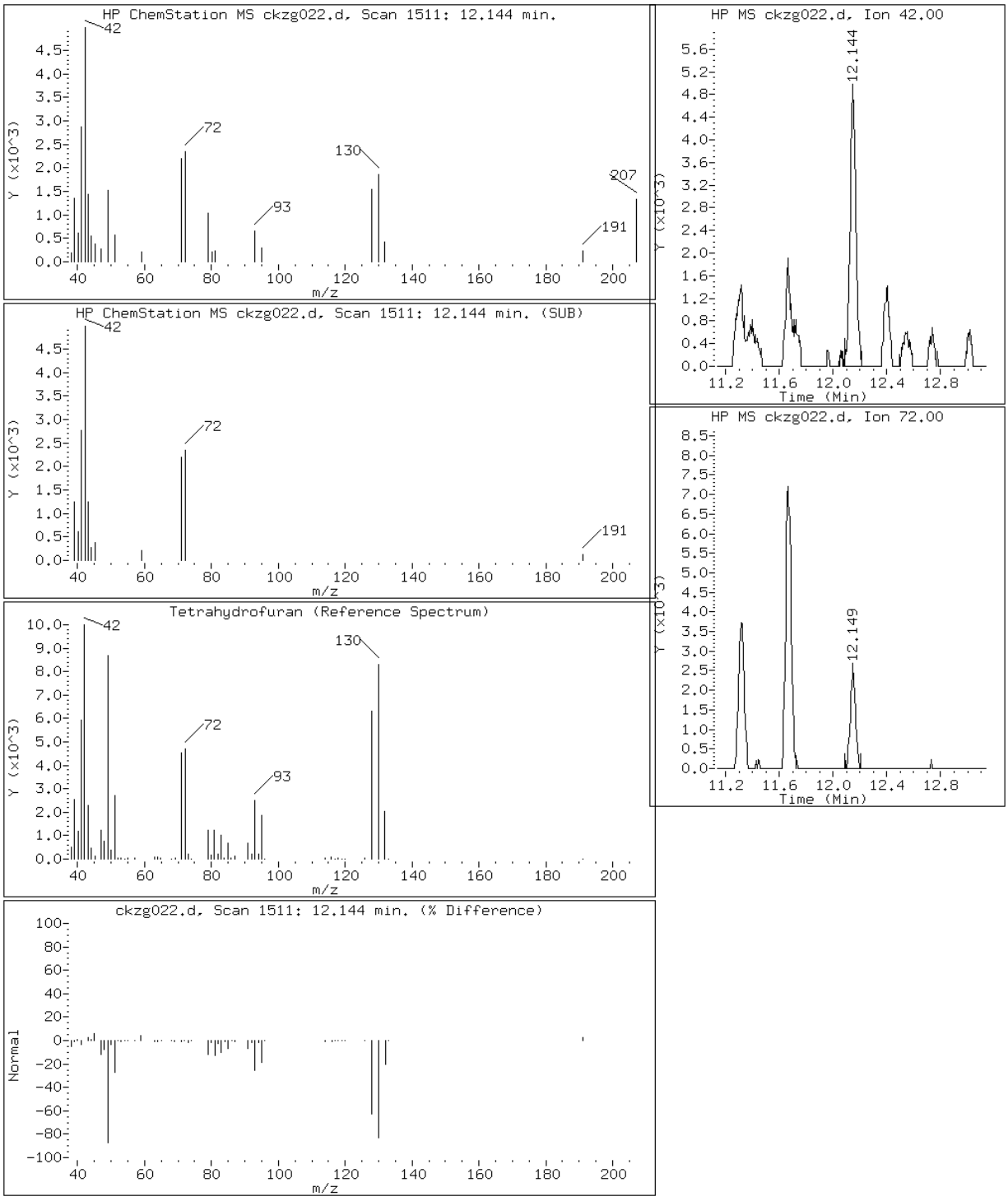
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

38 Tetrahydrofuran



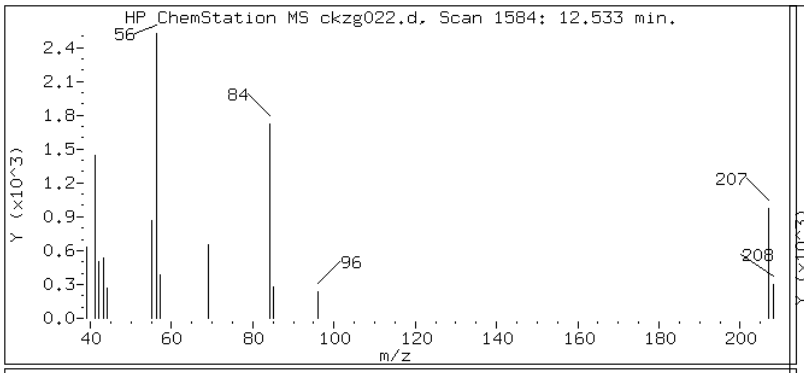
Data File: ckzg022.d

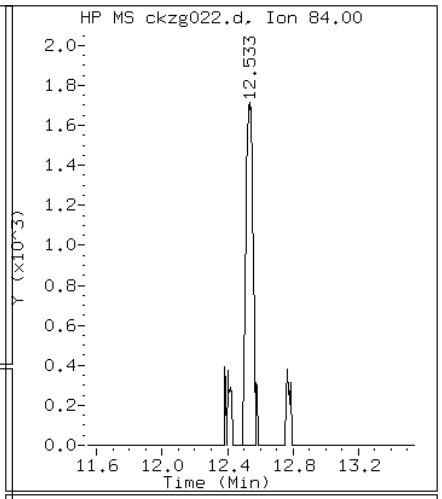
Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

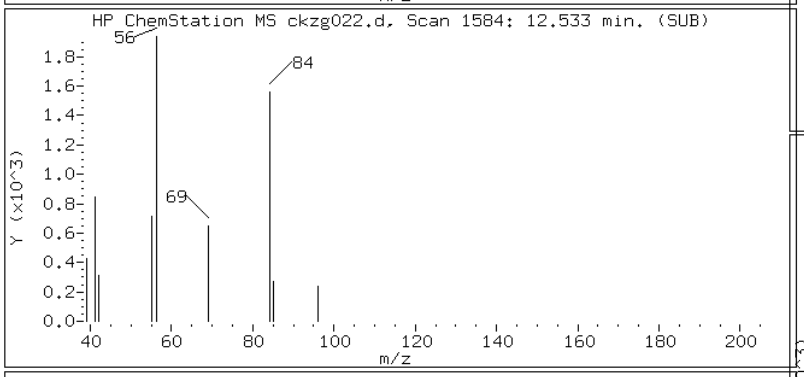
Client ID: 785IA07 Instrument: C.i

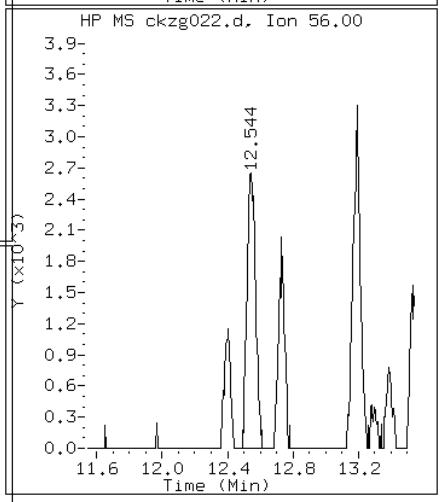
Sample Info: 280-32071-A-16 Operator: pad

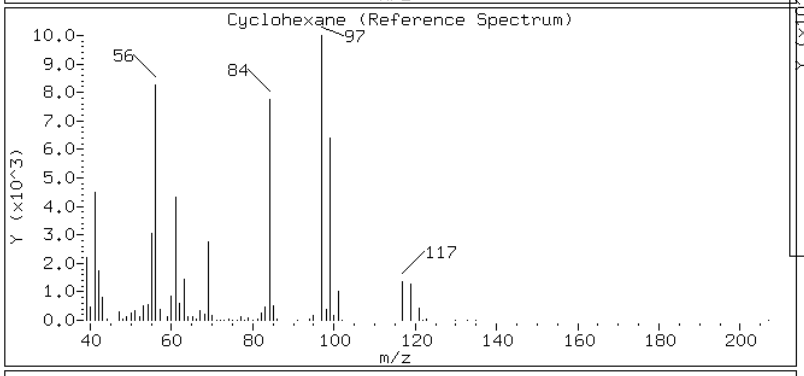
40 Cyclohexane

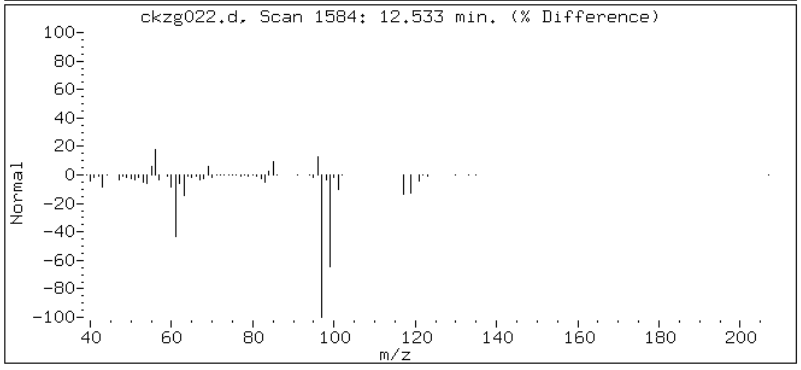












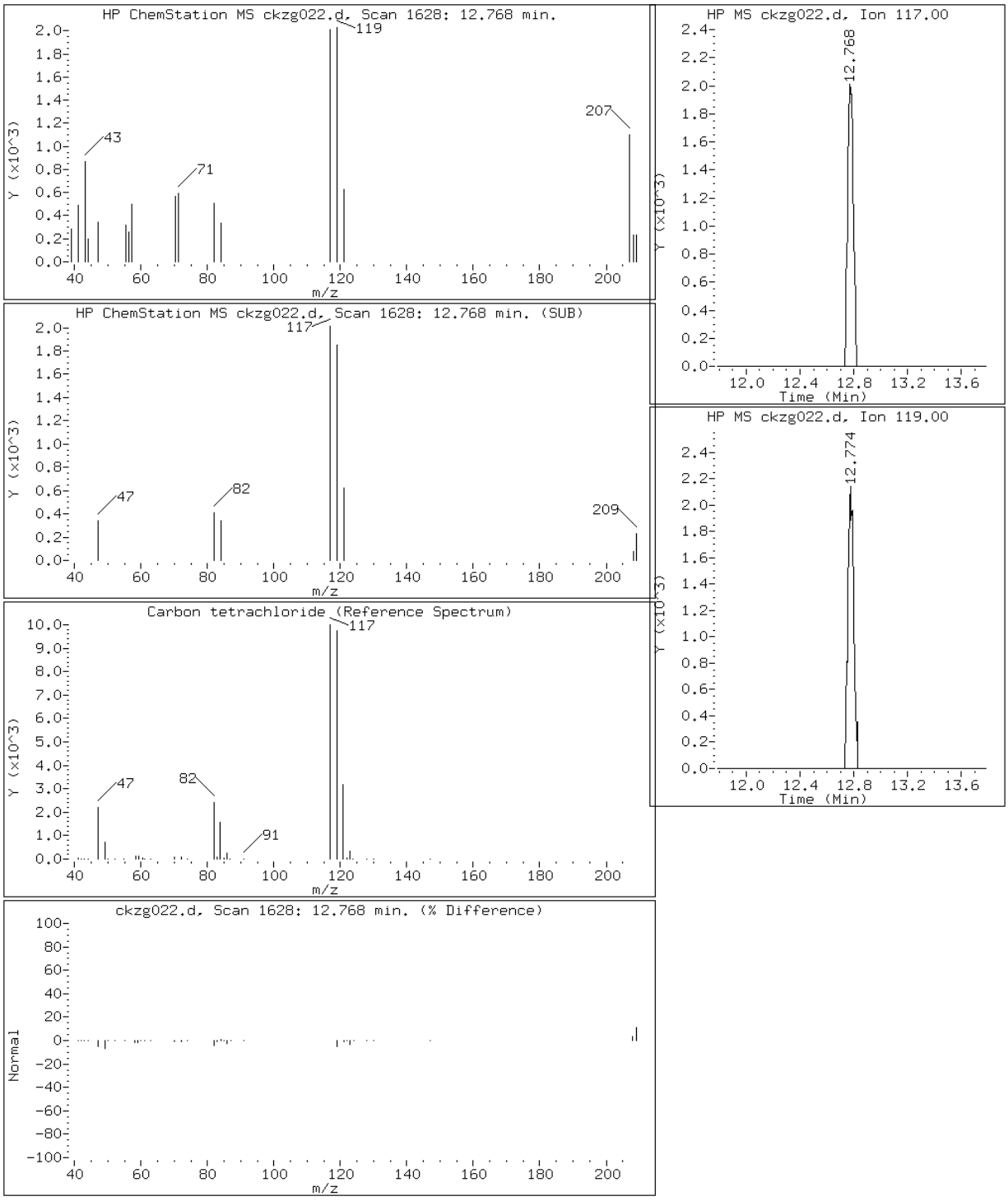
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

42 Carbon tetrachloride



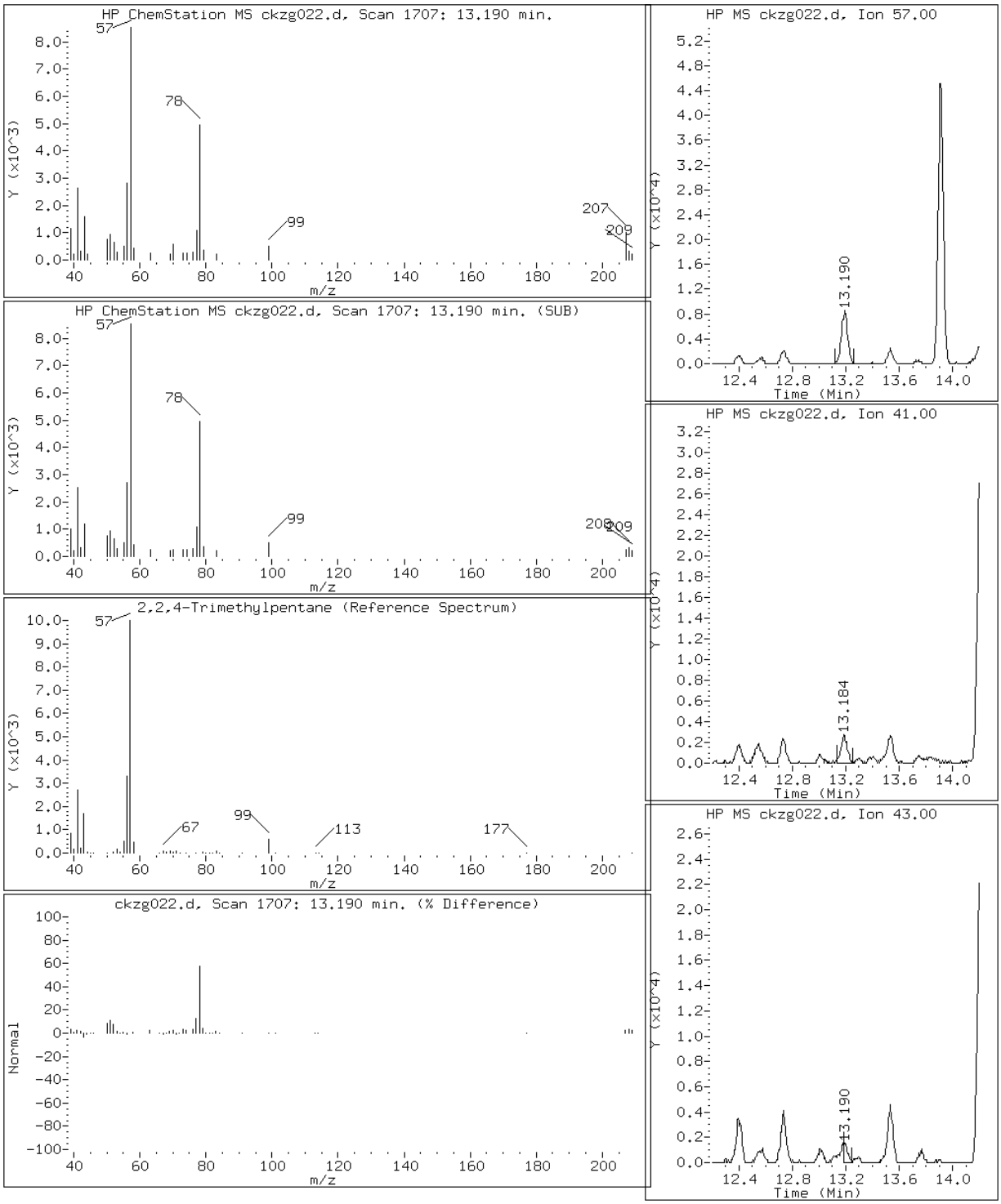
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

43 2,2,4-Trimethylpentane



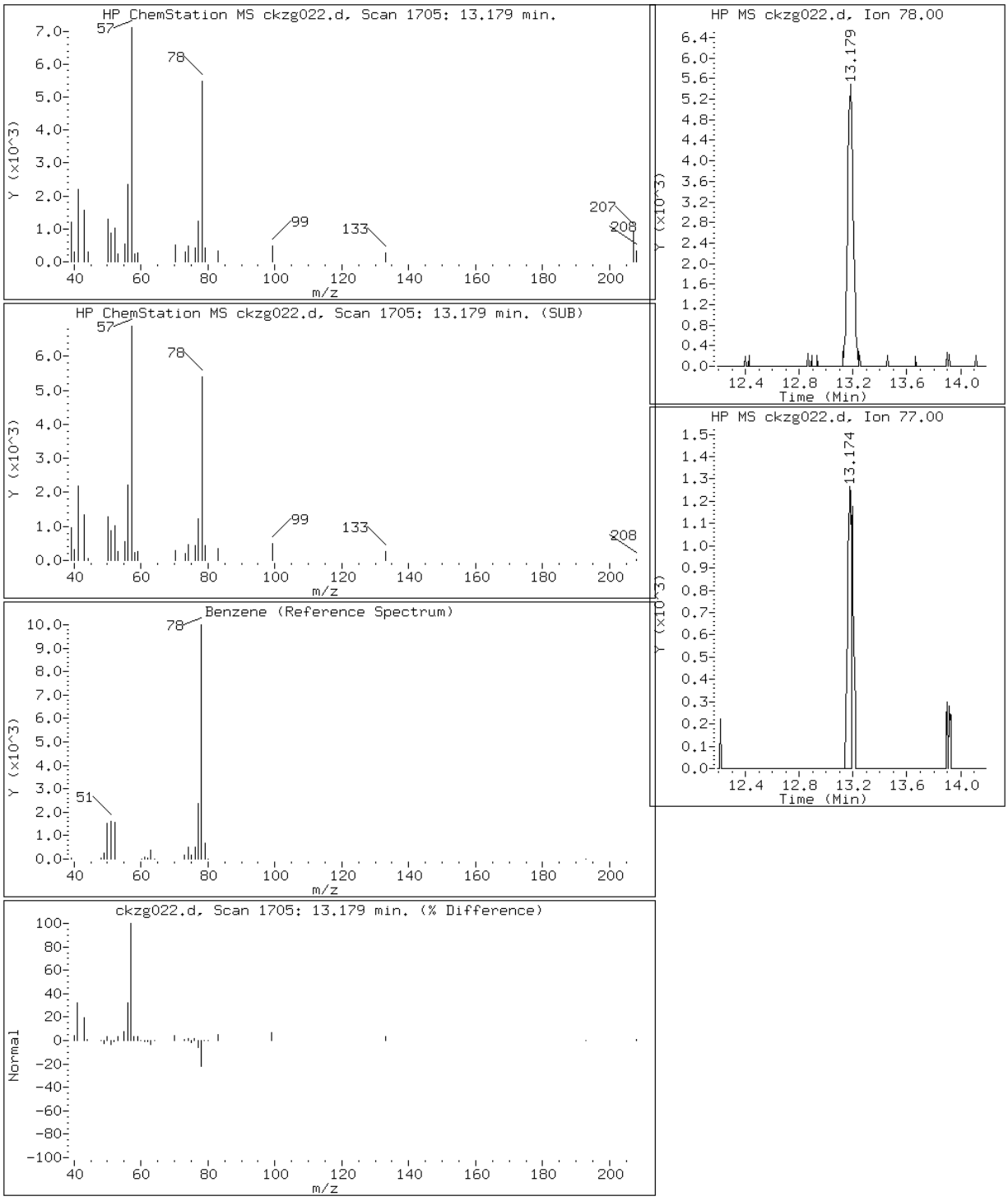
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

44 Benzene



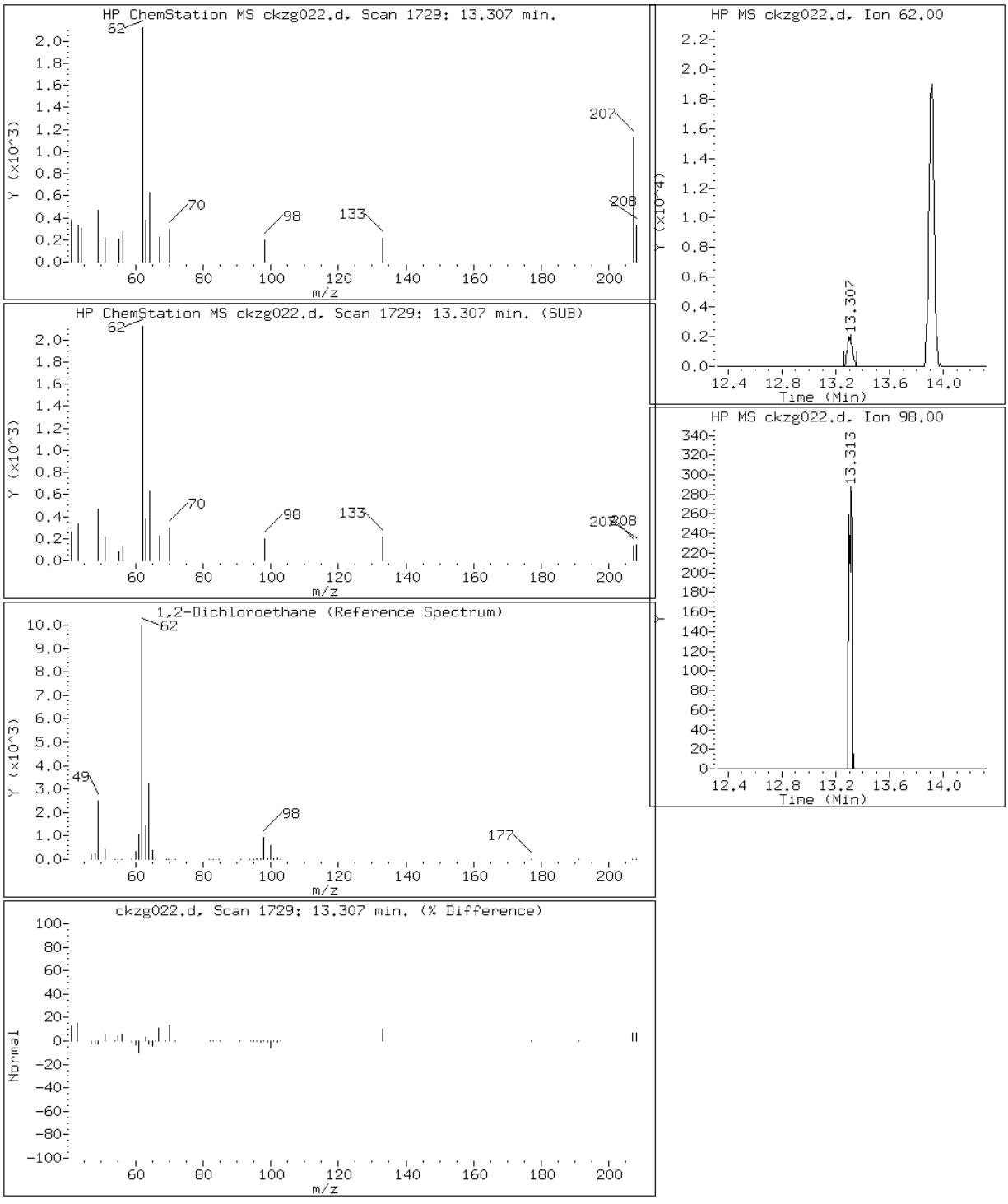
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

45 1,2-Dichloroethane



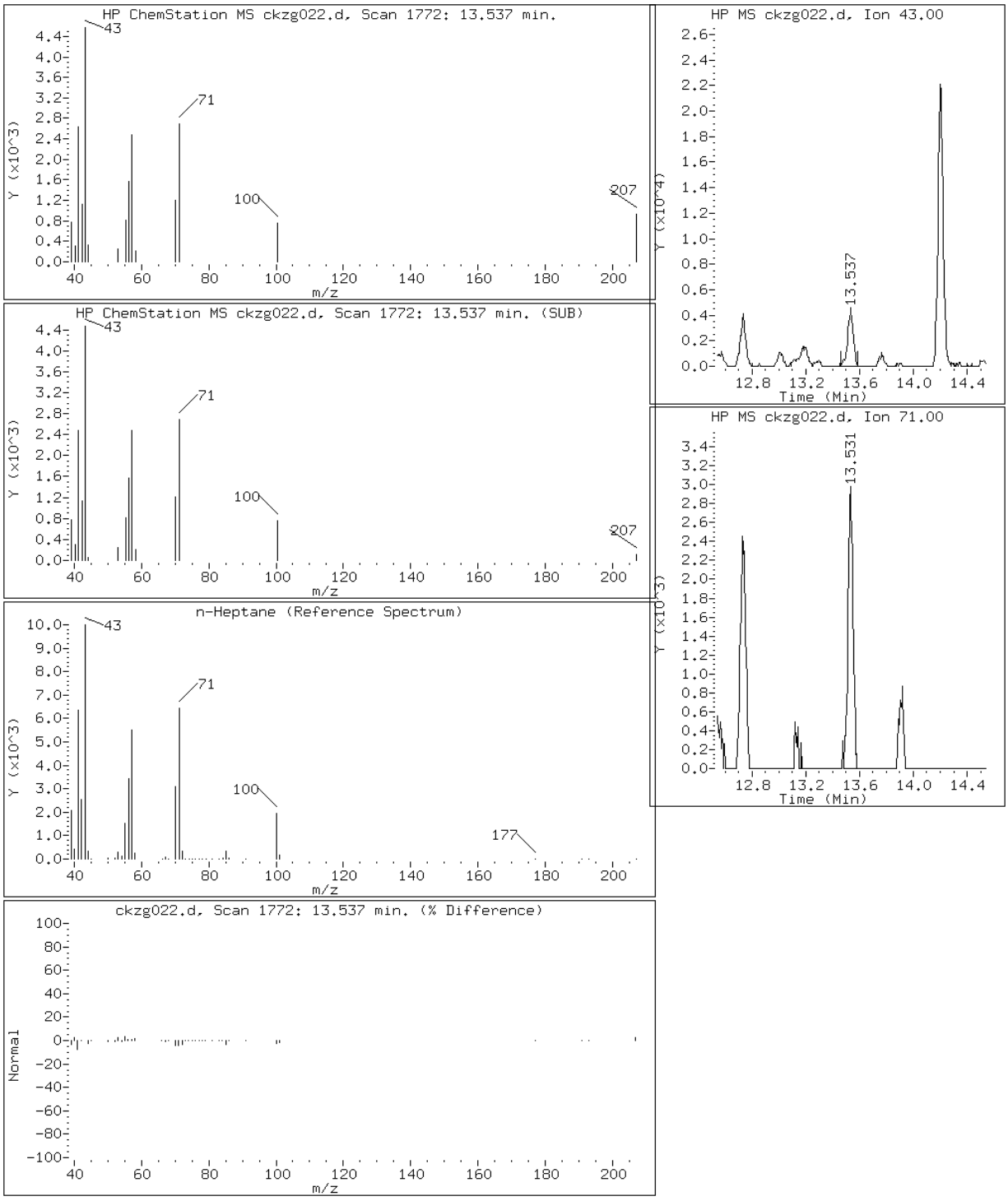
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

46 n-Heptane



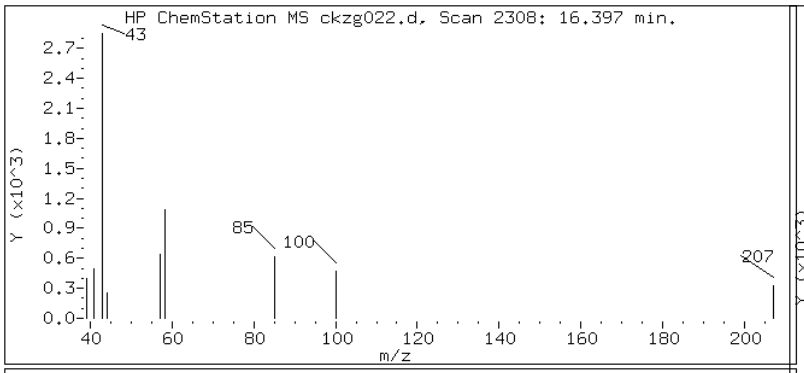
Data File: ckzg022.d

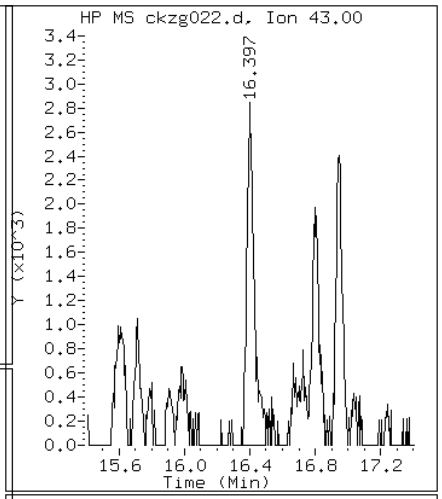
Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

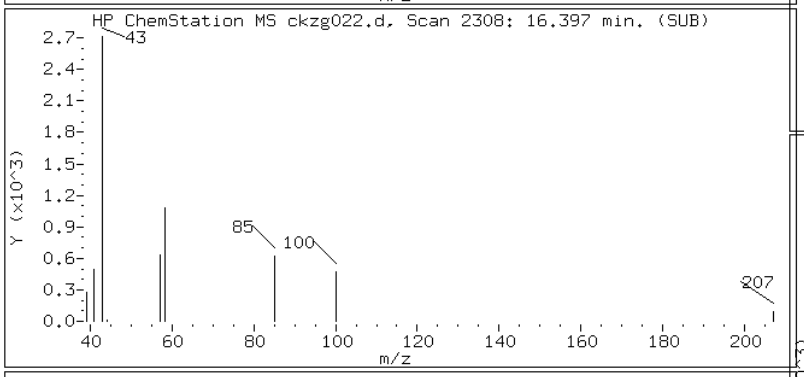
Client ID: 785IA07 Instrument: C.i

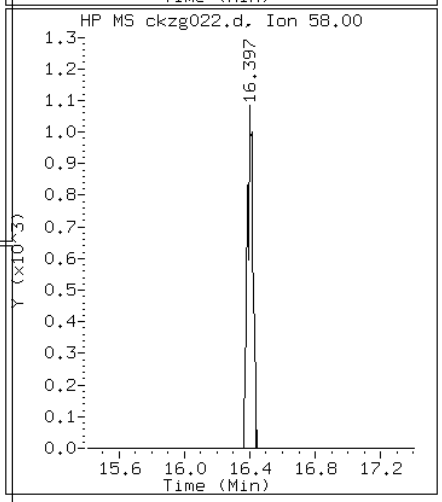
Sample Info: 280-32071-A-16 Operator: pad

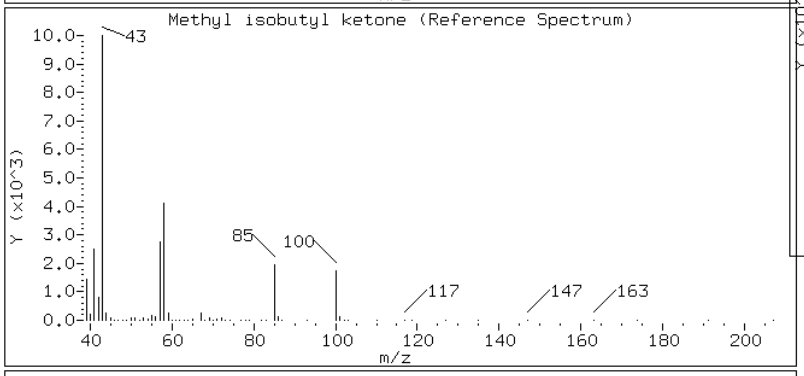
56 Methyl isobutyl ketone

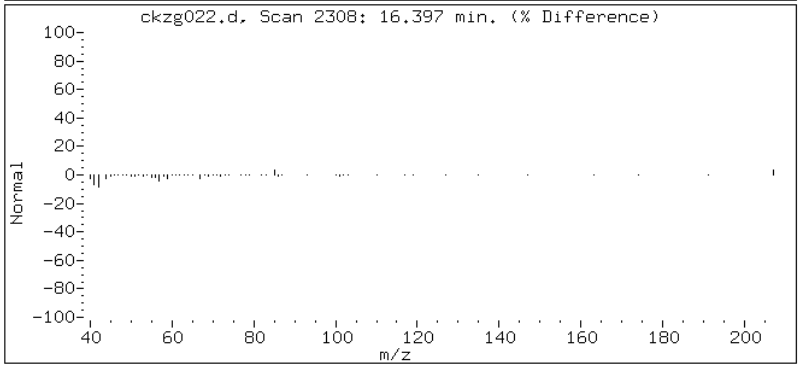












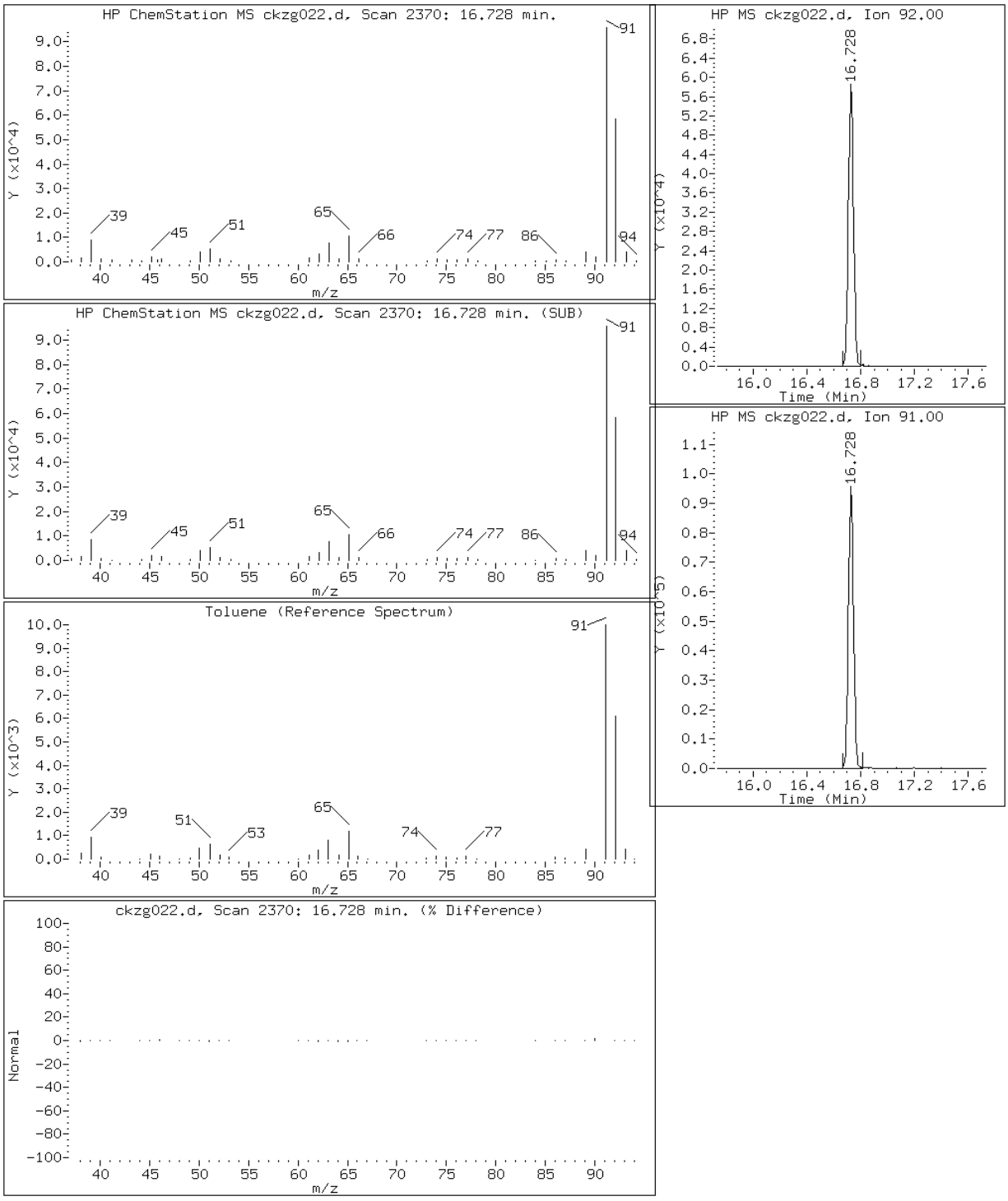
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

58 Toluene



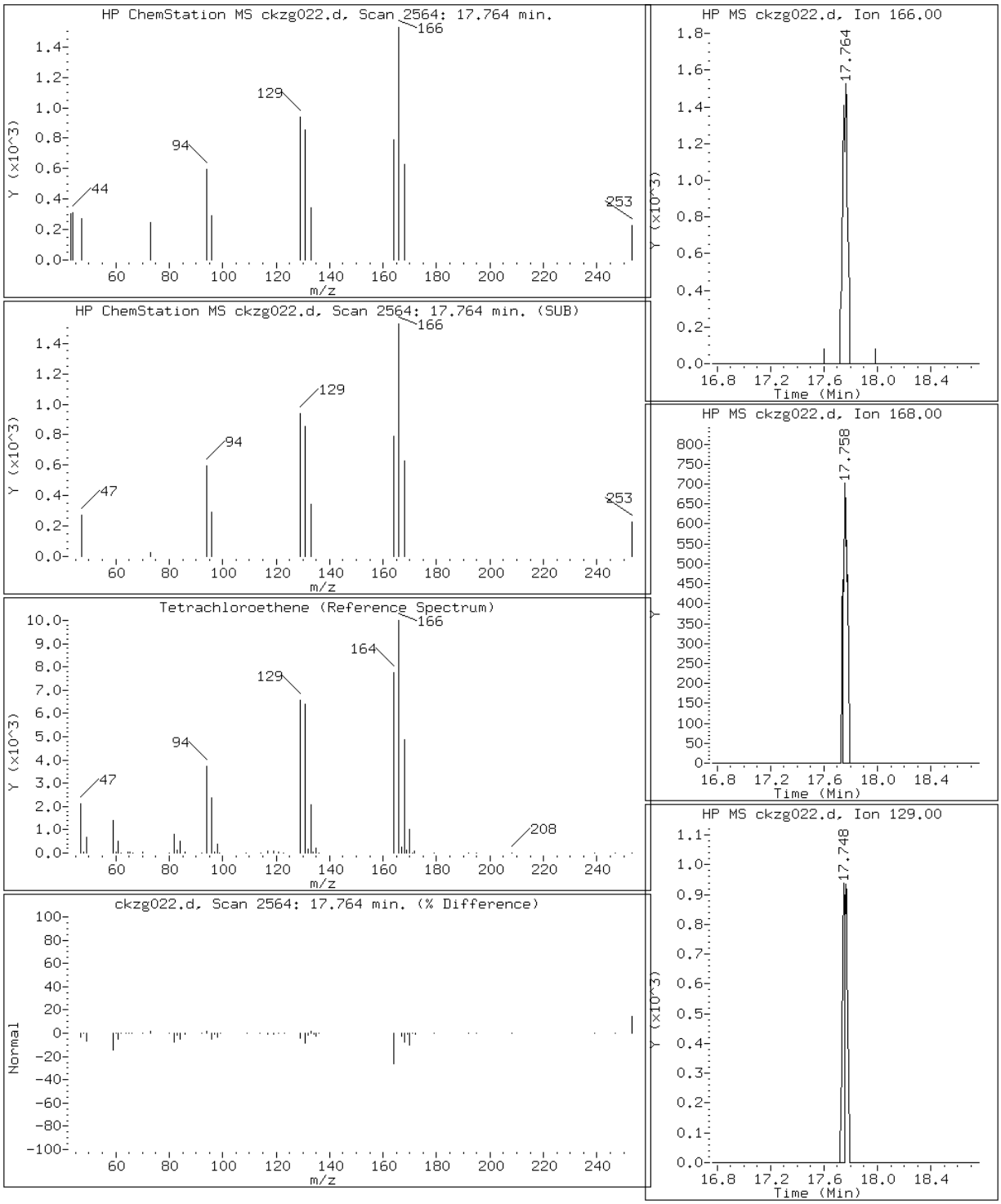
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

61 Tetrachloroethene



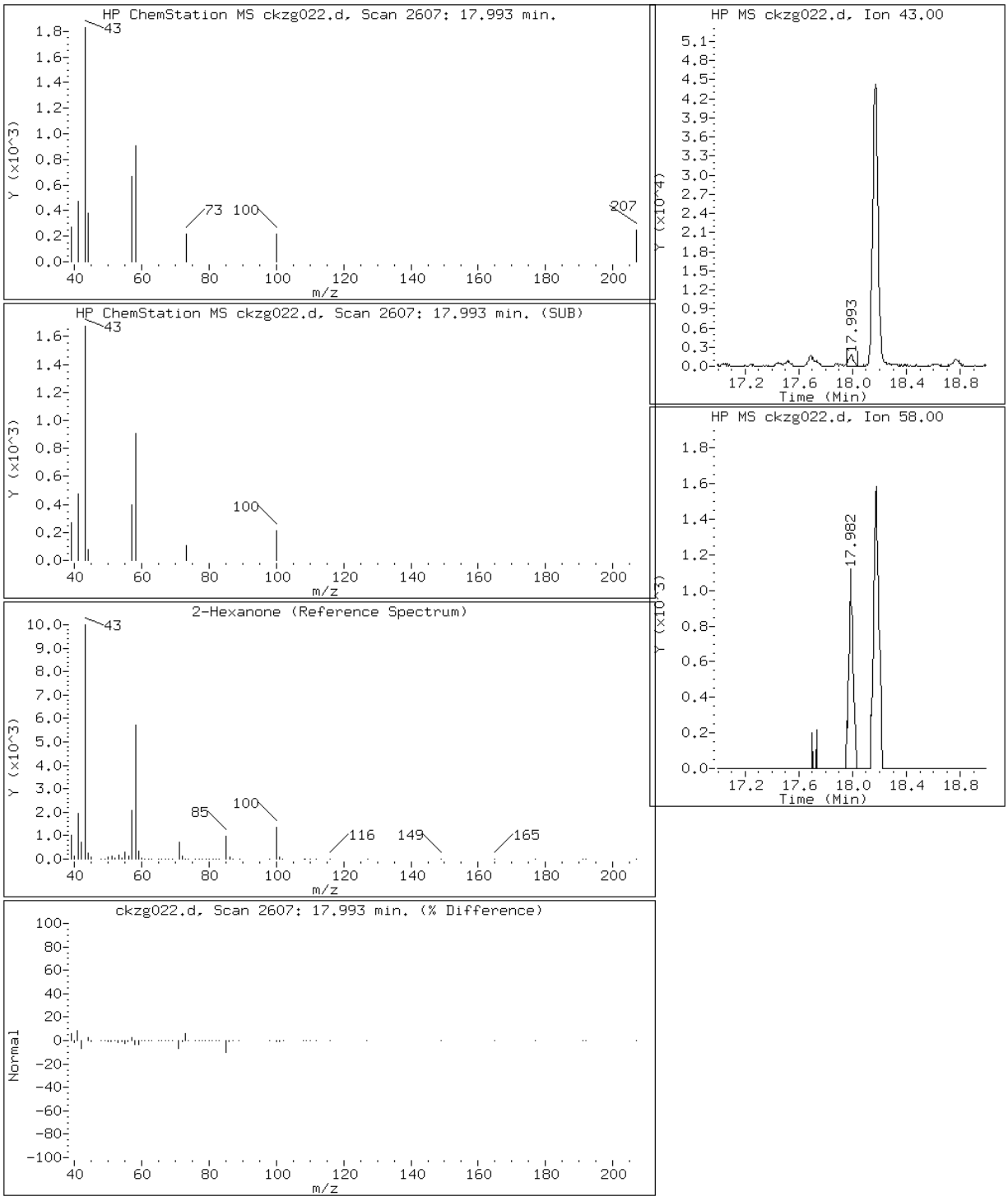
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

62 2-Hexanone



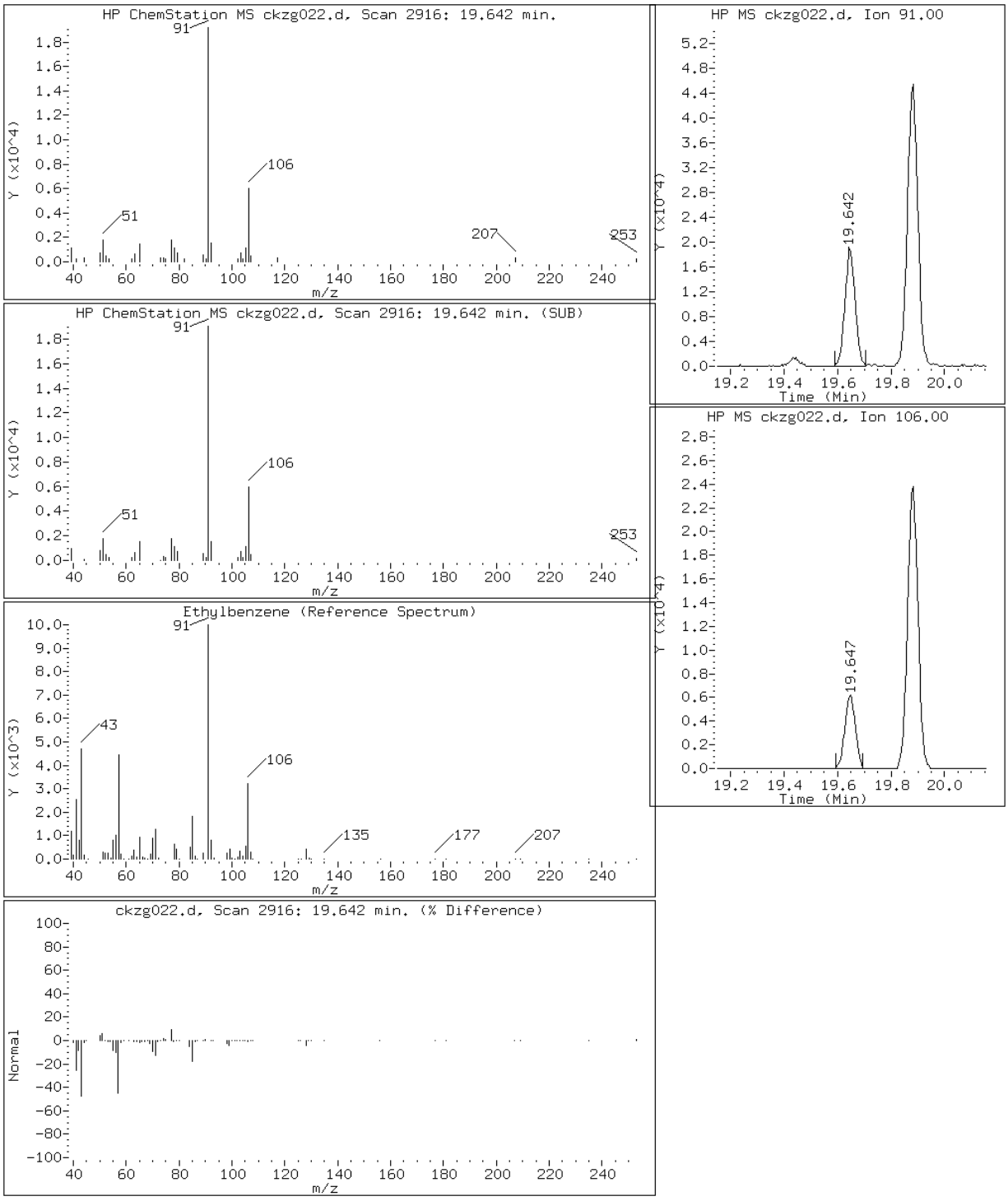
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

68 Ethylbenzene



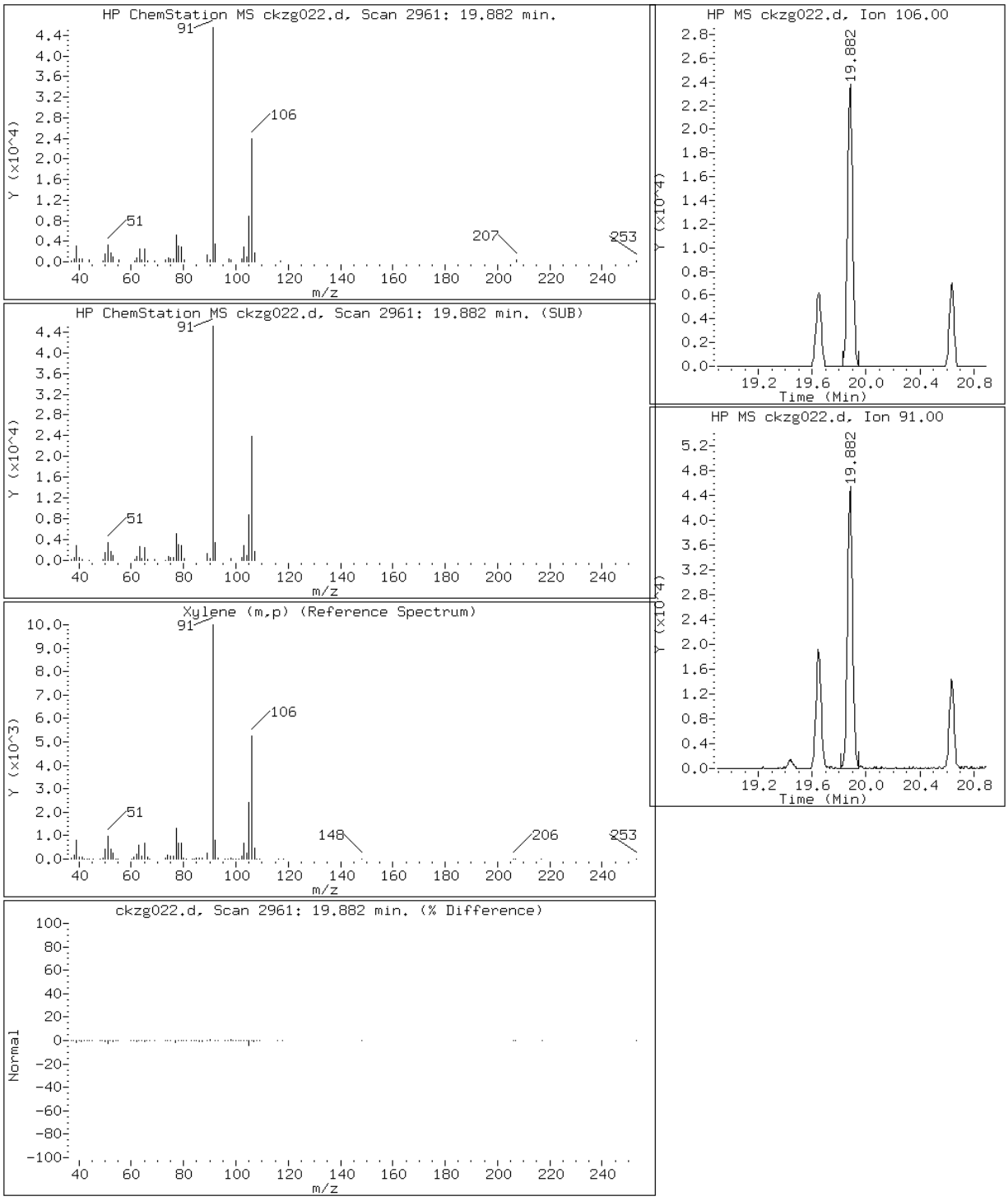
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

69 Xylene (m,p)



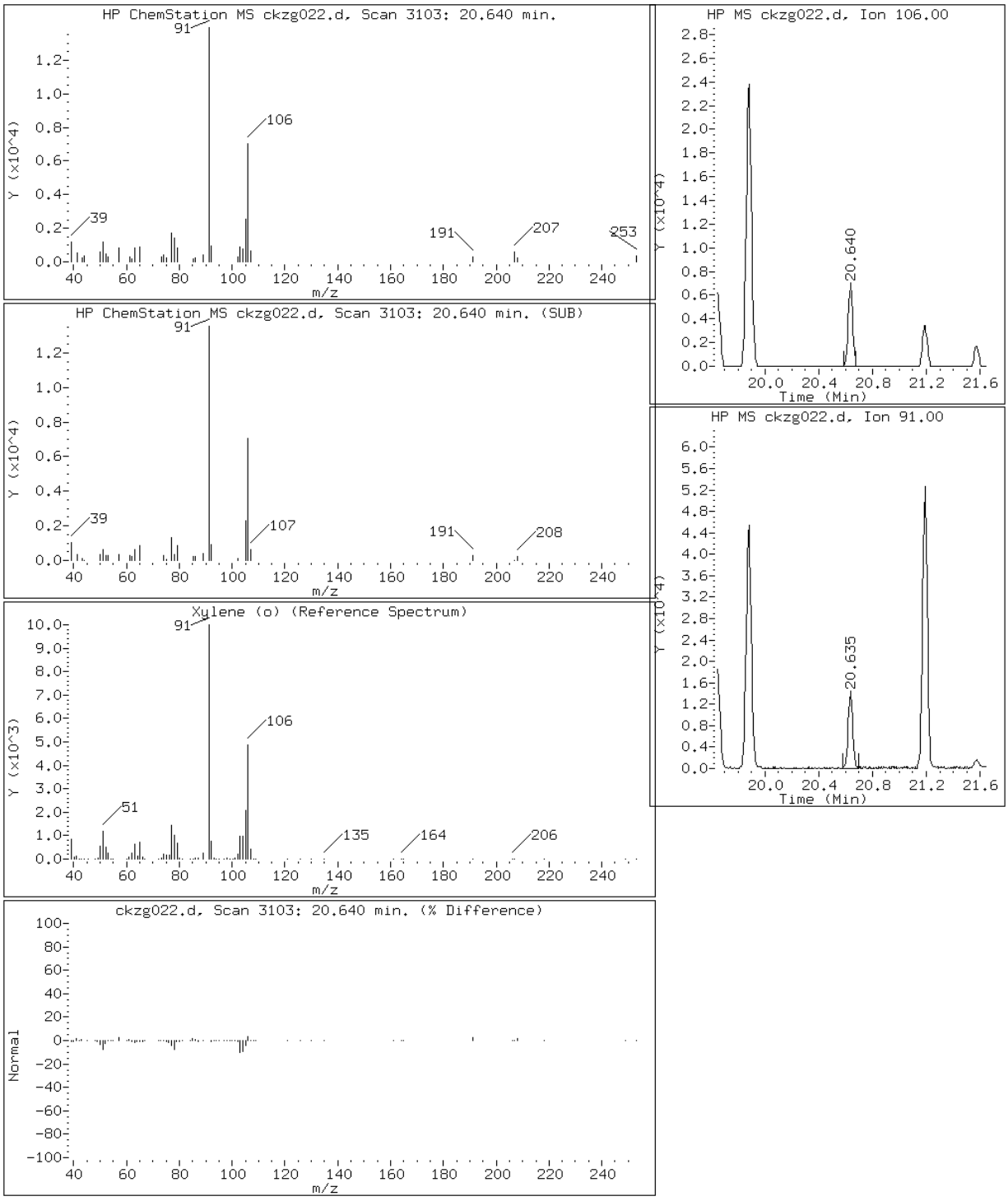
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

71 Xylene (o)



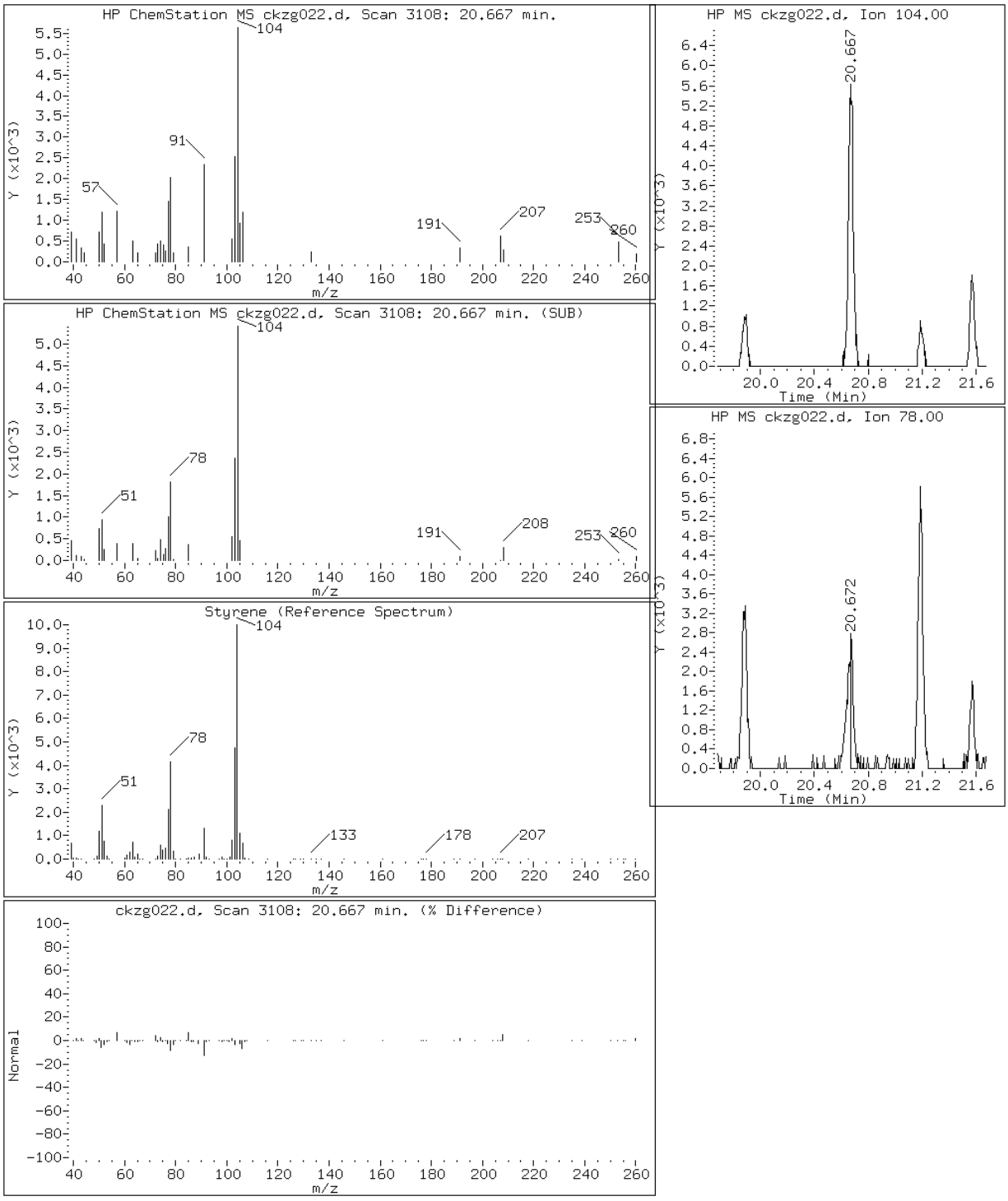
Data File: ckzg022.d

Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

Client ID: 785IA07 Instrument: C.i

Sample Info: 280-32071-A-16 Operator: pad

72 Styrene



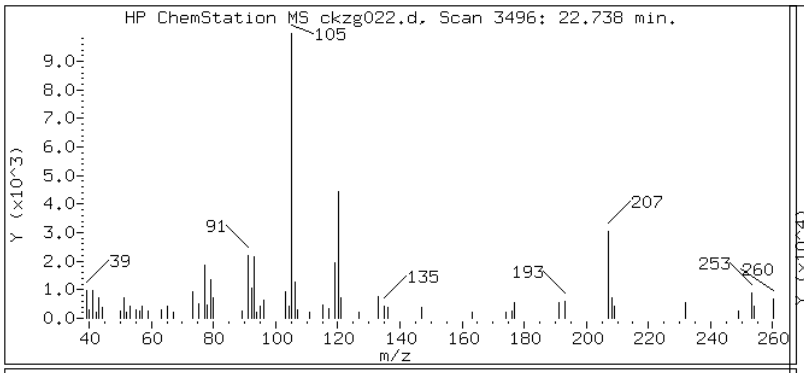
Data File: ckzg022.d

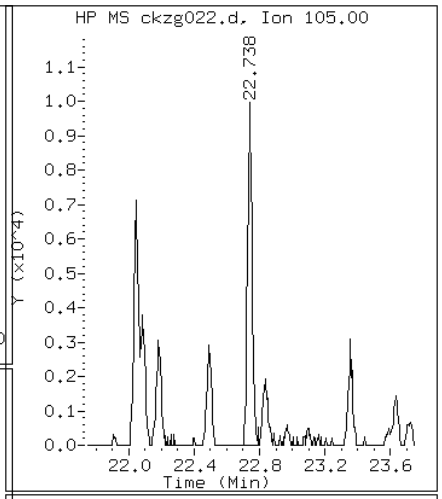
Lab Sample ID: 280-32071-16 Date: 23-AUG-2012 06:26

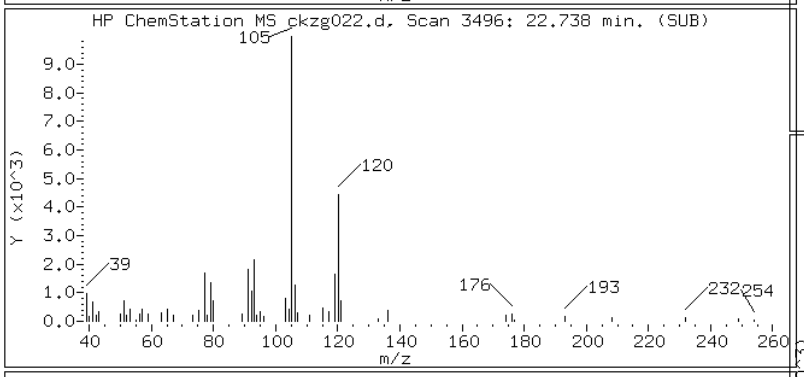
Client ID: 785IA07 Instrument: C.i

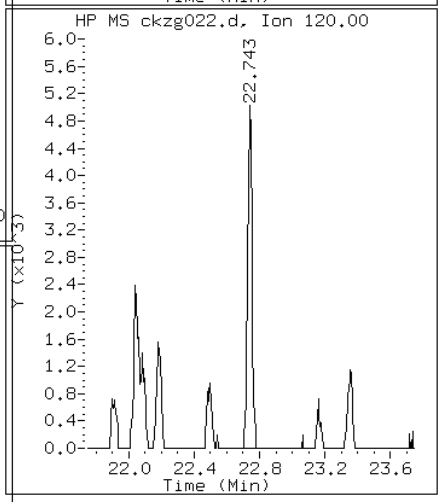
Sample Info: 280-32071-A-16 Operator: pad

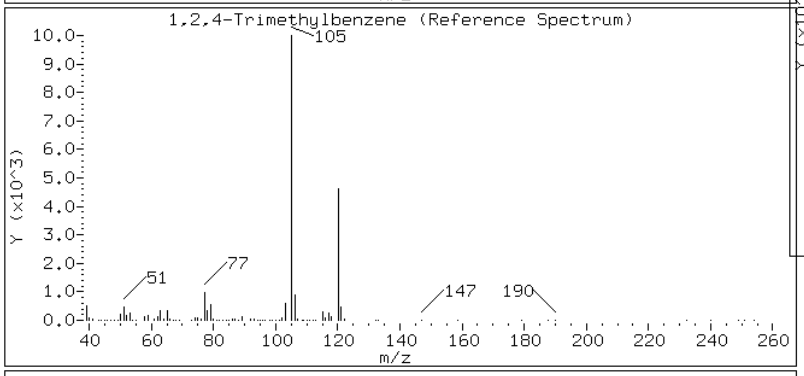
84 1,2,4-Trimethylbenzene

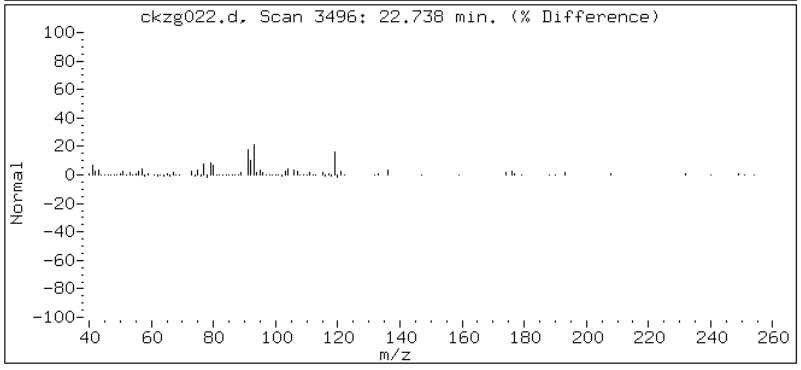












Manual Integration Report

Data File: ckzg022.d
Lab Sample ID: 280-32071-16
Inj. Date and Time: 23-AUG-2012 06:26
Instrument ID: C.i
Client ID: 785IA07
Compound: 61 Tetrachloroethene
CAS #: 127-18-4
Report Date: 08/28/2012

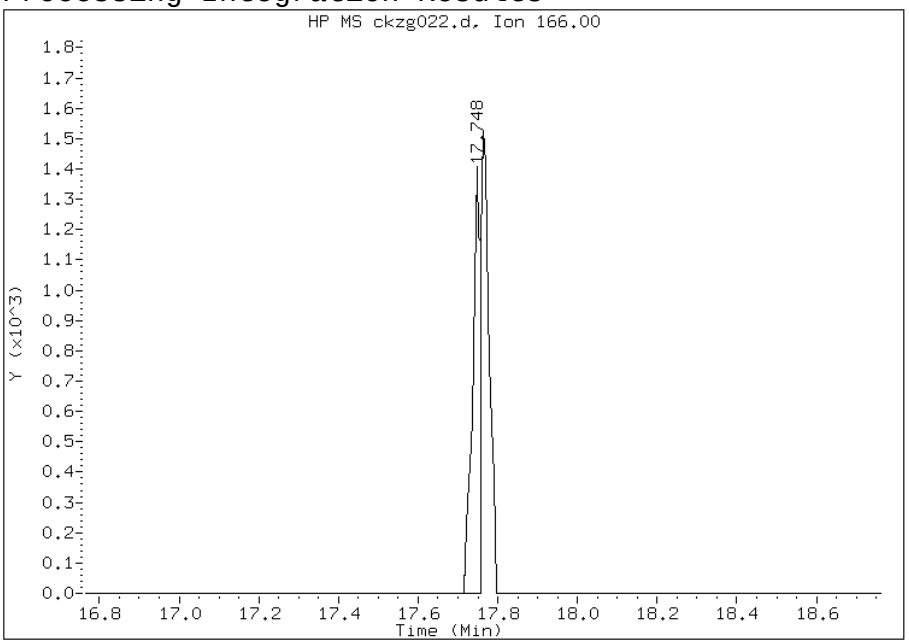
Processing Integration Results

RT: 17.75

Response: 2034

Amount: 0.026359

Conc: 0.026359



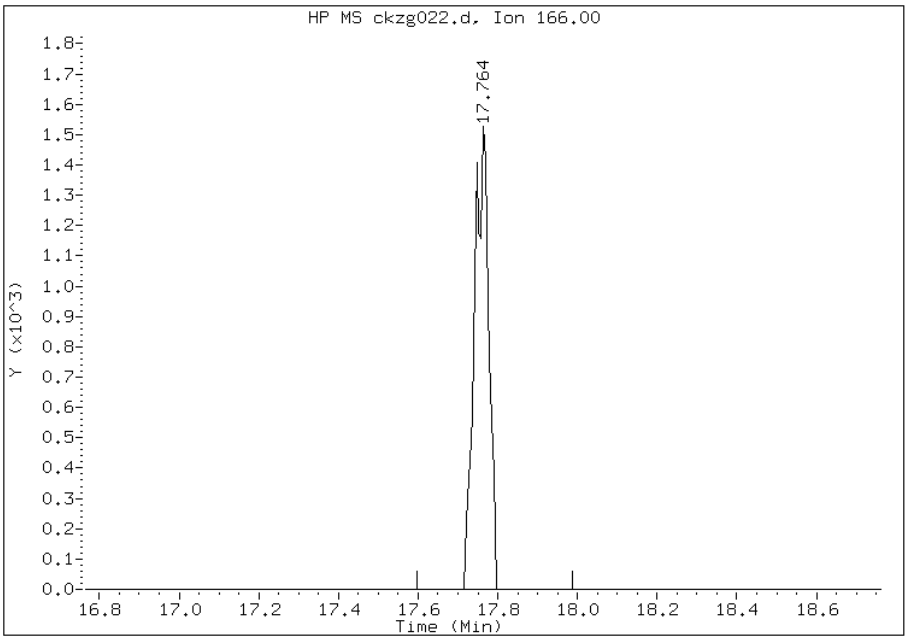
Manual Integration Results

RT: 17.76

Response: 3826

Amount: 0.049583

Conc: 0.049583



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786OA04 Lab Sample ID: 280-32071-17

Matrix: Air Lab File ID: ckzi006.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:50

Sample wt/vol: 100(mL) Date Analyzed: 08/27/2012 14:52

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.64	J	1.0	0.040
75-45-6	Freon 22	86.47	0.16	U	1.0	0.046
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.16	U	0.40	0.040
74-87-3	Chloromethane	50.49	0.60	J	1.0	0.068
106-97-8	n-Butane	58.12	13		1.0	0.044
75-01-4	Vinyl chloride	62.50	0.056	U	0.40	0.018
106-99-0	1,3-Butadiene	54.09	0.16	U	0.40	0.050
74-83-9	Bromomethane	94.94	0.16	U	0.40	0.054
75-00-3	Chloroethane	64.52	0.16	U	1.0	0.066
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.080	U	0.40	0.038
75-69-4	Trichlorofluoromethane	137.37	0.25	J	0.40	0.042
76-13-1	Freon TF	187.38	0.092	J	0.40	0.040
75-35-4	1,1-Dichloroethene	96.94	0.40	U	0.40	0.17
67-64-1	Acetone	58.08	64		10	0.80
67-63-0	Isopropyl alcohol	60.10	4.6	J	10	0.15
75-15-0	Carbon disulfide	76.14	0.25	J	1.0	0.040
107-05-1	3-Chloropropene	76.53	0.16	U	1.0	0.094
75-09-2	Methylene Chloride	84.93	0.68	J	1.0	0.046
75-65-0	tert-Butyl alcohol	74.12	0.60	J	10	0.082
1634-04-4	Methyl tert-butyl ether	88.15	0.080	U	0.40	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.40	0.046
110-54-3	n-Hexane	86.17	1.3		0.40	0.040
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.40	0.046
78-93-3	Methyl Ethyl Ketone	72.11	2.9		1.0	0.050
156-59-2	cis-1,2-Dichloroethene	96.94	0.40	U	0.40	0.17
540-59-0	1,2-Dichloroethene, Total	96.94	0.16	U	0.40	0.046
67-66-3	Chloroform	119.38	0.16	U	0.40	0.048
109-99-9	Tetrahydrofuran	72.11	2.0	J	10	0.058
71-55-6	1,1,1-Trichloroethane	133.41	0.16	U	0.40	0.040
110-82-7	Cyclohexane	84.16	0.44		0.40	0.038
56-23-5	Carbon tetrachloride	153.81	0.080	U	0.40	0.026
540-84-1	2,2,4-Trimethylpentane	114.23	0.12	J	0.40	0.030
71-43-2	Benzene	78.11	0.25	J	0.40	0.036
107-06-2	1,2-Dichloroethane	98.96	0.64		0.40	0.036

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786OA04 Lab Sample ID: 280-32071-17

Matrix: Air Lab File ID: ckzi006.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:50

Sample wt/vol: 100(mL) Date Analyzed: 08/27/2012 14:52

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.66		0.40	0.034
79-01-6	Trichloroethene	131.39	0.056	U	0.40	0.018
80-62-6	Methyl methacrylate	100.12	0.080	U	1.0	0.032
78-87-5	1,2-Dichloropropane	112.99	0.16	U	0.40	0.046
123-91-1	1,4-Dioxane	88.11	0.40	U	10	0.14
75-27-4	Bromodichloromethane	163.83	0.080	U	0.40	0.024
10061-01-5	cis-1,3-Dichloropropene	110.97	0.080	U	0.40	0.026
108-10-1	methyl isobutyl ketone	100.16	0.16	U	1.0	0.068
108-88-3	Toluene	92.14	4.4		0.40	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	0.080	U	0.40	0.030
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.40	0.032
127-18-4	Tetrachloroethene	165.83	0.25	J	0.40	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.28	J	1.0	0.080
124-48-1	Dibromochloromethane	208.29	0.080	U	0.40	0.022
106-93-4	1,2-Dibromoethane	187.87	0.080	U	0.40	0.028
108-90-7	Chlorobenzene	112.30	0.080	U	0.40	0.026
100-41-4	Ethylbenzene	106.17	0.31	J	0.40	0.030
179601-23-1	m,p-Xylene	106.17	0.88	J	1.0	0.044
95-47-6	Xylene, o-	106.17	0.31	J	0.40	0.032
1330-20-7	Xylene (total)	106.17	1.2		0.40	0.032
100-42-5	Styrene	104.15	0.17	J	0.40	0.022
75-25-2	Bromoform	252.75	0.056	U	0.40	0.014
98-82-8	Cumene	120.19	0.080	U	0.40	0.022
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.40	0.022
103-65-1	n-Propylbenzene	120.19	0.080	U	0.40	0.026
622-96-8	4-Ethyltoluene	120.20	0.080	U	0.40	0.030
108-67-8	1,3,5-Trimethylbenzene	120.20	0.080	U	0.40	0.038
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.080	U	0.40	0.022
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	J	0.40	0.042
135-98-8	sec-Butylbenzene	134.22	0.080	U	0.40	0.030
99-87-6	4-Isopropyltoluene	134.22	0.16	U	0.40	0.040
541-73-1	1,3-Dichlorobenzene	147.00	0.080	U	0.40	0.038
106-46-7	1,4-Dichlorobenzene	147.00	0.080	U	0.40	0.036

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786OA04 Lab Sample ID: 280-32071-17

Matrix: Air Lab File ID: ckzi006.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:50

Sample wt/vol: 100(mL) Date Analyzed: 08/27/2012 14:52

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	0.40	0.044
104-51-8	n-Butylbenzene	134.22	0.16	U	0.40	0.044
95-50-1	1,2-Dichlorobenzene	147.00	0.16	U	0.40	0.052
120-82-1	1,2,4-Trichlorobenzene	181.45	0.16	U	1.0	0.060
87-68-3	Hexachlorobutadiene	260.76	0.16	U	0.40	0.058
91-20-3	Naphthalene	128.17	0.21	J	1.0	0.076

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786OA04 Lab Sample ID: 280-32071-17

Matrix: Air Lab File ID: ckzi006.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:50

Sample wt/vol: 100(mL) Date Analyzed: 08/27/2012 14:52

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.2	J	4.9	0.20
75-45-6	Freon 22	86.47	0.57	U	3.5	0.16
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.1	U	2.8	0.28
74-87-3	Chloromethane	50.49	1.2	J	2.1	0.14
106-97-8	n-Butane	58.12	30		2.4	0.10
75-01-4	Vinyl chloride	62.50	0.14	U	1.0	0.047
106-99-0	1,3-Butadiene	54.09	0.35	U	0.88	0.11
74-83-9	Bromomethane	94.94	0.62	U	1.6	0.21
75-00-3	Chloroethane	64.52	0.42	U	2.6	0.17
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.35	U	1.7	0.17
75-69-4	Trichlorofluoromethane	137.37	1.4	J	2.2	0.24
76-13-1	Freon TF	187.38	0.70	J	3.1	0.31
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.68
67-64-1	Acetone	58.08	150		24	1.9
67-63-0	Isopropyl alcohol	60.10	11	J	25	0.37
75-15-0	Carbon disulfide	76.14	0.78	J	3.1	0.12
107-05-1	3-Chloropropene	76.53	0.50	U	3.1	0.29
75-09-2	Methylene Chloride	84.93	2.4	J	3.5	0.16
75-65-0	tert-Butyl alcohol	74.12	1.8	J	30	0.25
1634-04-4	Methyl tert-butyl ether	88.15	0.29	U	1.4	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.63	U	1.6	0.18
110-54-3	n-Hexane	86.17	4.4		1.4	0.14
75-34-3	1,1-Dichloroethane	98.96	0.65	U	1.6	0.19
78-93-3	Methyl Ethyl Ketone	72.11	8.6		2.9	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.67
540-59-0	1,2-Dichloroethene, Total	96.94	0.63	U	1.6	0.18
67-66-3	Chloroform	119.38	0.78	U	2.0	0.23
109-99-9	Tetrahydrofuran	72.11	5.9	J	29	0.17
71-55-6	1,1,1-Trichloroethane	133.41	0.87	U	2.2	0.22
110-82-7	Cyclohexane	84.16	1.5		1.4	0.13
56-23-5	Carbon tetrachloride	153.81	0.50	U	2.5	0.16
540-84-1	2,2,4-Trimethylpentane	114.23	0.56	J	1.9	0.14
71-43-2	Benzene	78.11	0.80	J	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	2.6		1.6	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786OA04 Lab Sample ID: 280-32071-17

Matrix: Air Lab File ID: ckzi006.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:50

Sample wt/vol: 100(mL) Date Analyzed: 08/27/2012 14:52

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	2.7		1.6	0.14
79-01-6	Trichloroethene	131.39	0.30	U	2.1	0.099
80-62-6	Methyl methacrylate	100.12	0.33	U	4.1	0.13
78-87-5	1,2-Dichloropropane	112.99	0.74	U	1.8	0.21
123-91-1	1,4-Dioxane	88.11	1.4	U	36	0.50
75-27-4	Bromodichloromethane	163.83	0.54	U	2.7	0.16
10061-01-5	cis-1,3-Dichloropropene	110.97	0.36	U	1.8	0.12
108-10-1	methyl isobutyl ketone	100.16	0.66	U	4.1	0.28
108-88-3	Toluene	92.14	17		1.5	0.11
10061-02-6	trans-1,3-Dichloropropene	110.97	0.36	U	1.8	0.14
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	2.2	0.17
127-18-4	Tetrachloroethene	165.83	1.7	J	2.7	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.1	J	4.1	0.33
124-48-1	Dibromochloromethane	208.29	0.68	U	3.4	0.19
106-93-4	1,2-Dibromoethane	187.87	0.61	U	3.1	0.22
108-90-7	Chlorobenzene	112.30	0.37	U	1.8	0.12
100-41-4	Ethylbenzene	106.17	1.4	J	1.7	0.13
179601-23-1	m,p-Xylene	106.17	3.8	J	4.3	0.19
95-47-6	Xylene, o-	106.17	1.3	J	1.7	0.14
1330-20-7	Xylene (total)	106.17	5.1		1.7	0.14
100-42-5	Styrene	104.15	0.74	J	1.7	0.094
75-25-2	Bromoform	252.75	0.58	U	4.1	0.15
98-82-8	Cumene	120.19	0.39	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	2.7	0.15
103-65-1	n-Propylbenzene	120.19	0.39	U	2.0	0.13
622-96-8	4-Ethyltoluene	120.20	0.39	U	2.0	0.15
108-67-8	1,3,5-Trimethylbenzene	120.20	0.39	U	2.0	0.19
95-49-8	2-Chlorotoluene	126.59	0.41	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	0.44	U	2.2	0.12
95-63-6	1,2,4-Trimethylbenzene	120.20	0.73	J	2.0	0.21
135-98-8	sec-Butylbenzene	134.22	0.44	U	2.2	0.16
99-87-6	4-Isopropyltoluene	134.22	0.88	U	2.2	0.22
541-73-1	1,3-Dichlorobenzene	147.00	0.48	U	2.4	0.23
106-46-7	1,4-Dichlorobenzene	147.00	0.48	U	2.4	0.22

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785786OA04 Lab Sample ID: 280-32071-17

Matrix: Air Lab File ID: ckzi006.d

Analysis Method: TO-15 Date Collected: 08/08/2012 11:50

Sample wt/vol: 100(mL) Date Analyzed: 08/27/2012 14:52

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.83	U	2.1	0.23
104-51-8	n-Butylbenzene	134.22	0.88	U	2.2	0.24
95-50-1	1,2-Dichlorobenzene	147.00	0.96	U	2.4	0.31
120-82-1	1,2,4-Trichlorobenzene	181.45	1.2	U	7.4	0.45
87-68-3	Hexachlorobutadiene	260.76	1.7	U	4.3	0.62
91-20-3	Naphthalene	128.17	1.1	J	5.2	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-17
Client Smp ID: 785786OA04
Inj Date : 27-AUG-2012 14:52
Operator : wrd Inst ID: C.i
Smp Info : 280-32071-A-17
Misc Info : 100,2,all74
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/to15v5.m
Meth Date : 28-Aug-2012 14:46 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	100.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	27297	0.32082	0.64(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.805	4.811	(0.398)	7163	0.30188	0.60(a)
6 Butane	43	5.067	5.078	(0.420)	263569	6.28015	13
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.567)	11111	0.12382	0.25(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.024	8.034	(0.665)	2872	0.04577	0.092(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.237	8.269	(0.682)	1090038	31.9452	64

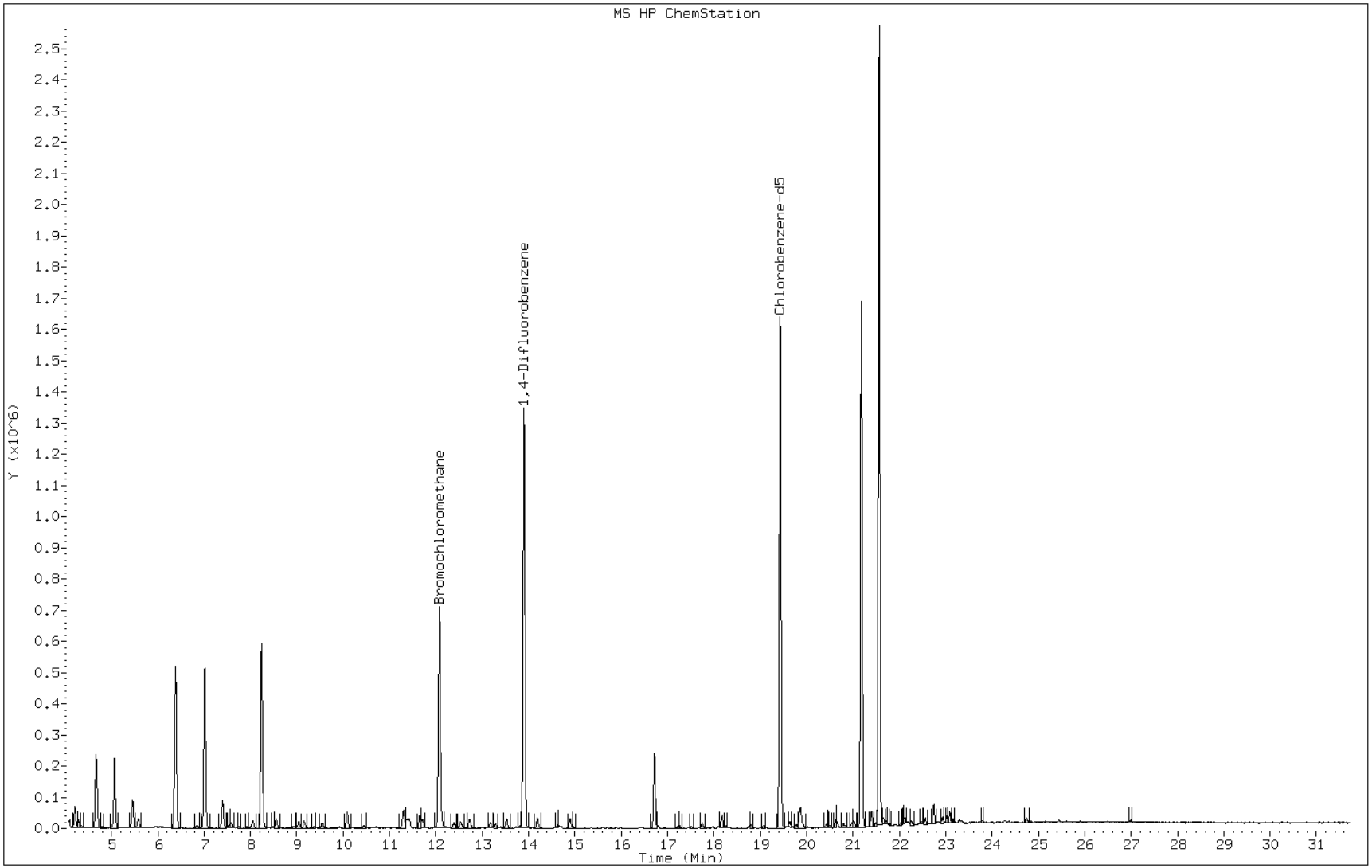
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.493	8.509	(0.703)	10357	0.12521	0.25(a)
	22 Isopropanol	45	8.552	8.573	(0.708)	55244	2.30436	4.6(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.160	9.177	(0.759)	9925	0.34097	0.68(a)
	26 Tert-butyl alcohol	59	9.374	9.390	(0.776)	10959	0.30053	0.60(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.089	10.105	(0.836)	29469	0.62837	1.3
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.647	11.674	(0.965)	18853	1.45412	2.9(Q)
*	37 Bromochloromethane	128	12.074	12.096	(1.000)	309889	10.0000	
	38 Tetrahydrofuran	42	12.128	12.139	(0.872)	26761	0.99630	2.0(a)
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	12.533	12.544	(0.901)	10619	0.22157	0.44(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	13.184	13.201	(0.948)	8958	0.05944	0.12(a)
	44 Benzene	78	13.168	13.190	(0.947)	12621	0.12472	0.25(a)
	45 1,2-Dichloroethane	62	13.291	13.318	(0.956)	14557	0.31982	0.64
	46 n-Heptane	43	13.531	13.542	(0.973)	17849	0.33138	0.66
*	47 1,4-Difluorobenzene	114	13.905	13.921	(1.000)	1708621	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	16.717	16.734	(0.860)	168039	2.19274	4.4
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.747	17.764	(0.913)	9051	0.12527	0.25(aQ)
	62 2-Hexanone	43	17.972	17.993	(0.925)	6183	0.13851	0.28(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.429	19.450	(1.000)	1598536	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.637	19.653	(1.011)	25259	0.15670	0.31(a)
	69 Xylene (m,p)	106	19.866	19.893	(1.023)	29388	0.43761	0.88(a)
M	70 Xylenes, Total	106				39454	0.59243	1.2
	71 Xylene (o)	106	20.635	20.646	(1.062)	10066	0.15482	0.31(a)
	72 Styrene	104	20.656	20.678	(1.063)	7998	0.08699	0.17(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.732	22.748	(1.170)	11253	0.07407	0.15(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	26.996	27.012	(1.389)	9132	0.10338	0.21(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzi006.d	Date:	27-AUG-2012 14:52
Client ID:	785786OA04	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-17		
Lab Sample ID:	280-32071-17		



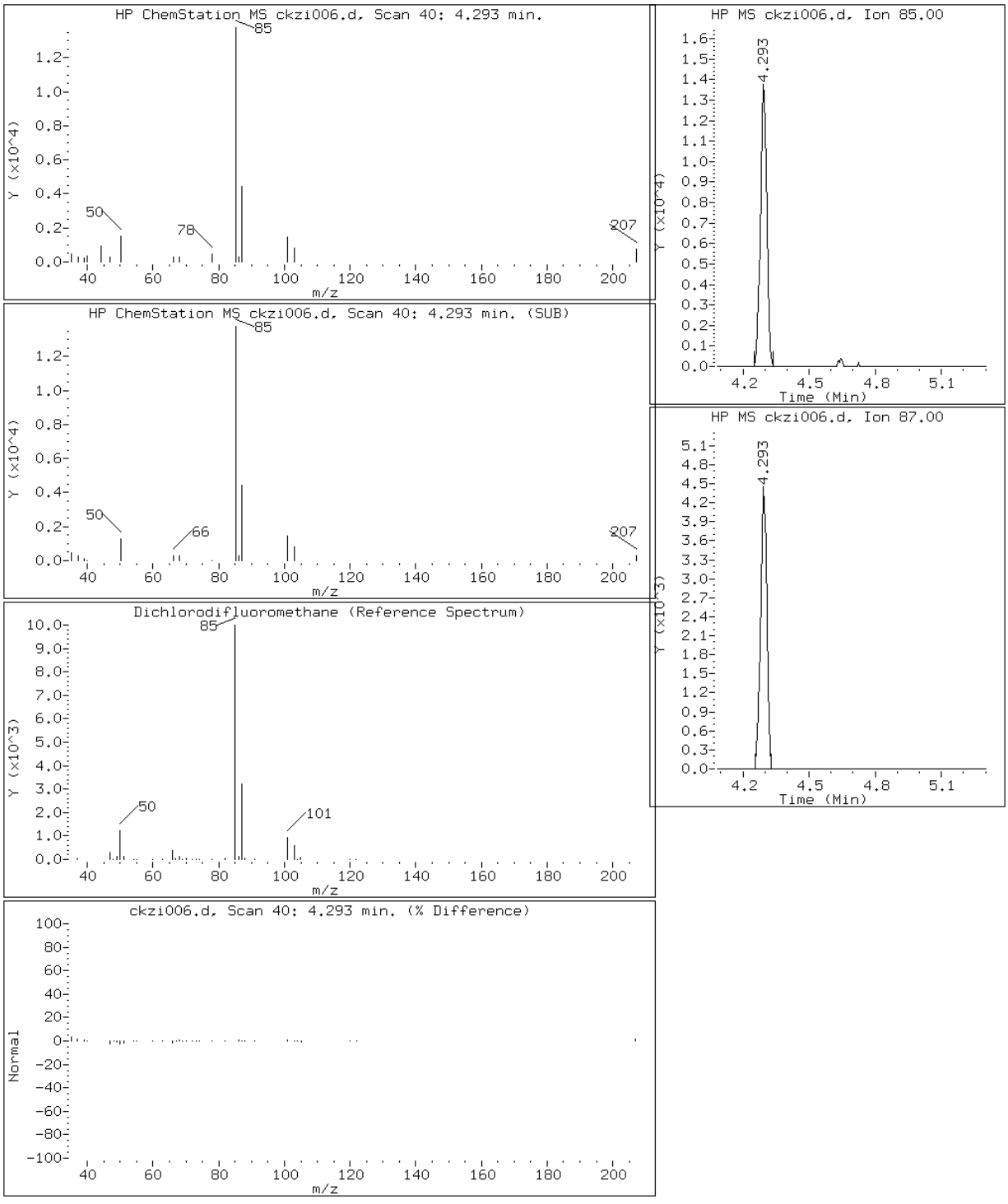
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

2 Dichlorodifluoromethane



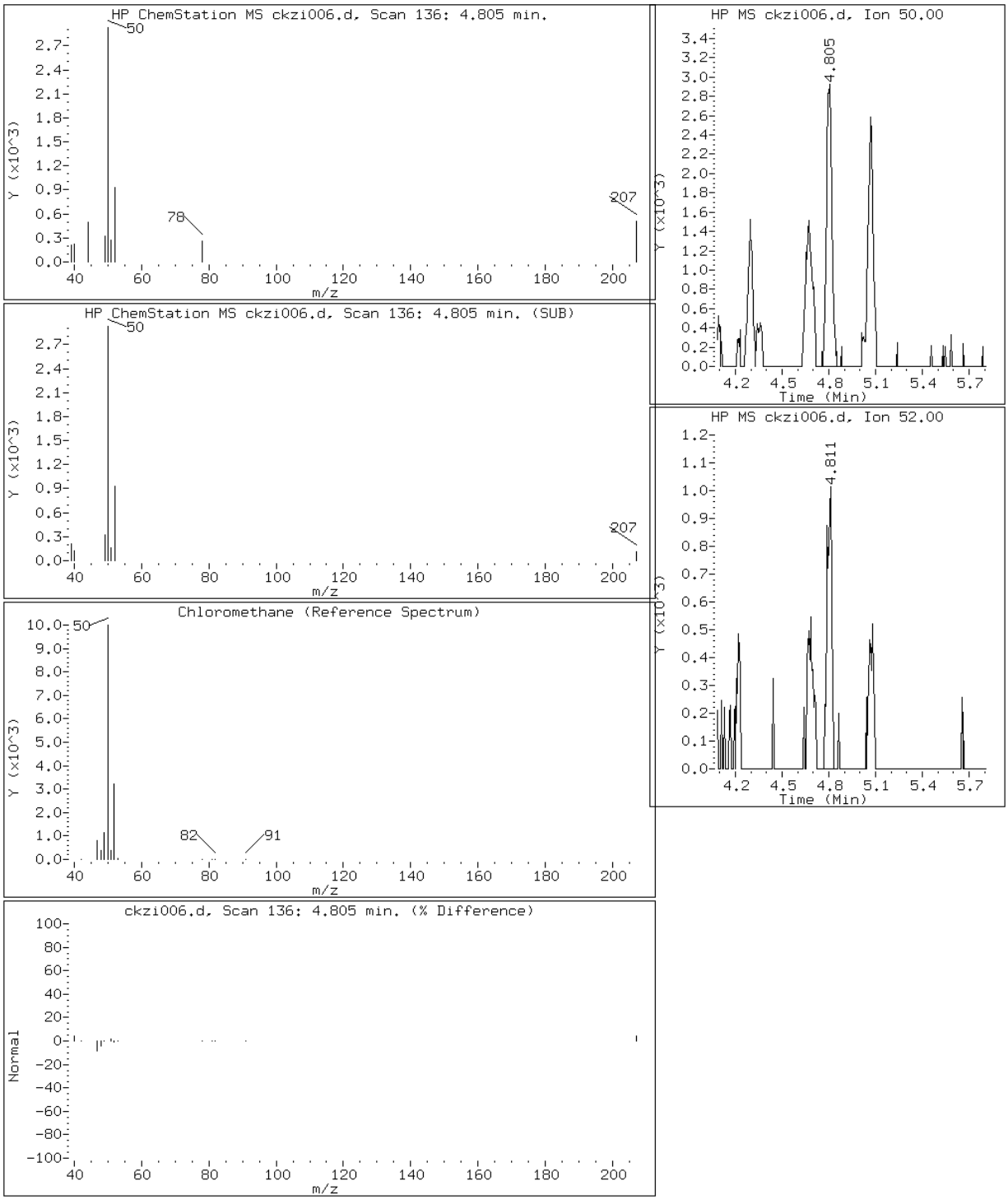
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

5 Chloromethane



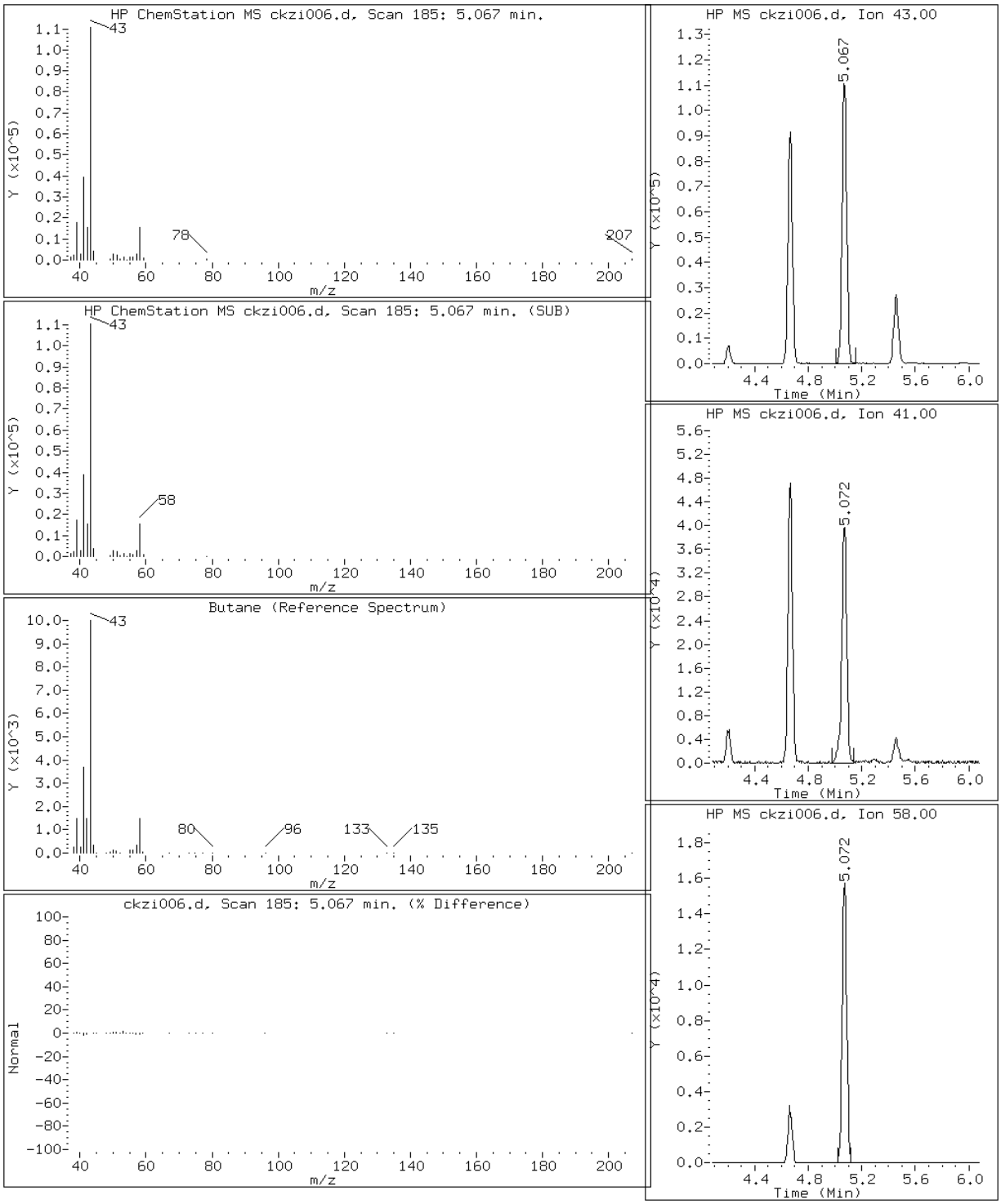
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

6 Butane



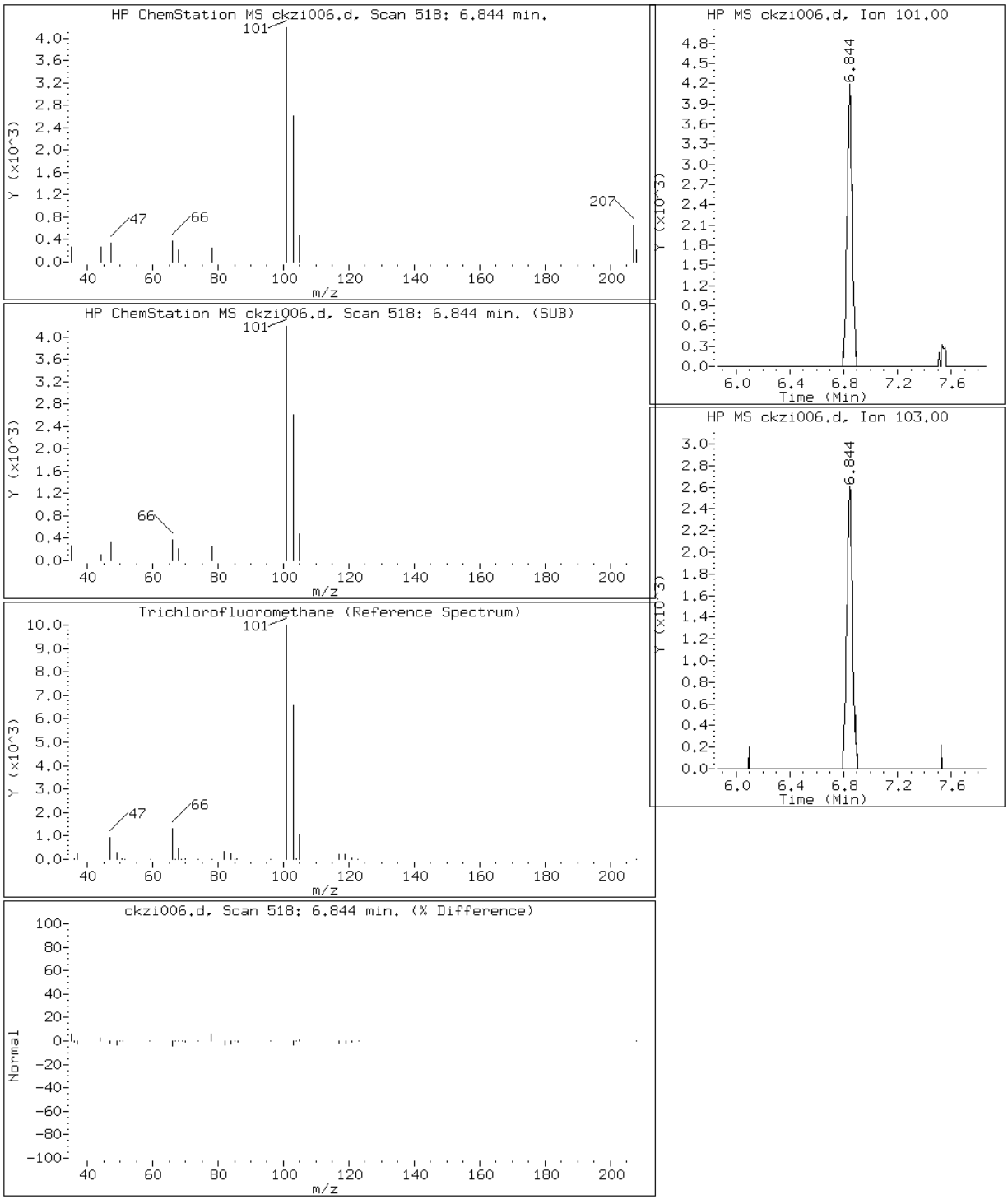
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

13 Trichlorofluoromethane



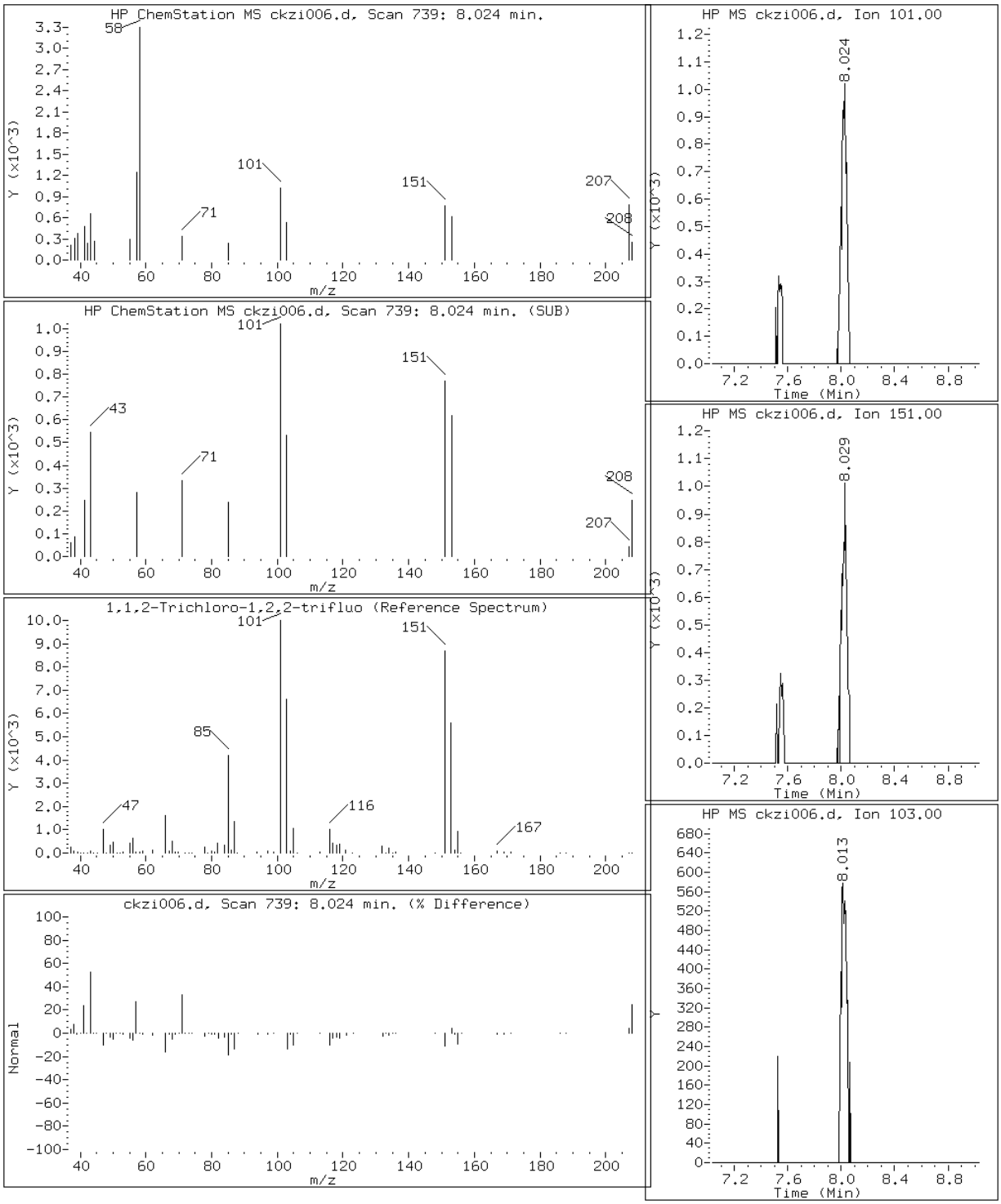
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

17 1,1,2-Trichloro-1,2,2-trifluo



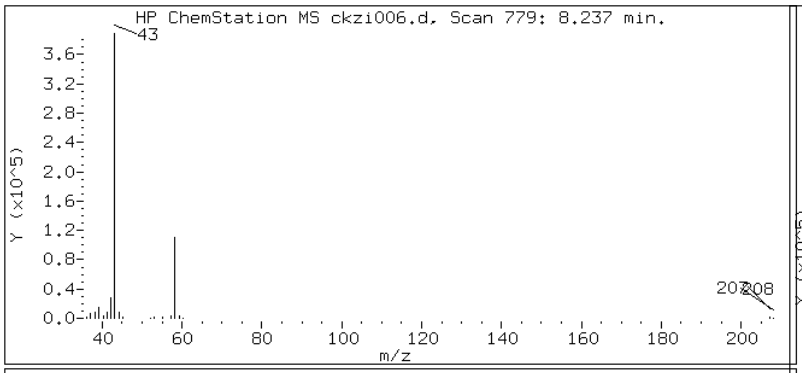
Data File: ckzi006.d

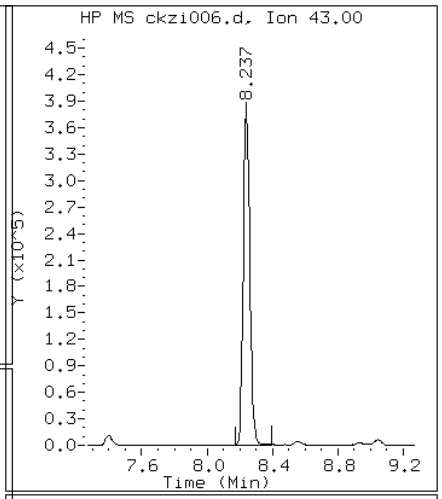
Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

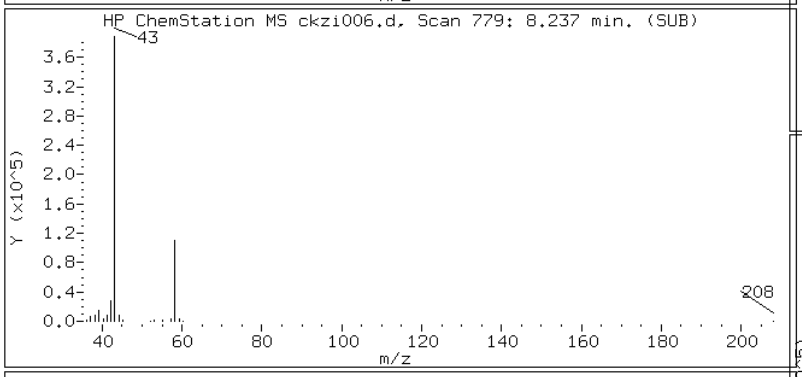
Client ID: 785786OA04 Instrument: C.i

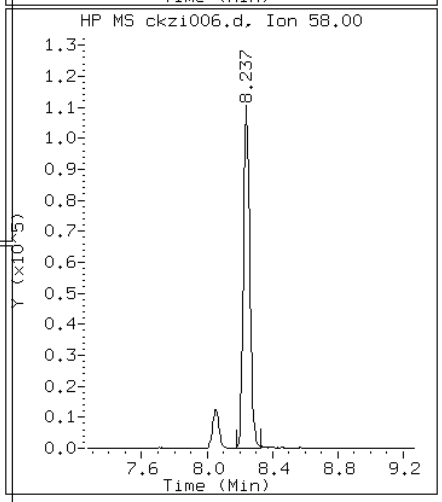
Sample Info: 280-32071-A-17 Operator: wrd

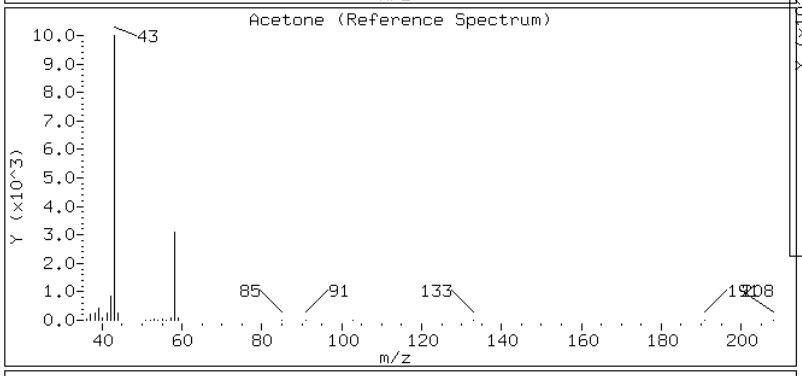
20 Acetone

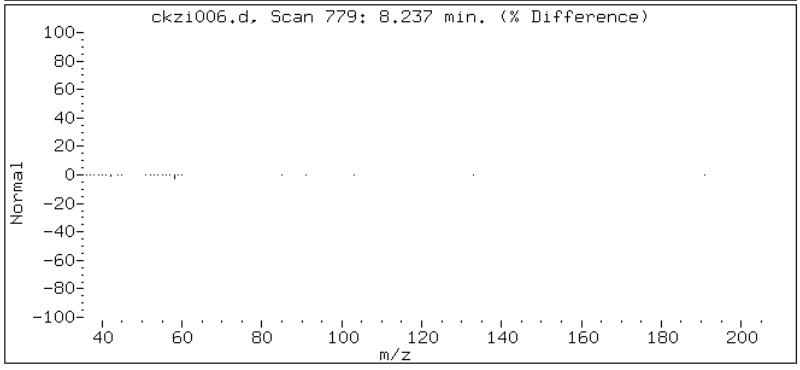












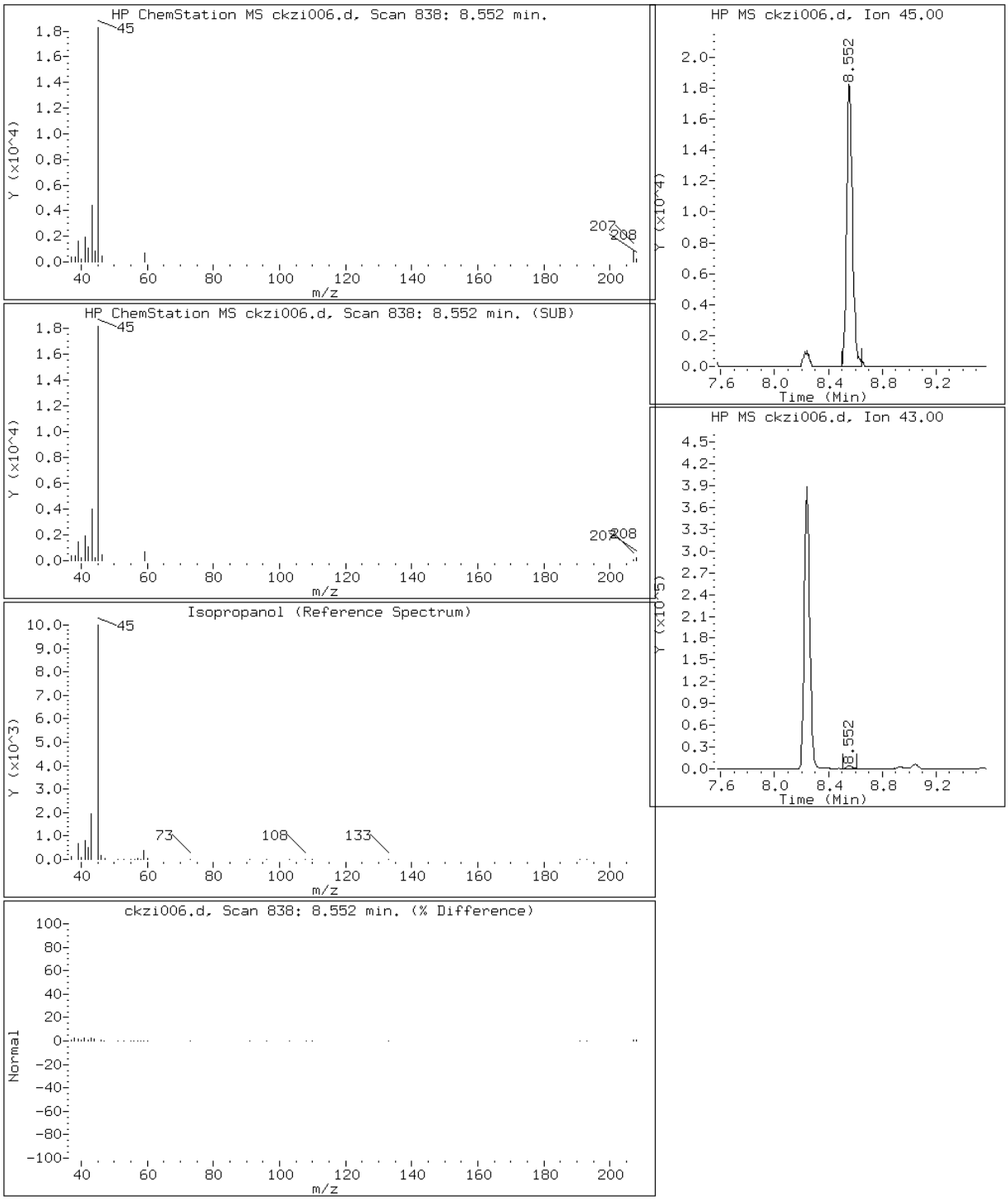
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

22 Isopropanol



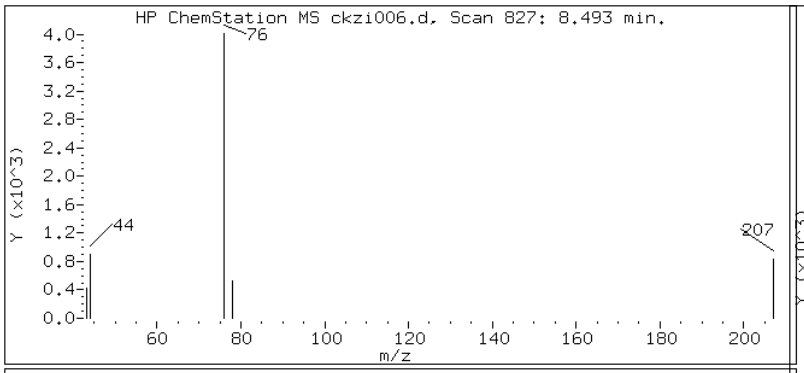
Data File: ckzi006.d

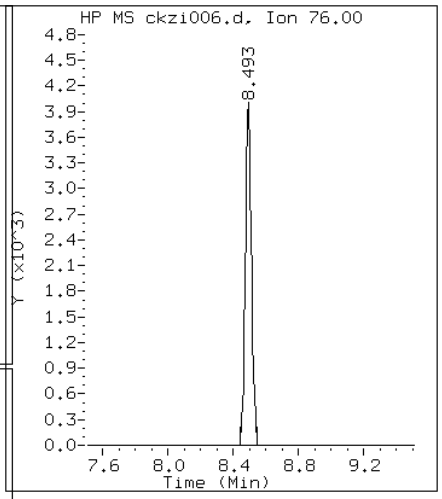
Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

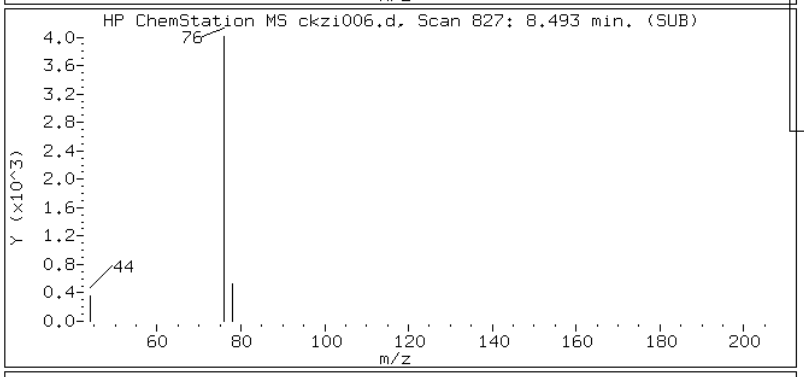
Client ID: 785786OA04 Instrument: C.i

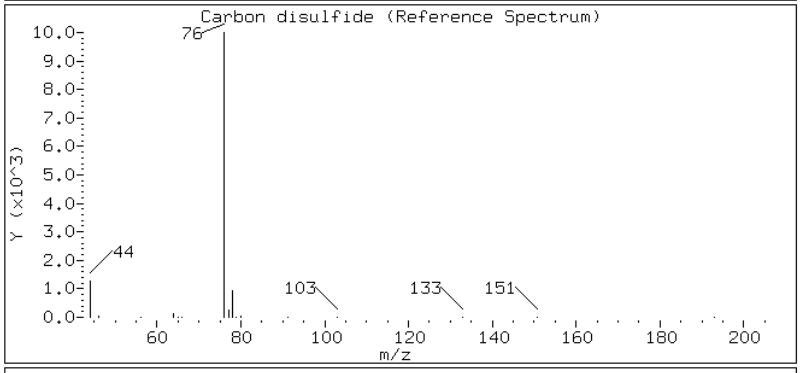
Sample Info: 280-32071-A-17 Operator: wrd

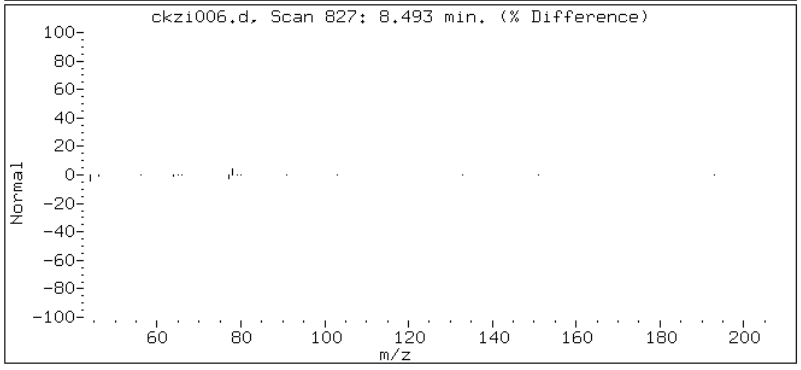
21 Carbon disulfide











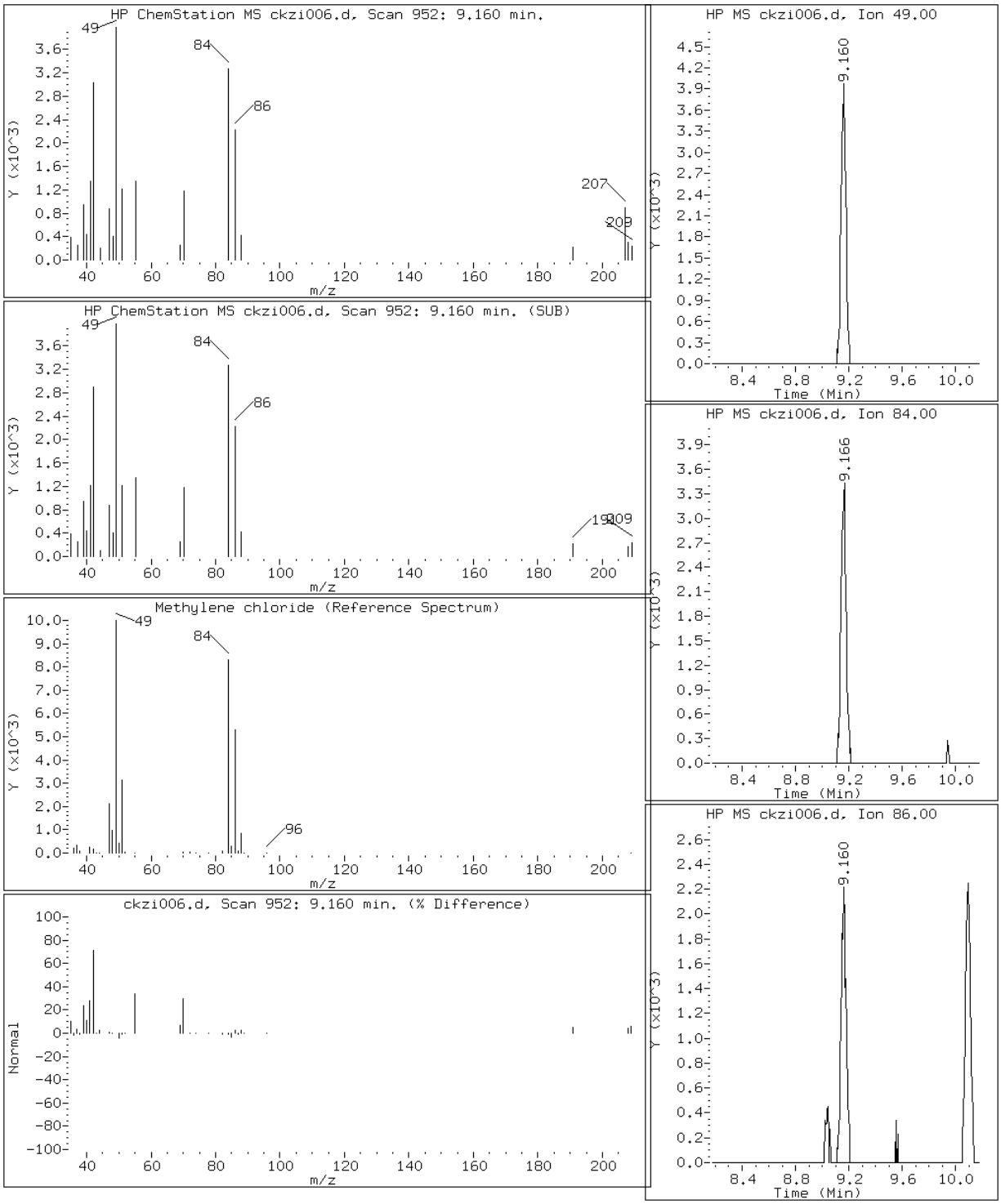
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

25 Methylene chloride



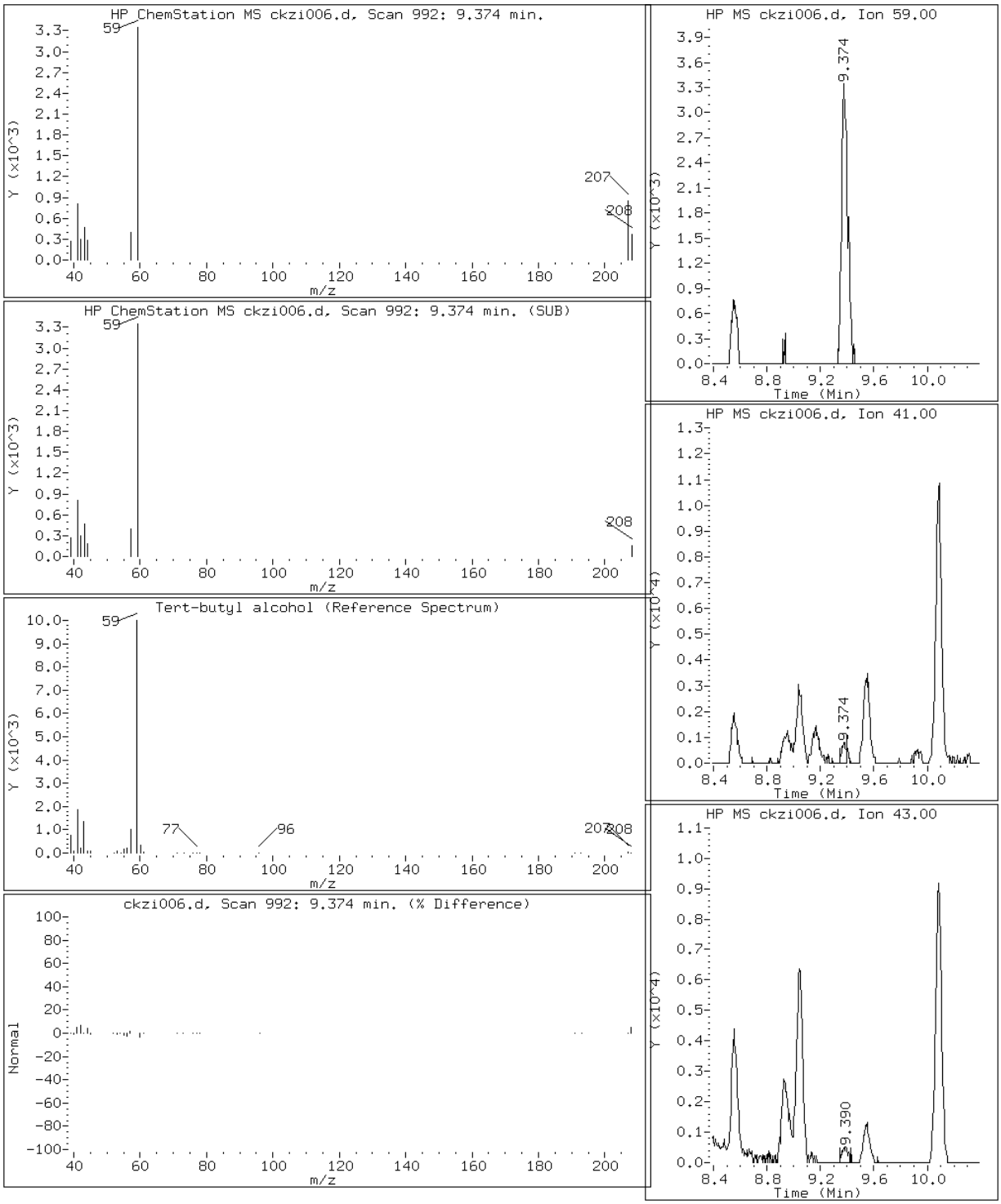
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

26 Tert-butyl alcohol



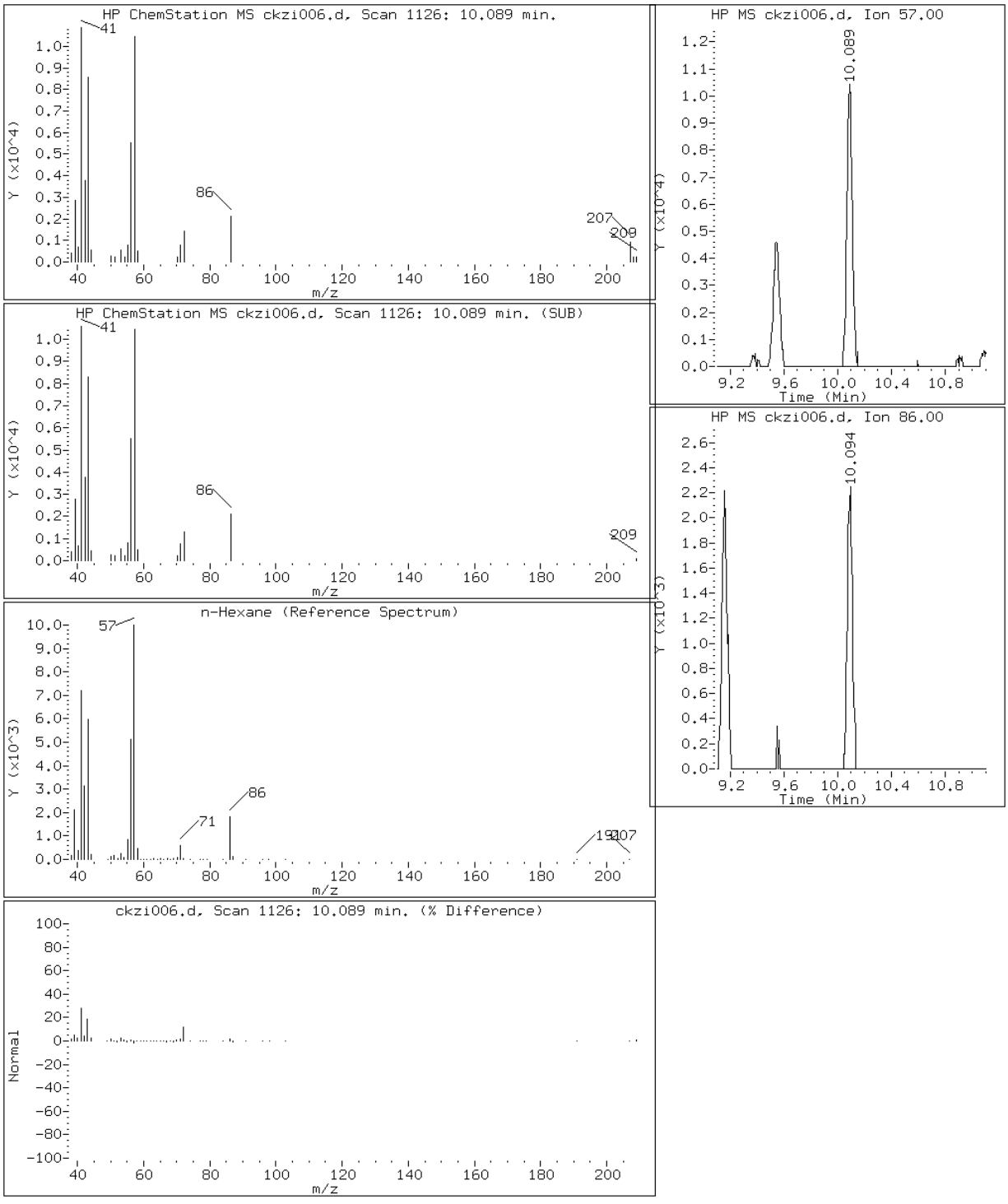
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

30 n-Hexane



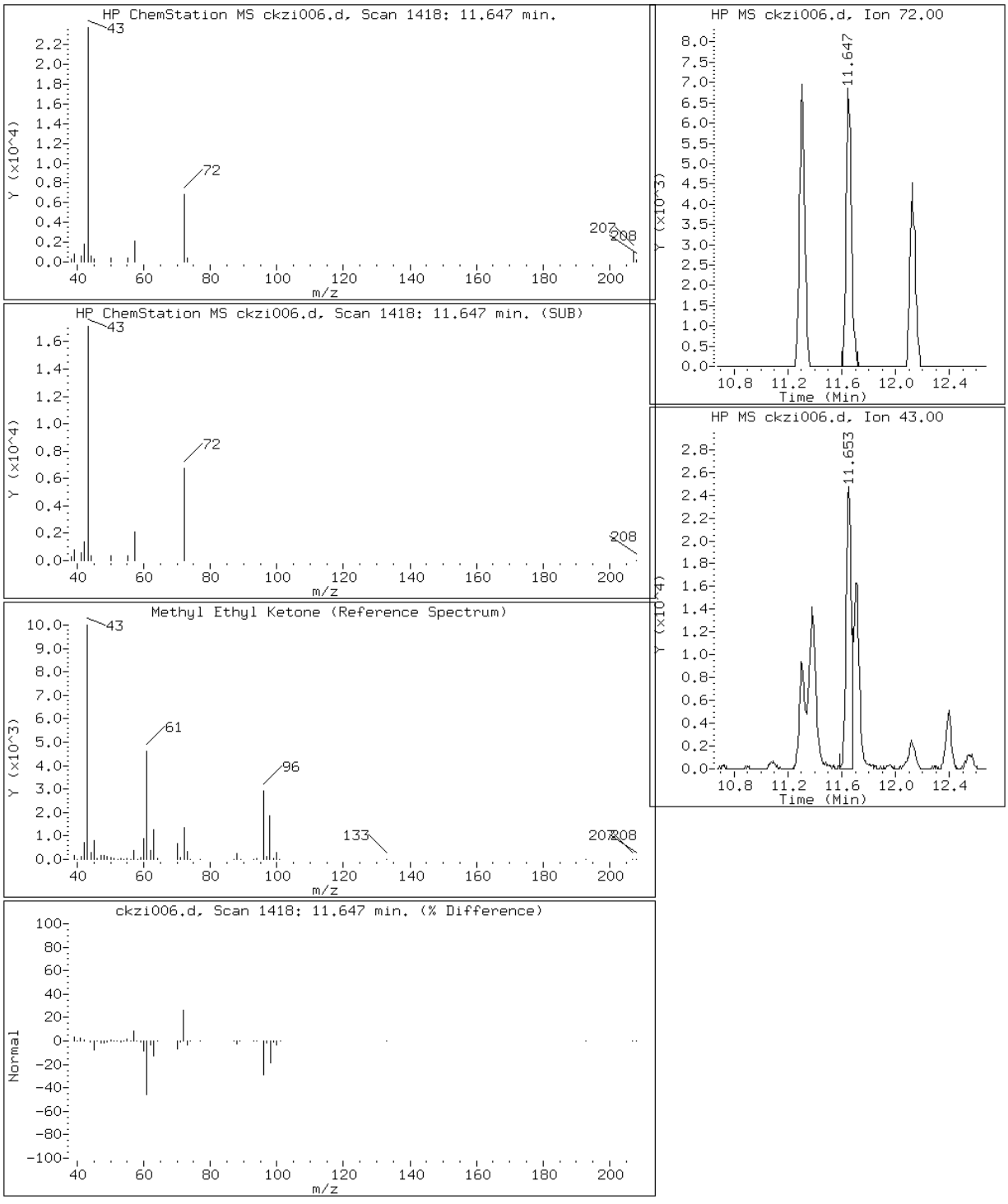
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

36 Methyl Ethyl Ketone



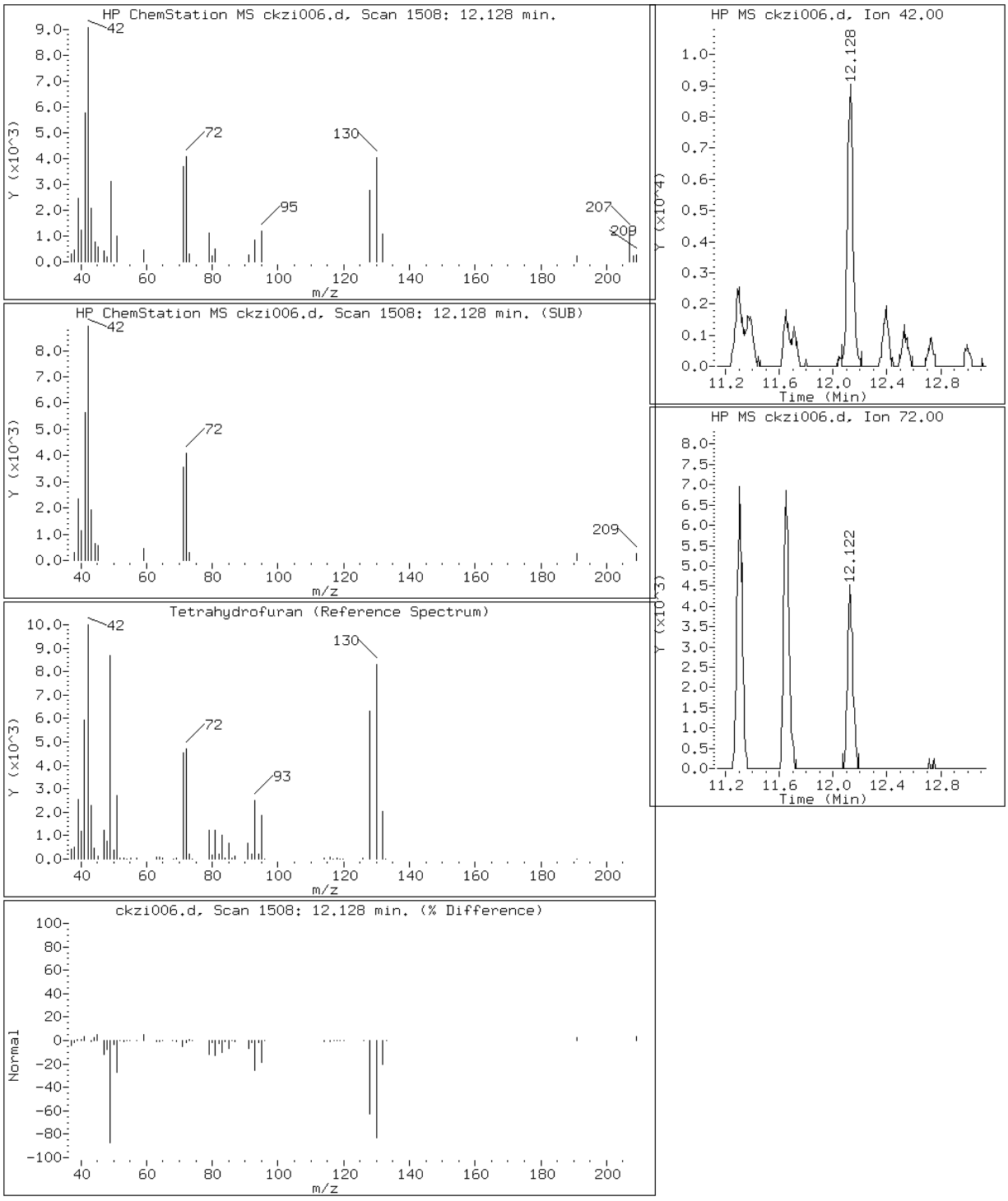
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

38 Tetrahydrofuran



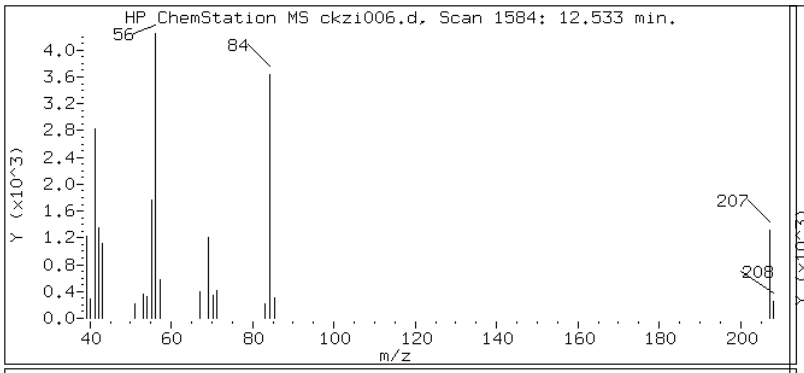
Data File: ckzi006.d

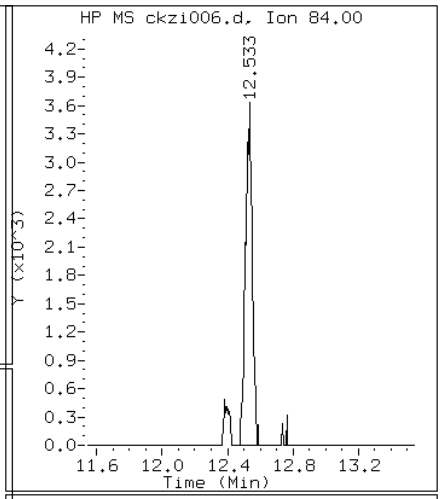
Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

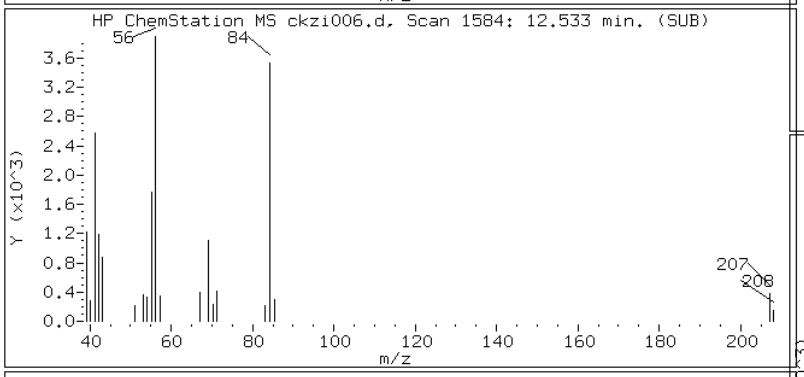
Client ID: 785786OA04 Instrument: C.i

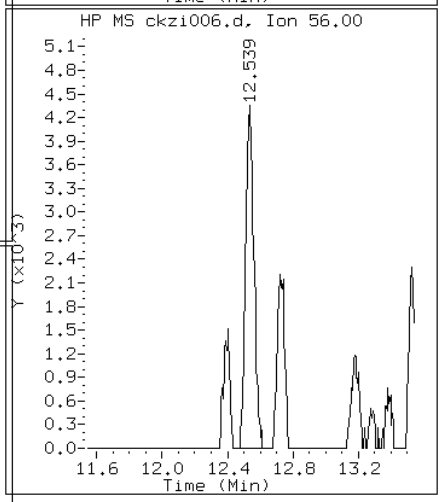
Sample Info: 280-32071-A-17 Operator: wrd

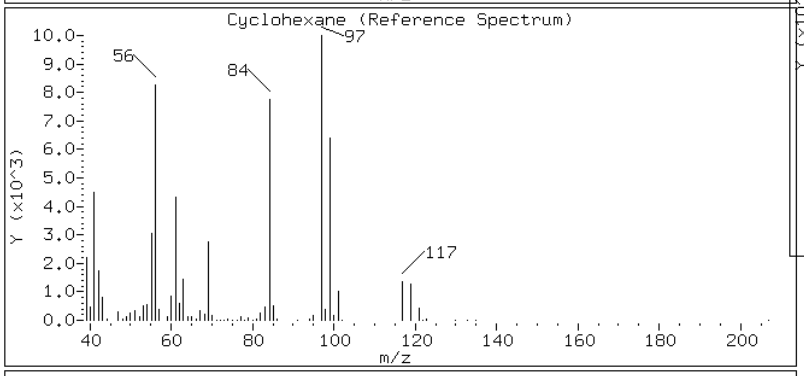
40 Cyclohexane

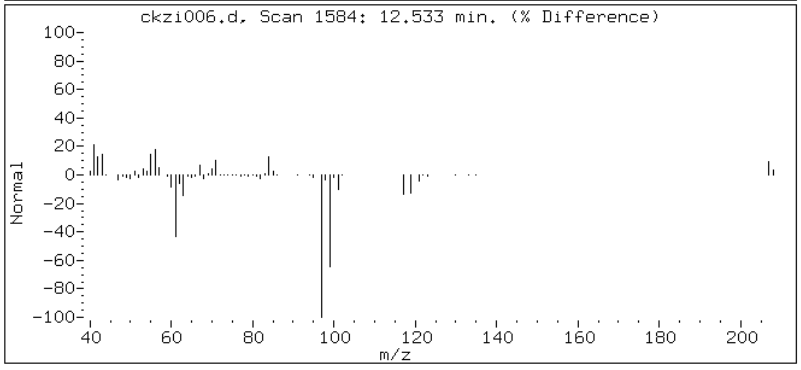












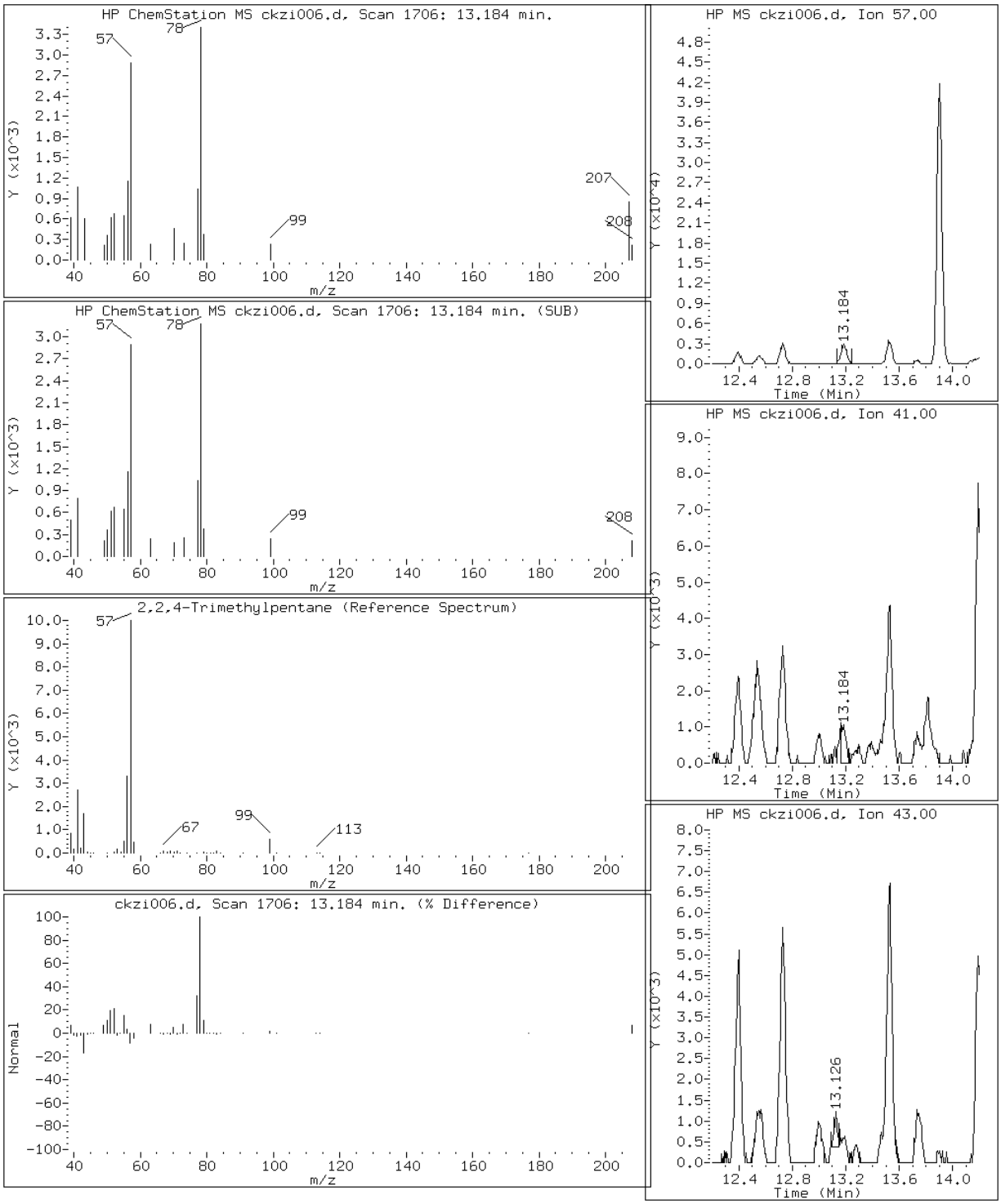
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

43 2,2,4-Trimethylpentane



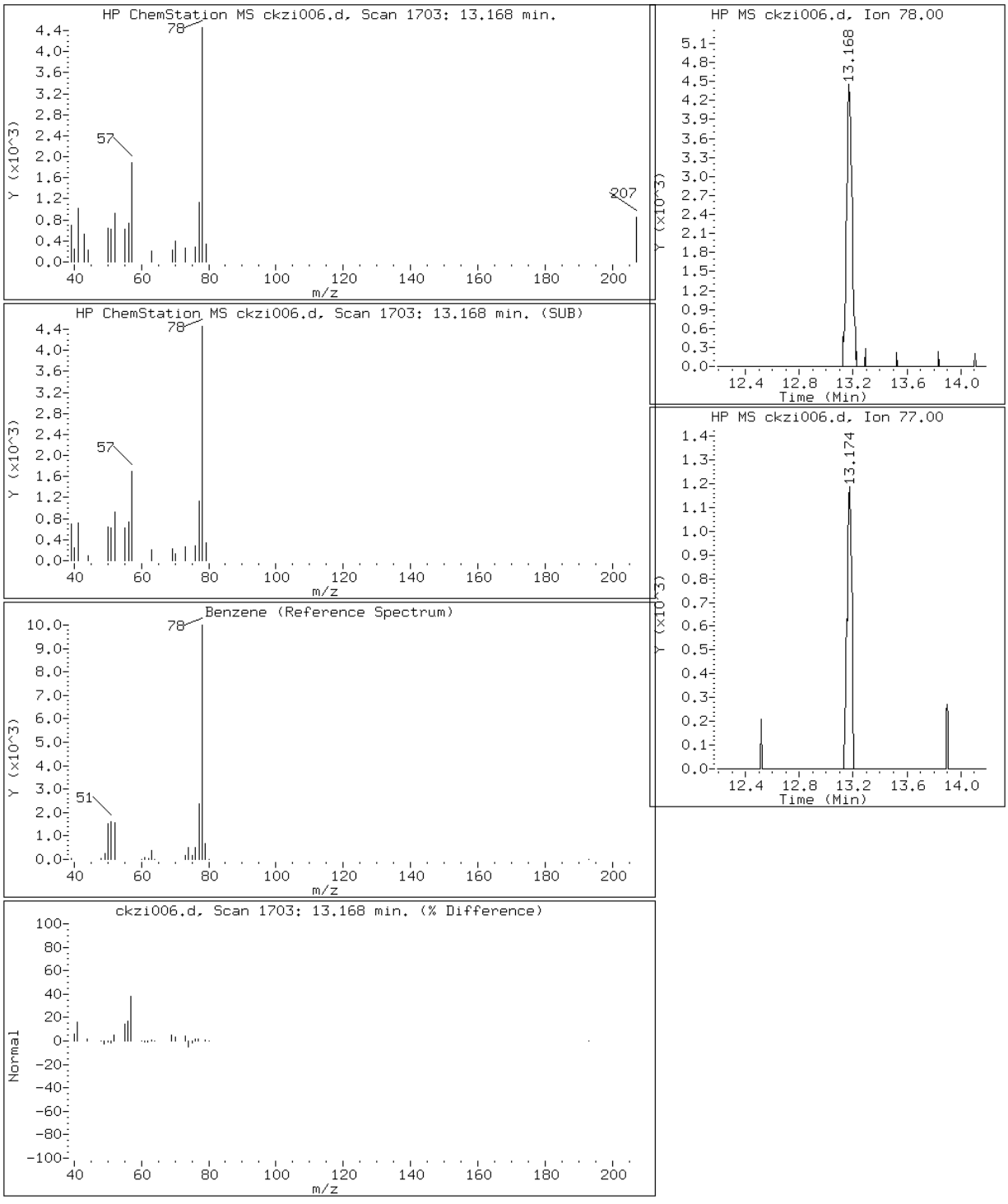
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

44 Benzene



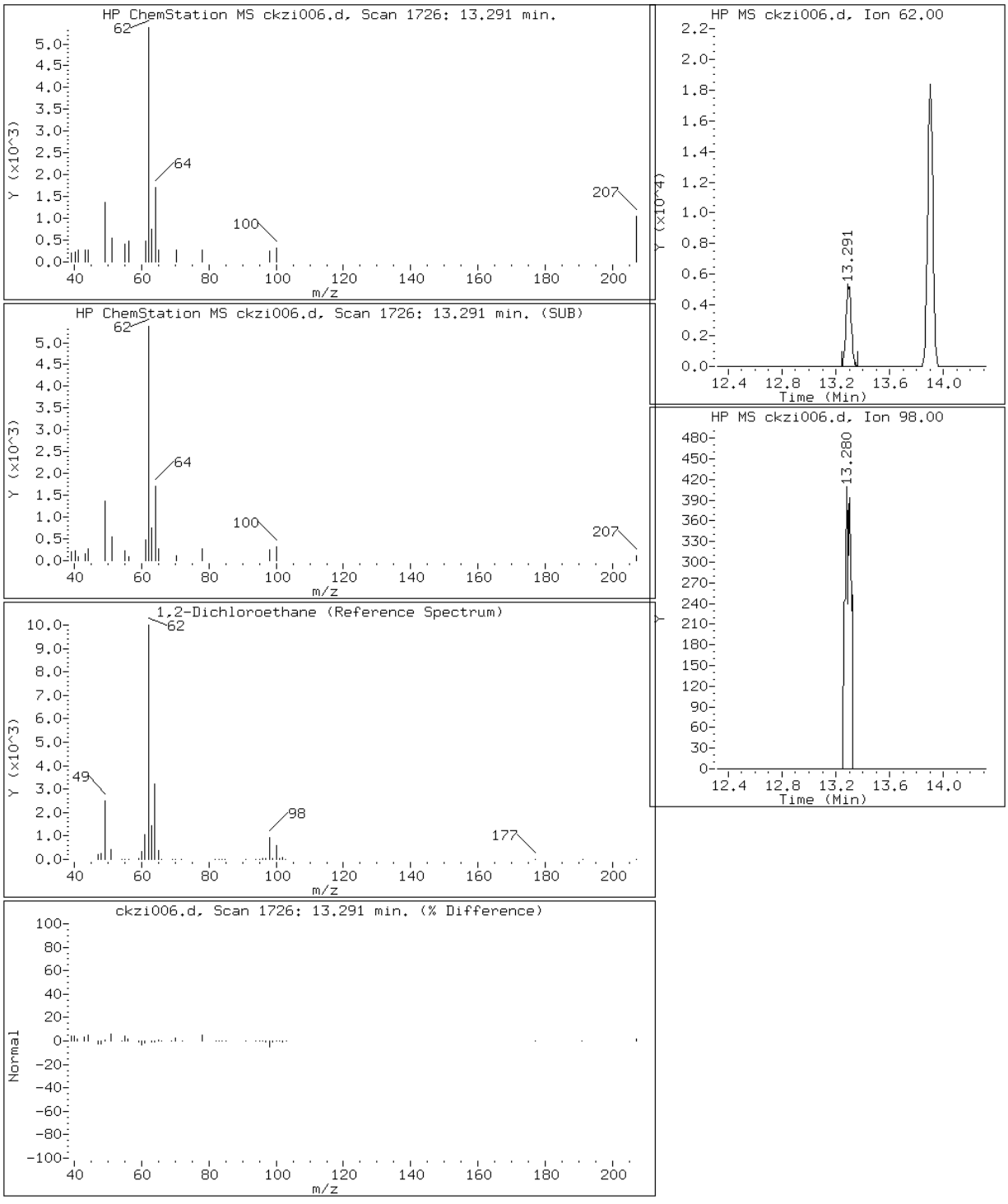
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

45 1,2-Dichloroethane



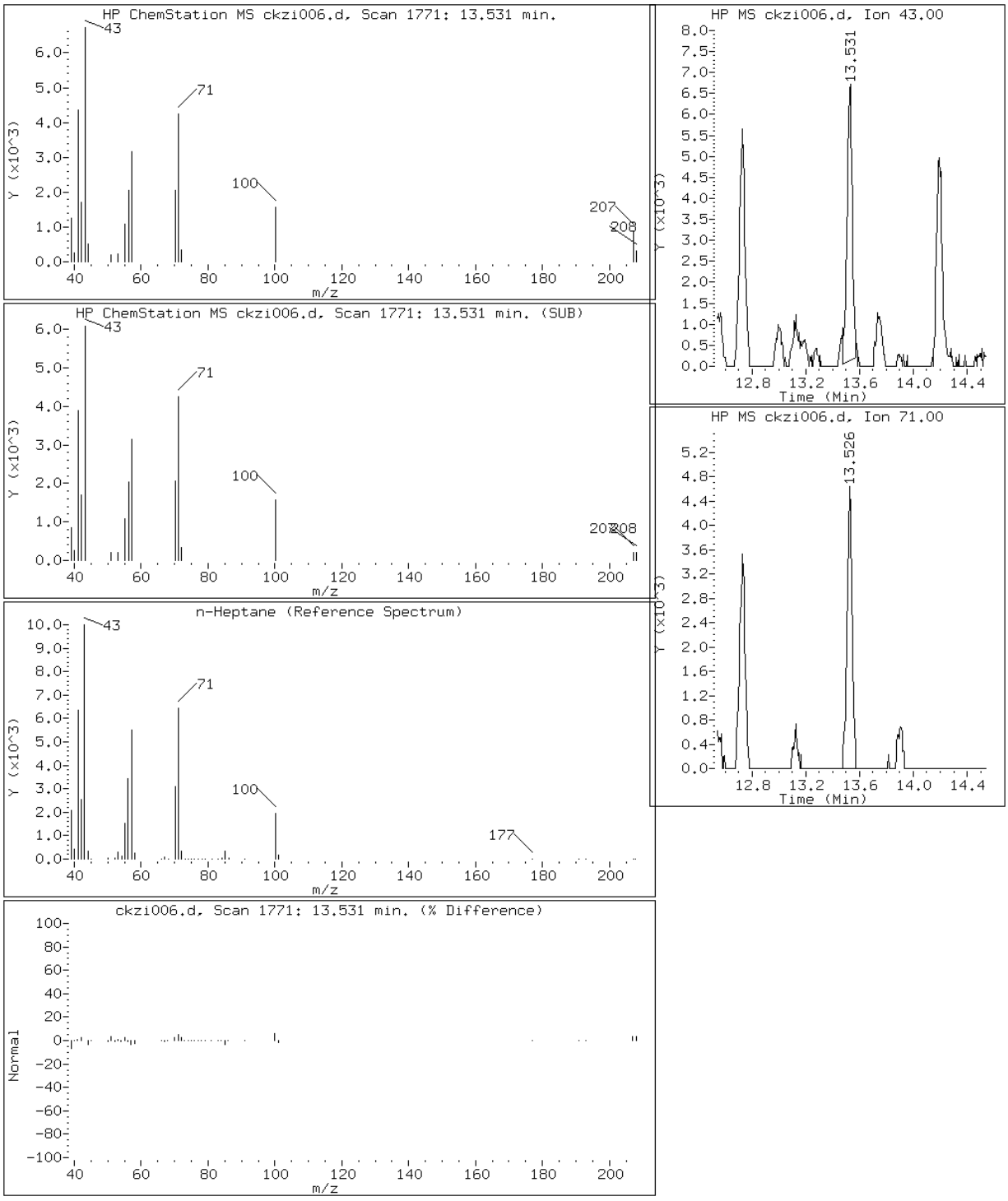
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

46 n-Heptane



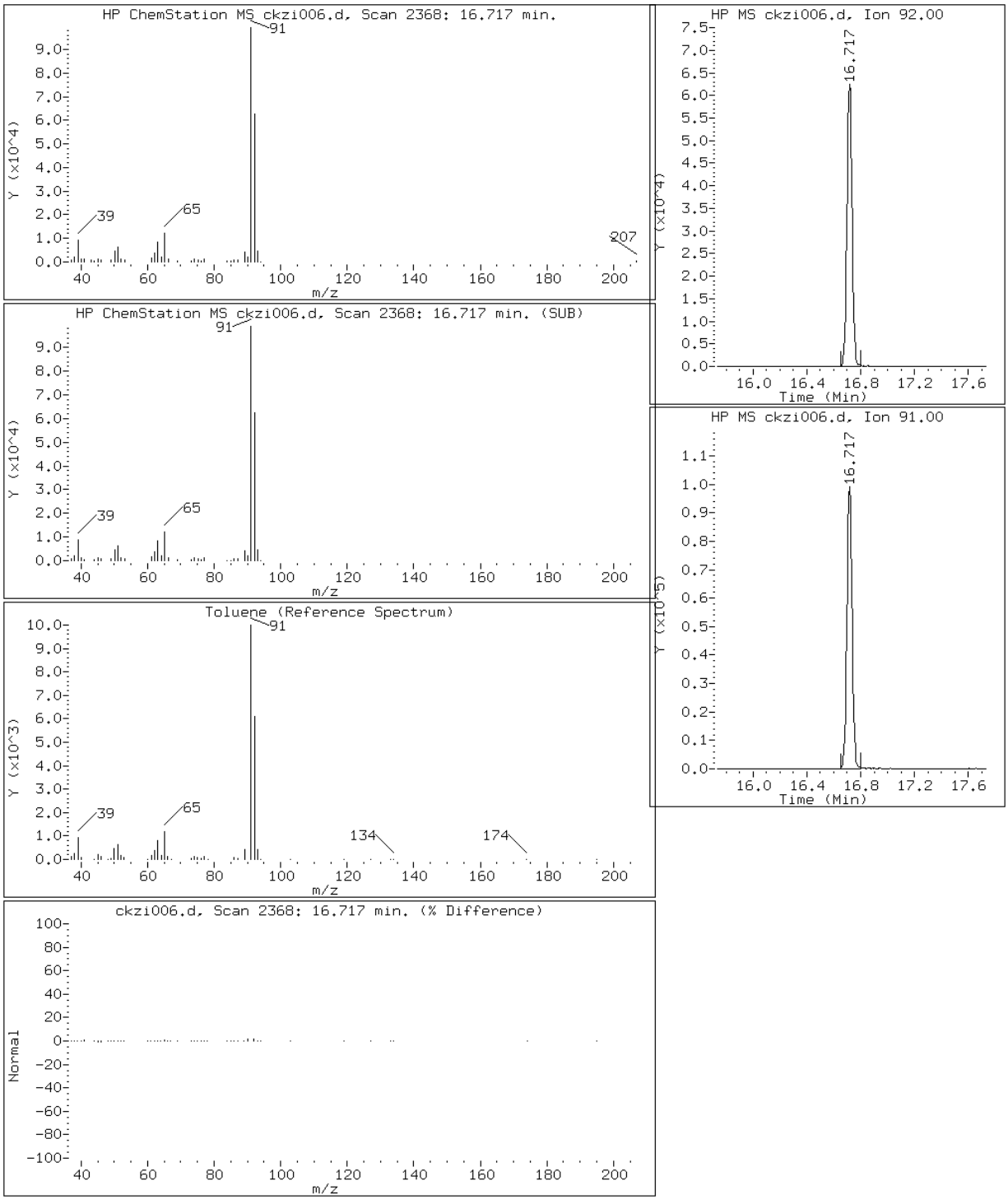
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

58 Toluene



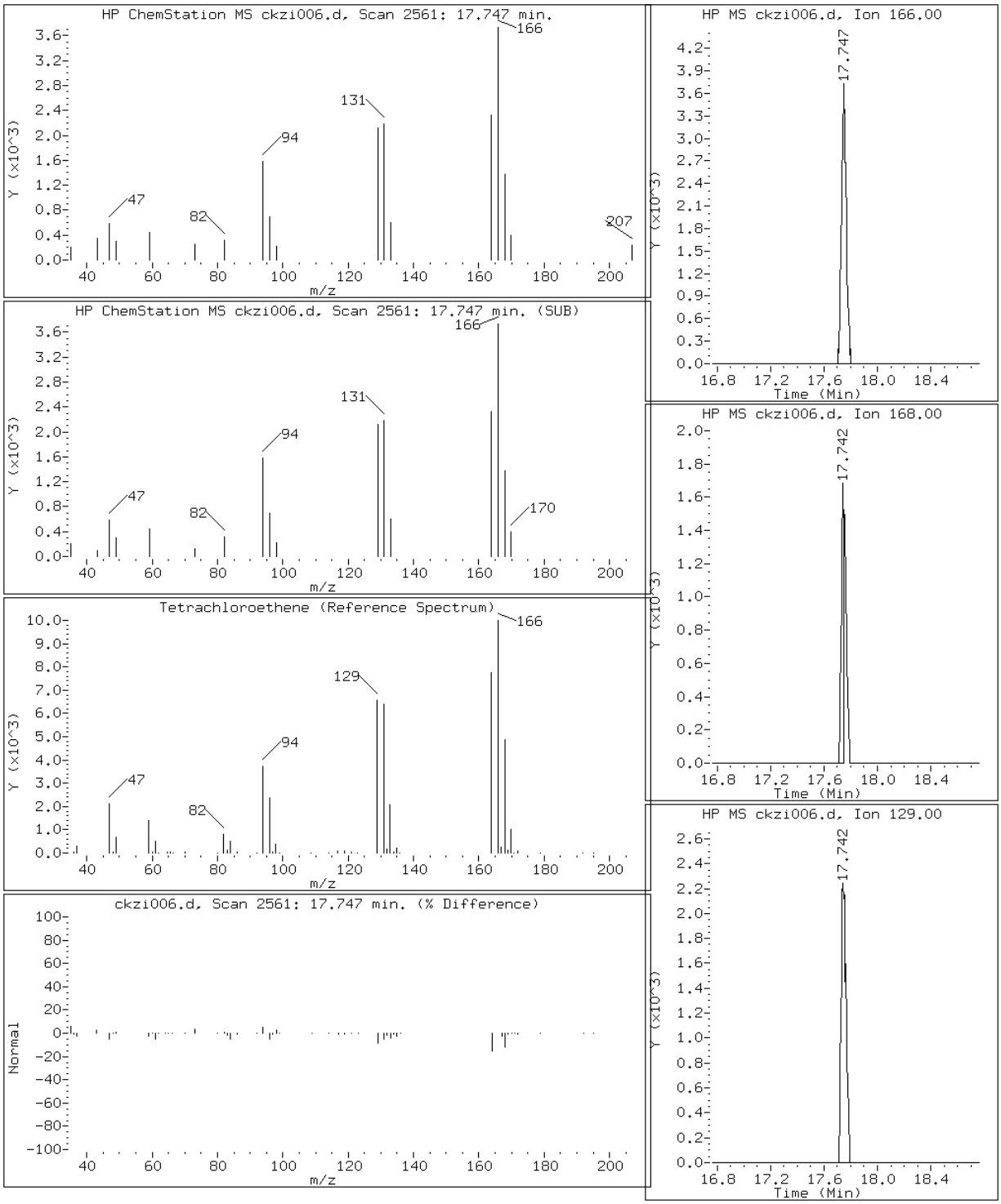
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

61 Tetrachloroethene



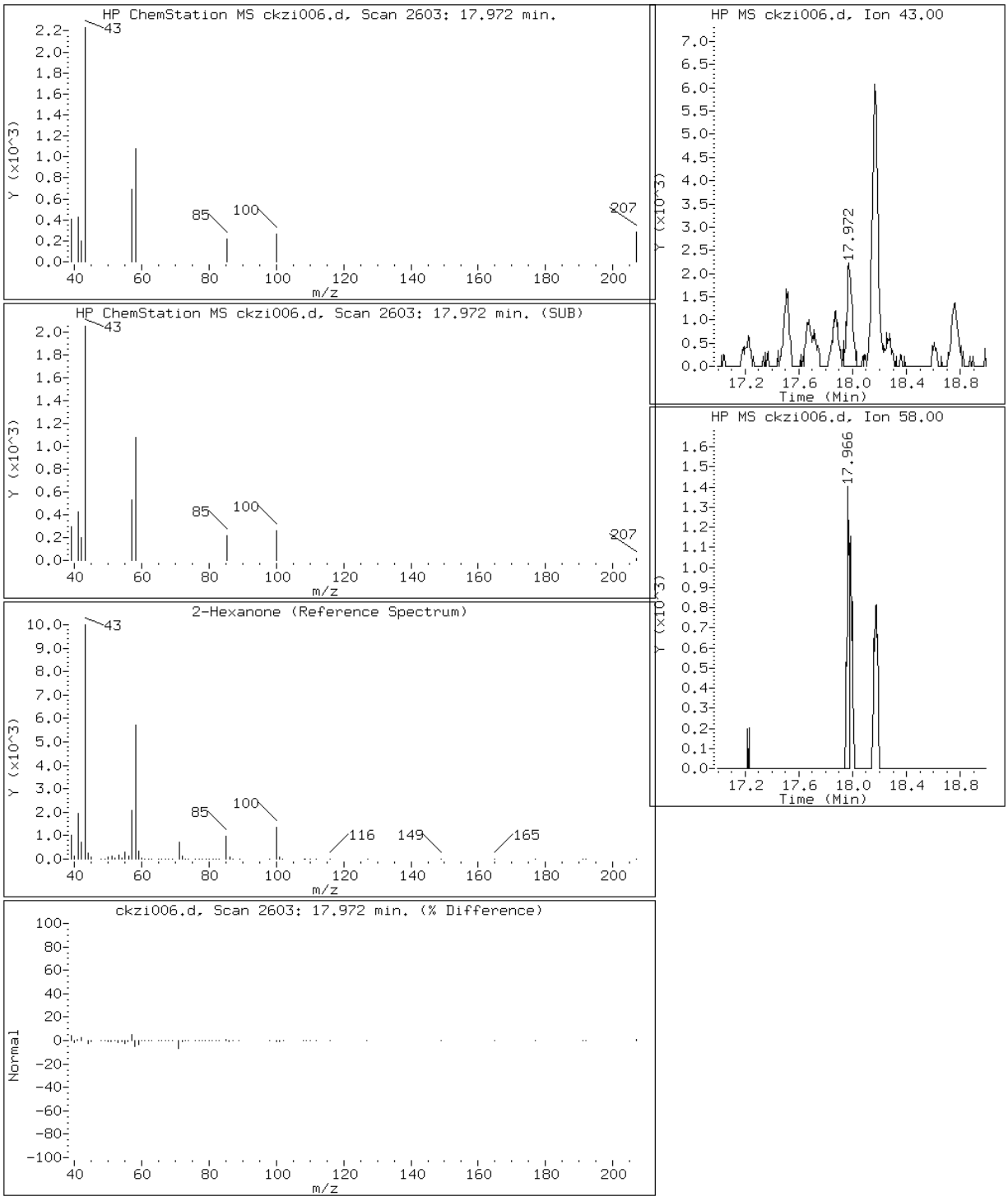
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

62 2-Hexanone



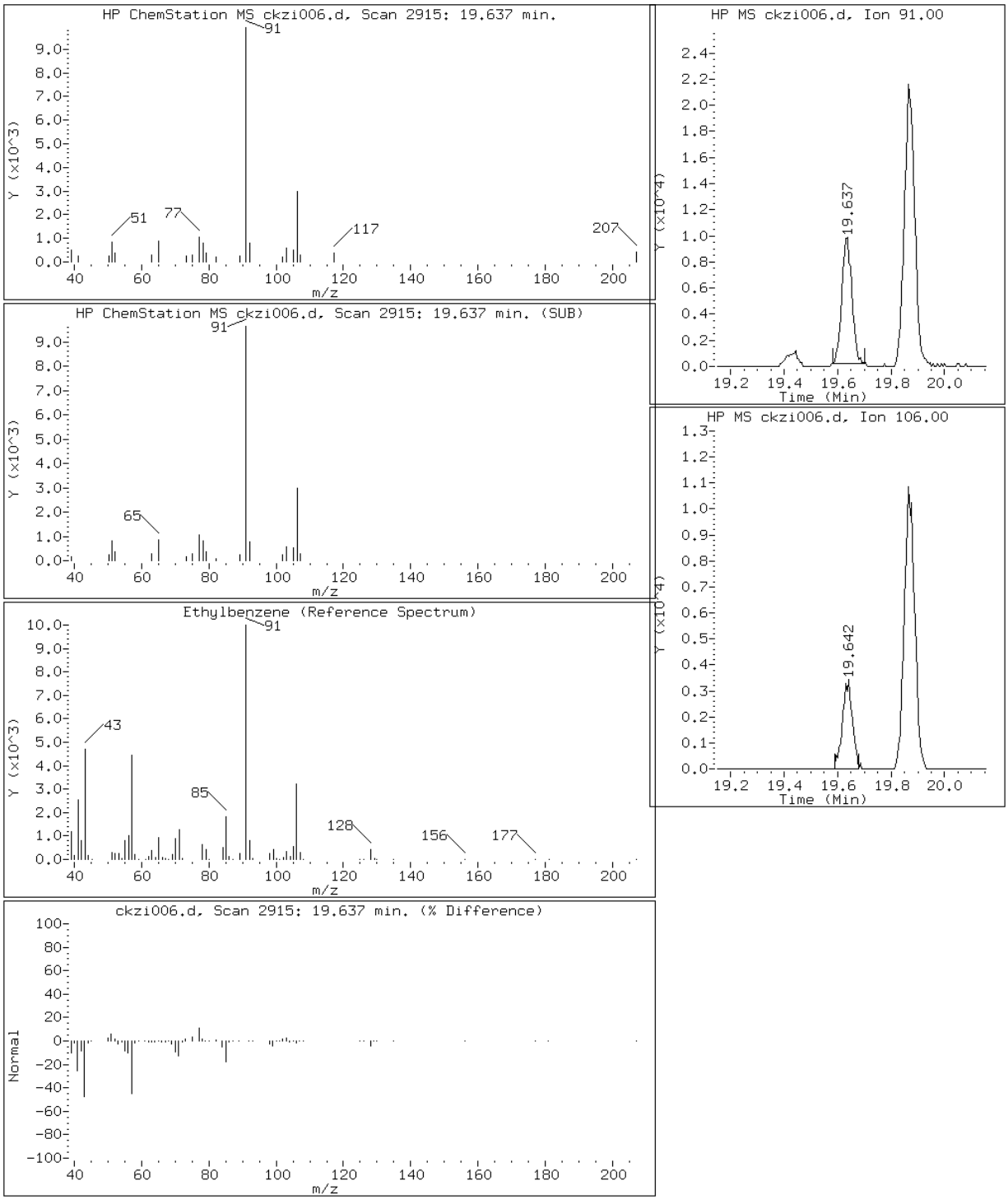
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

68 Ethylbenzene



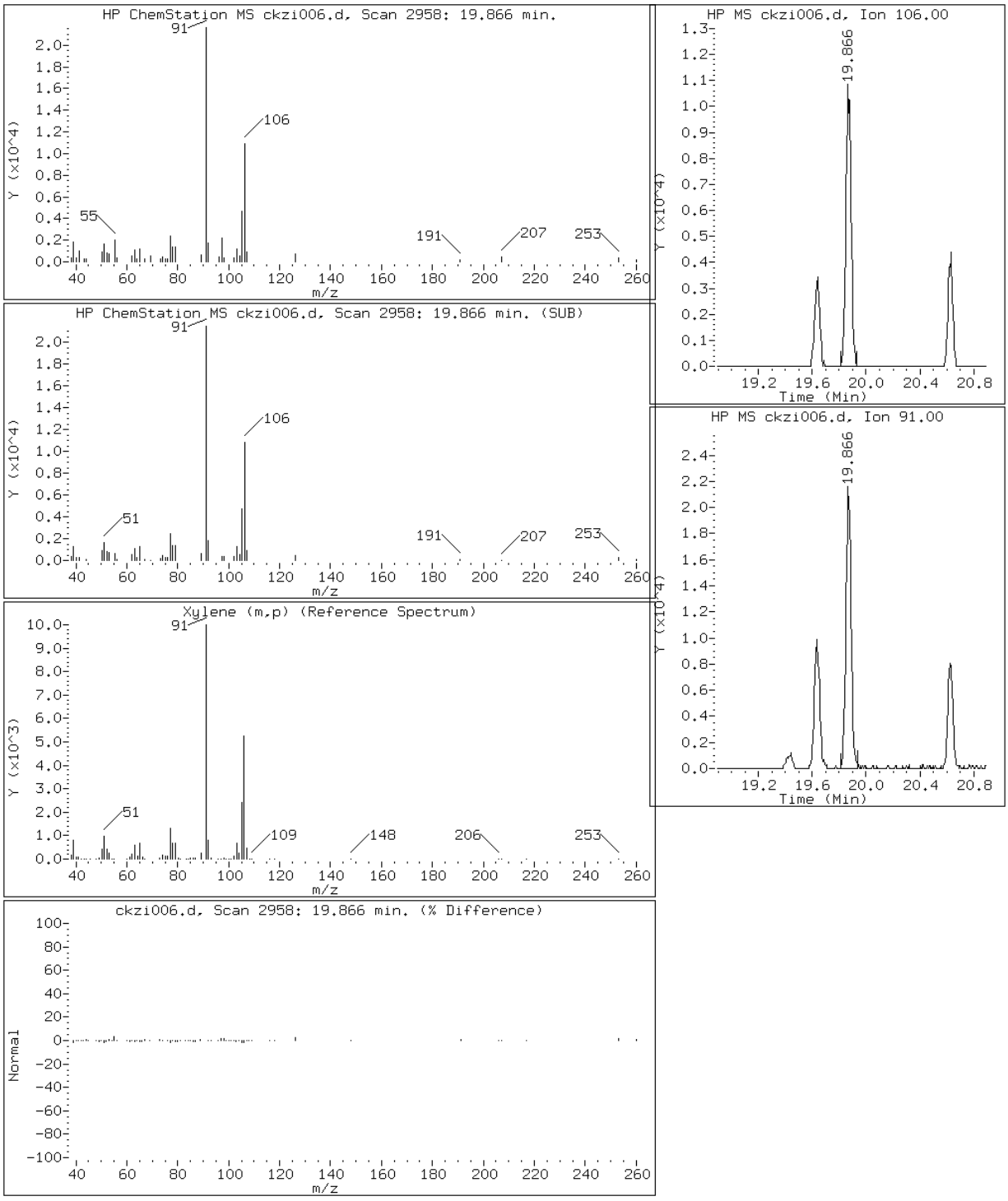
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

69 Xylene (m,p)



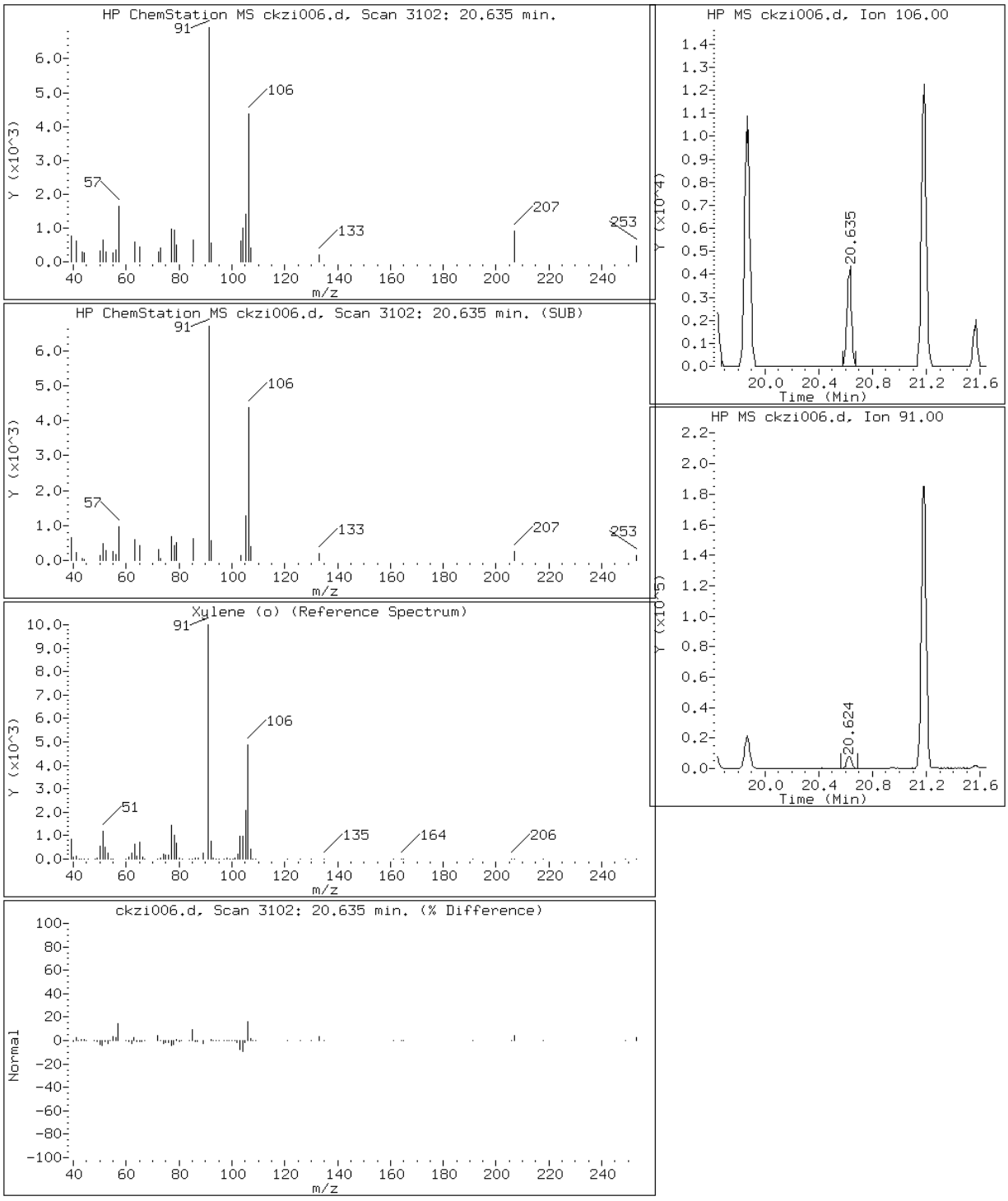
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

71 Xylene (o)



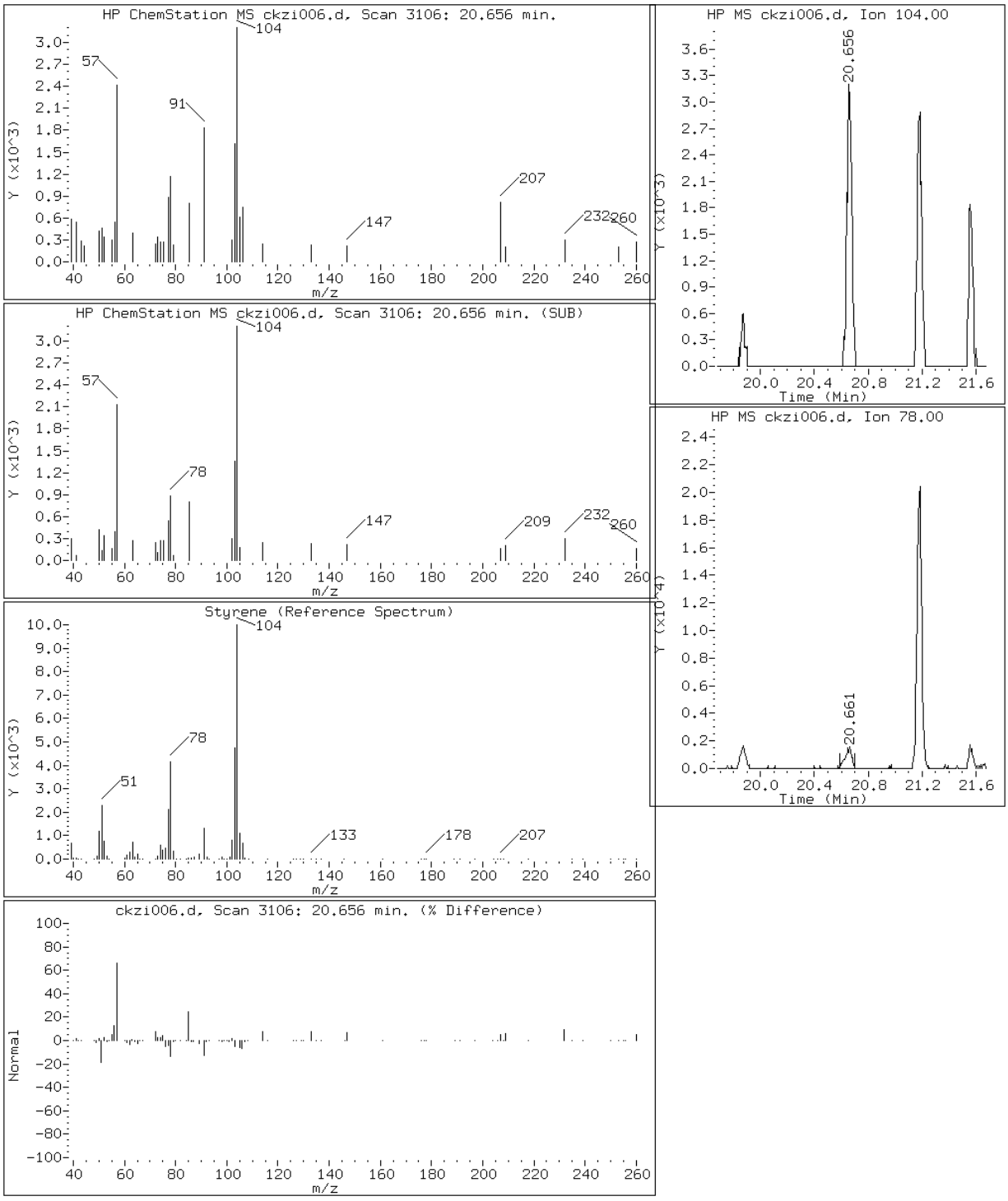
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

72 Styrene



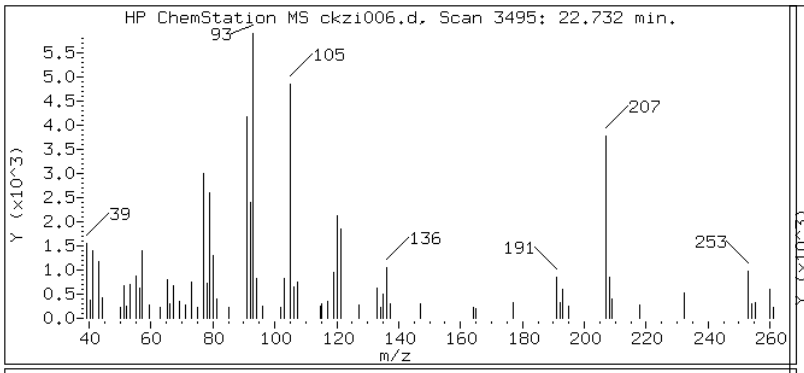
Data File: ckzi006.d

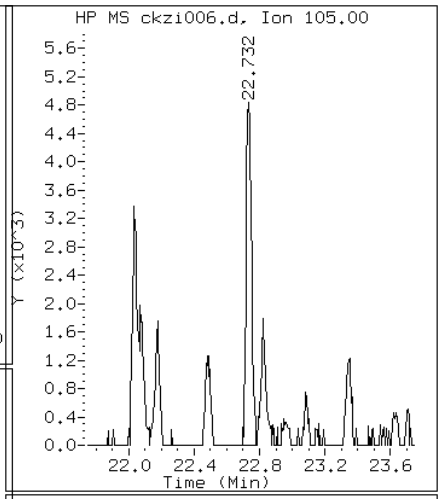
Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

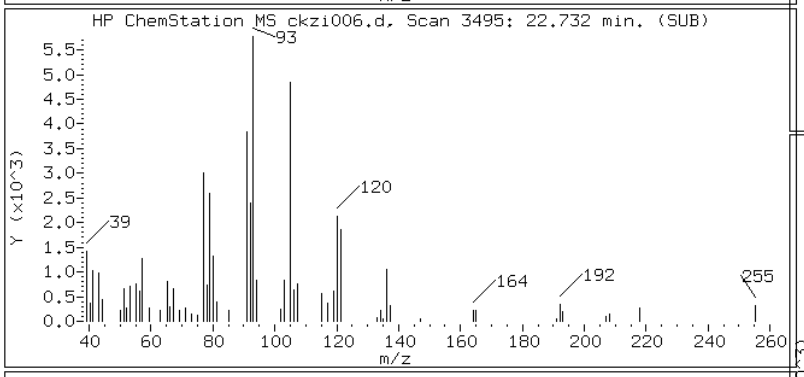
Client ID: 785786OA04 Instrument: C.i

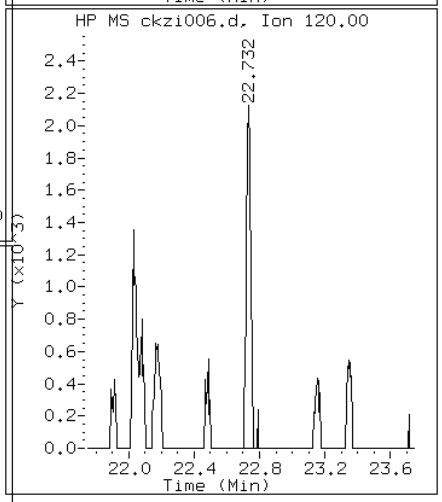
Sample Info: 280-32071-A-17 Operator: wrd

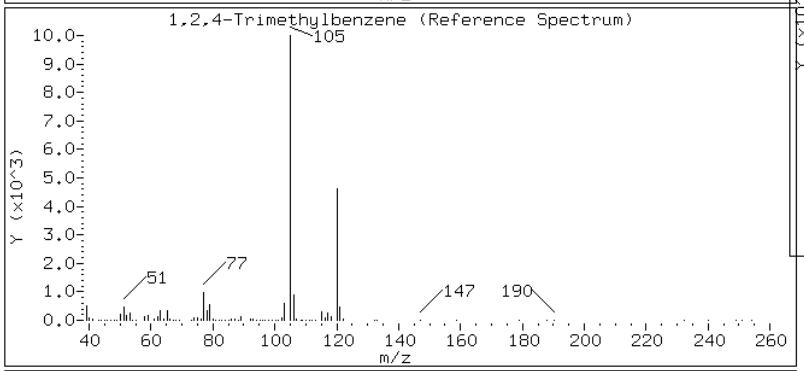
84 1,2,4-Trimethylbenzene

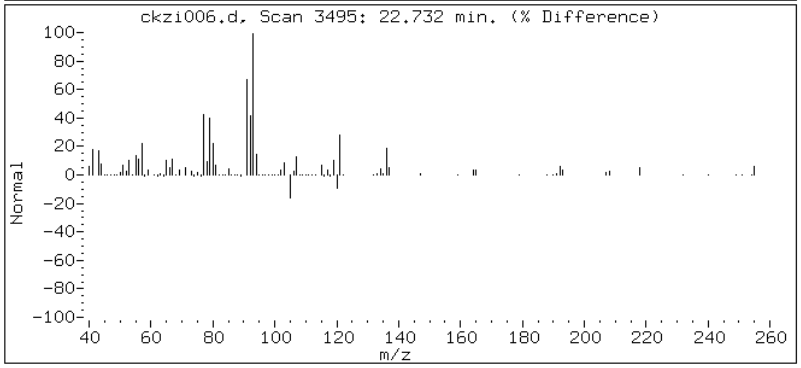












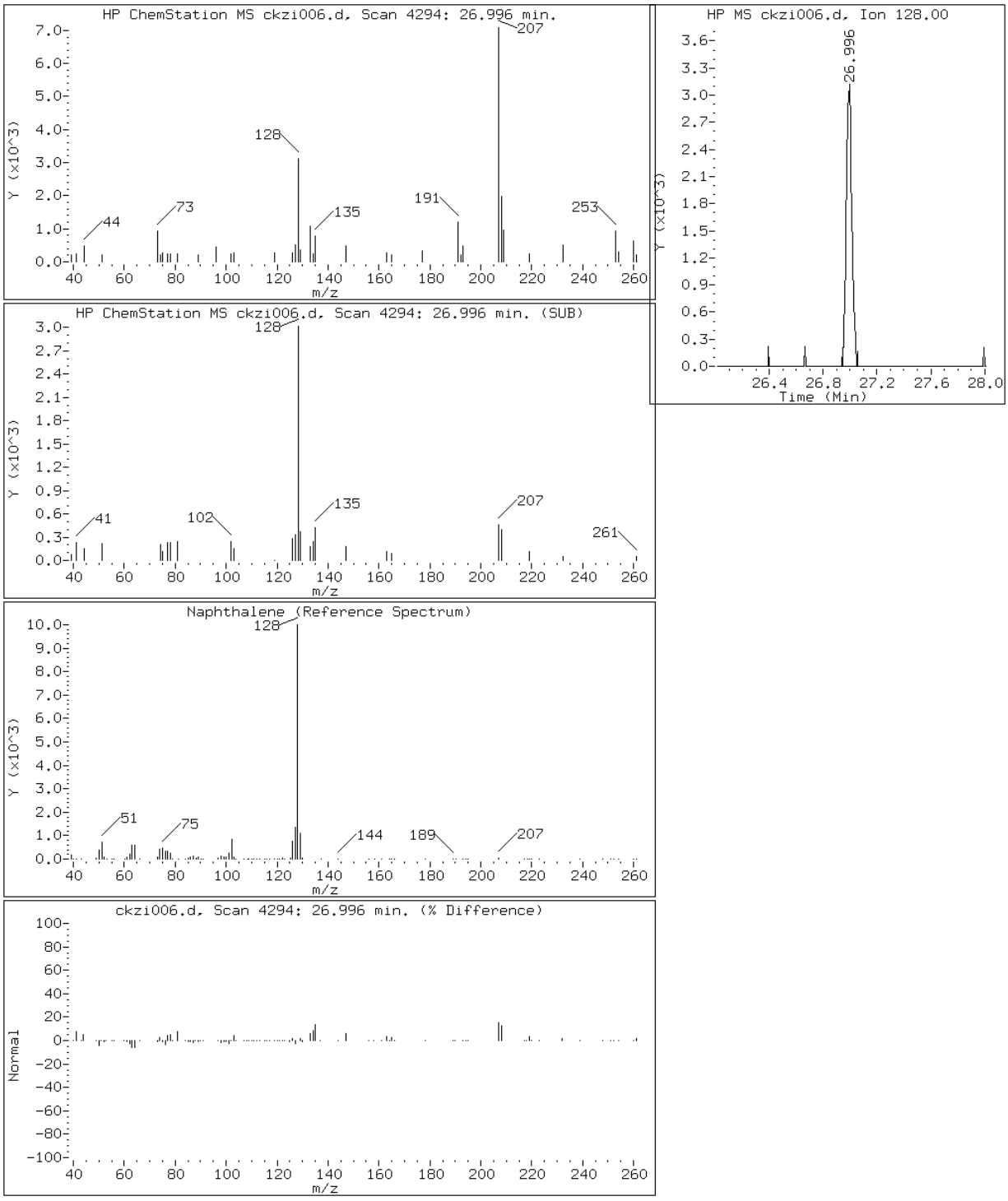
Data File: ckzi006.d

Lab Sample ID: 280-32071-17 Date: 27-AUG-2012 14:52

Client ID: 785786OA04 Instrument: C.i

Sample Info: 280-32071-A-17 Operator: wrd

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0202AH Lab Sample ID: 280-32071-18

Matrix: Air Lab File ID: ckzg024.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:40

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 08:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	18		0.50	0.034
106-97-8	n-Butane	58.12	2.6		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.077	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	4.9	J	5.0	0.40
67-63-0	Isopropyl alcohol	60.10	5.1		5.0	0.076
75-15-0	Carbon disulfide	76.14	0.28	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.70		0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.59	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.38		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.1		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	30		5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.040	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.074	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.32		0.20	0.015
71-43-2	Benzene	78.11	0.040	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0202AH Lab Sample ID: 280-32071-18

Matrix: Air Lab File ID: ckzg024.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:40

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 08:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.93		0.20	0.017
79-01-6	Trichloroethene	131.39	1.7		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.26	J	0.50	0.034
108-88-3	Toluene	92.14	1.0		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.11	J	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.11	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.28		0.20	0.015
179601-23-1	m,p-Xylene	106.17	1.0		0.50	0.022
95-47-6	Xylene, o-	106.17	0.36		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.4		0.20	0.016
100-42-5	Styrene	104.15	0.11	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.14	J	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.25		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.21		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.74		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.060	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.50		0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0202AH Lab Sample ID: 280-32071-18

Matrix: Air Lab File ID: ckzg024.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:40

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 08:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.42	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0202AH Lab Sample ID: 280-32071-18

Matrix: Air Lab File ID: ckzg024.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:40

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 08:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	37		1.0	0.070
106-97-8	n-Butane	58.12	6.3		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.12
76-13-1	Freon TF	187.38	0.59	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	12	J	12	0.95
67-63-0	Isopropyl alcohol	60.10	13		12	0.19
75-15-0	Carbon disulfide	76.14	0.86	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	2.4		1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	1.8	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.3		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	3.3		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	87		15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.14	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.46	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	1.5		0.93	0.070
71-43-2	Benzene	78.11	0.13	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0202AH Lab Sample ID: 280-32071-18

Matrix: Air Lab File ID: ckzg024.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:40

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 08:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	3.8		0.82	0.070
79-01-6	Trichloroethene	131.39	9.1		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	1.0	J	2.0	0.14
108-88-3	Toluene	92.14	3.8		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.73	J	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.47	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	1.2		0.87	0.065
179601-23-1	m,p-Xylene	106.17	4.5		2.2	0.096
95-47-6	Xylene, o-	106.17	1.6		0.87	0.069
1330-20-7	Xylene (total)	106.17	6.0		0.87	0.069
100-42-5	Styrene	104.15	0.46	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.68	J	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	1.2		0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0		0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	3.7		0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.33	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	3.0		1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0202AH Lab Sample ID: 280-32071-18

Matrix: Air Lab File ID: ckzg024.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:40

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 08:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	2.2	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-18
Client Smp ID: 785VMP0202AH
Inj Date : 23-AUG-2012 08:14
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-18
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.299	4.304	(0.356)	42913	0.49112	0.49(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.811	4.811	(0.398)	437683	17.9624	18
6 Butane	43	5.078	5.078	(0.420)	114198	2.64968	2.6(Q)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	21675	0.23521	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	4982	0.07732	0.077(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.264	8.269	(0.684)	170142	4.85551	4.9(a)

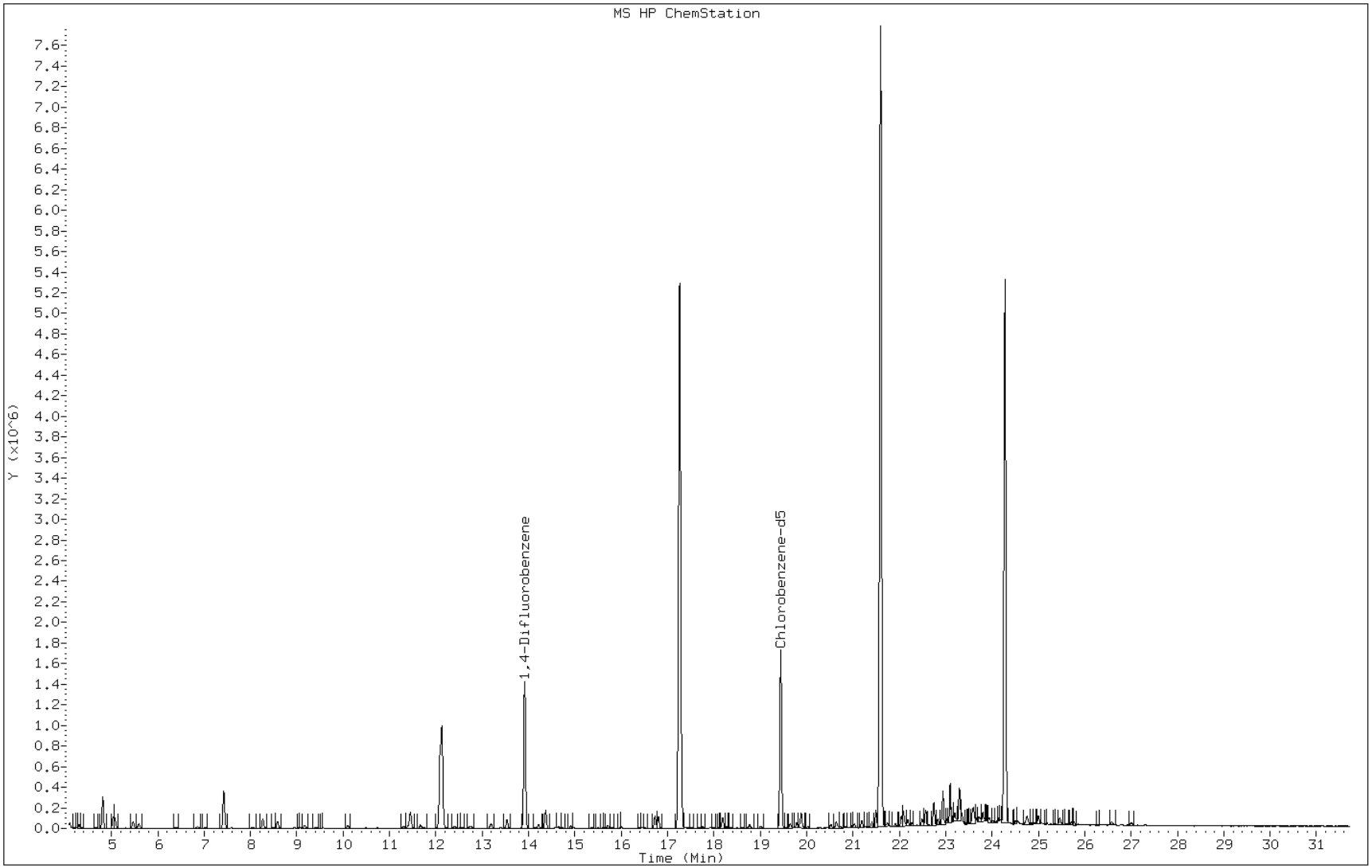
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	23382	0.27527	0.28(a)
	22 Isopropanol	45	8.584	8.573	(0.710)	126270	5.12890	5.1
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.171	9.177	(0.759)	21022	0.70327	0.70
	26 Tert-butyl alcohol	59	9.406	9.390	(0.778)	22265	0.59457	0.59(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.100	10.105	(0.835)	18407	0.38220	0.38
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.965)	14854	1.11564	1.1(Q)
*	37 Bromochloromethane	128	12.090	12.096	(1.000)	318234	10.0000	
	38 Tetrahydrofuran	42	12.133	12.139	(0.872)	830855	29.6295	30
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.779	12.784	(0.918)	6341	0.07376	0.074(a)
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	49666	0.31567	0.32
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.537	13.542	(0.973)	52502	0.93369	0.93
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1783746	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	84508	1.69971	1.7
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.179)	12759	0.25580	0.26(a)
	58 Toluene	92	16.728	16.734	(0.860)	80655	0.99620	1.00
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.758	17.764	(0.913)	8228	0.10779	0.11(a)
	62 2-Hexanone	43	17.998	17.993	(0.926)	5359	0.11363	0.11(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	1688821	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.010)	48377	0.28407	0.28
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	72917	1.02775	1.0
M	70 Xylenes, Total	106				97546	1.38631	1.4
	71 Xylene (o)	106	20.640	20.646	(1.061)	24629	0.35856	0.36
	72 Styrene	104	20.672	20.678	(1.063)	10469	0.10778	0.11(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	21.910	21.916	(1.127)	30503	0.13817	0.14(a)
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	47875	0.25029	0.25
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.183	22.193	(1.141)	34907	0.21041	0.21
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	119407	0.74396	0.74
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.165	23.170	(1.191)	12006	0.06033	0.060(a)
87 1,3-Dichlorobenzene	146	23.197	23.202	(1.193)	56287	0.49788	0.50
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.002	27.012	(1.389)	39360	0.42177	0.42(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzg024.d	Date:	23-AUG-2012 08:14
Client ID:	785VMP0202AH	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-18		
Lab Sample ID:	280-32071-18		



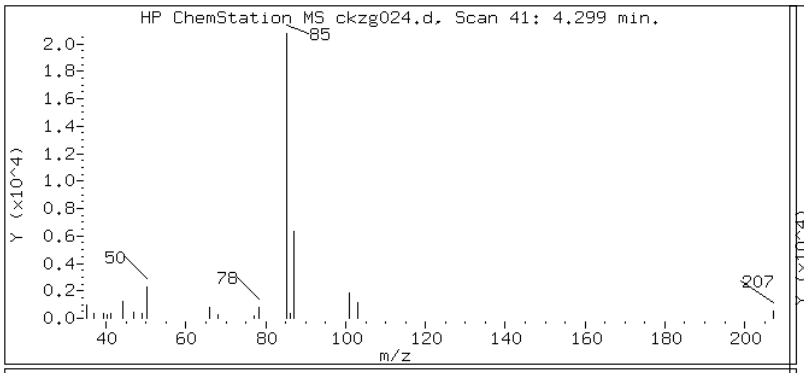
Data File: ckzg024.d

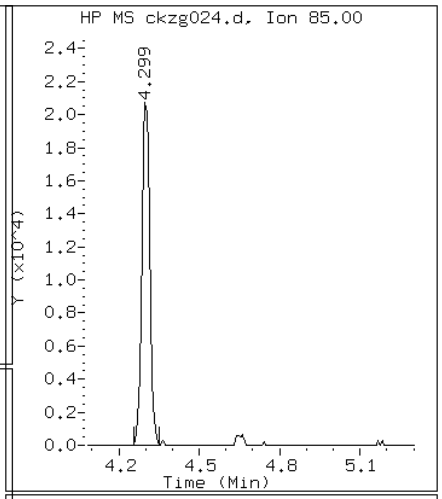
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

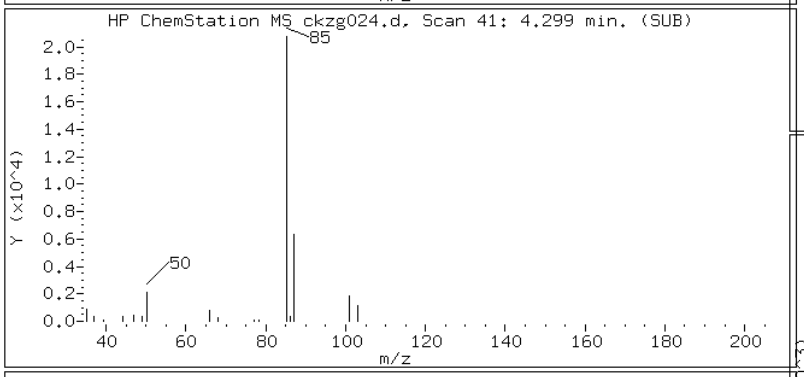
Client ID: 785VMP0202AH Instrument: C.i

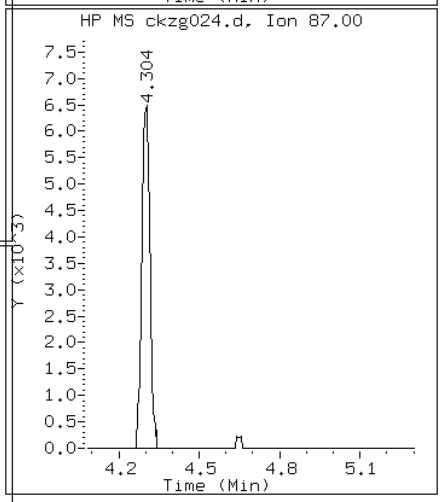
Sample Info: 280-32071-A-18 Operator: pad

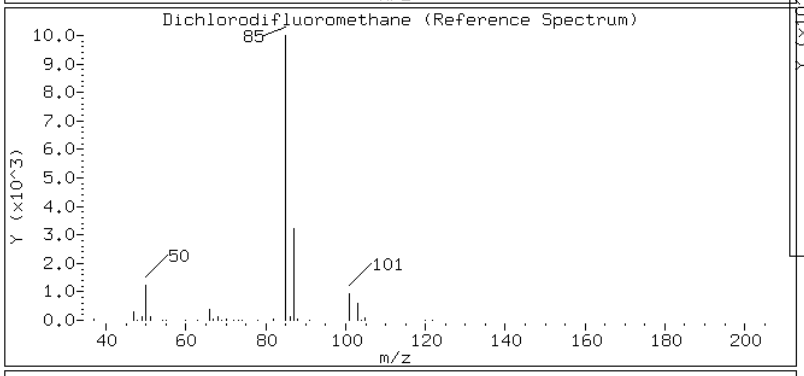
2 Dichlorodifluoromethane

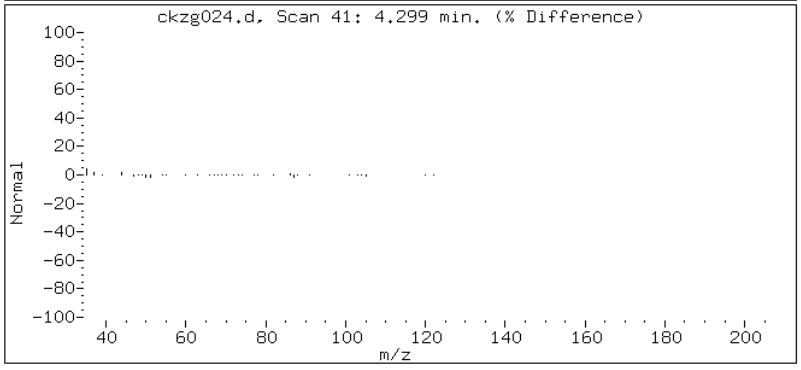












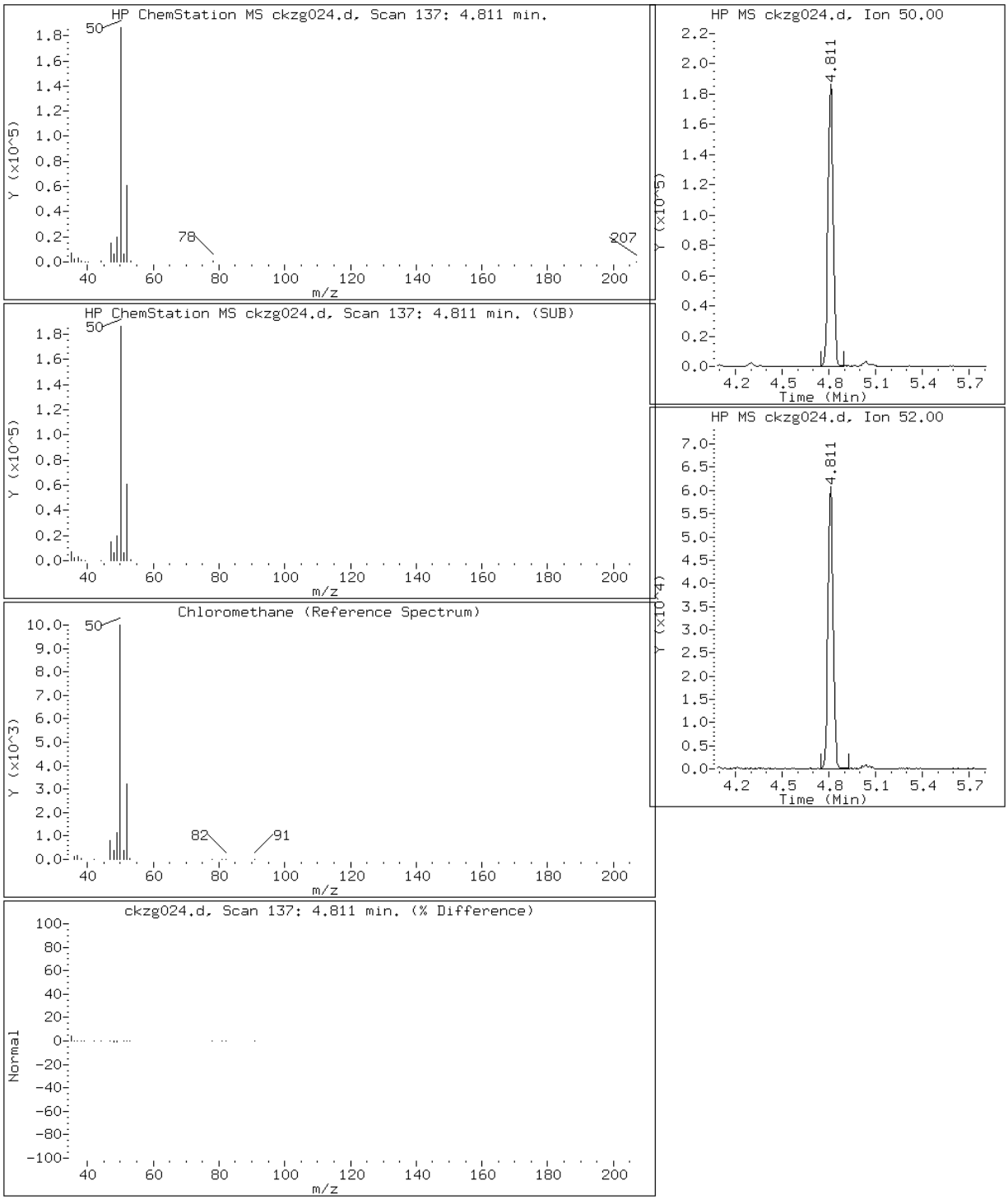
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

5 Chloromethane



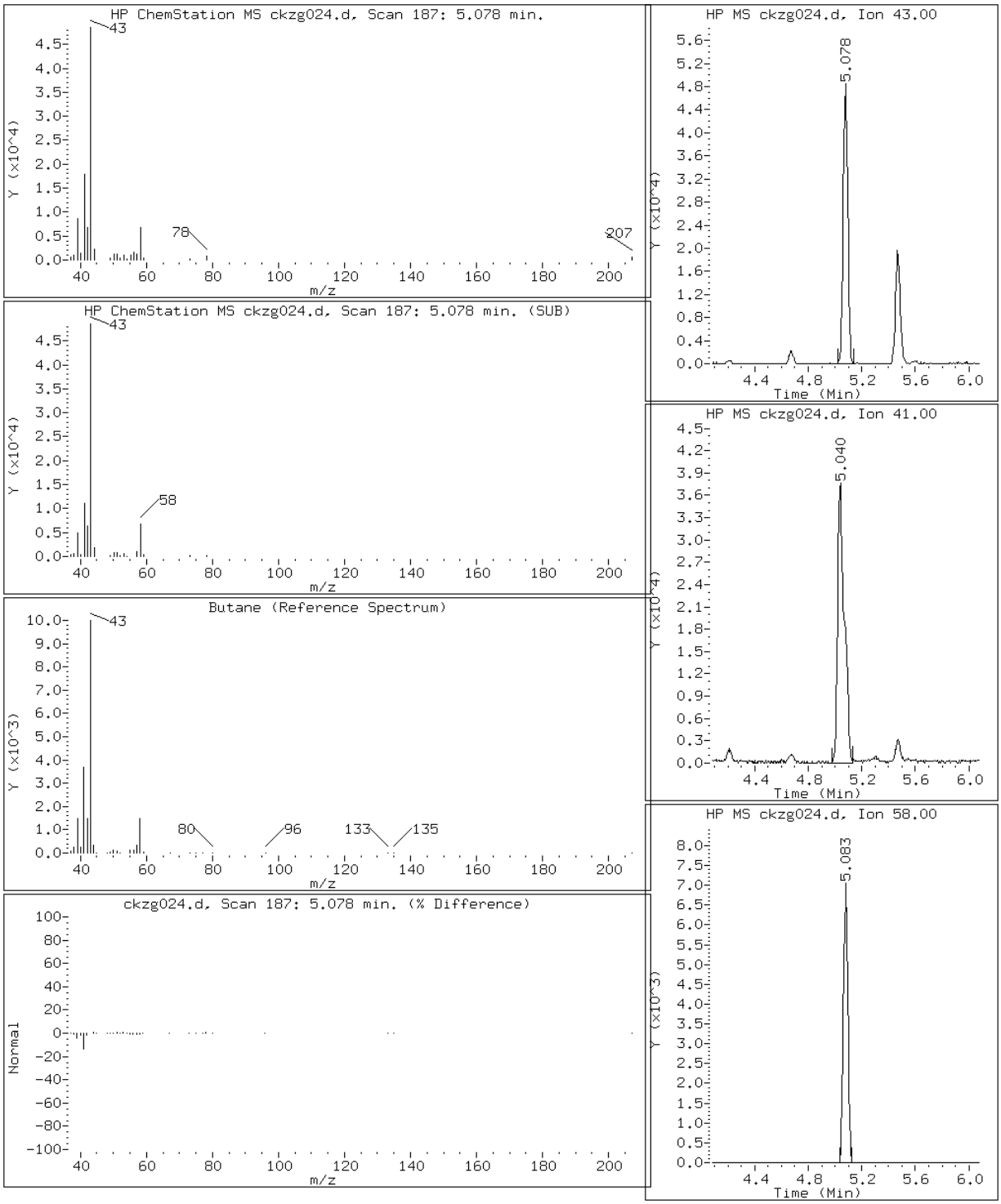
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

6 Butane



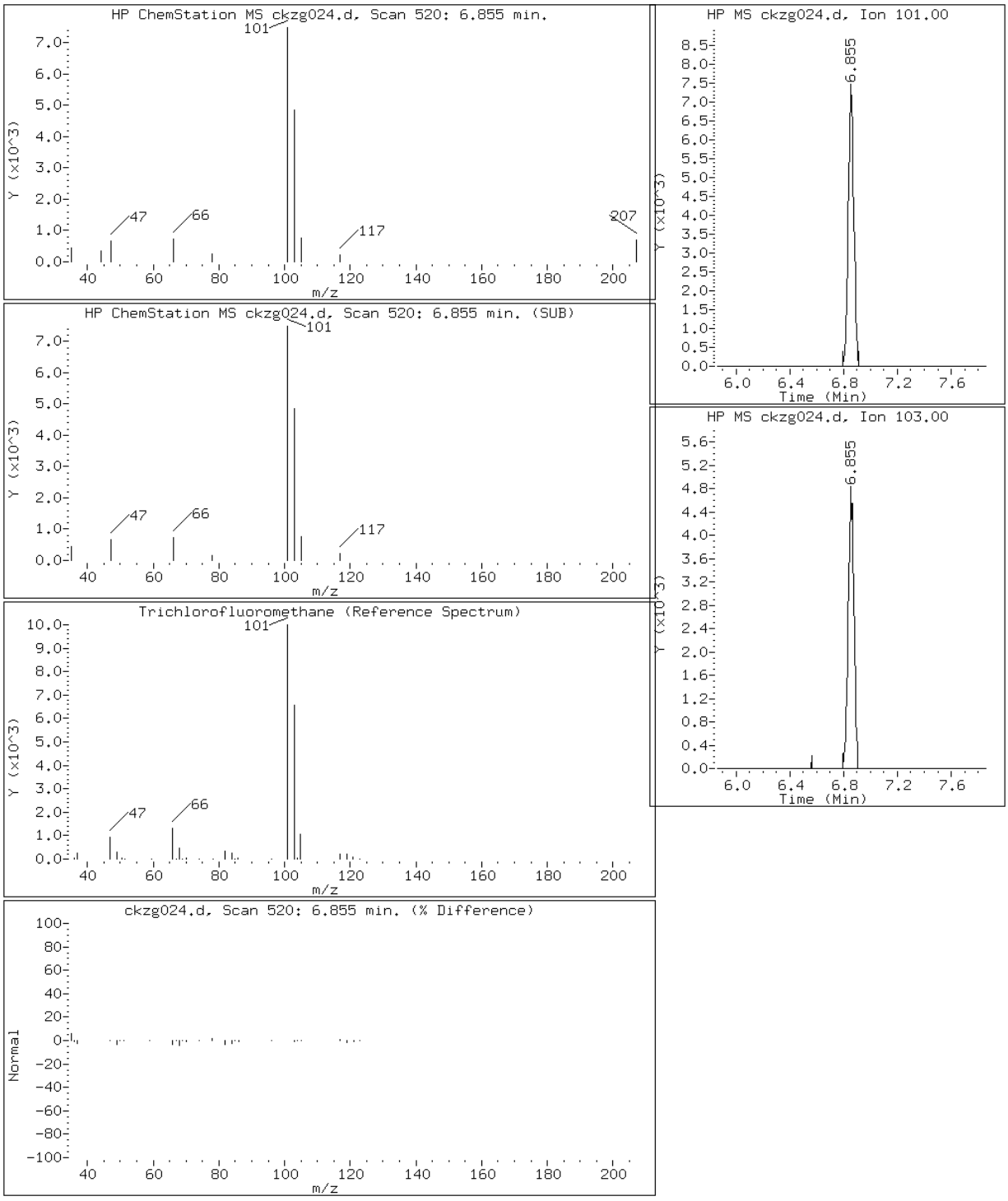
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

13 Trichlorofluoromethane



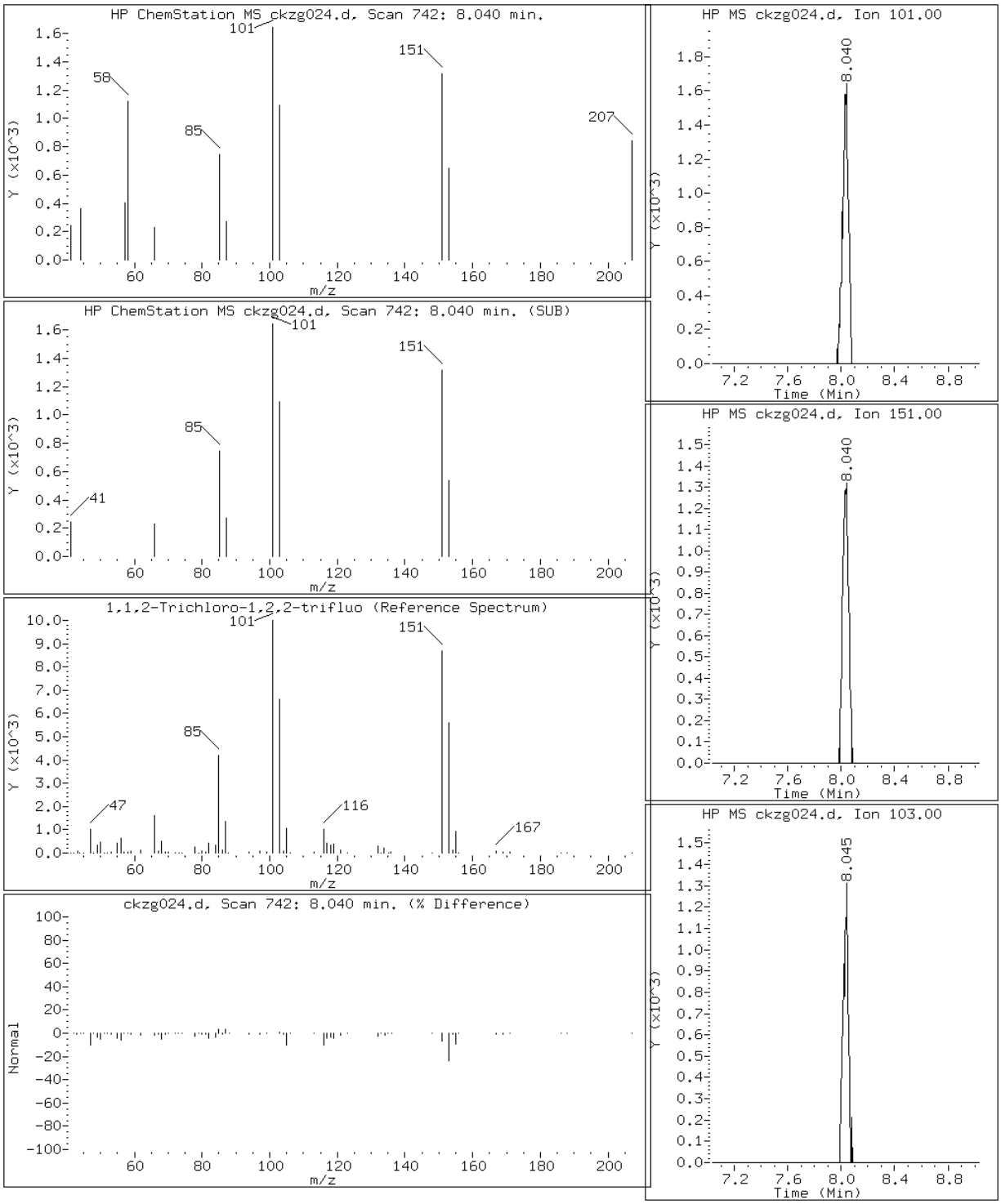
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



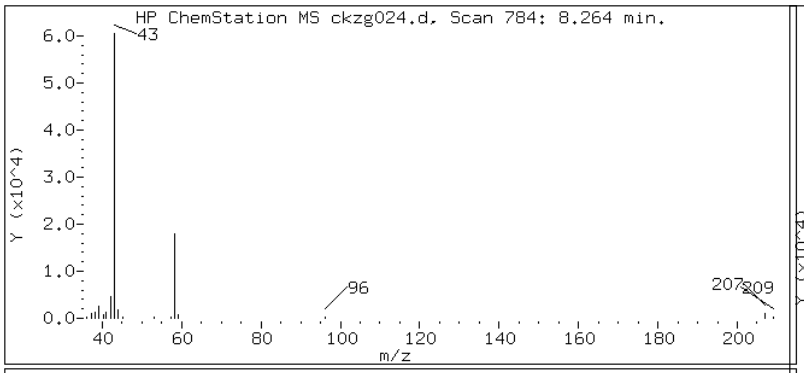
Data File: ckzg024.d

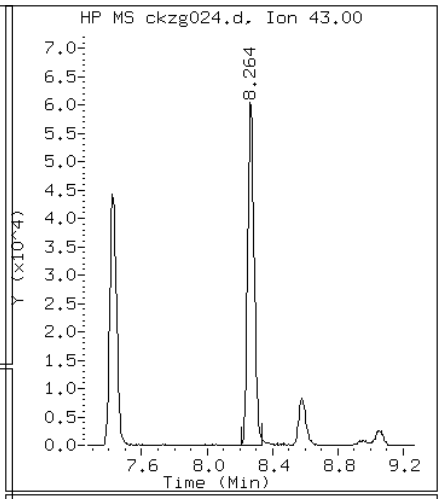
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

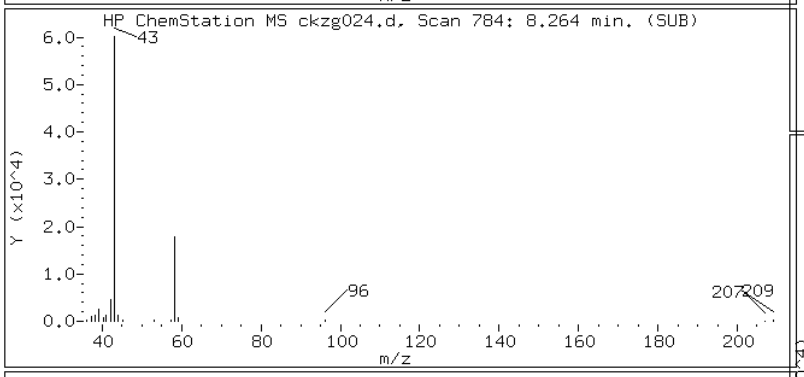
Client ID: 785VMP0202AH Instrument: C.i

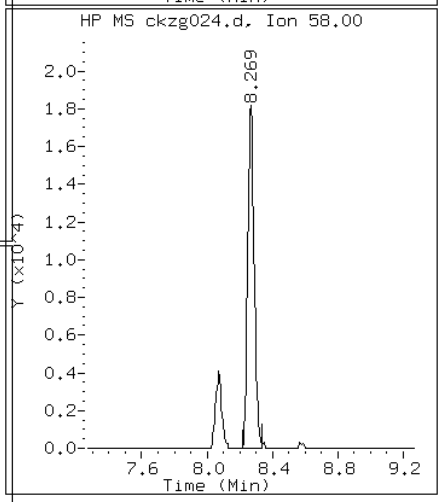
Sample Info: 280-32071-A-18 Operator: pad

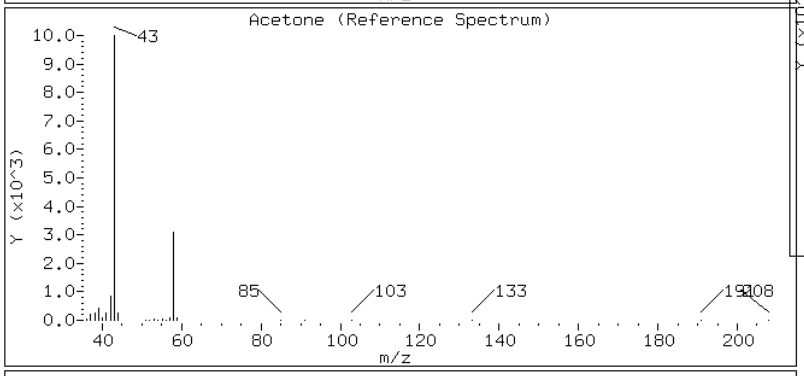
20 Acetone

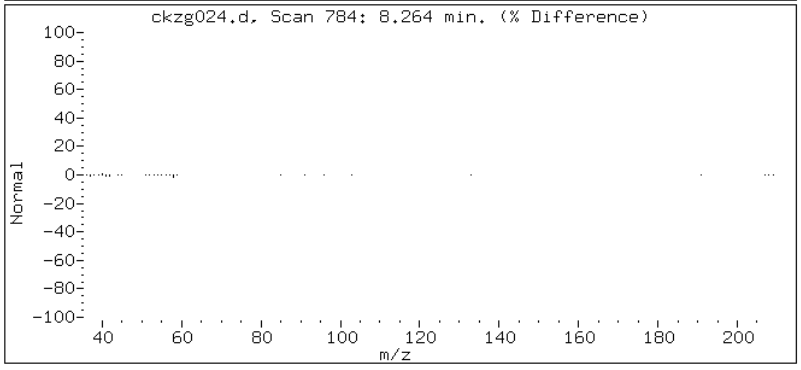












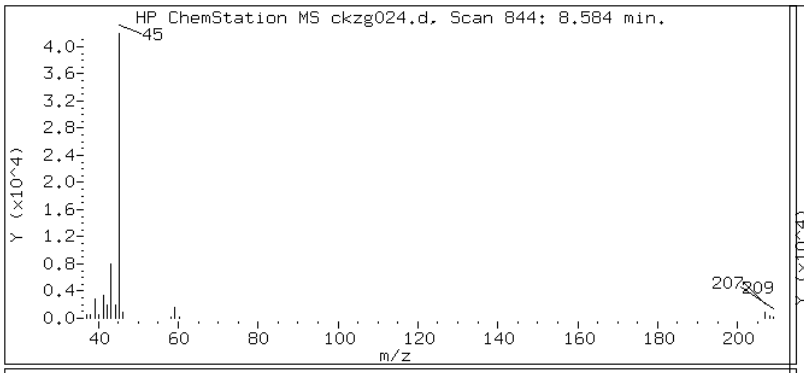
Data File: ckzg024.d

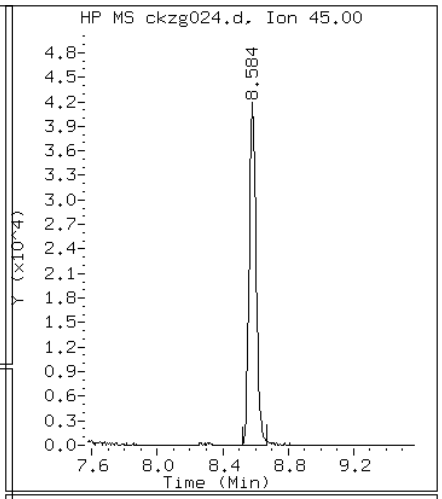
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

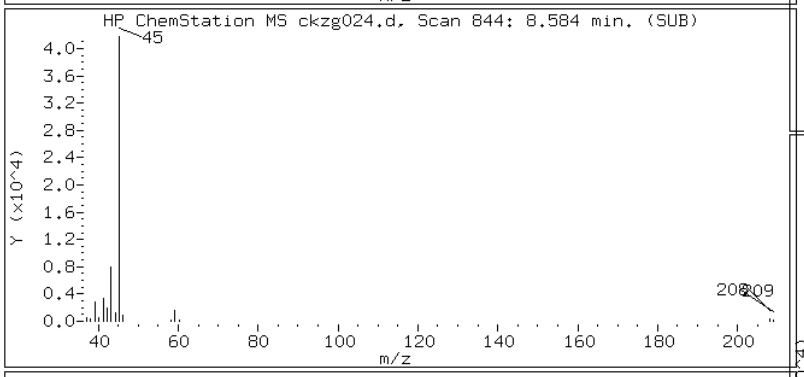
Client ID: 785VMP0202AH Instrument: C.i

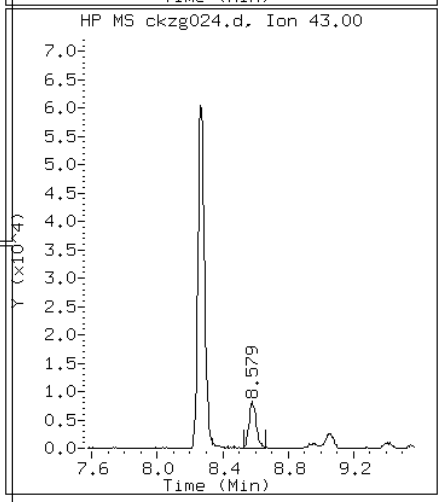
Sample Info: 280-32071-A-18 Operator: pad

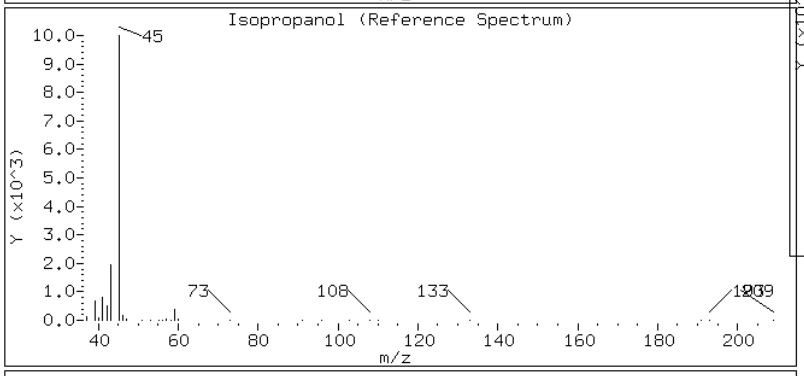
22 Isopropanol

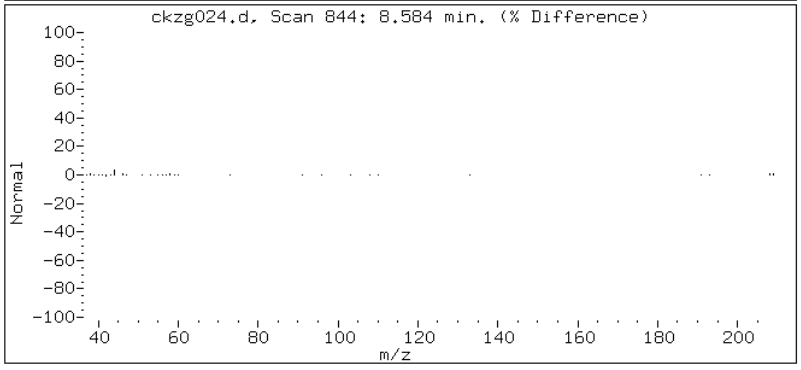












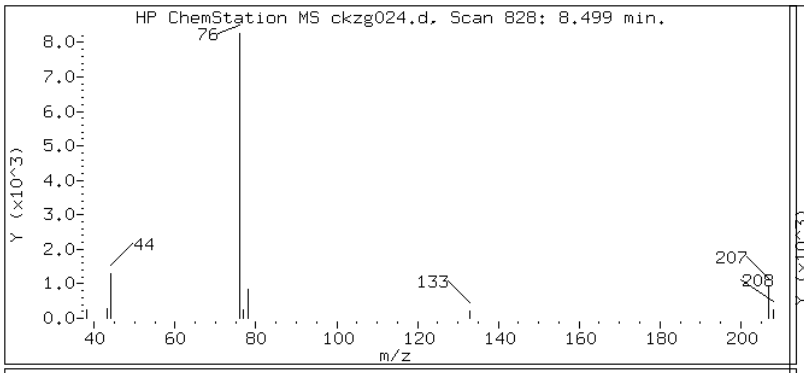
Data File: ckzg024.d

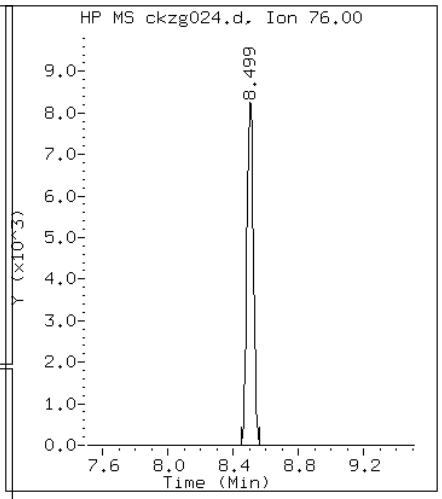
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

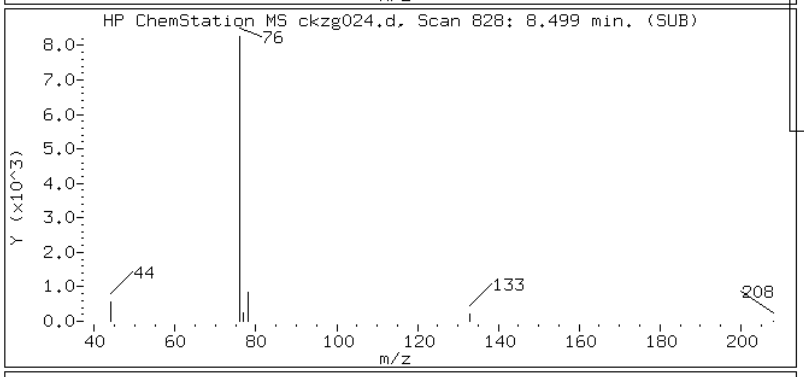
Client ID: 785VMP0202AH Instrument: C.i

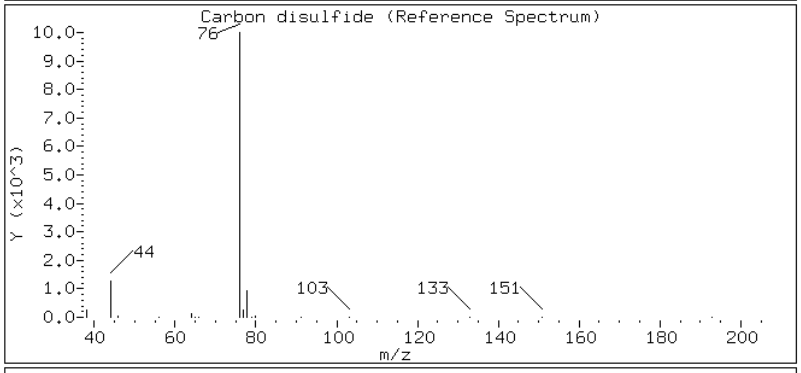
Sample Info: 280-32071-A-18 Operator: pad

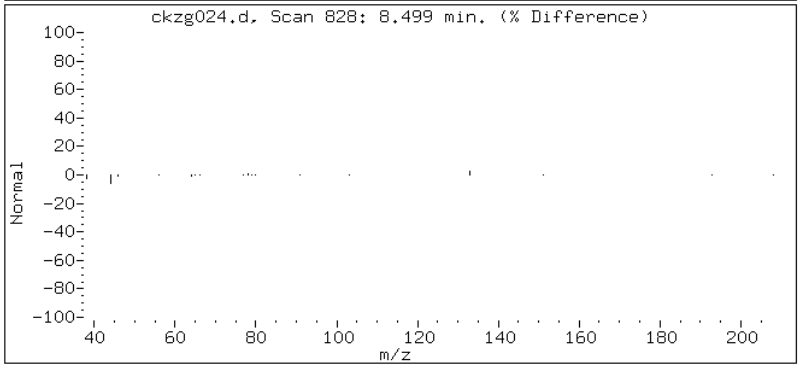
21 Carbon disulfide











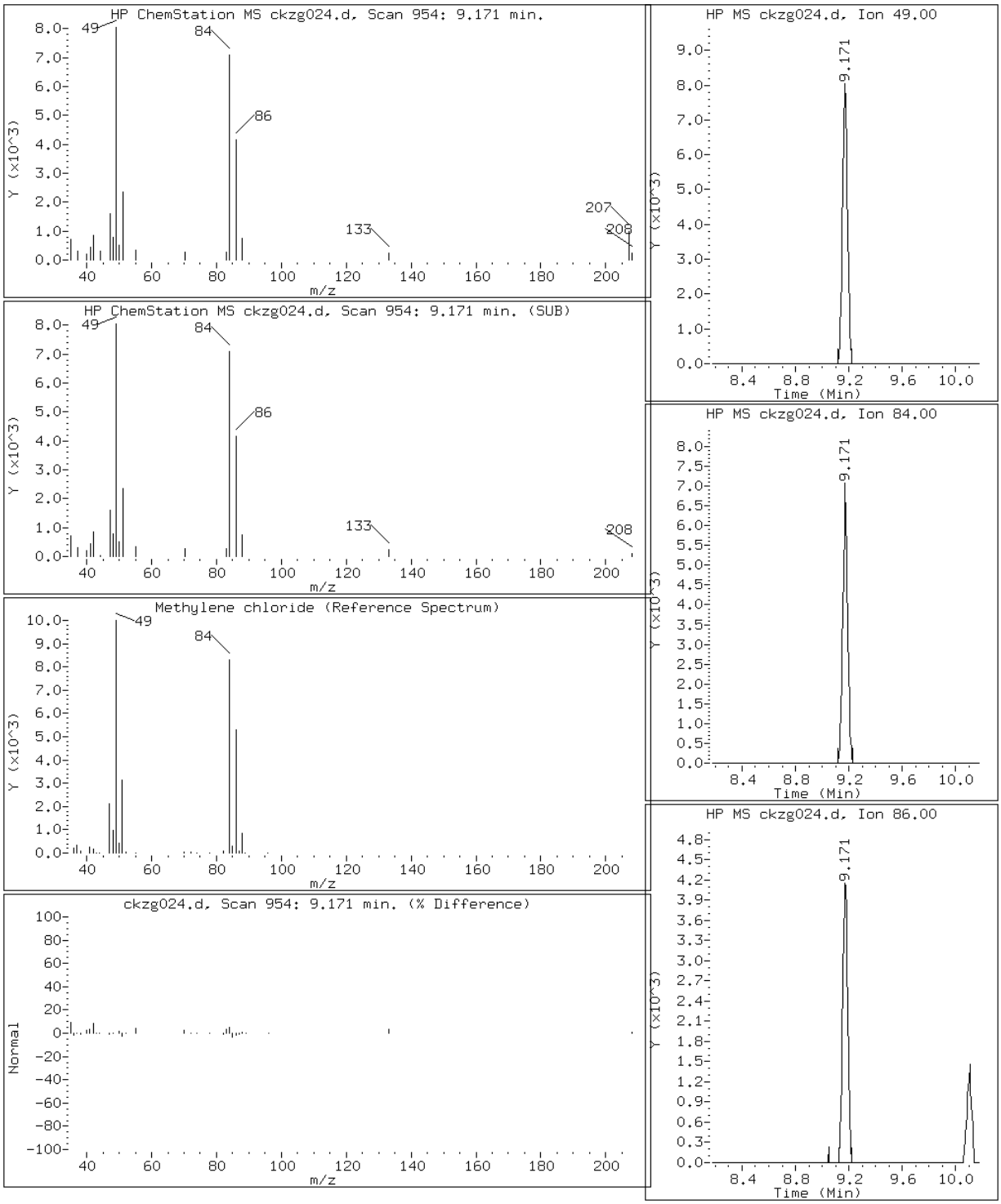
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

25 Methylene chloride



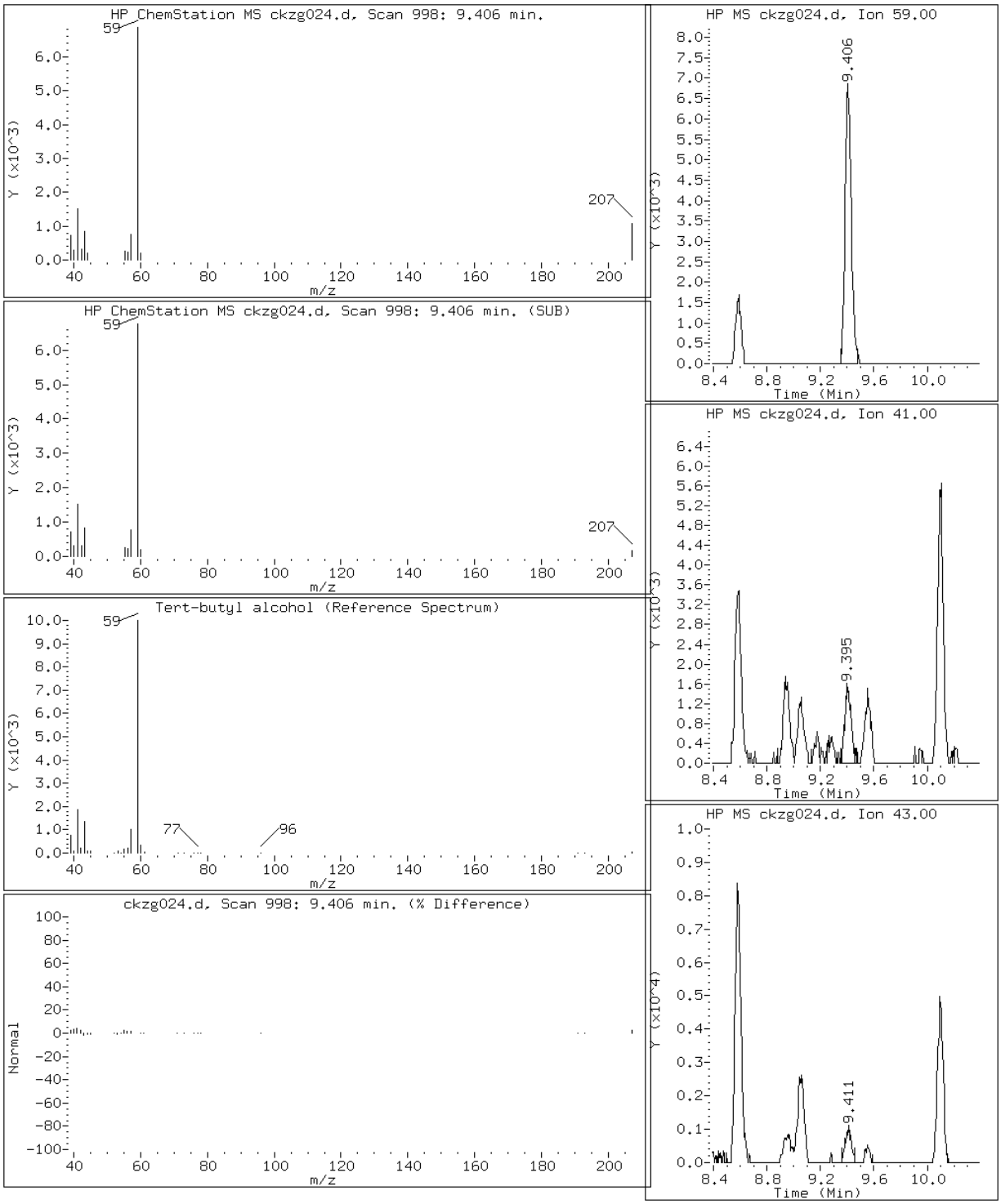
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

26 Tert-butyl alcohol



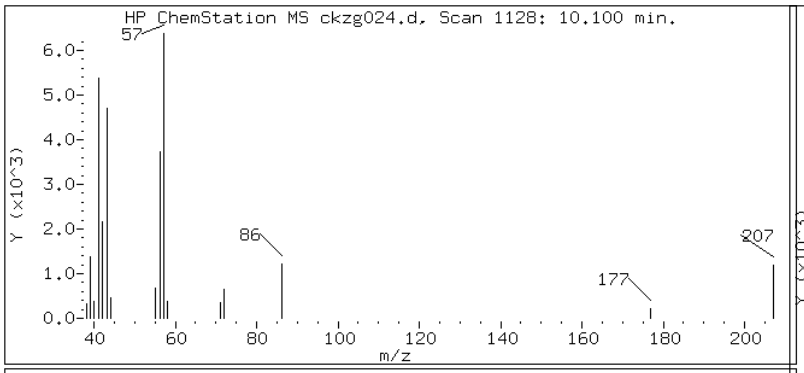
Data File: ckzg024.d

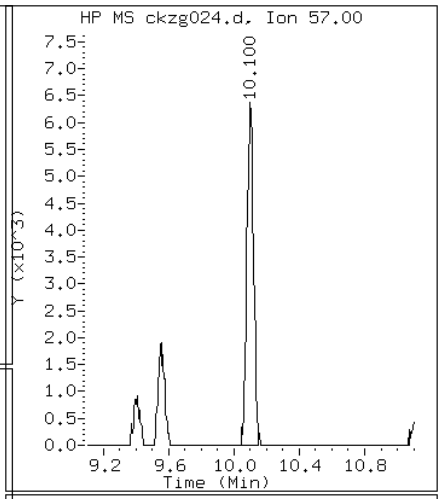
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

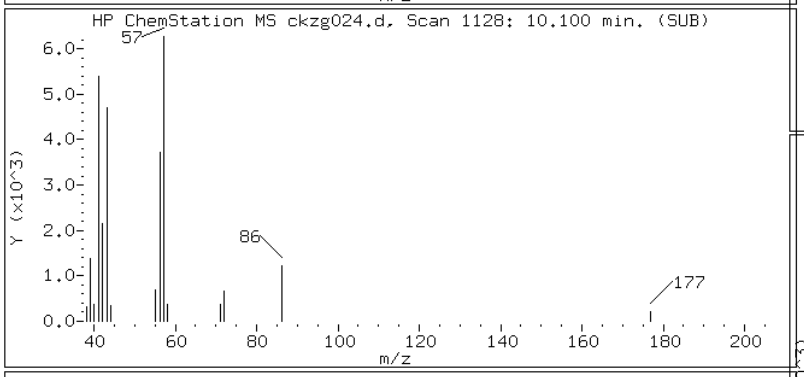
Client ID: 785VMP0202AH Instrument: C.i

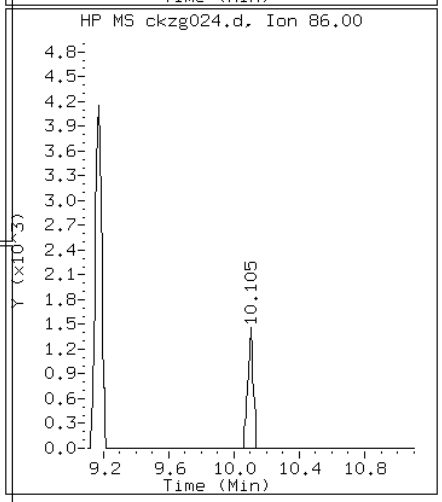
Sample Info: 280-32071-A-18 Operator: pad

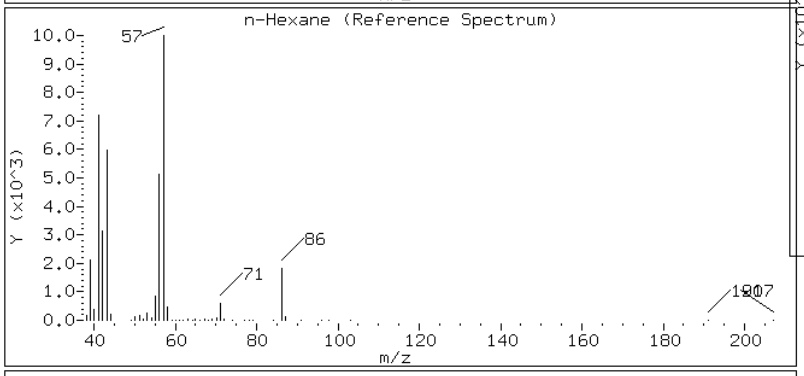
30 n-Hexane

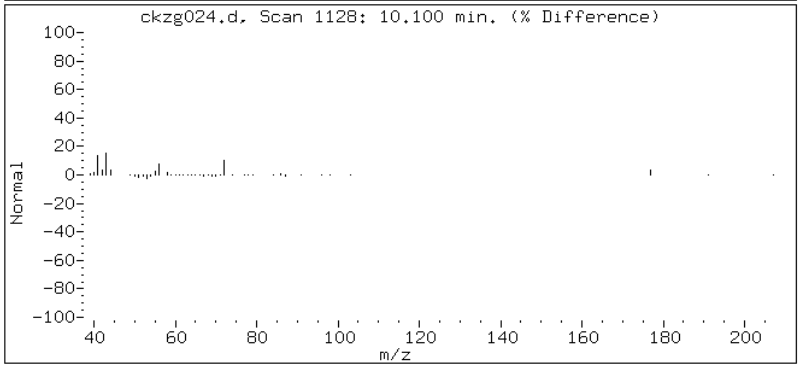












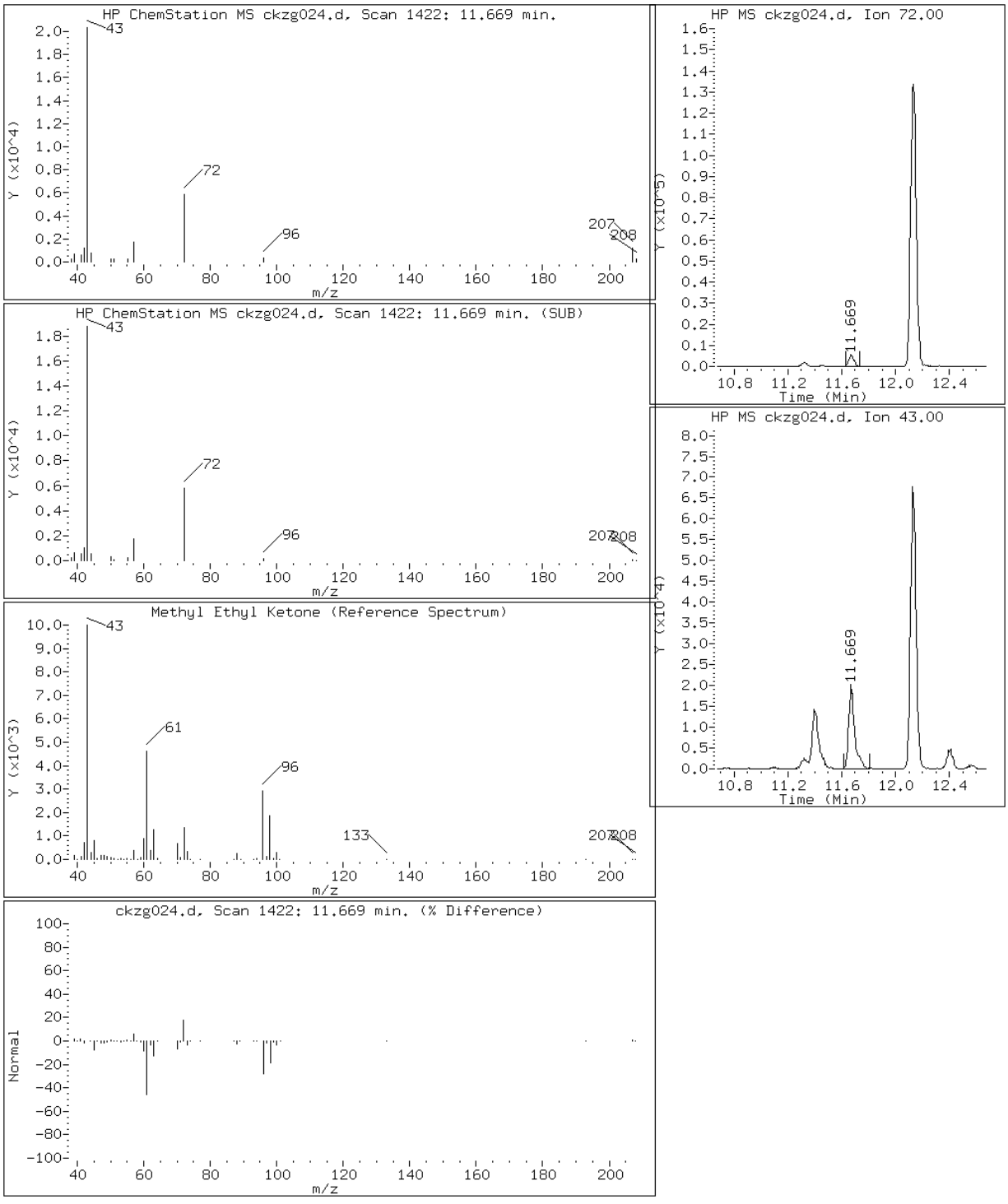
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

36 Methyl Ethyl Ketone



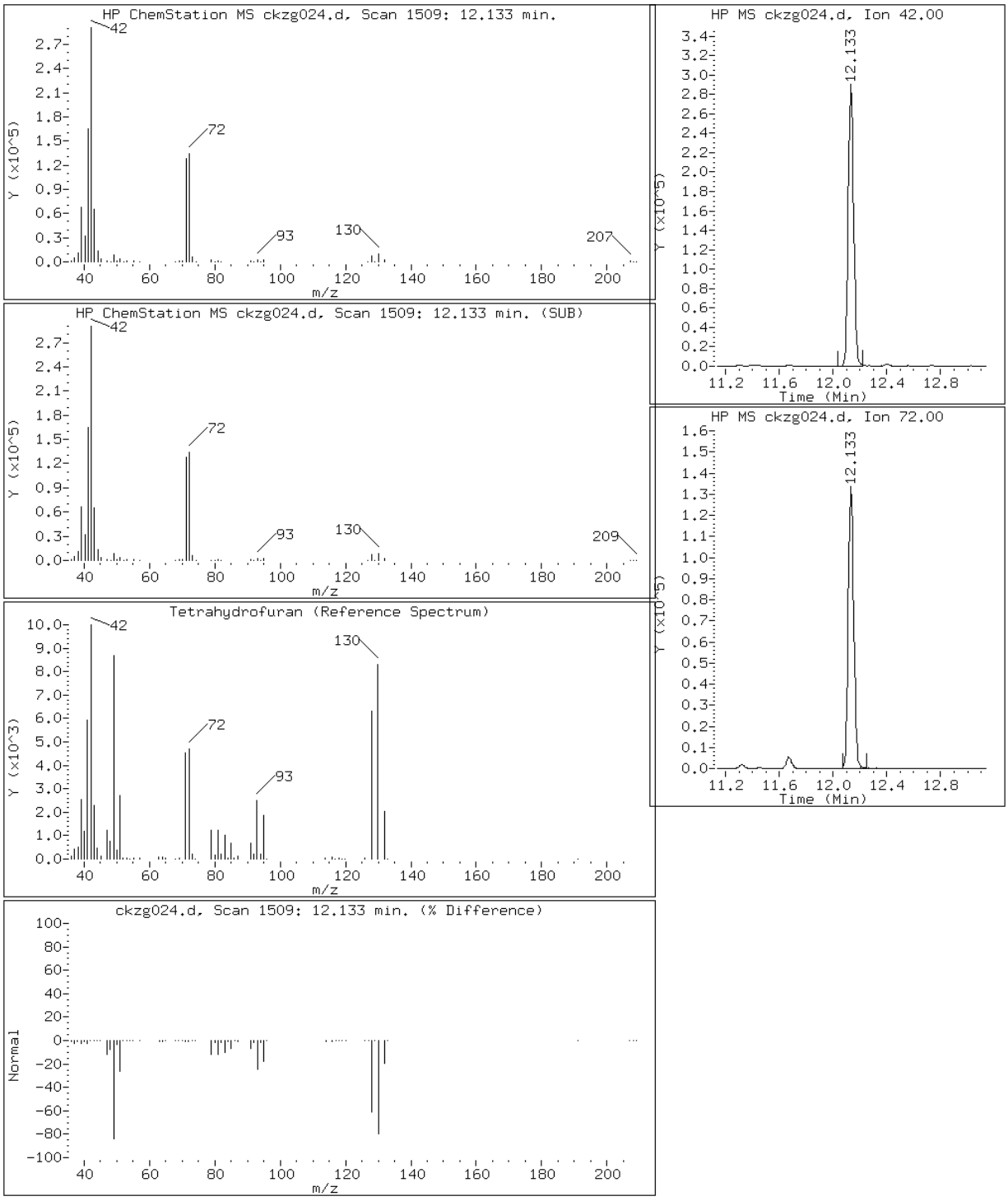
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

38 Tetrahydrofuran



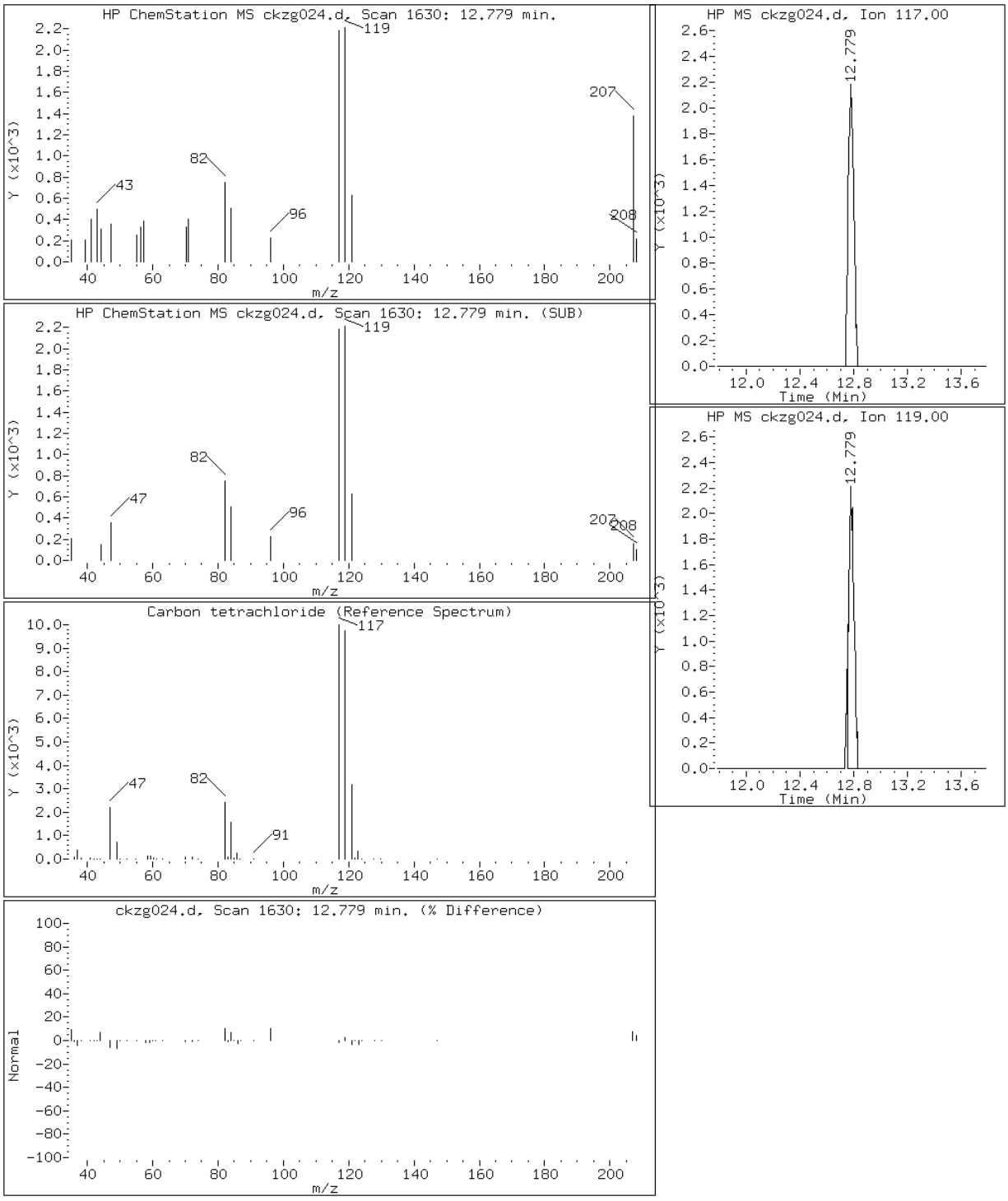
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

42 Carbon tetrachloride



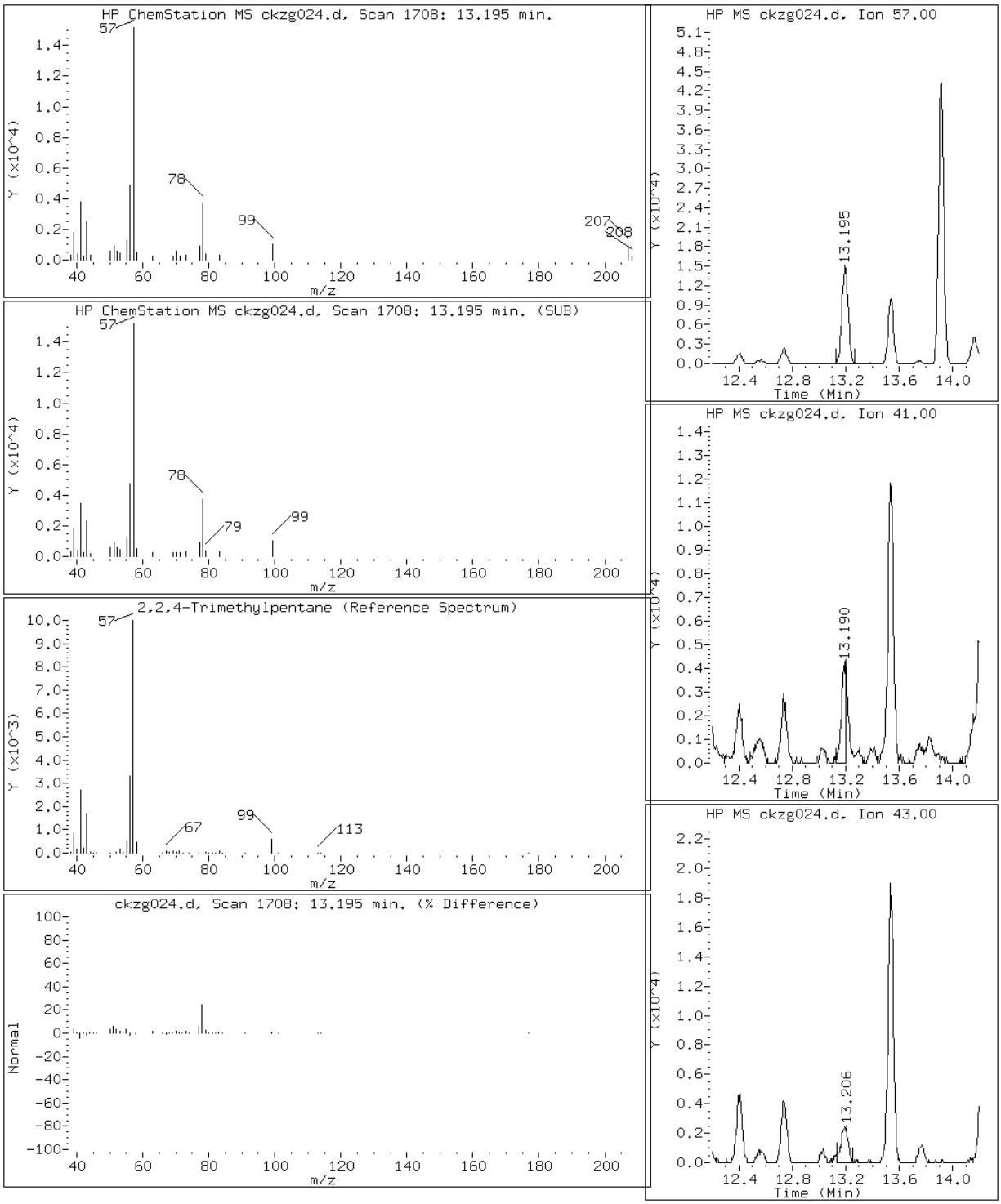
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

43 2,2,4-Trimethylpentane



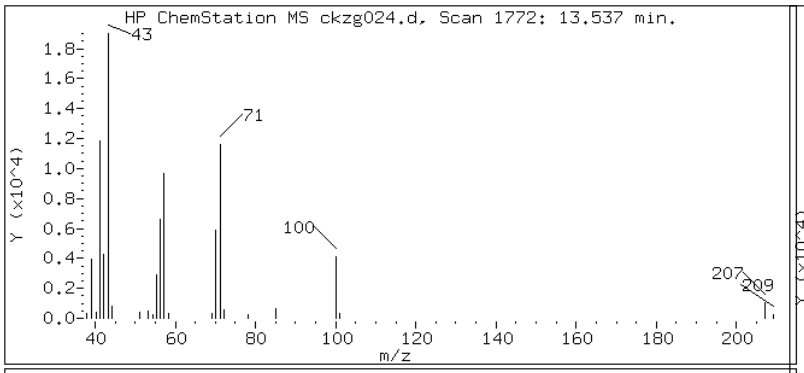
Data File: ckzg024.d

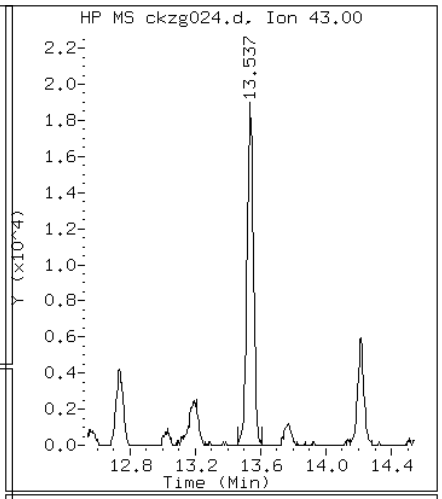
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

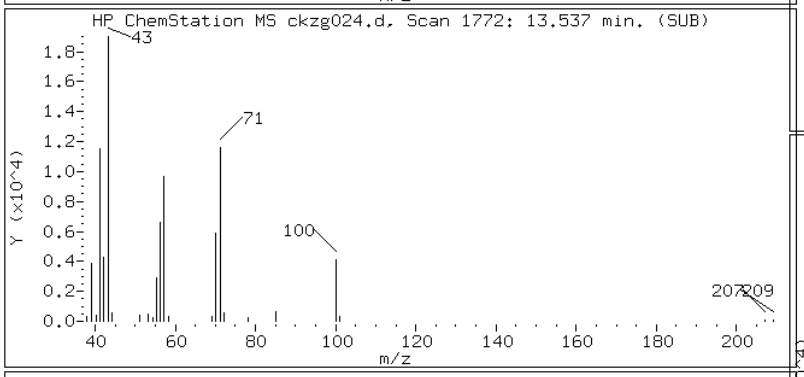
Client ID: 785VMP0202AH Instrument: C.i

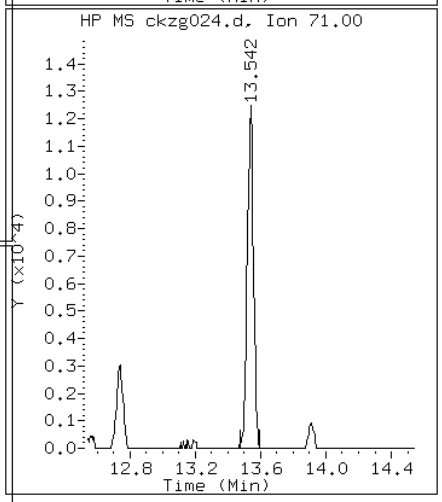
Sample Info: 280-32071-A-18 Operator: pad

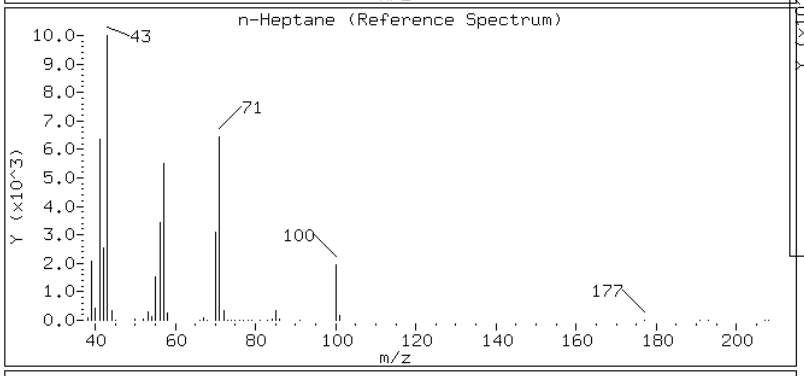
46 n-Heptane

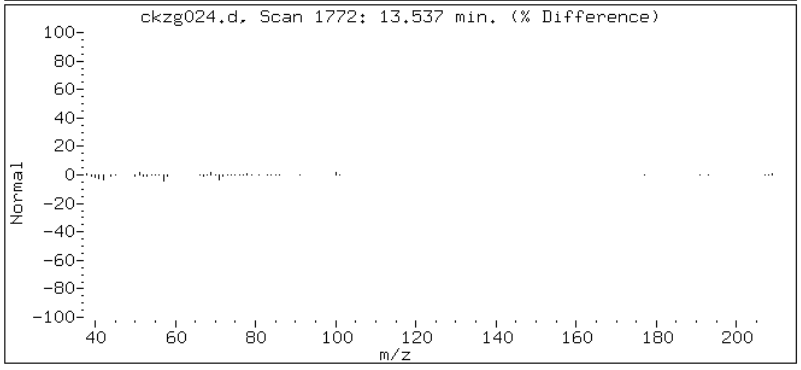












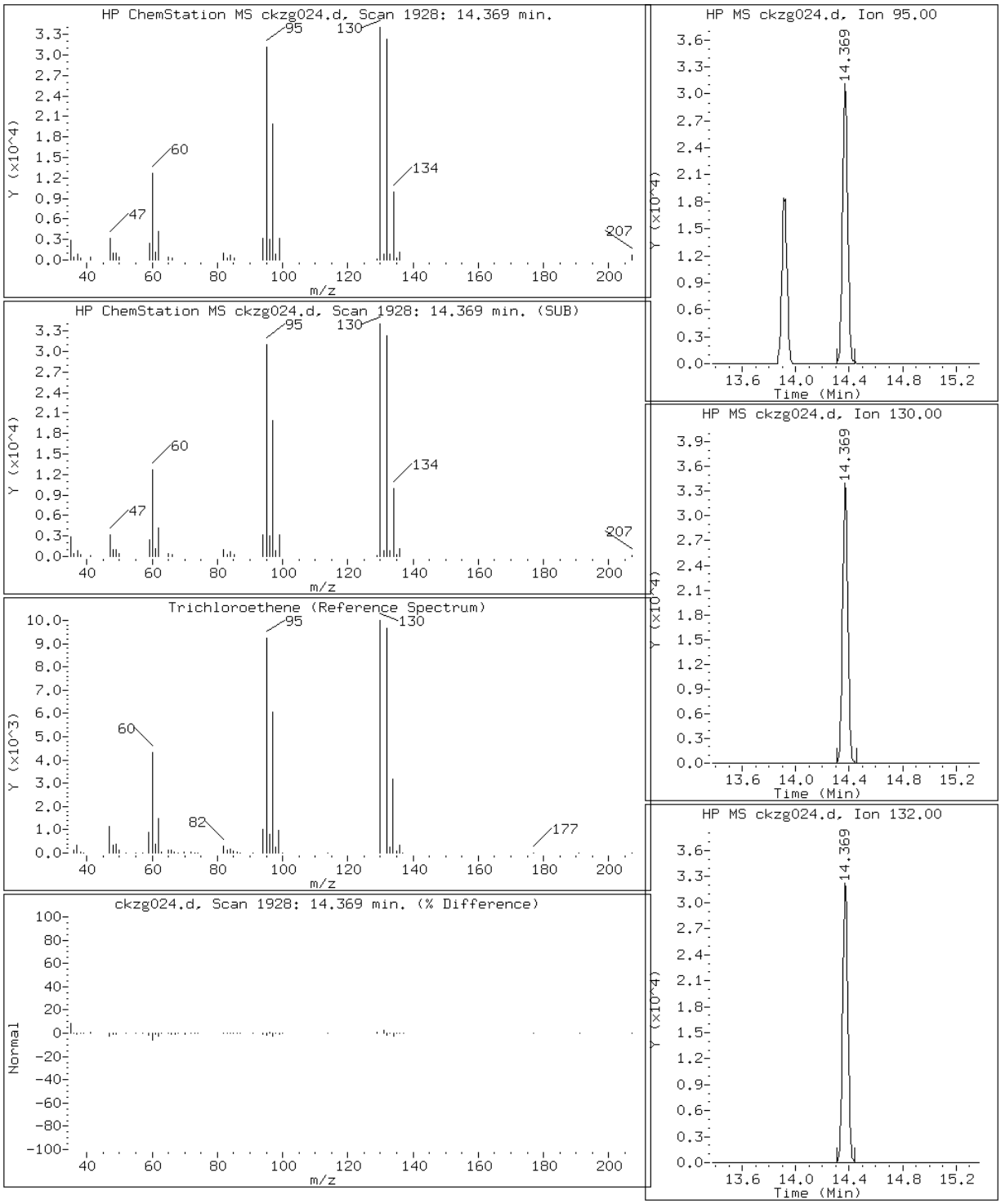
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

49 Trichloroethene



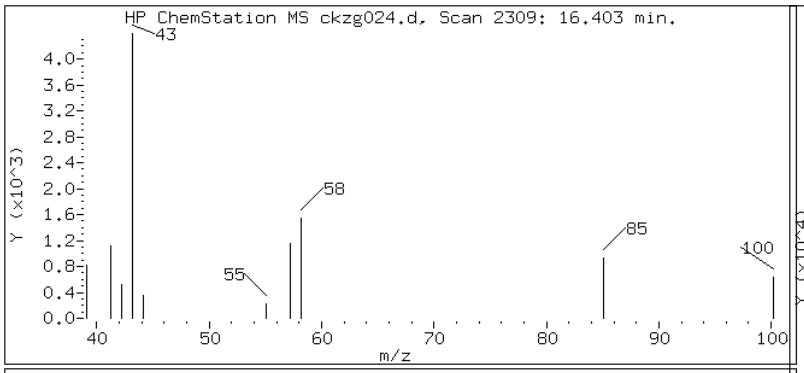
Data File: ckzg024.d

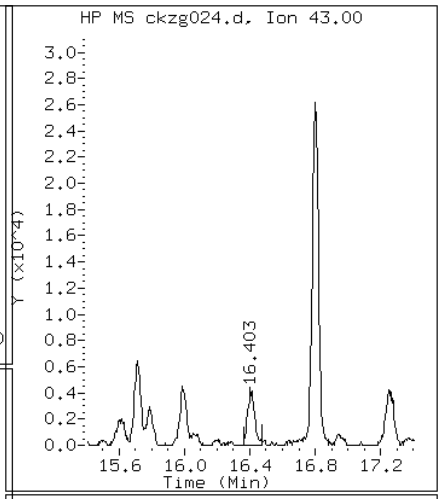
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

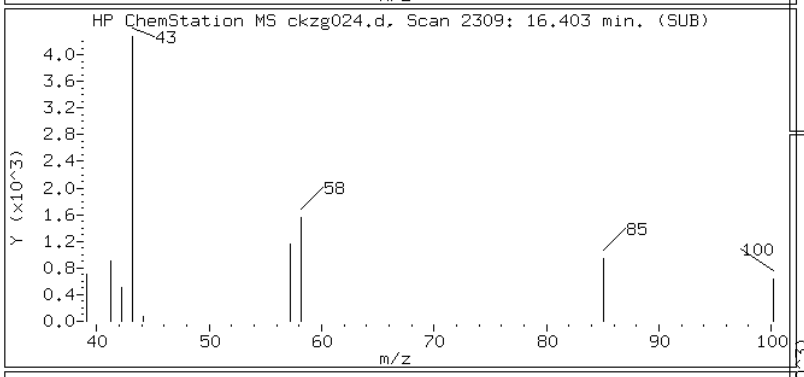
Client ID: 785VMP0202AH Instrument: C.i

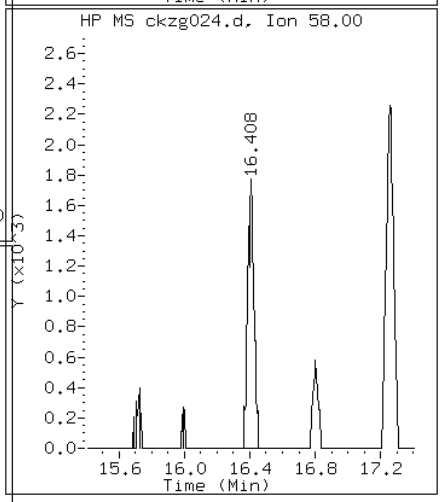
Sample Info: 280-32071-A-18 Operator: pad

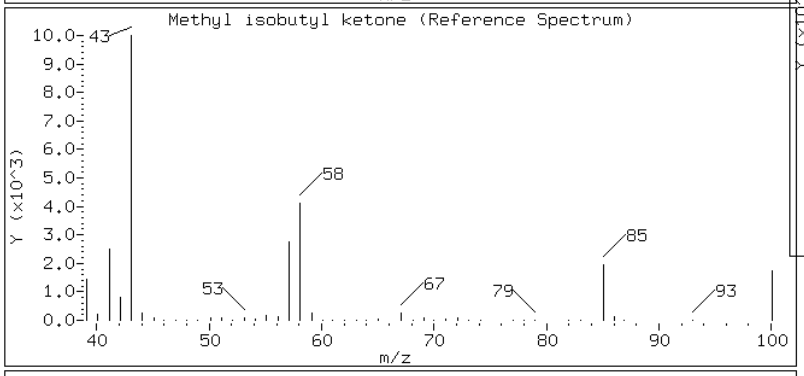
56 Methyl isobutyl ketone

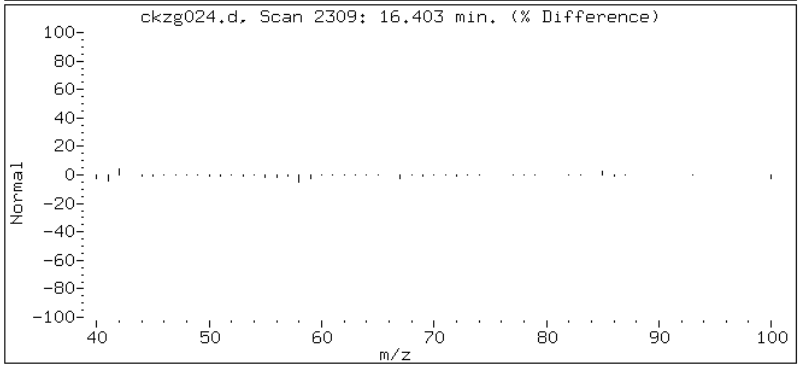












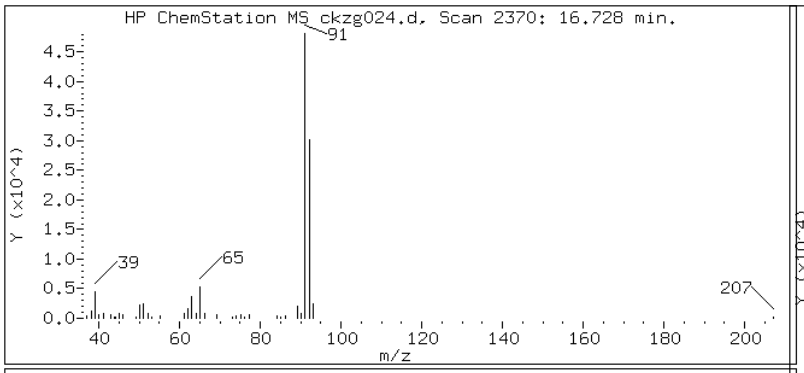
Data File: ckzg024.d

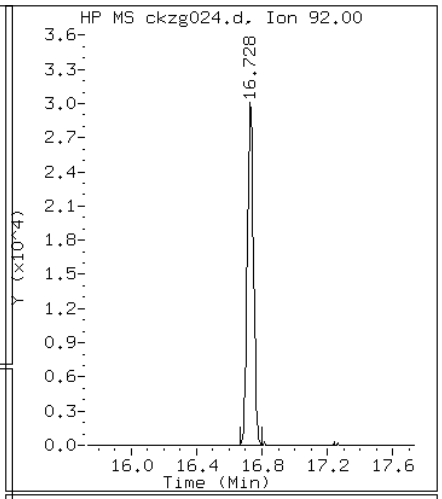
Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

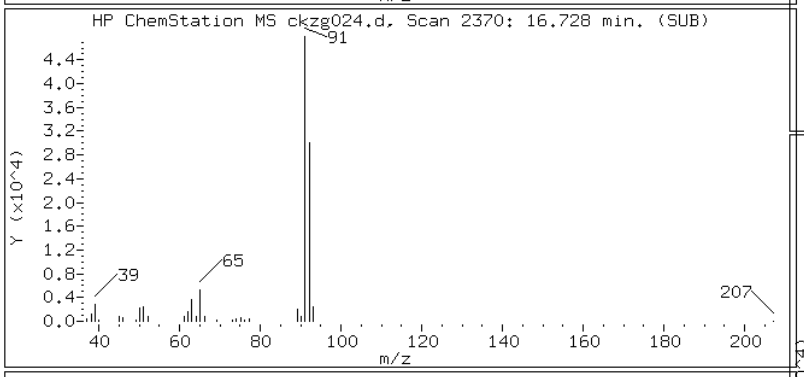
Client ID: 785VMP0202AH Instrument: C.i

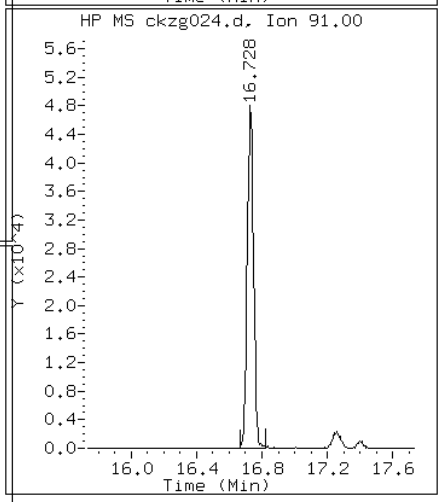
Sample Info: 280-32071-A-18 Operator: pad

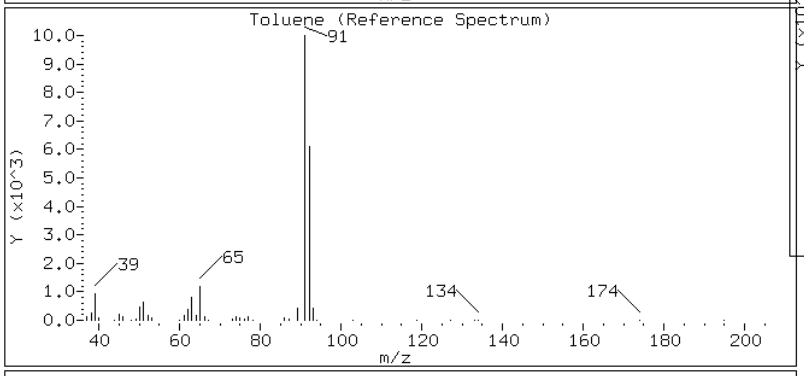
58 Toluene

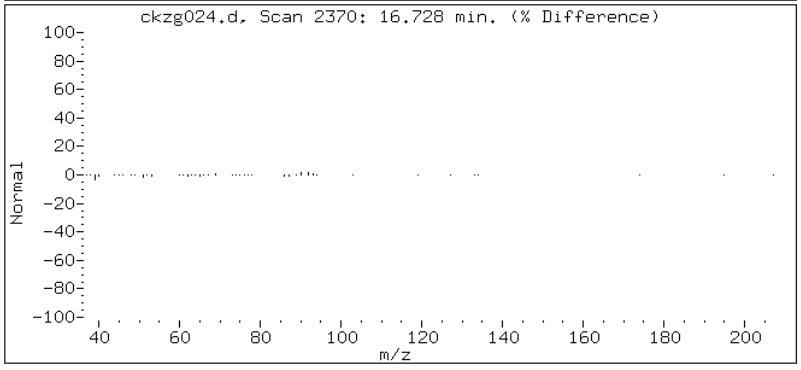












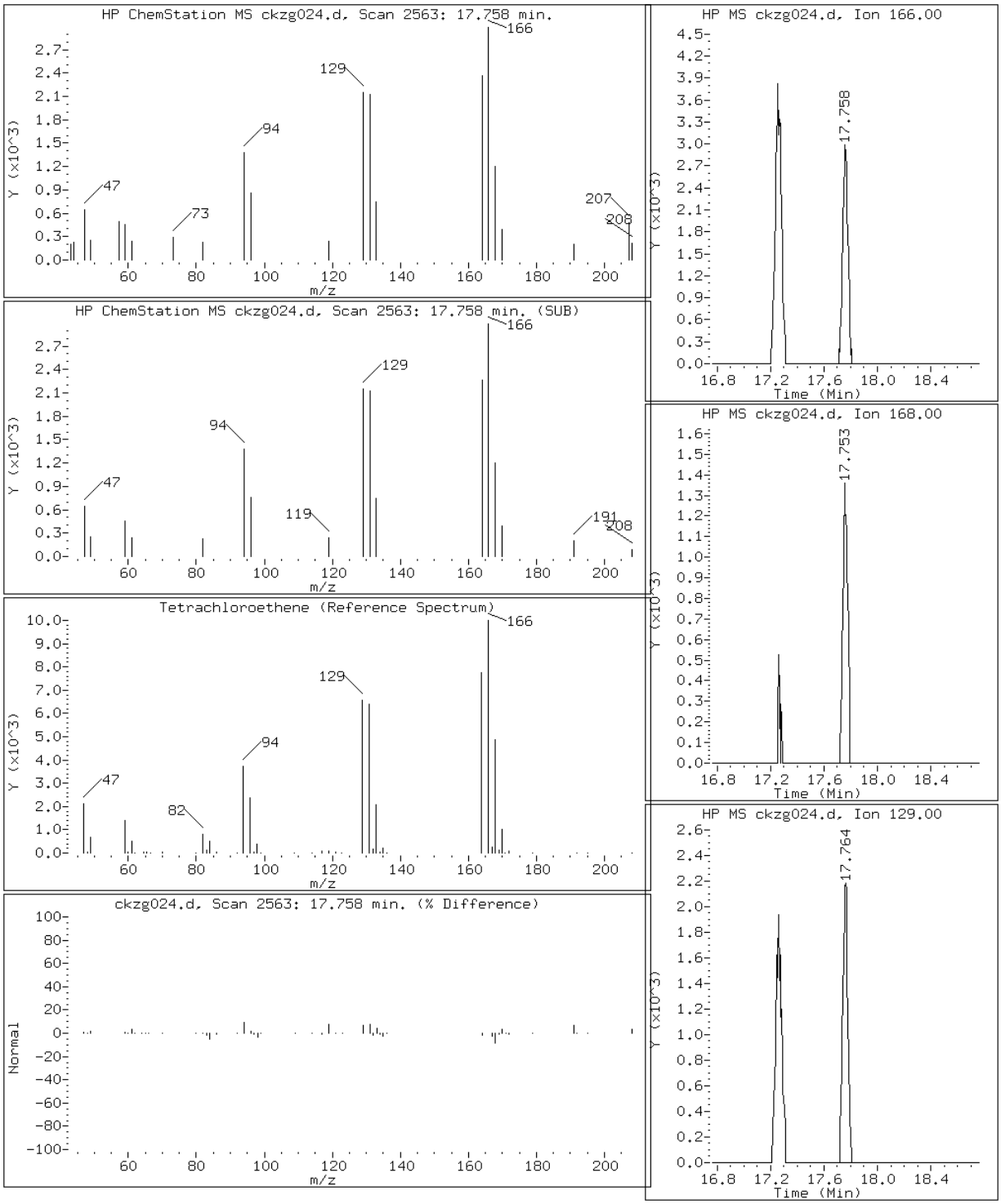
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

61 Tetrachloroethene



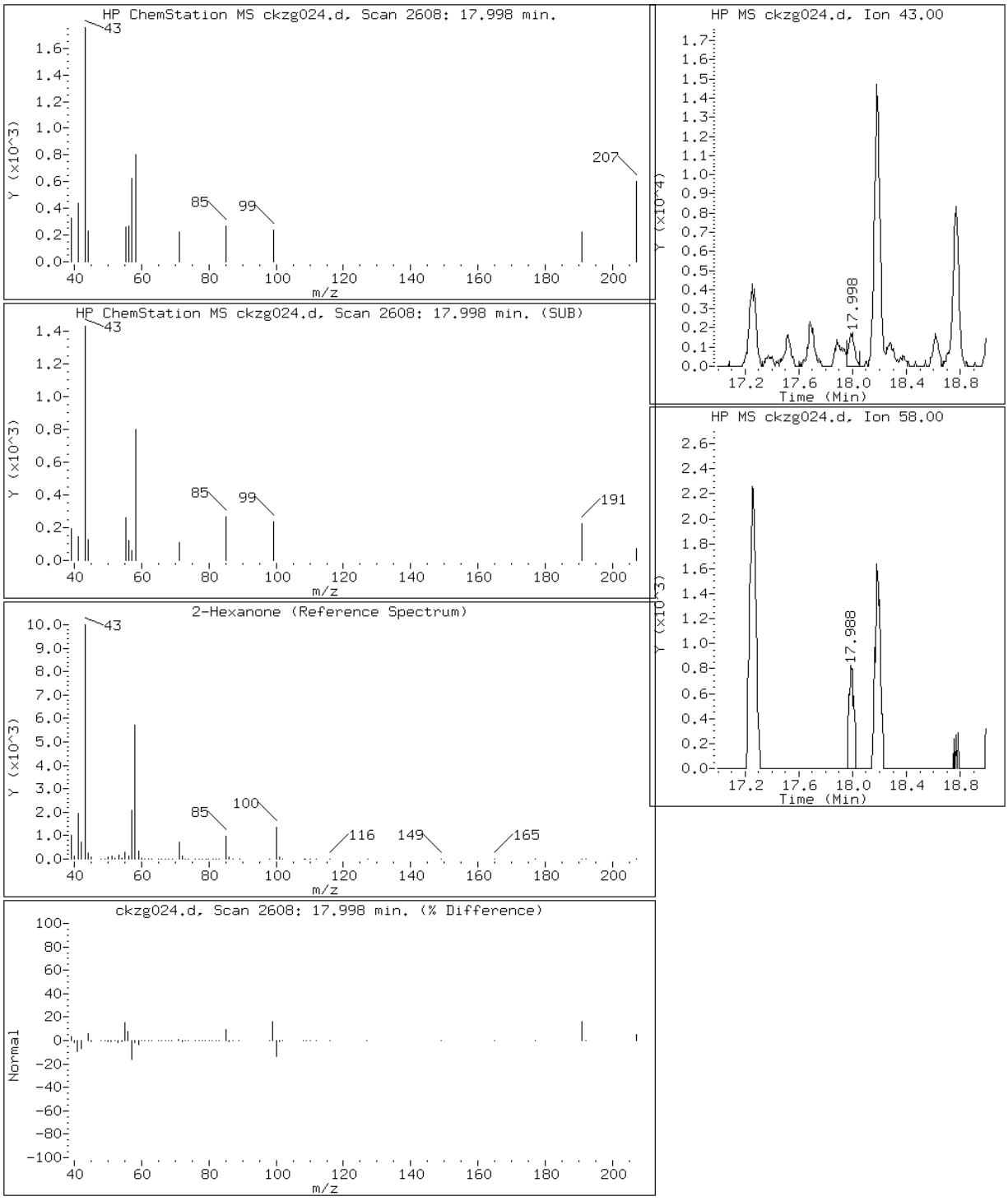
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

62 2-Hexanone



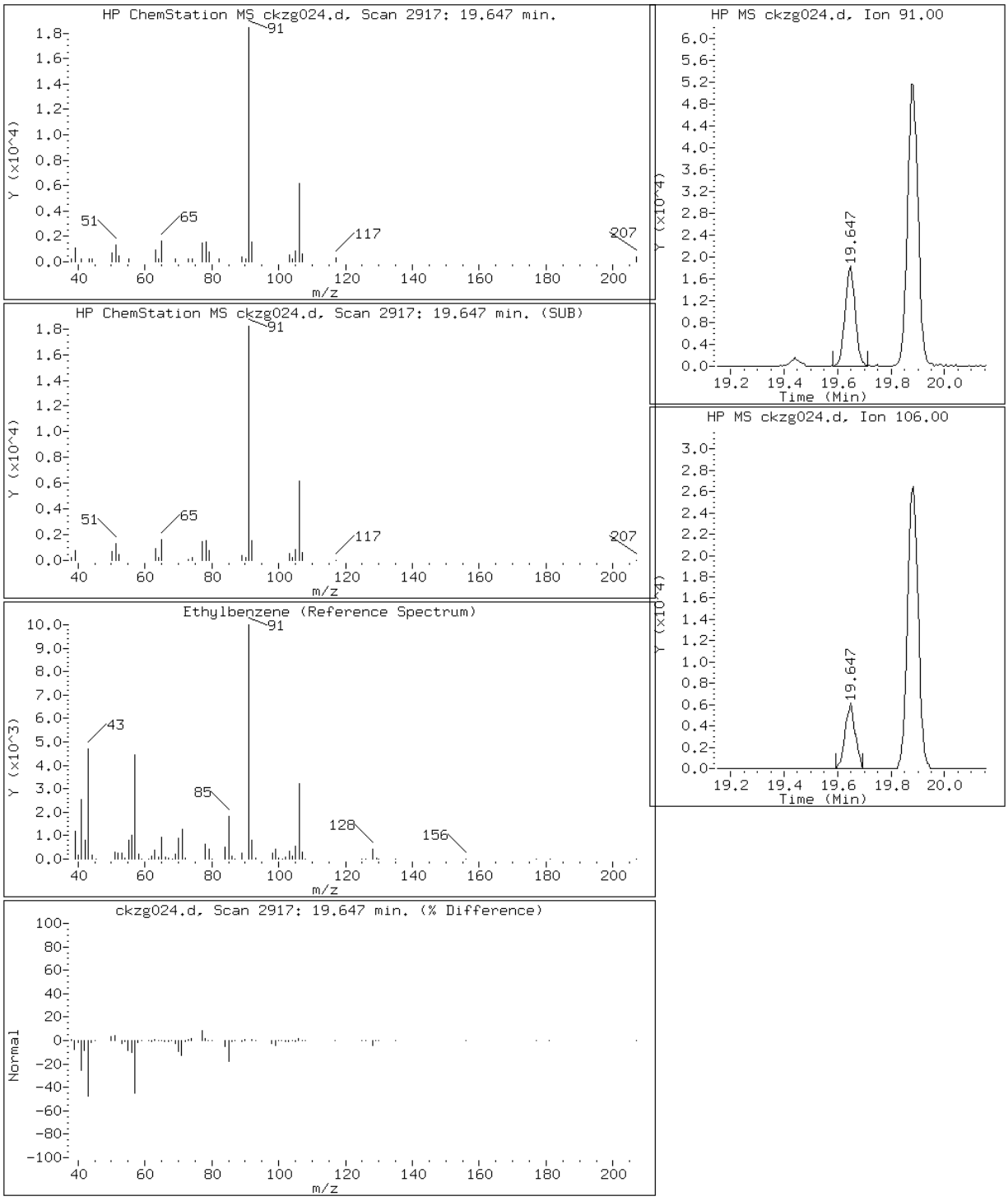
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

68 Ethylbenzene



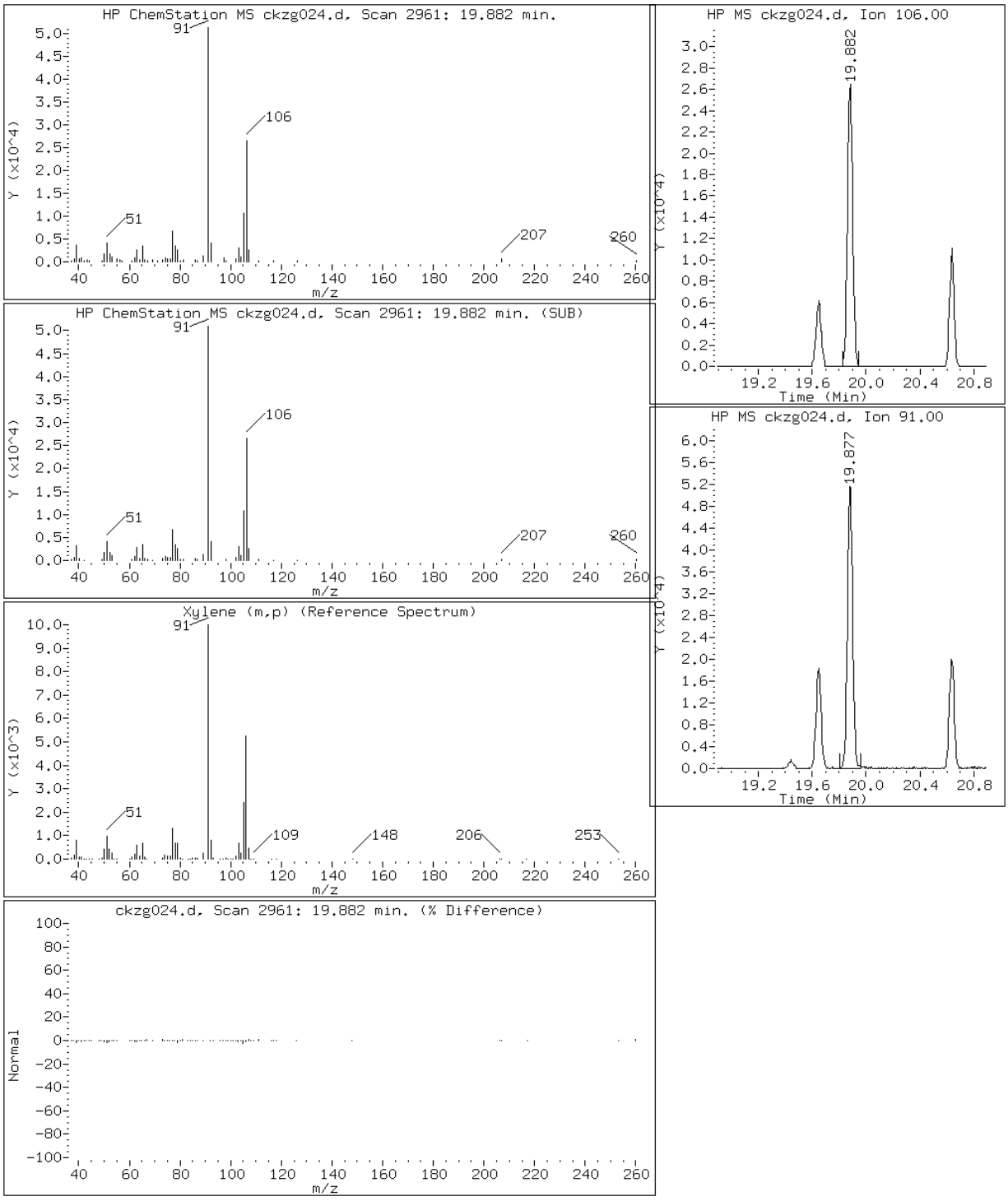
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

69 Xylene (m,p)



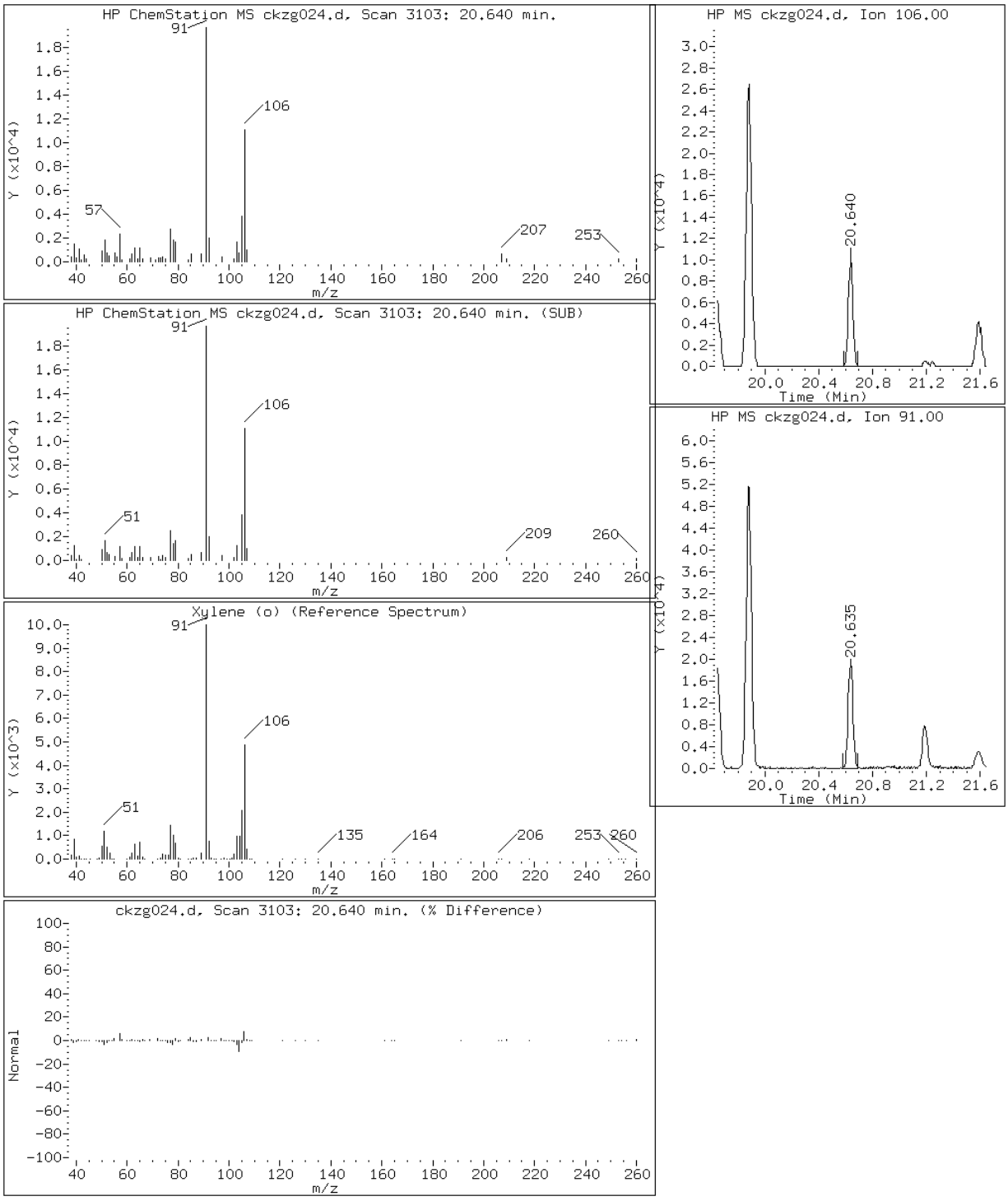
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

71 Xylene (o)



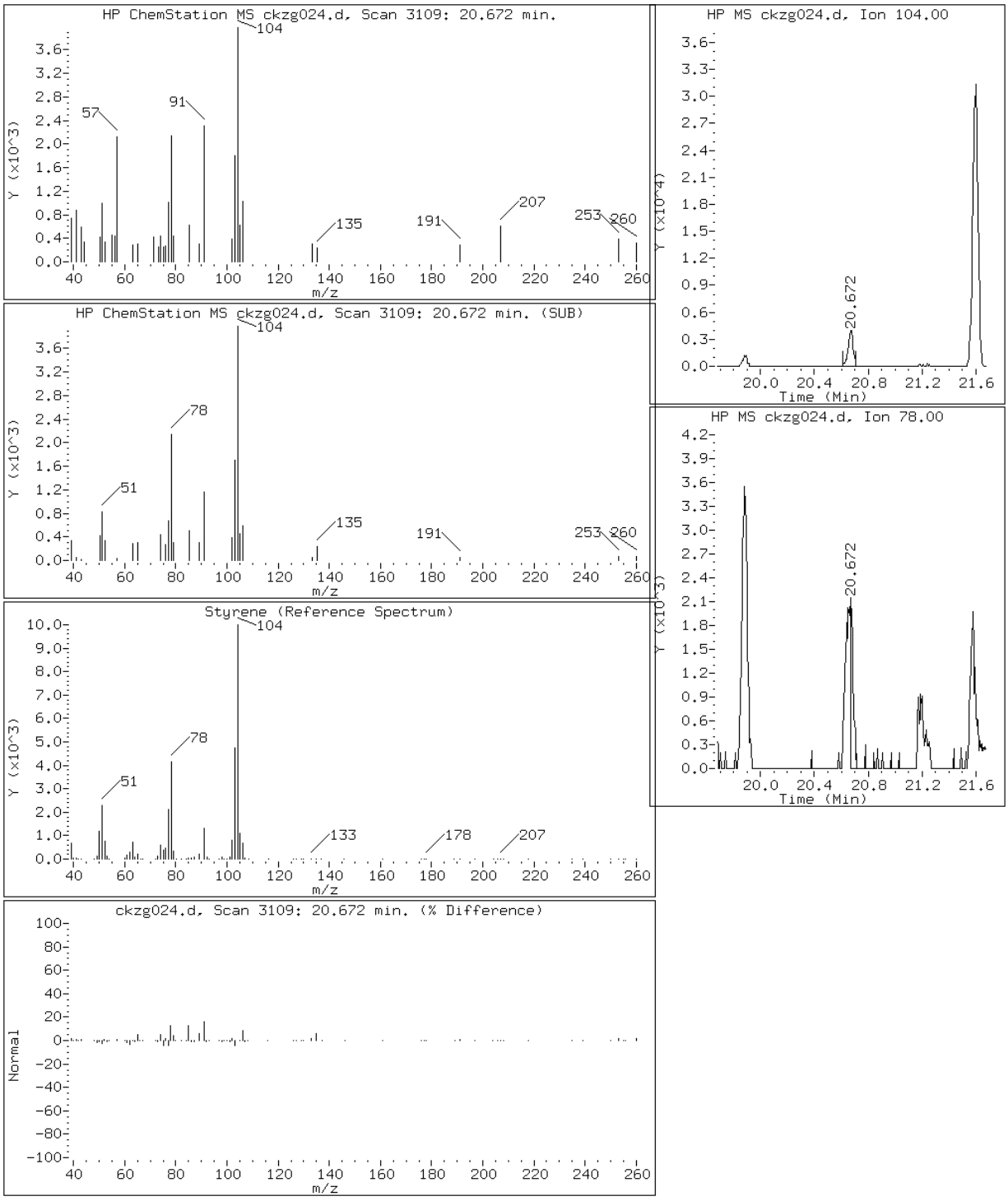
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

72 Styrene



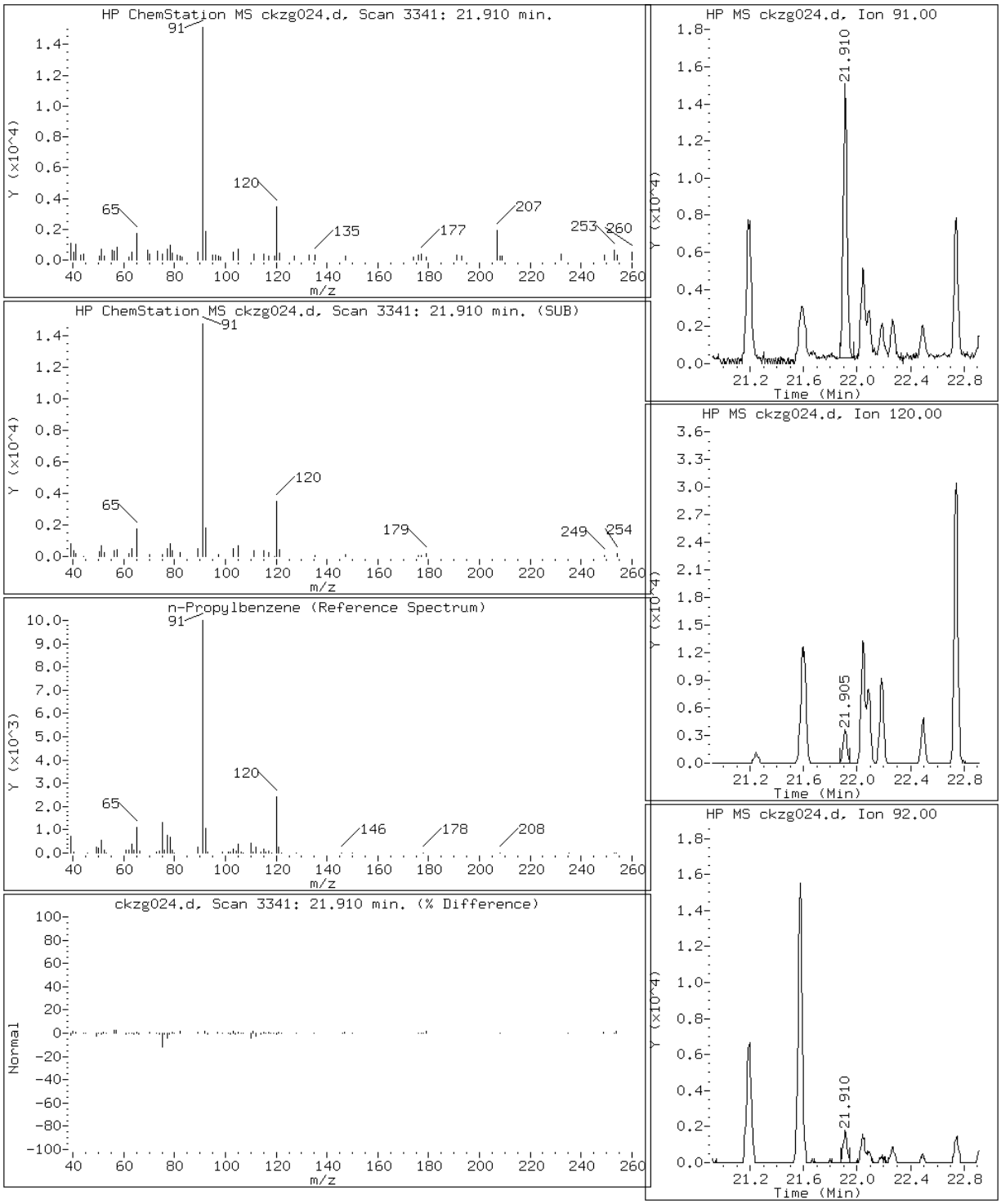
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

76 n-Propylbenzene



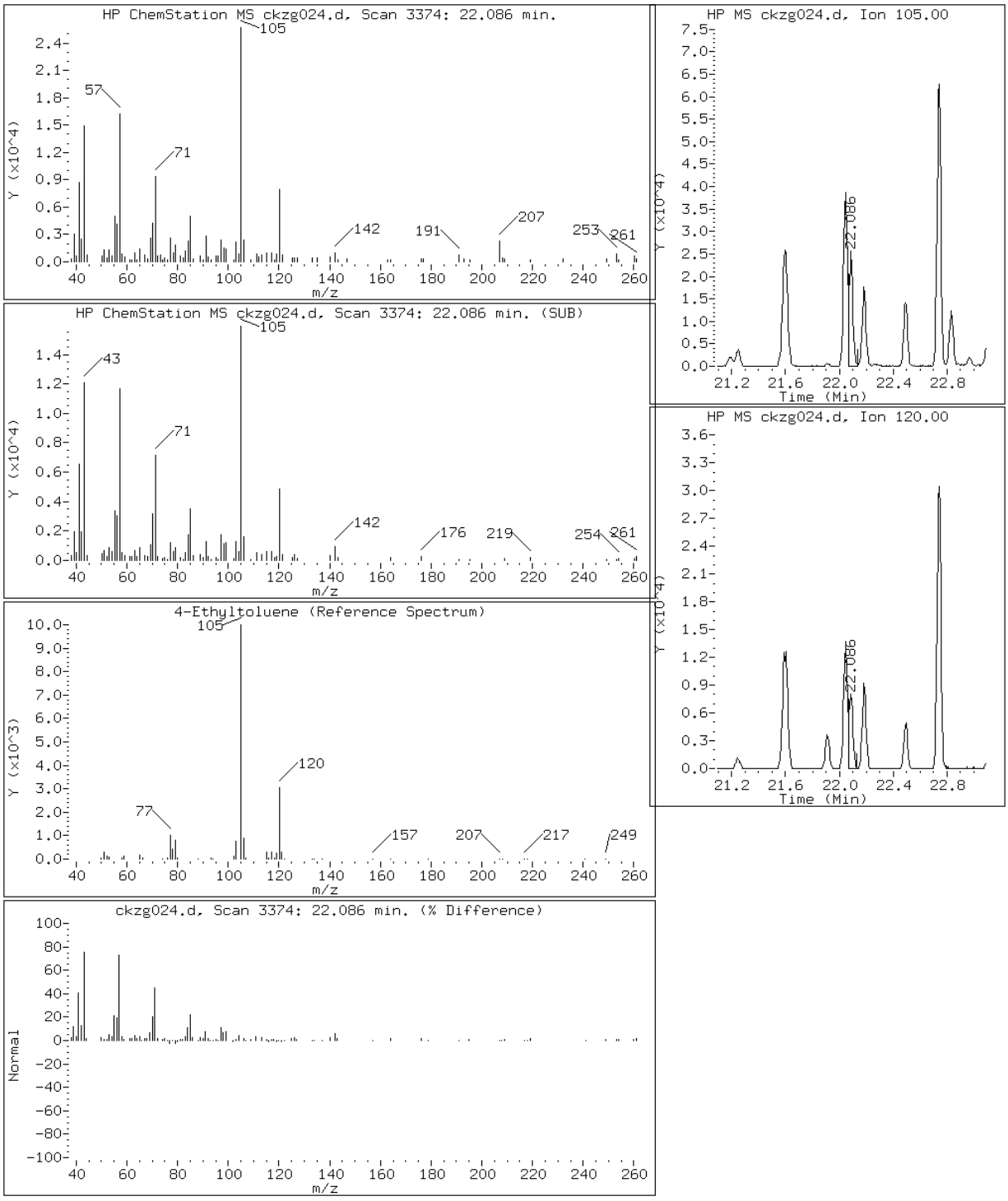
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

79 4-Ethyltoluene



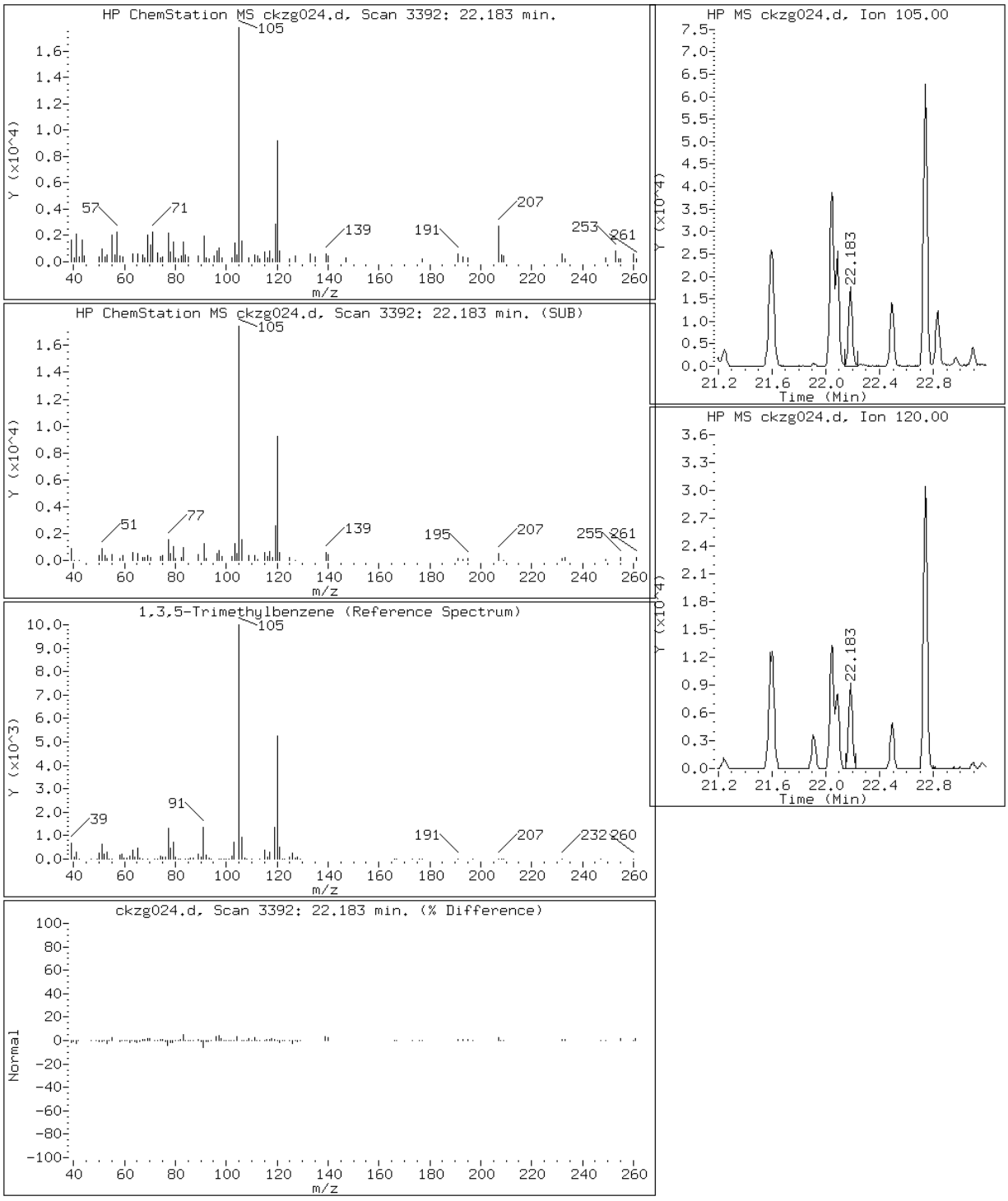
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

81 1,3,5-Trimethylbenzene



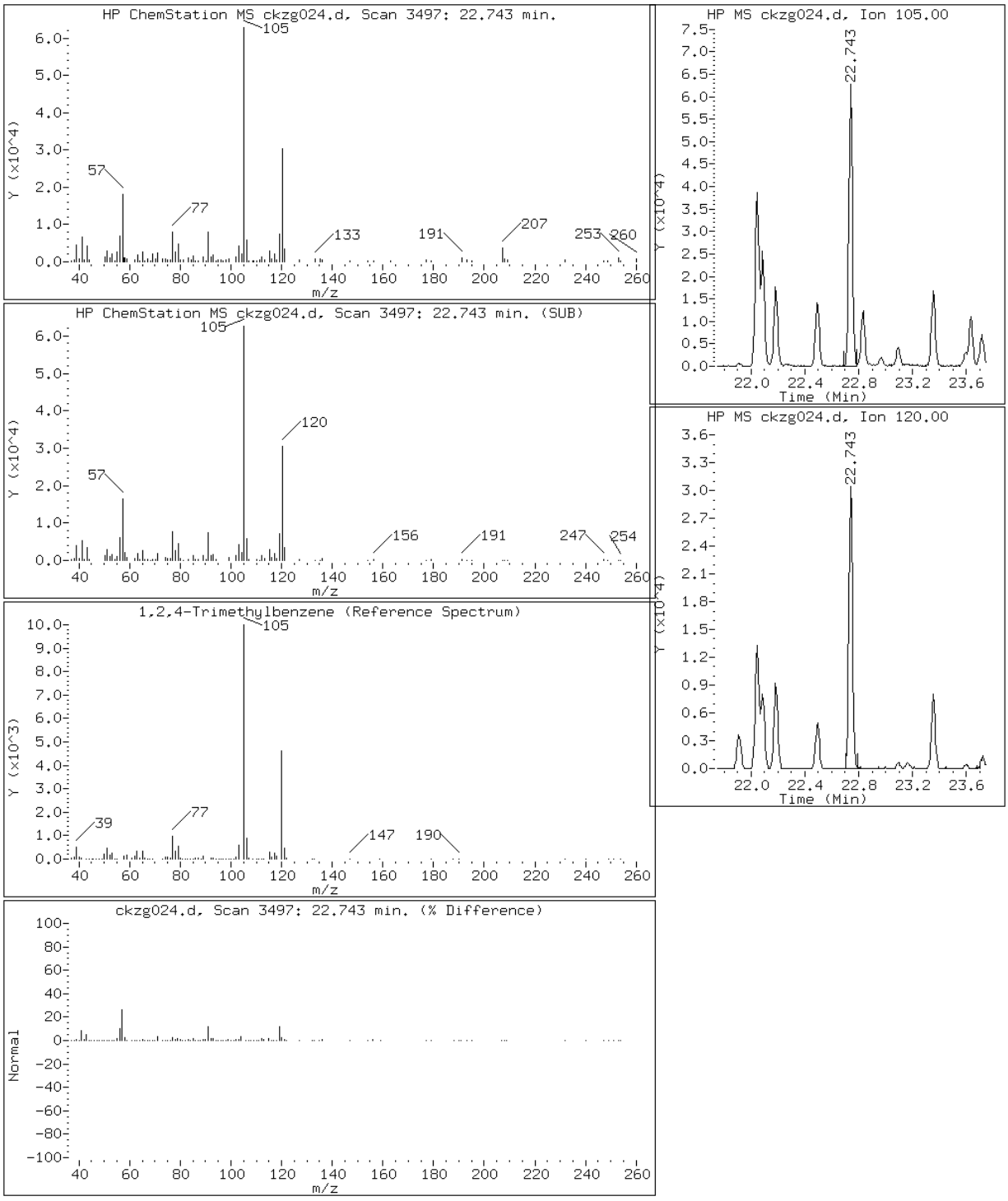
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

84 1,2,4-Trimethylbenzene



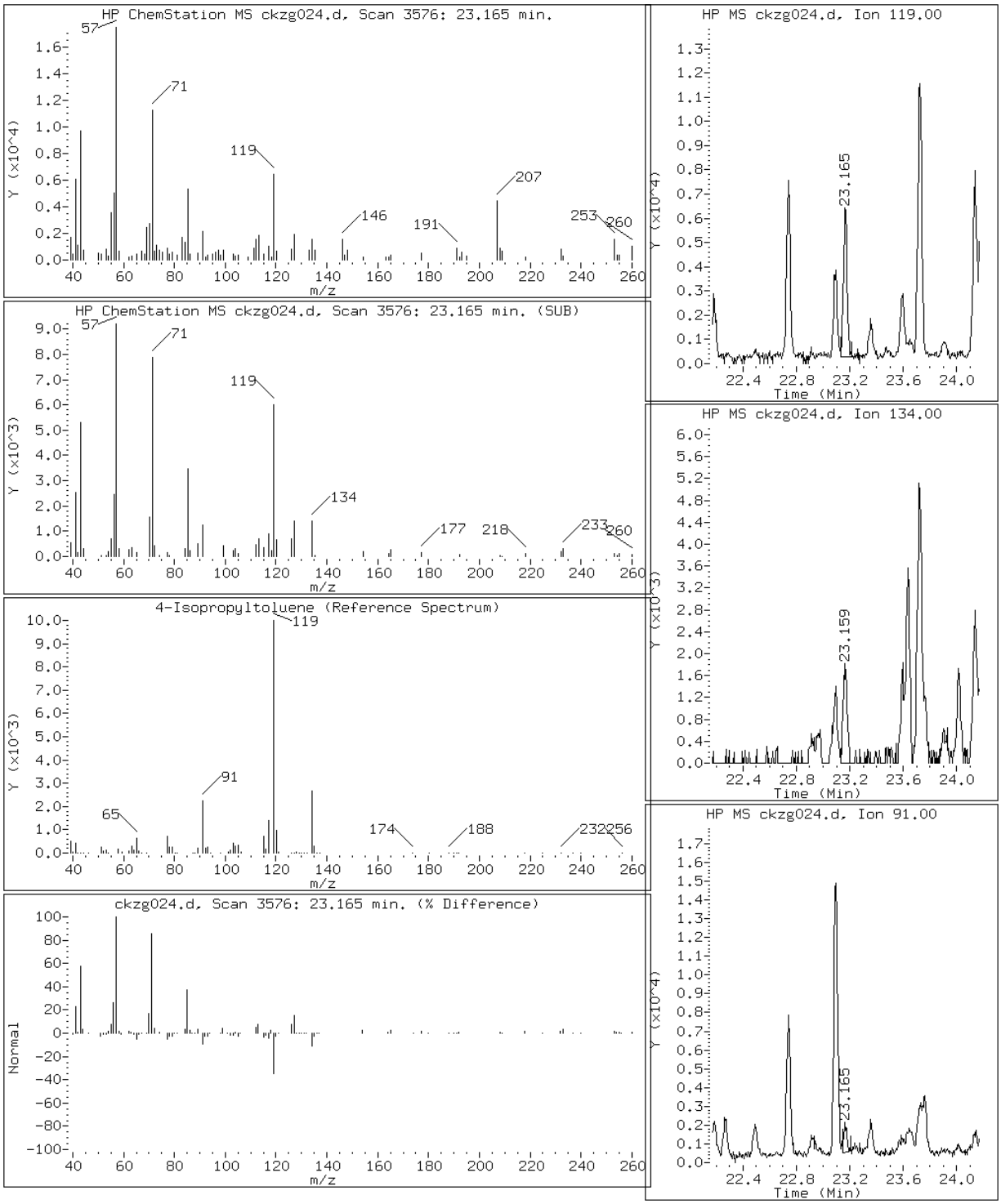
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

86 4-Isopropyltoluene



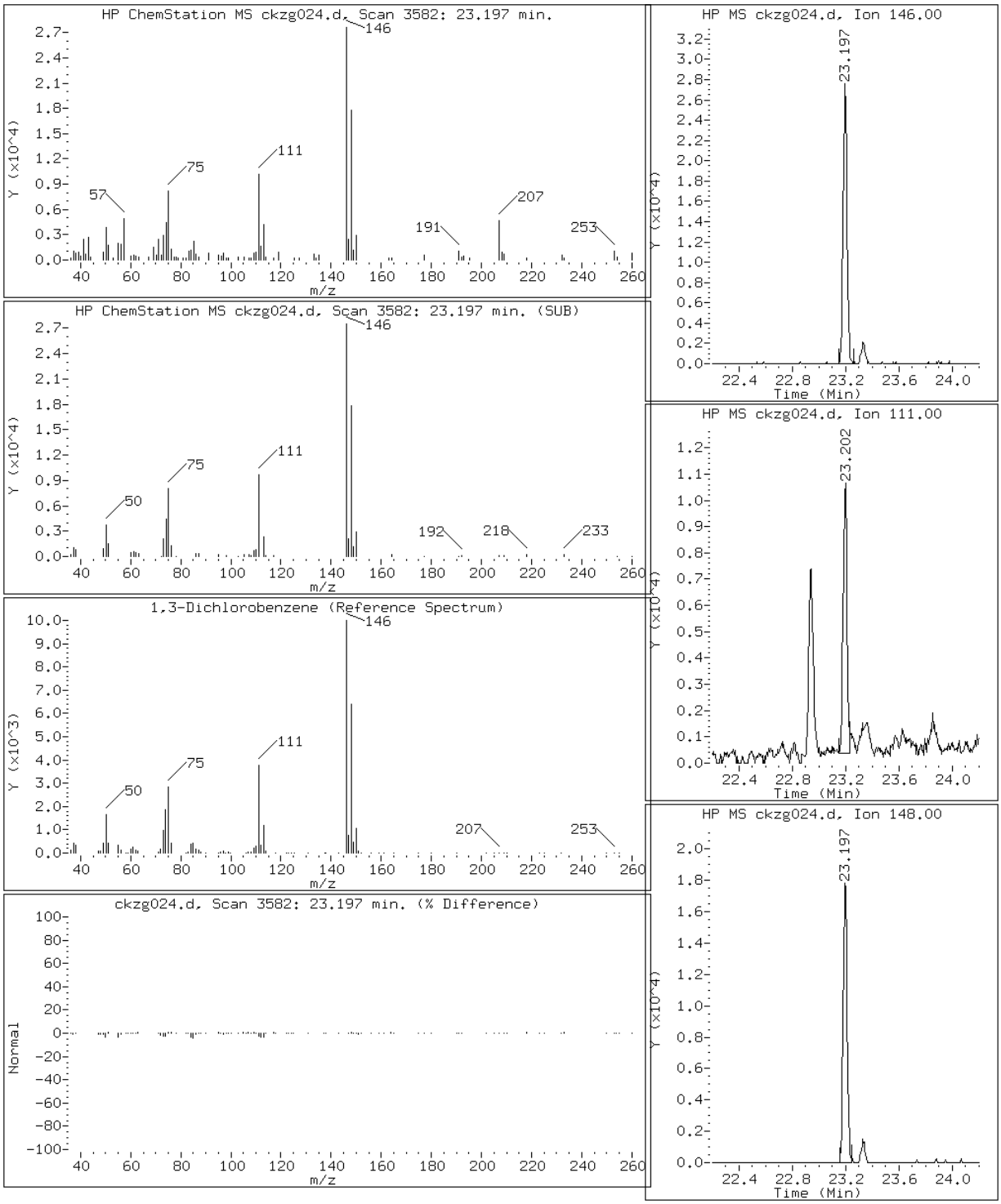
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

87 1,3-Dichlorobenzene



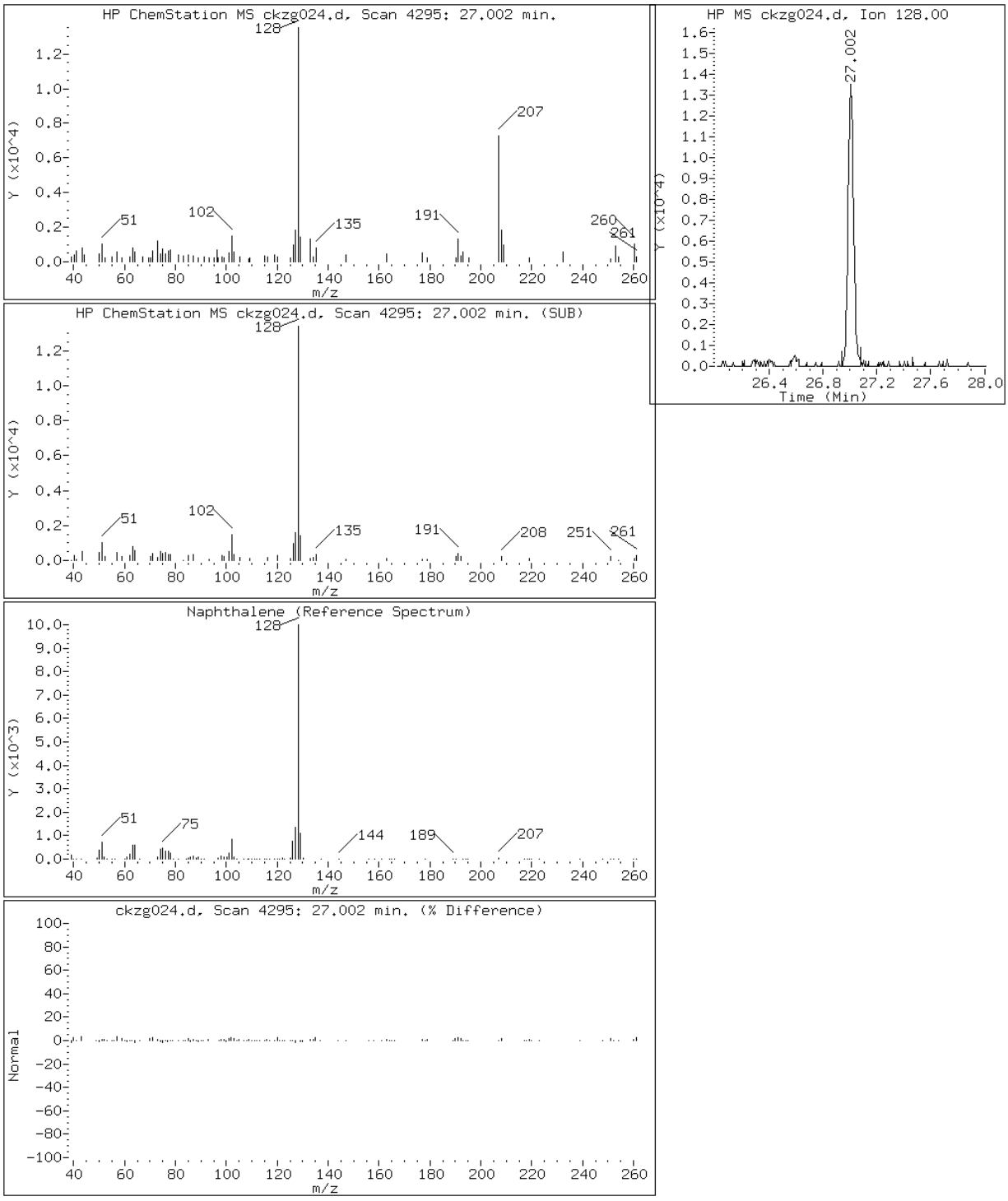
Data File: ckzg024.d

Lab Sample ID: 280-32071-18 Date: 23-AUG-2012 08:14

Client ID: 785VMP0202AH Instrument: C.i

Sample Info: 280-32071-A-18 Operator: pad

96 Naphthalene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0401AG Lab Sample ID: 280-32071-19

Matrix: Air Lab File ID: ckzg025.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 09:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.54		0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.14	J	0.50	0.034
106-97-8	n-Butane	58.12	1.6		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
76-13-1	Freon TF	187.38	0.090	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	19		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	6.1		5.0	0.076
75-15-0	Carbon disulfide	76.14	3.8		0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.24	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.58	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.40		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	3.5		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.096	J	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	1.2	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.073	J M	0.20	0.020
110-82-7	Cyclohexane	84.16	0.60		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.075	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.18	J	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0401AG Lab Sample ID: 280-32071-19

Matrix: Air Lab File ID: ckzg025.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 09:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.26		0.20	0.017
79-01-6	Trichloroethene	131.39	7.2		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.31	J	0.50	0.034
108-88-3	Toluene	92.14	1.6		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.17	J	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.23	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.91		0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.79		0.50	0.022
95-47-6	Xylene, o-	106.17	0.40		0.20	0.016
1330-20-7	Xylene (total)	106.17	1.2		0.20	0.016
100-42-5	Styrene	104.15	0.070	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.30		0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.74		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.80		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	3.0		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.29		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0401AG Lab Sample ID: 280-32071-19

Matrix: Air Lab File ID: ckzg025.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 09:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.13	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0401AG Lab Sample ID: 280-32071-19

Matrix: Air Lab File ID: ckzg025.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 09:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.30	J	1.0	0.070
106-97-8	n-Butane	58.12	3.8		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
76-13-1	Freon TF	187.38	0.69	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	44		12	0.95
67-63-0	Isopropyl alcohol	60.10	15		12	0.19
75-15-0	Carbon disulfide	76.14	12		1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.82	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	1.8	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.4		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	10		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.47	J	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	3.4	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.40	J M	1.1	0.11
110-82-7	Cyclohexane	84.16	2.1		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.47	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.57	J	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0401AG Lab Sample ID: 280-32071-19

Matrix: Air Lab File ID: ckzg025.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 09:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.1		0.82	0.070
79-01-6	Trichloroethene	131.39	39		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	1.3	J	2.0	0.14
108-88-3	Toluene	92.14	5.9		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	1.2	J	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.94	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	3.9		0.87	0.065
179601-23-1	m,p-Xylene	106.17	3.4		2.2	0.096
95-47-6	Xylene, o-	106.17	1.7		0.87	0.069
1330-20-7	Xylene (total)	106.17	5.2		0.87	0.069
100-42-5	Styrene	104.15	0.30	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	1.5		0.98	0.064
622-96-8	4-Ethyltoluene	120.20	3.6		0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	3.9		0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	15		0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	1.6		1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0401AG Lab Sample ID: 280-32071-19

Matrix: Air Lab File ID: ckzg025.d

Analysis Method: TO-15 Date Collected: 08/08/2012 14:10

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 09:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.68	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-19
Client Smp ID: 785VMP0401AG
Inj Date : 23-AUG-2012 09:07
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-19
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	48644	0.53520	0.54
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	3622	0.14290	0.14(a)
6 Butane	43	5.067	5.078	(0.419)	70845	1.58027	1.6
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.839	6.860	(0.566)	23367	0.24377	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.034	(0.663)	6021	0.08983	0.090(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.253	8.269	(0.683)	679933	18.6541	19

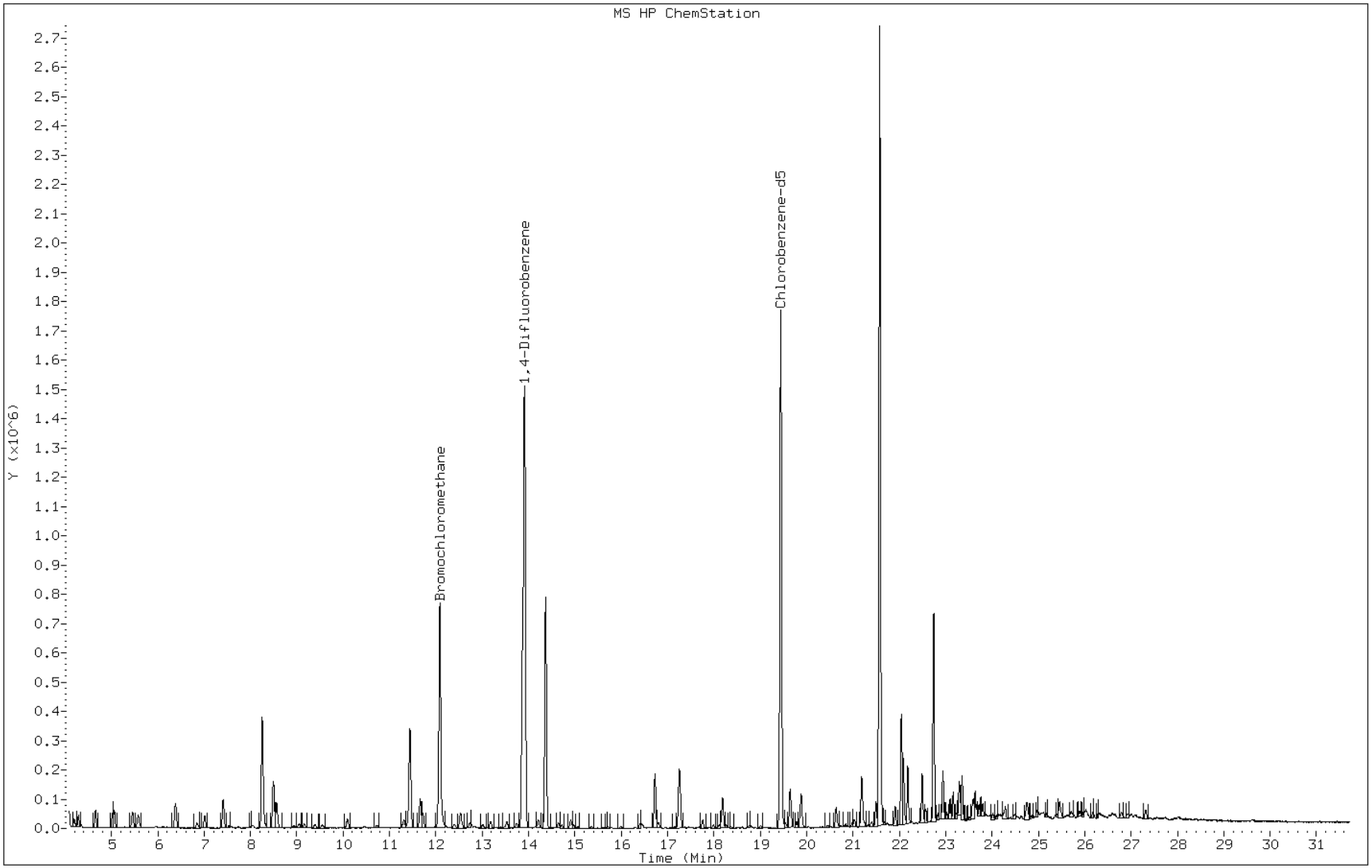
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.493	8.509	(0.703)	339900	3.84688	3.8
	22 Isopropanol	45	8.563	8.573	(0.709)	157349	6.14432	6.1
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.160	9.177	(0.758)	7358	0.23664	0.24(aQ)
	26 Tert-butyl alcohol	59	9.385	9.390	(0.777)	22686	0.58240	0.58(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.094	10.105	(0.835)	20068	0.40059	0.40
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.663	11.674	(0.965)	48537	3.50460	3.5(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	331025	10.0000	
	38 Tetrahydrofuran	42	12.138	12.139	(0.872)	34025	1.15066	1.2(a)
	39 Chloroform	83	12.202	12.213	(1.010)	7128	0.09639	0.096(a)
	40 Cyclohexane	84	12.539	12.544	(0.901)	31830	0.60329	0.60
	41 1,1,1-Trichloroethane	97	12.517	12.528	(0.900)	6251	0.07280	0.073(aM)
	42 Carbon tetrachloride	117	12.774	12.784	(0.918)	6839	0.07544	0.075(aQ)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	13.179	13.190	(0.947)	19806	0.17779	0.18(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.531	13.542	(0.972)	15366	0.25914	0.26
*	47 1,4-Difluorobenzene	114	13.916	13.921	(1.000)	1880985	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	378500	7.21924	7.2
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.179)	16568	0.31500	0.31(a)
	58 Toluene	92	16.734	16.734	(0.861)	130094	1.56389	1.6
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.764	17.764	(0.914)	13405	0.17091	0.17(a)
	62 2-Hexanone	43	17.988	17.993	(0.925)	11065	0.22835	0.23(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1735200	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.011)	158684	0.90690	0.91
	69 Xylene (m,p)	106	19.877	19.893	(1.022)	57498	0.78876	0.79
M	70 Xylenes, Total	106				85546	1.18618	1.2
	71 Xylene (o)	106	20.640	20.646	(1.062)	28048	0.39742	0.40
	72 Styrene	104	20.677	20.678	(1.064)	6990	0.07004	0.070(a)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	21.905	21.916	(1.127)	68596	0.30242	0.30
79 4-Ethyltoluene	105	22.086	22.092	(1.136)	144484	0.73517	0.74
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	22.182	22.193	(1.141)	136733	0.80215	0.80
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	492067	2.98388	3.0
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.164	23.170	(1.192)	58360	0.28542	0.29
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.007	27.012	(1.389)	12477	0.13013	0.13(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg025.d	Date:	23-AUG-2012 09:07
Client ID:	785VMP0401AG	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-19		
Lab Sample ID:	280-32071-19		



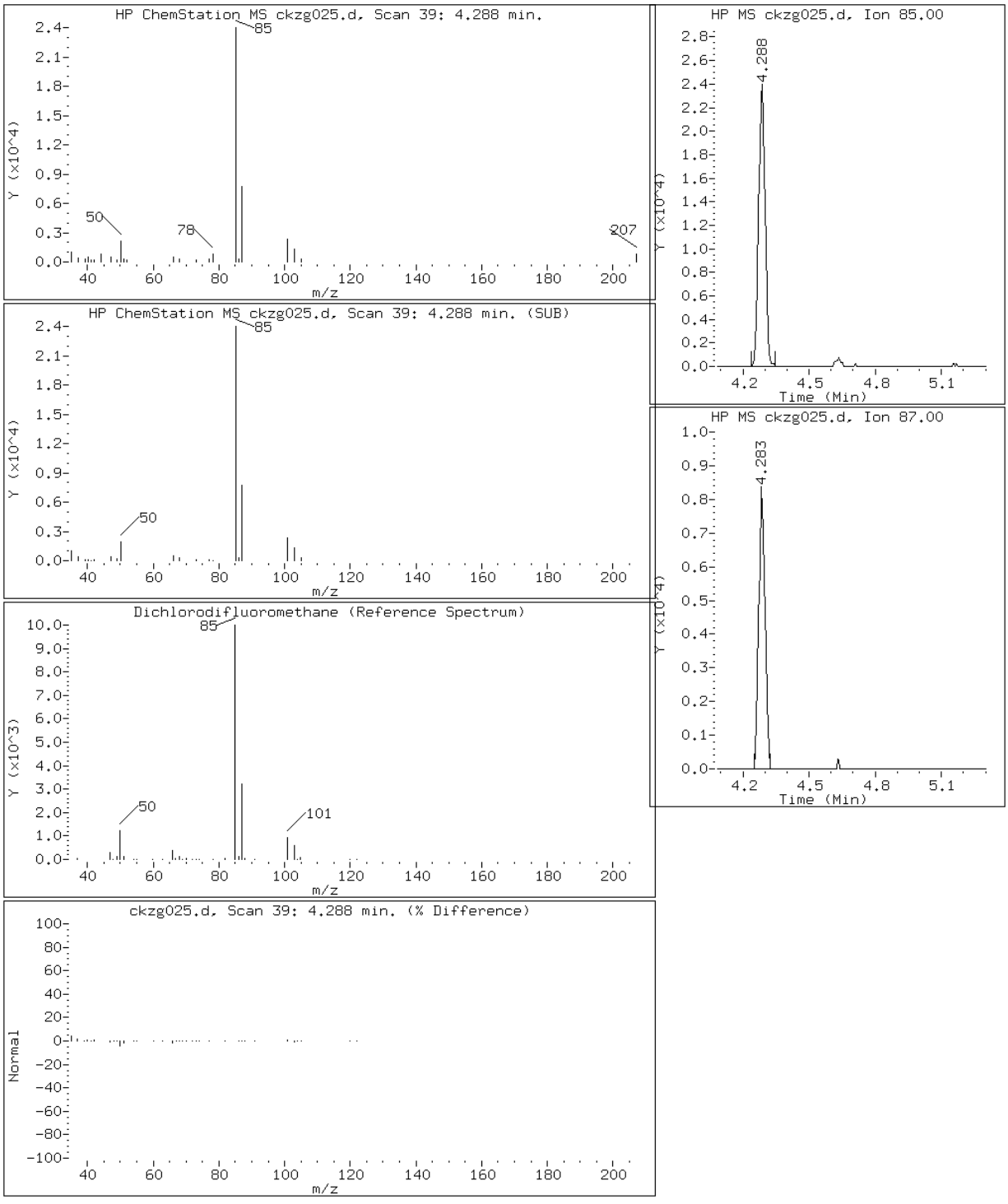
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

2 Dichlorodifluoromethane



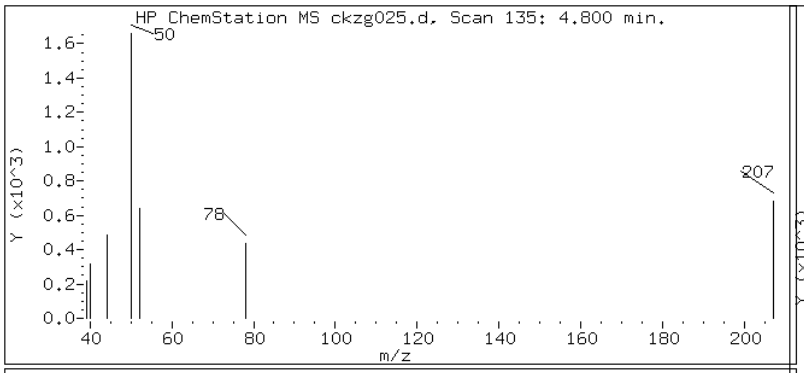
Data File: ckzg025.d

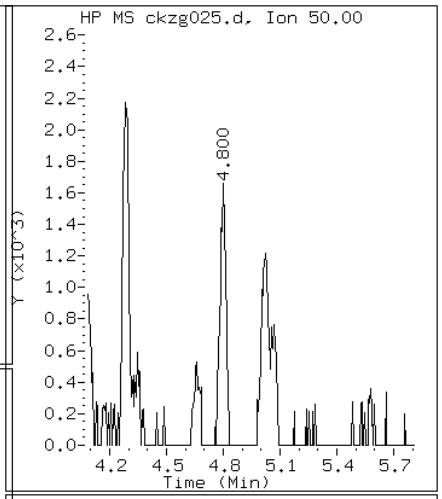
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

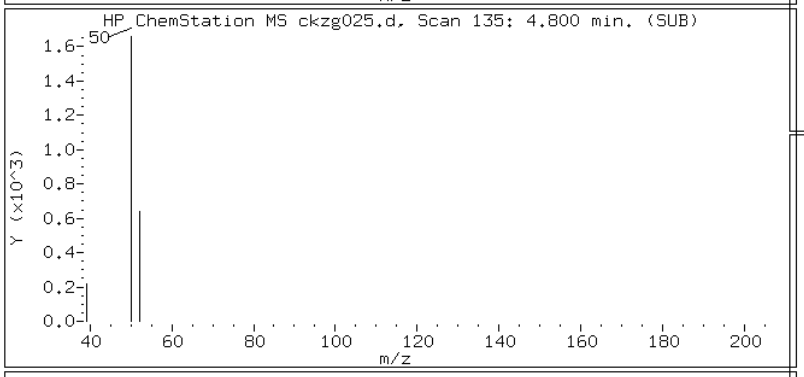
Client ID: 785VMP0401AG Instrument: C.i

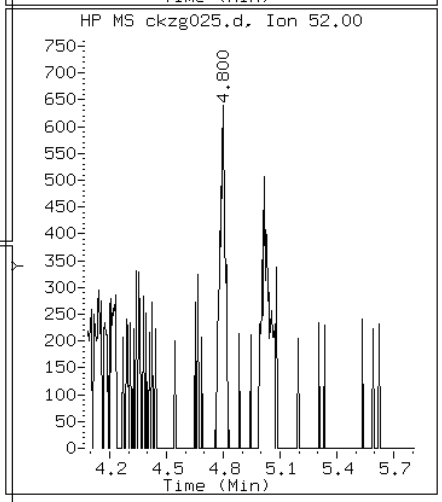
Sample Info: 280-32071-A-19 Operator: pad

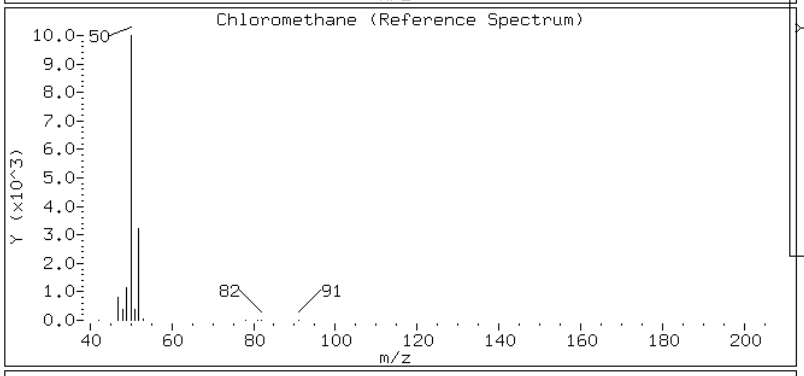
5 Chloromethane

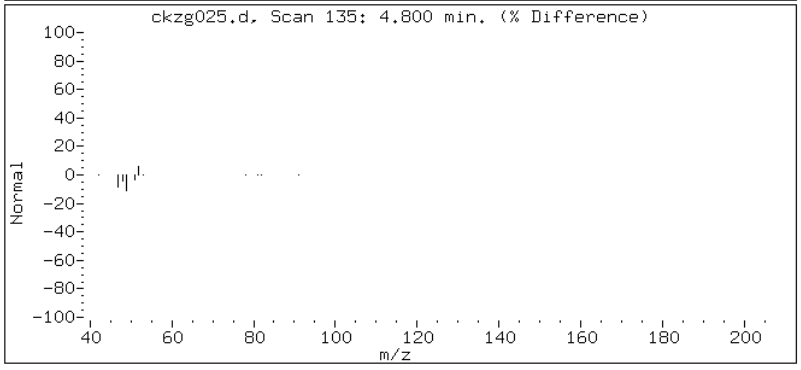












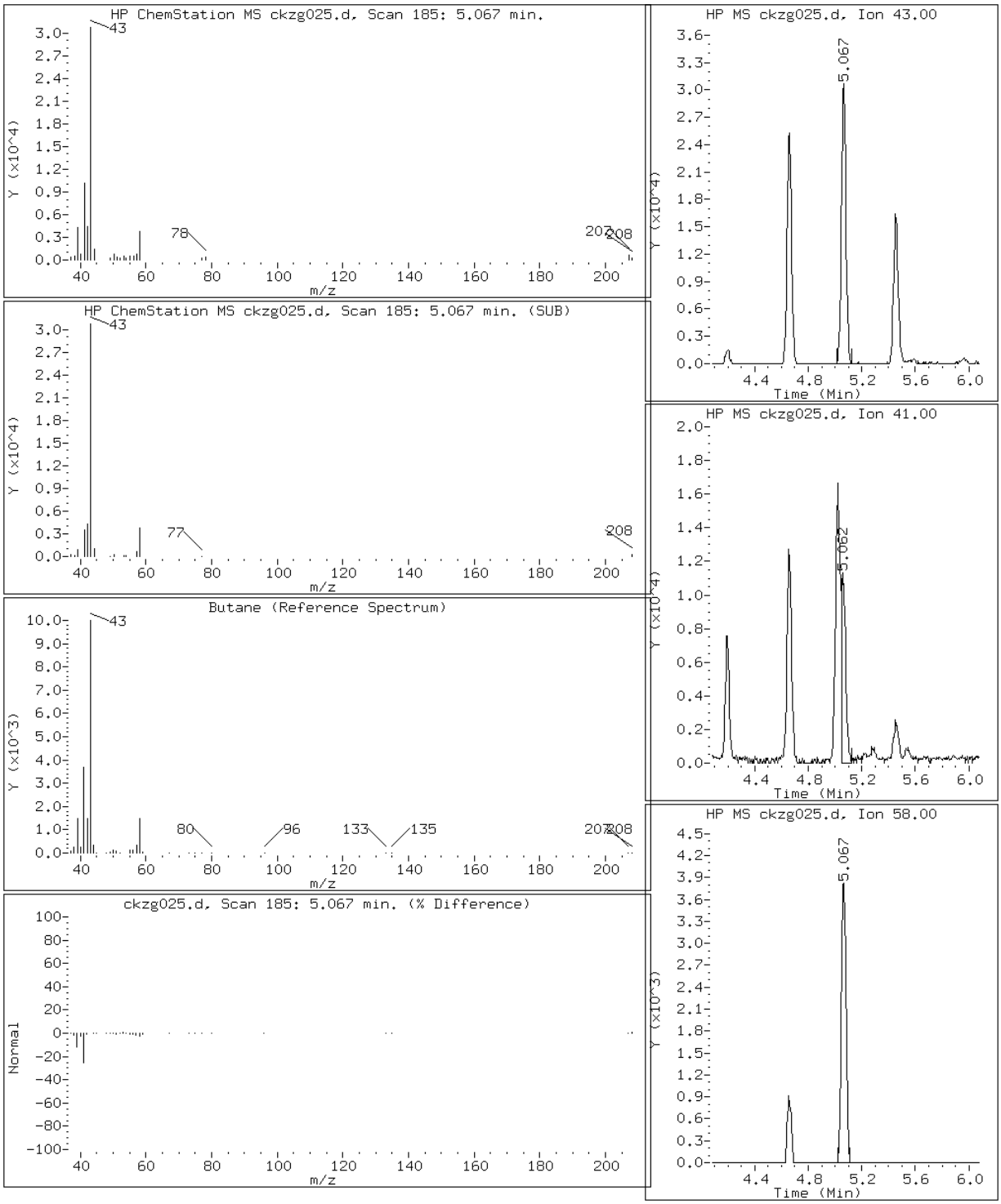
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

6 Butane



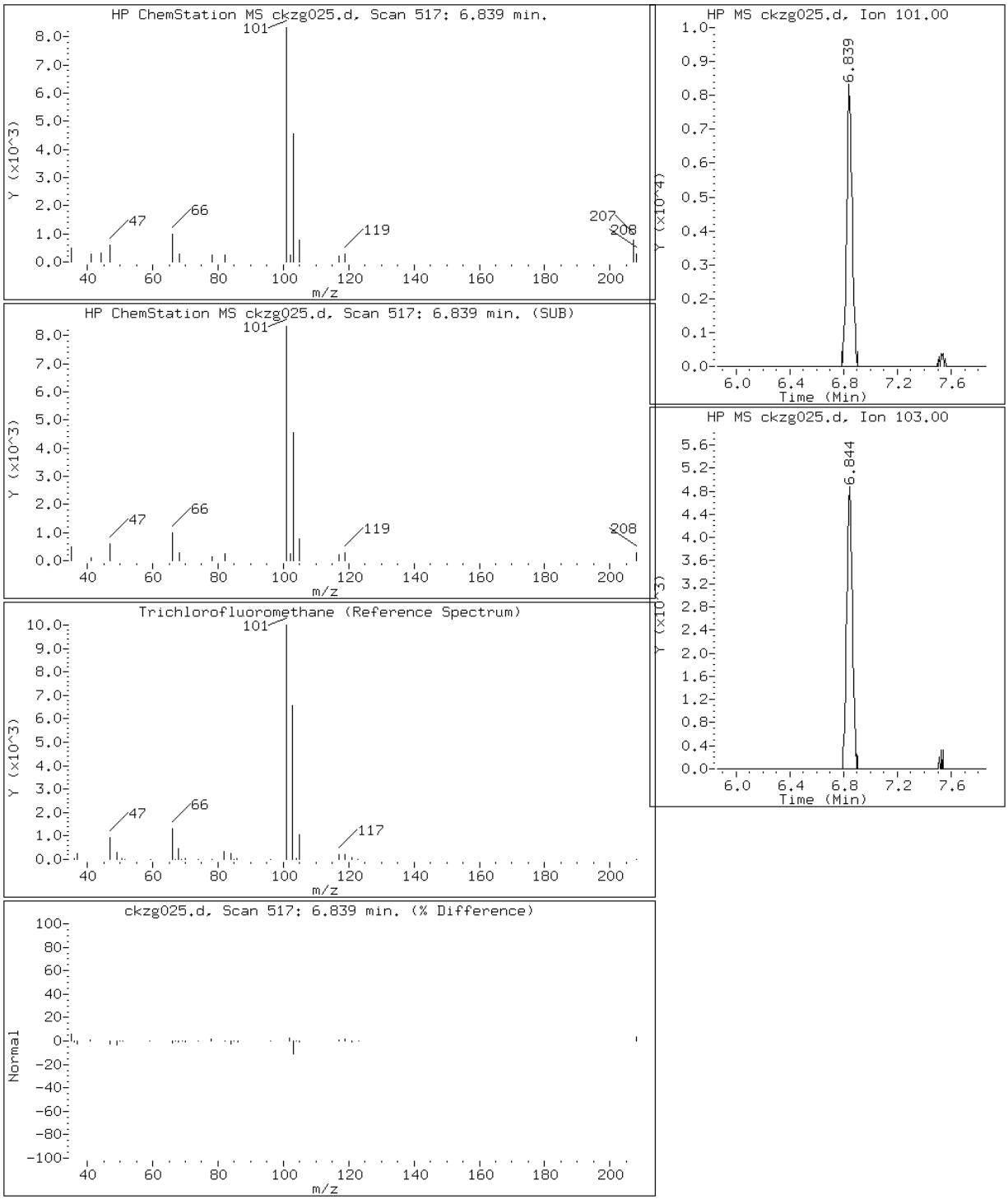
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

13 Trichlorofluoromethane



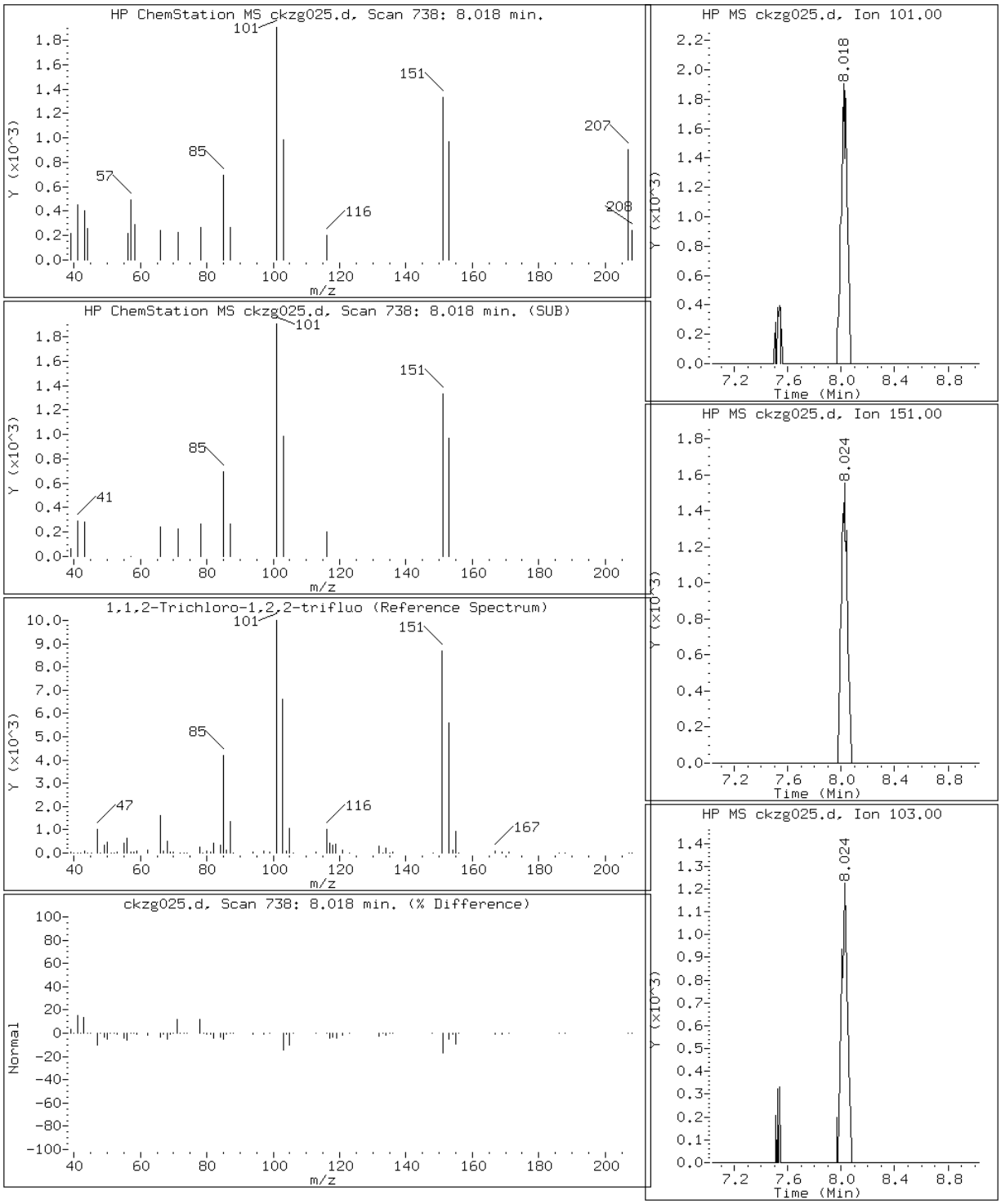
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



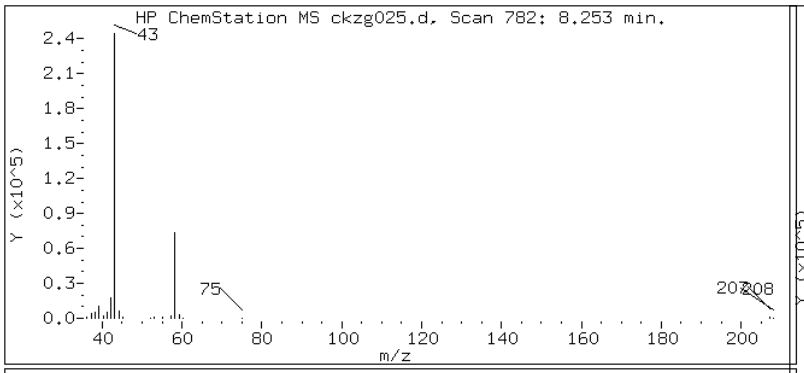
Data File: ckzg025.d

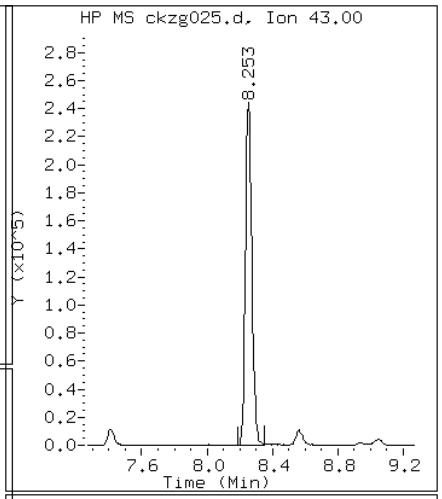
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

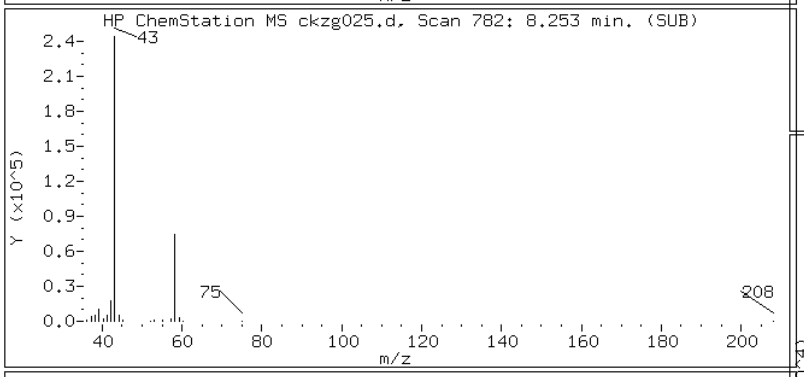
Client ID: 785VMP0401AG Instrument: C.i

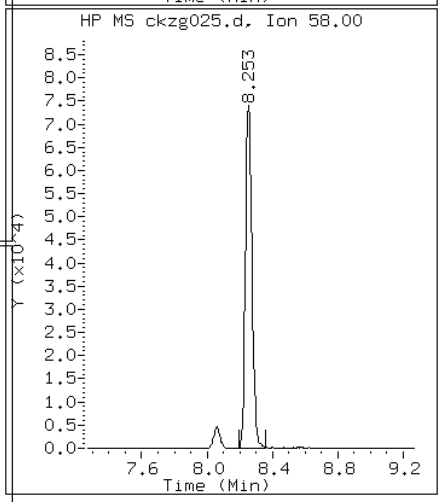
Sample Info: 280-32071-A-19 Operator: pad

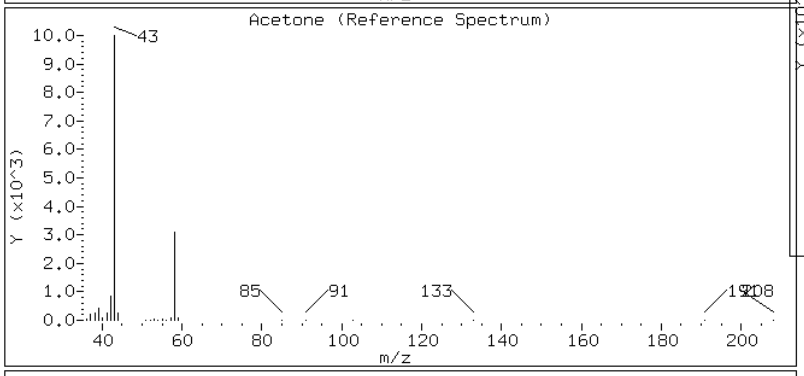
20 Acetone

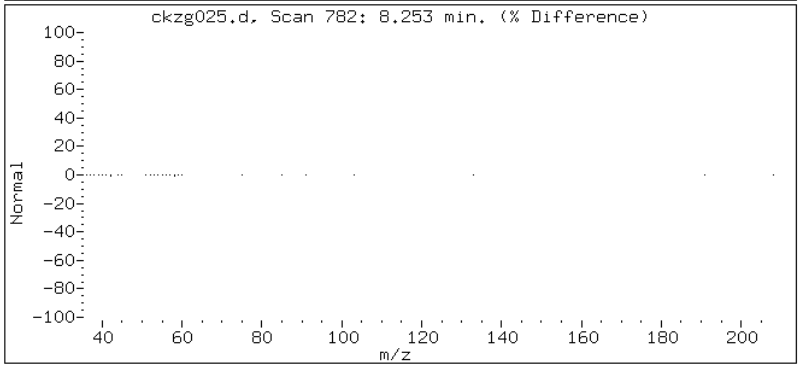












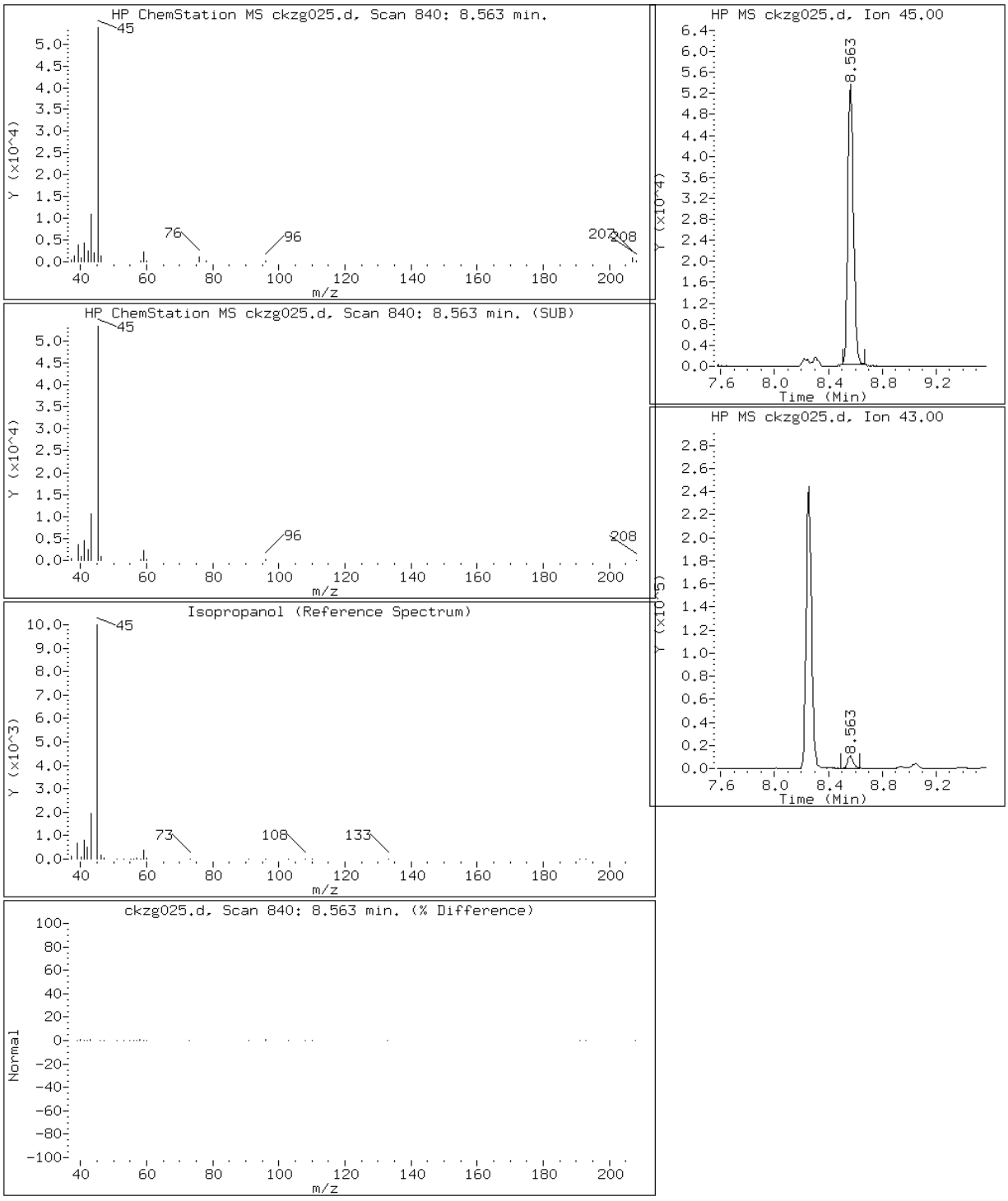
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

22 Isopropanol



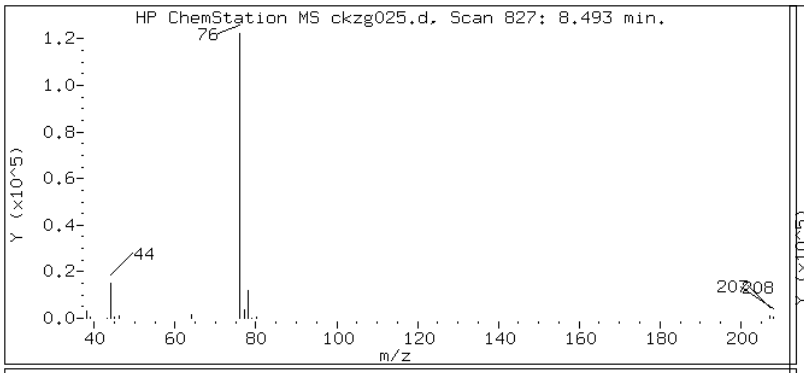
Data File: ckzg025.d

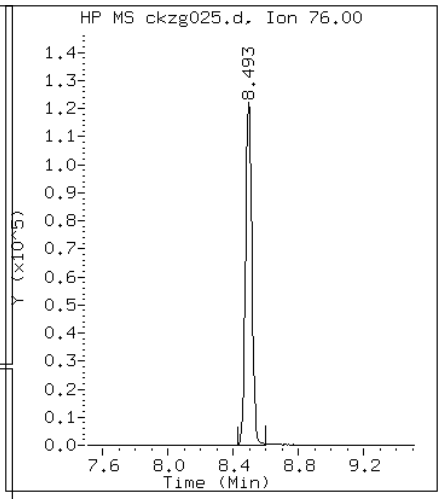
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

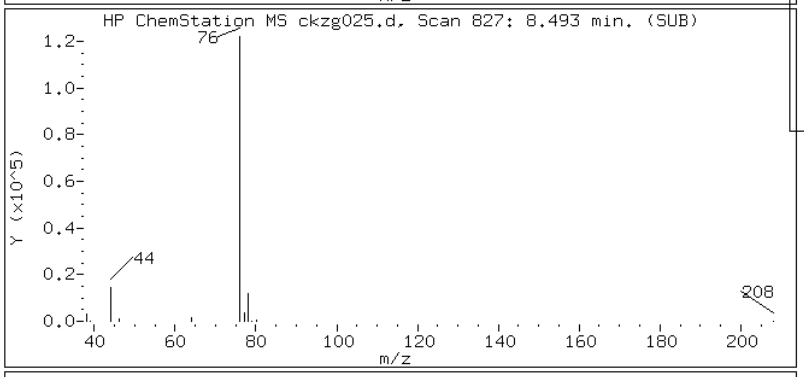
Client ID: 785VMP0401AG Instrument: C.i

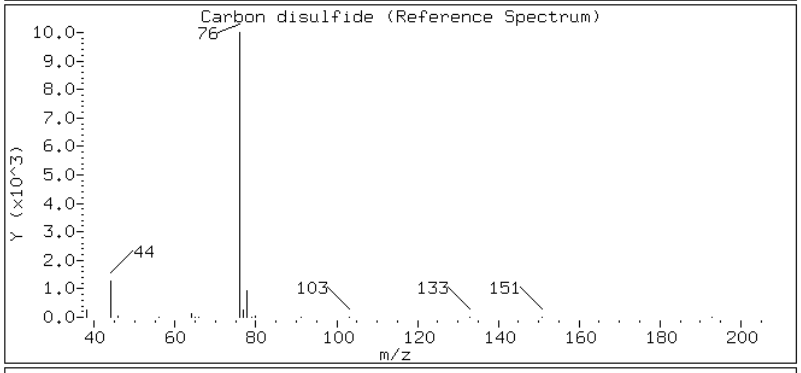
Sample Info: 280-32071-A-19 Operator: pad

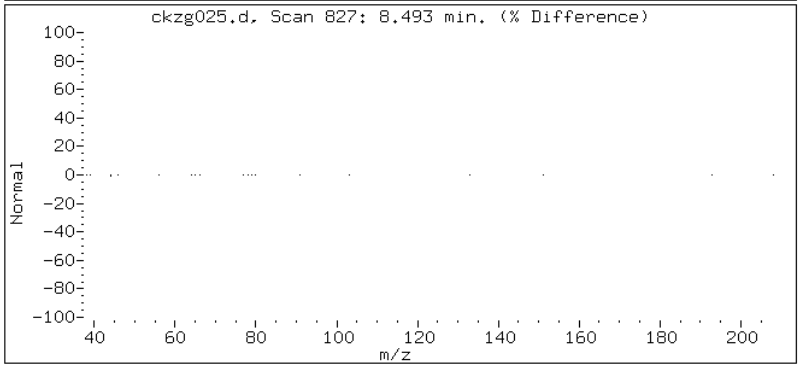
21 Carbon disulfide











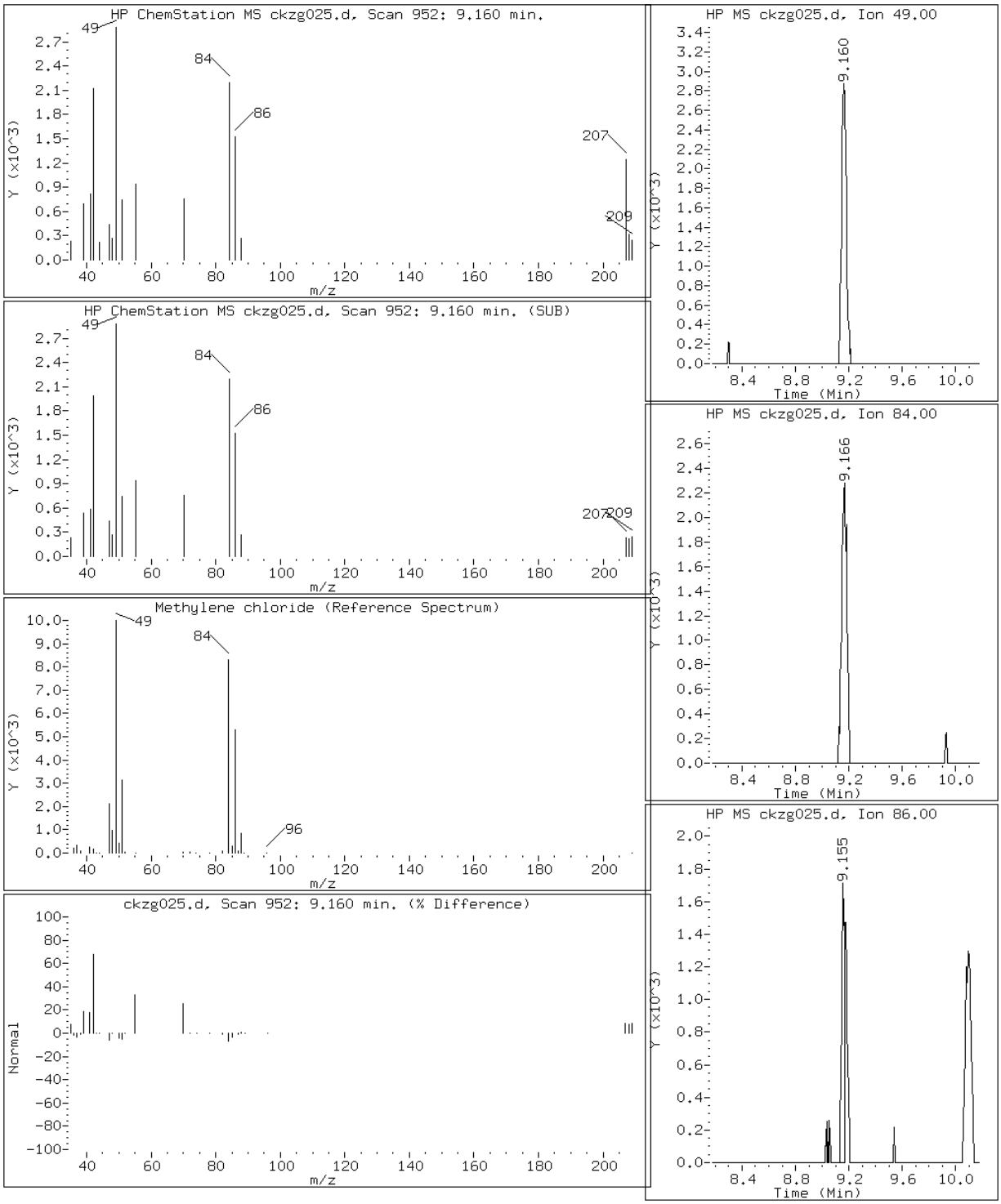
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

25 Methylene chloride



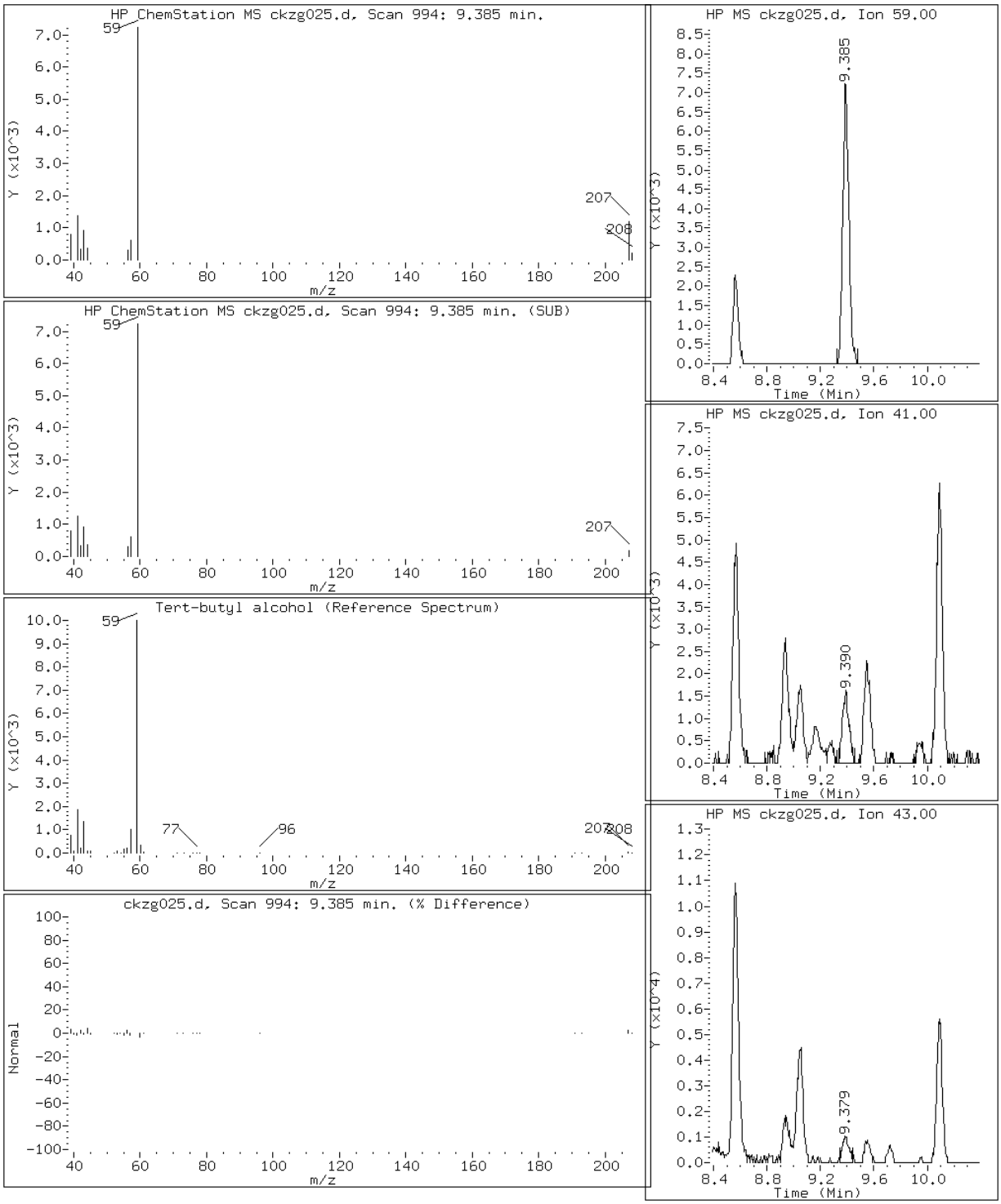
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

26 Tert-butyl alcohol



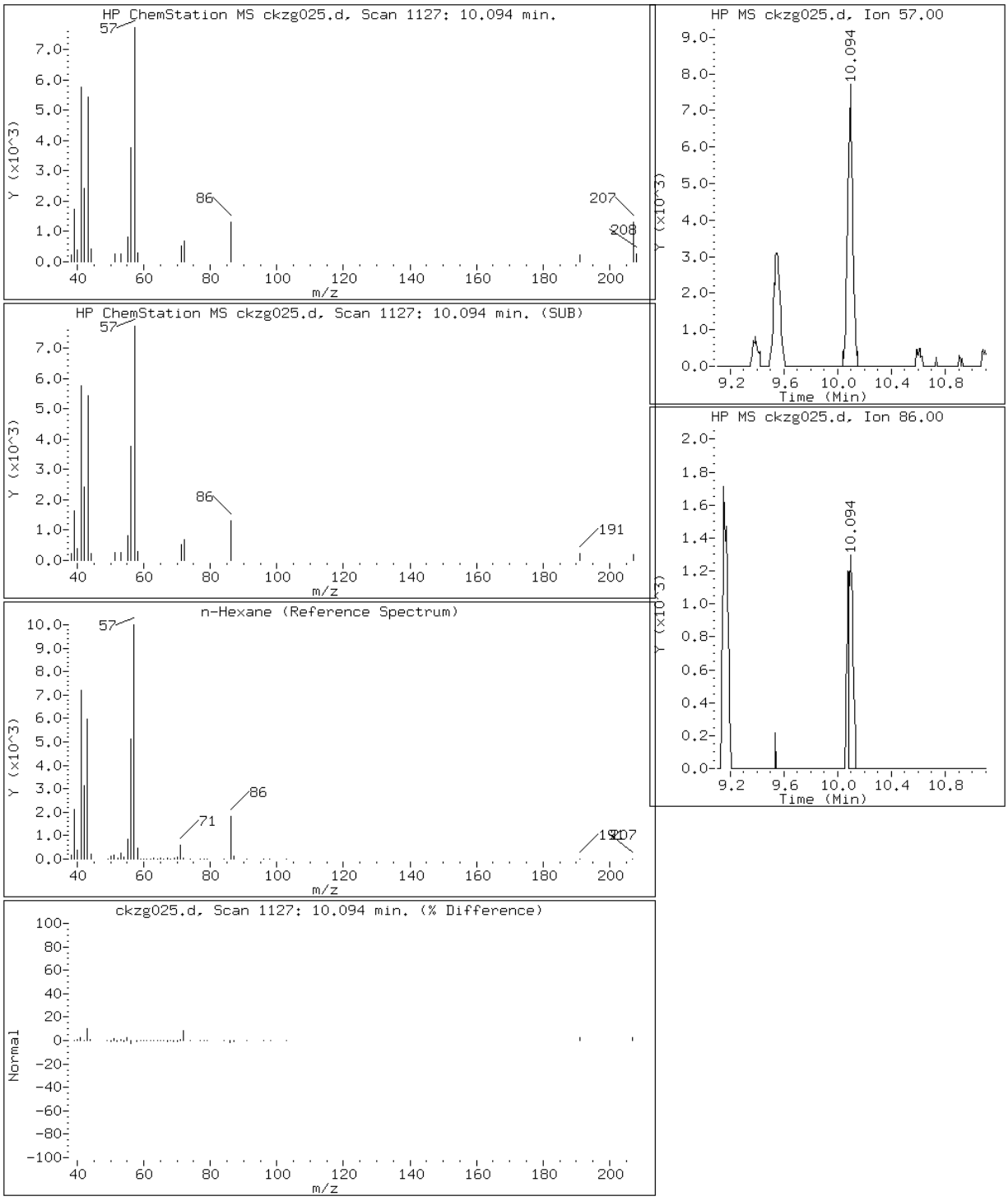
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

30 n-Hexane



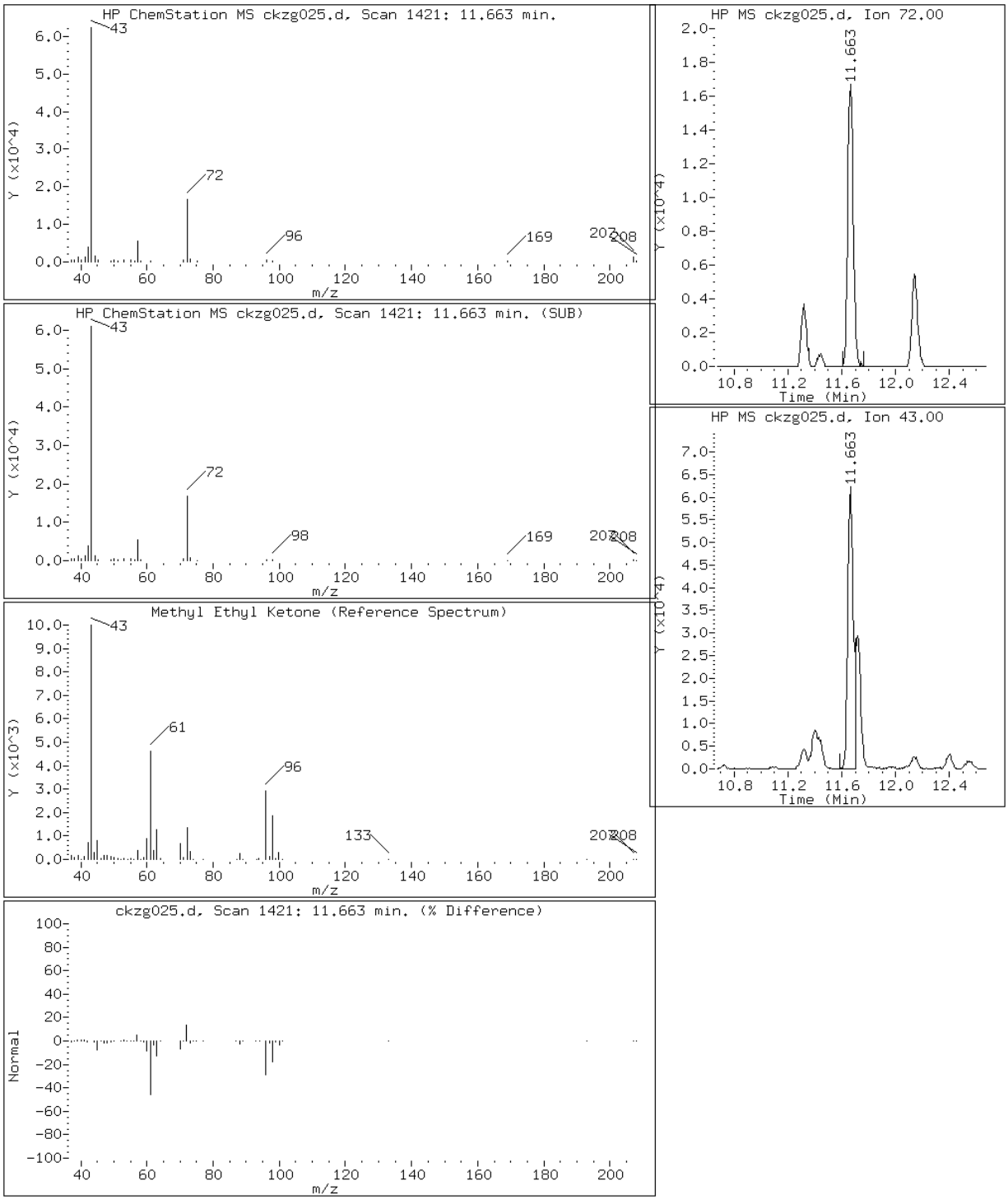
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

36 Methyl Ethyl Ketone



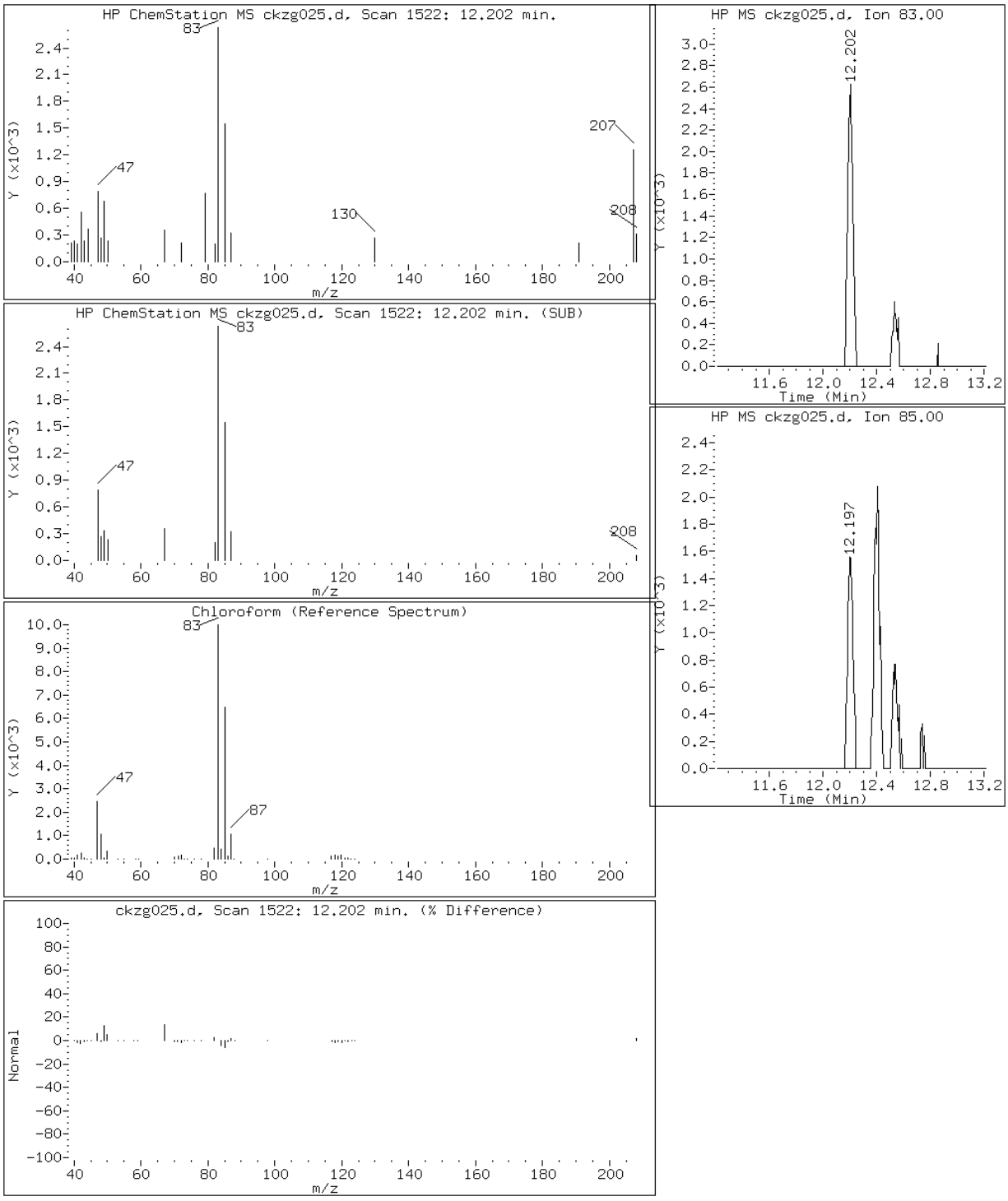
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

39 Chloroform



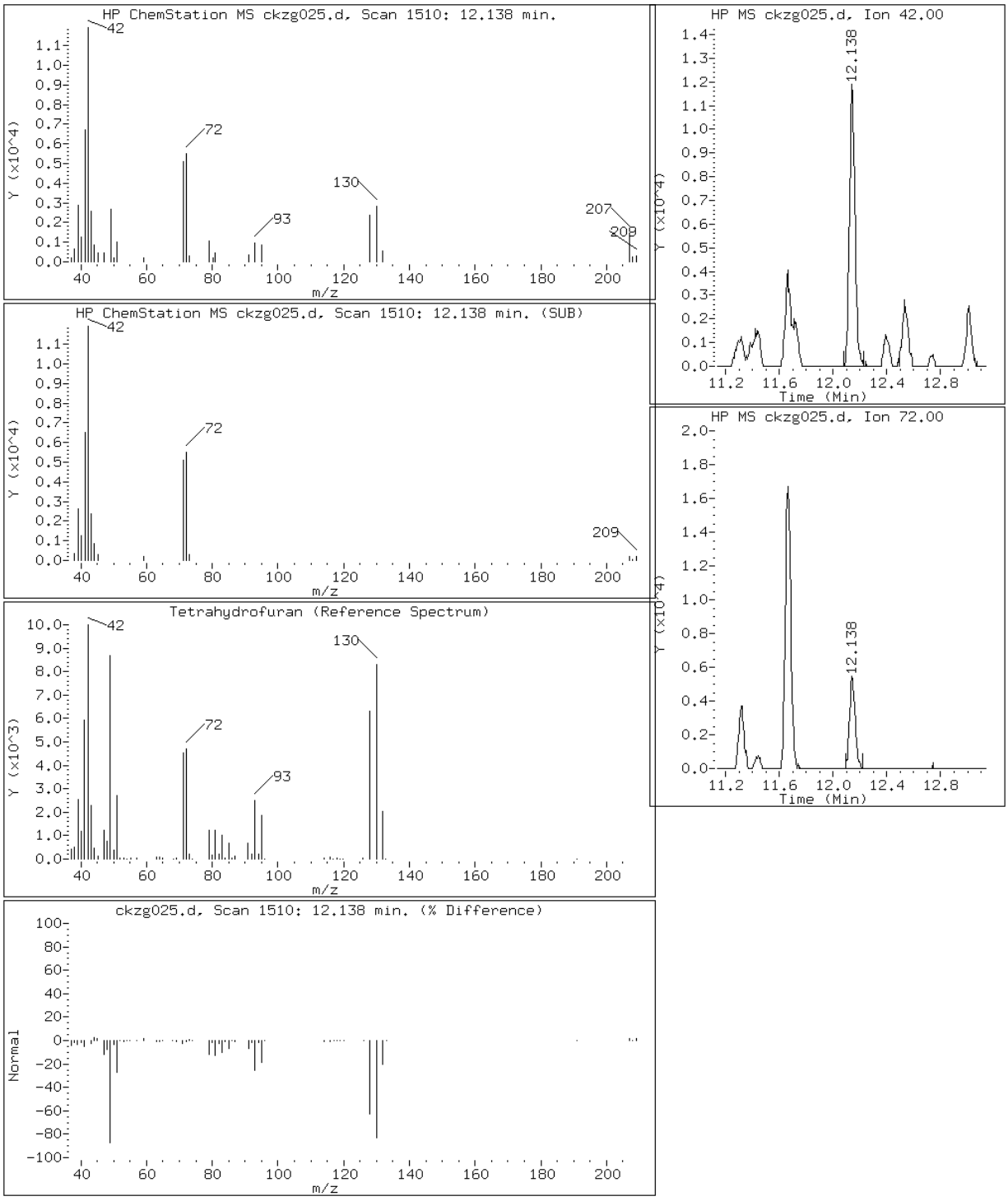
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

38 Tetrahydrofuran



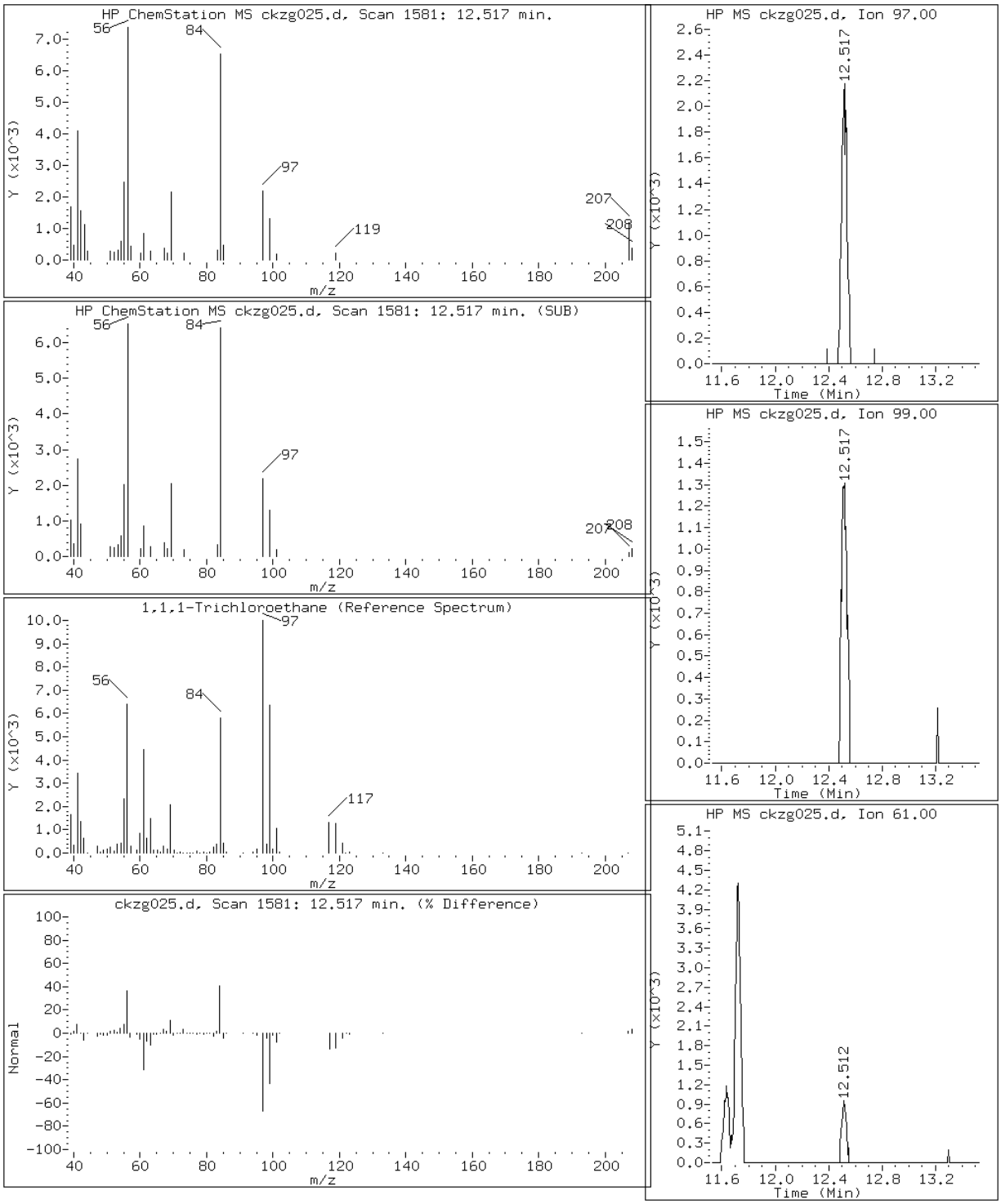
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

41 1,1,1-Trichloroethane



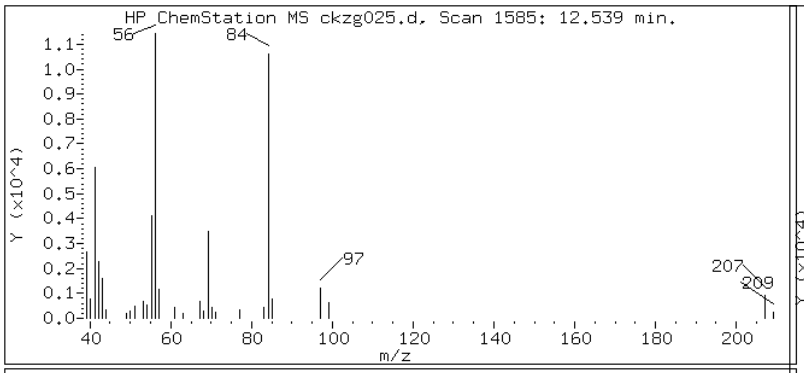
Data File: ckzg025.d

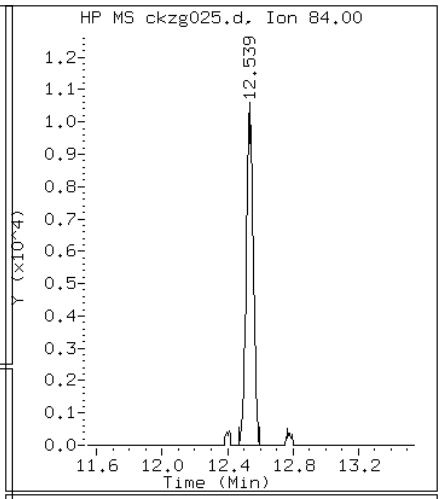
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

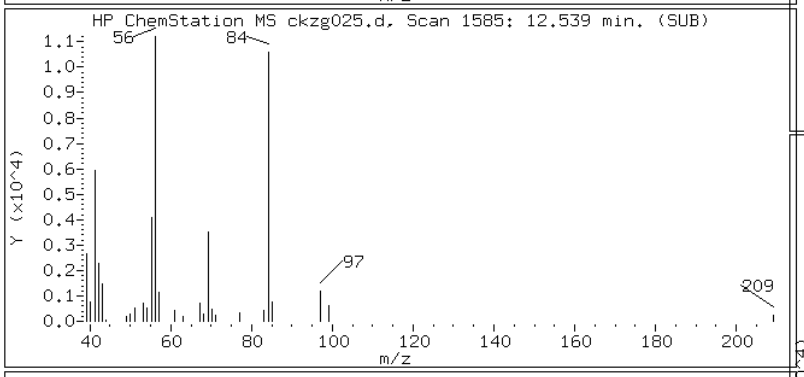
Client ID: 785VMP0401AG Instrument: C.i

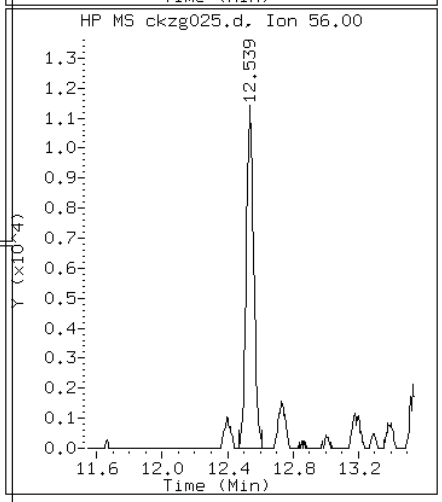
Sample Info: 280-32071-A-19 Operator: pad

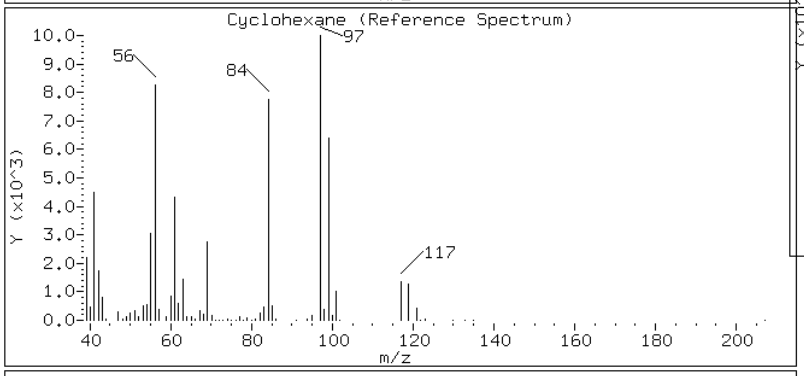
40 Cyclohexane

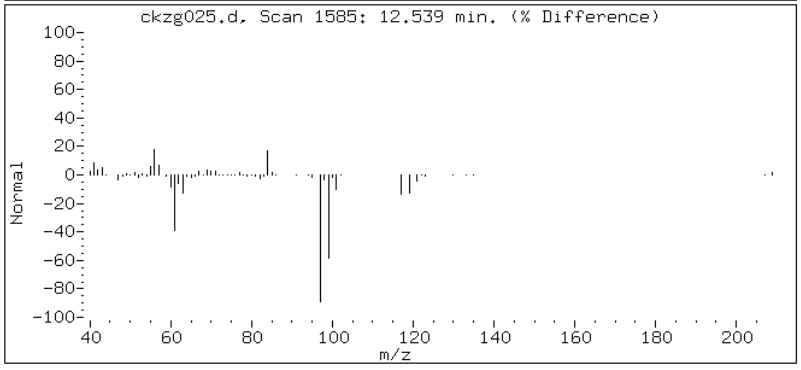












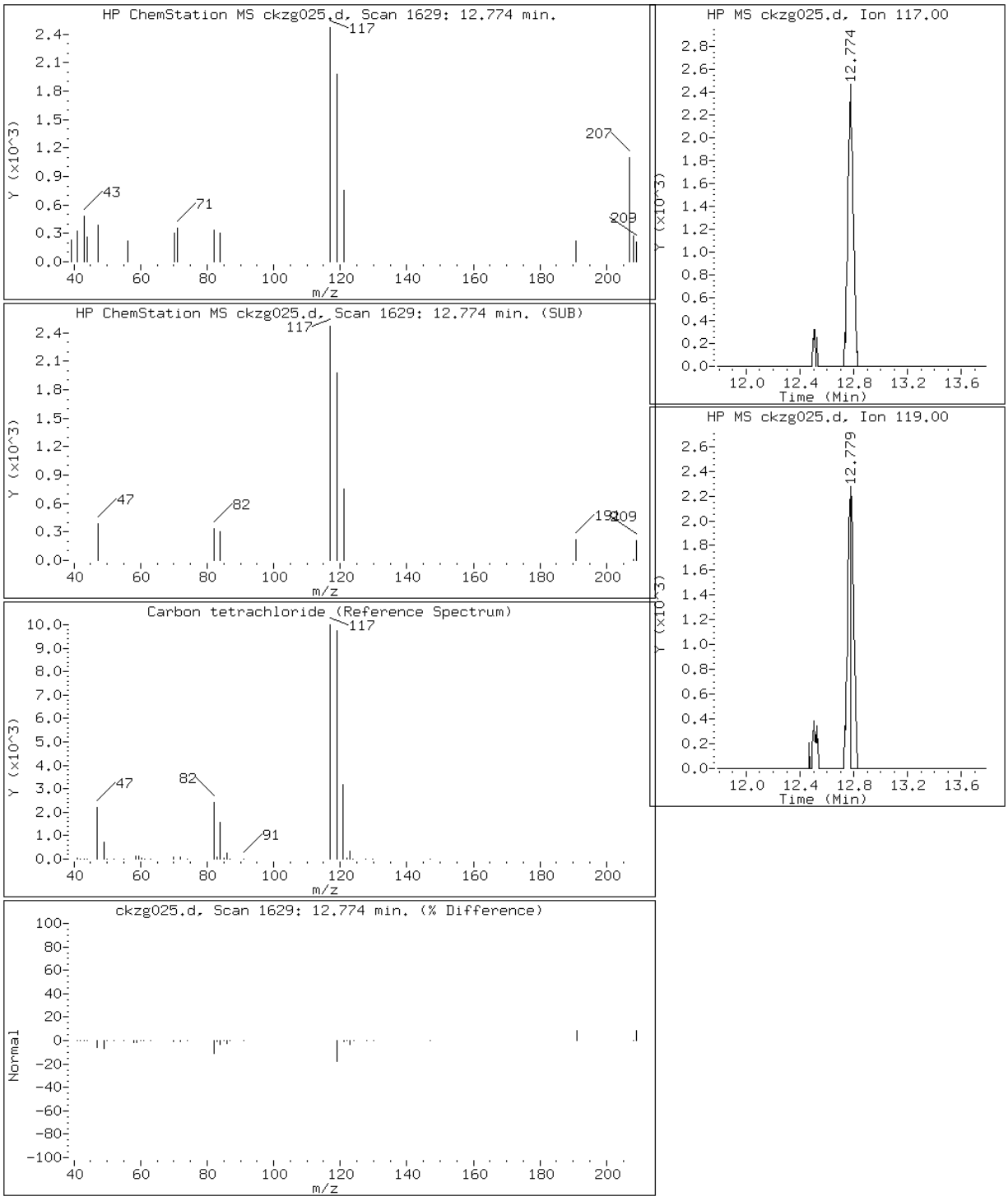
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

42 Carbon tetrachloride



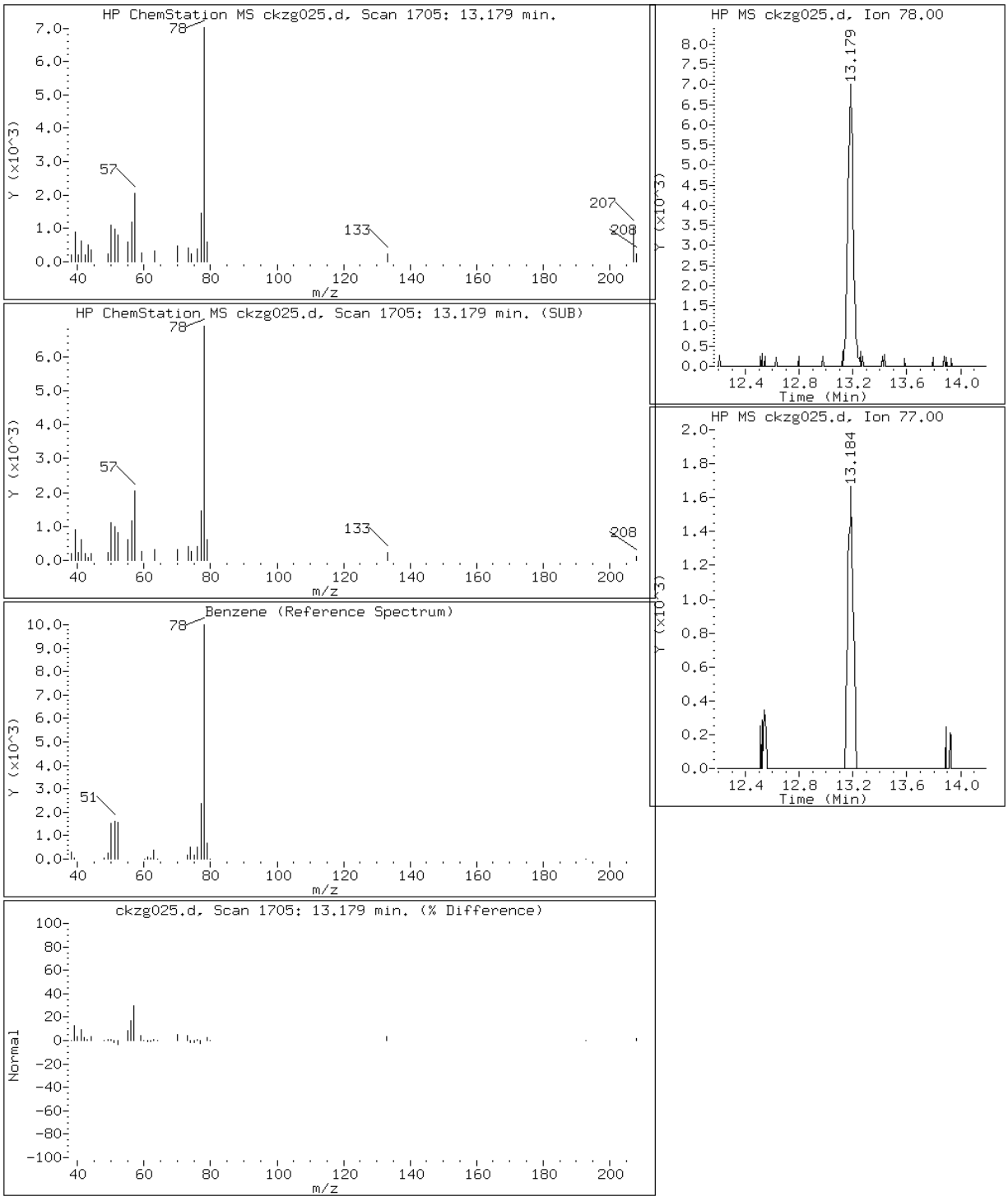
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

44 Benzene



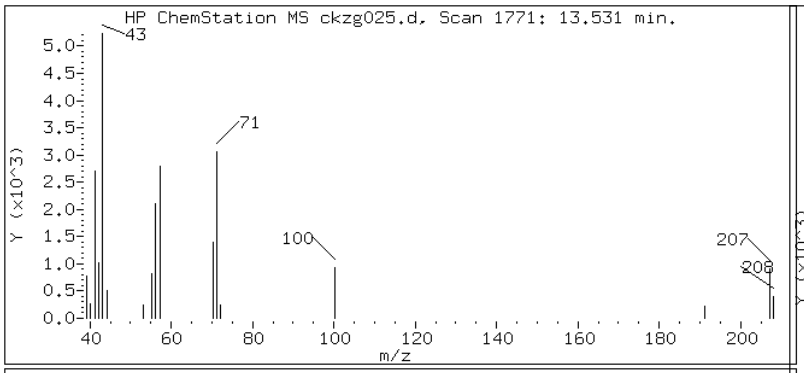
Data File: ckzg025.d

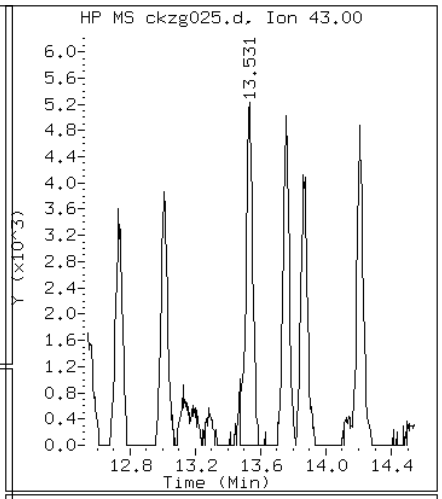
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

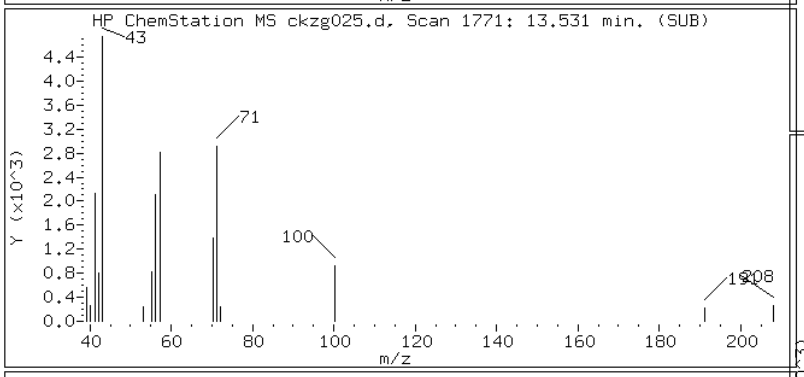
Client ID: 785VMP0401AG Instrument: C.i

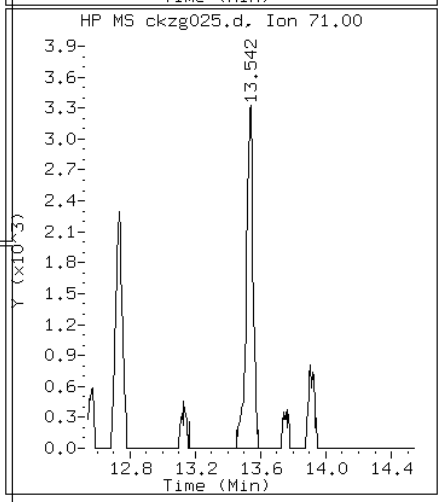
Sample Info: 280-32071-A-19 Operator: pad

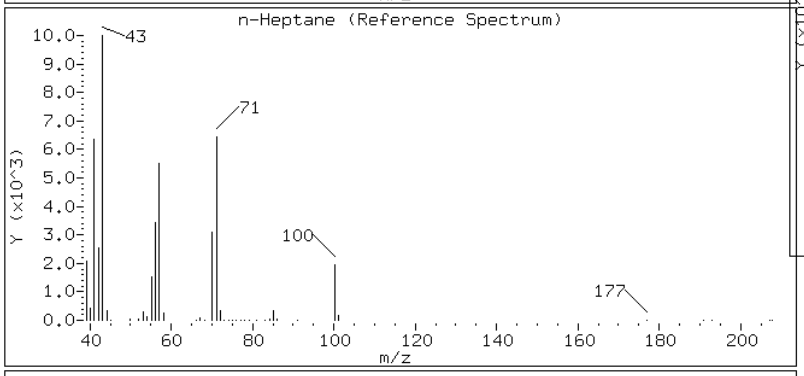
46 n-Heptane

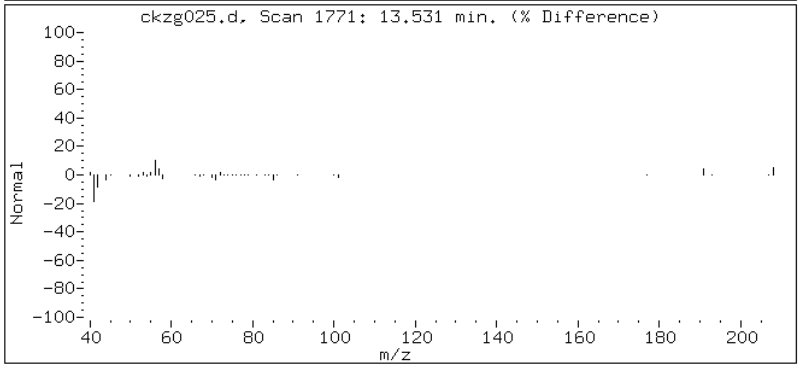












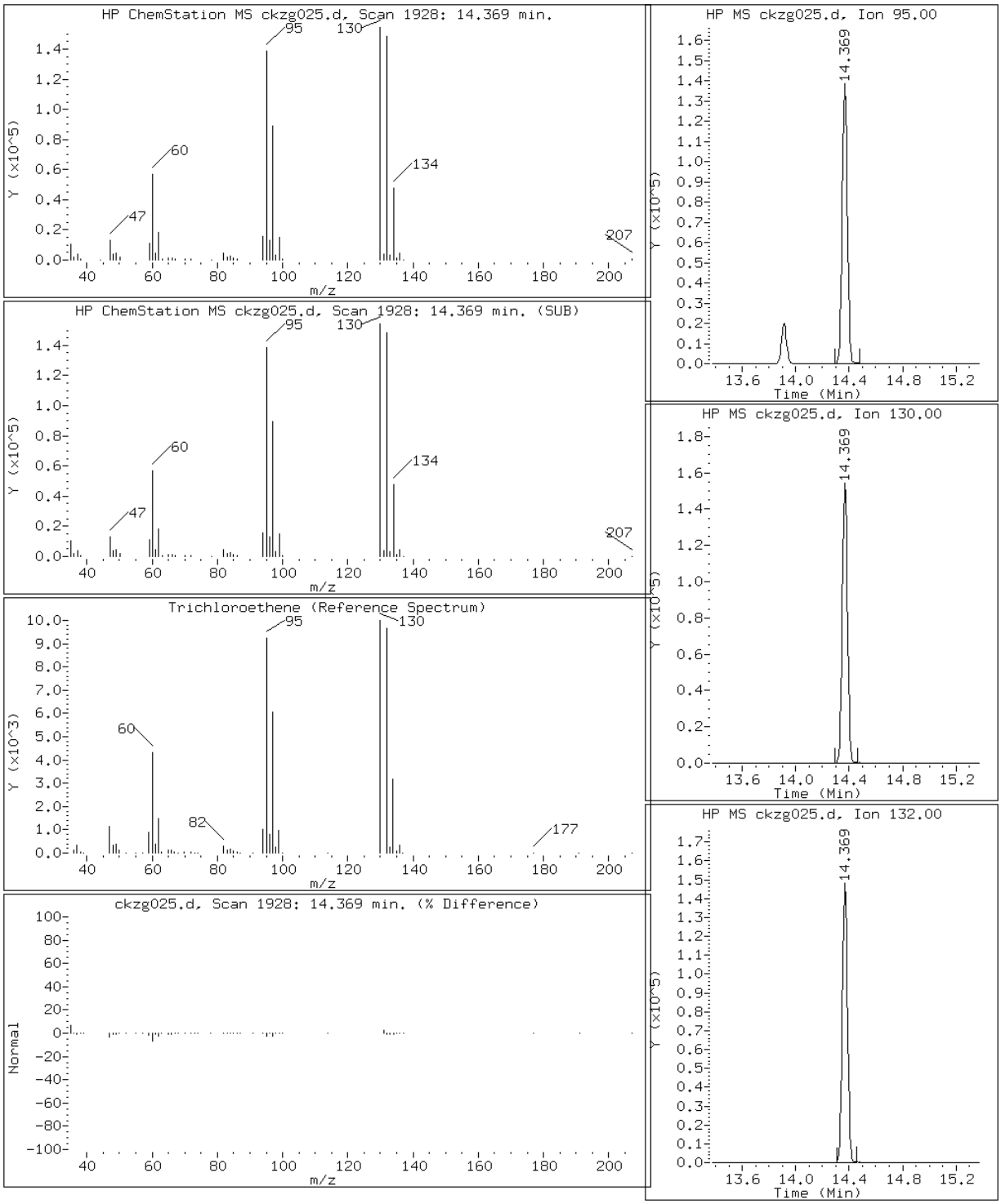
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

49 Trichloroethene



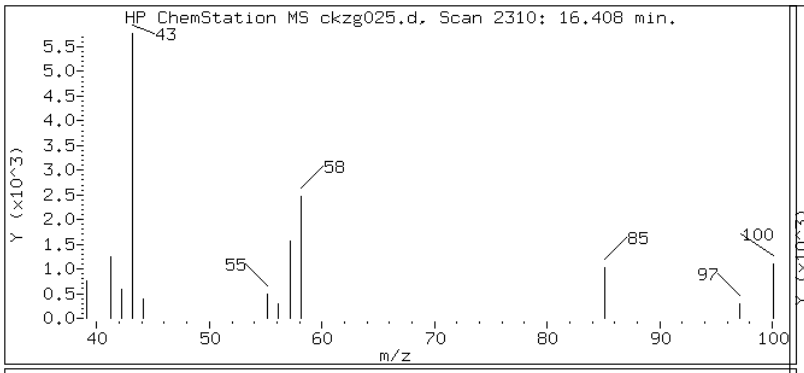
Data File: ckzg025.d

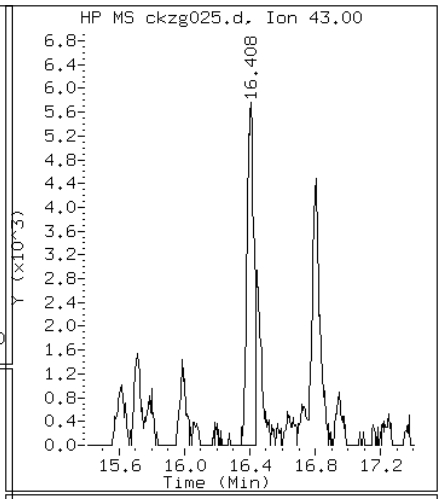
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

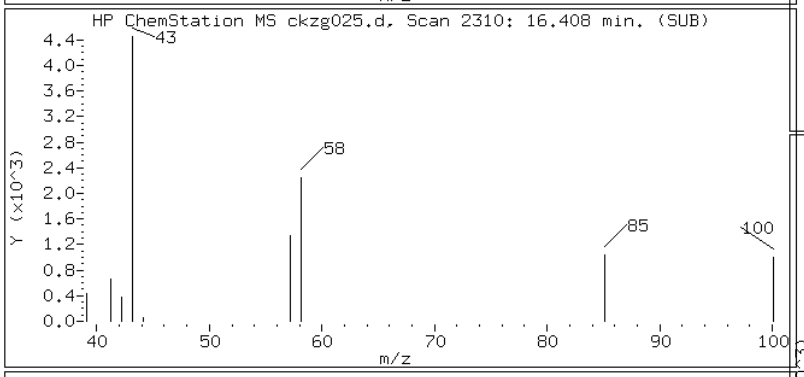
Client ID: 785VMP0401AG Instrument: C.i

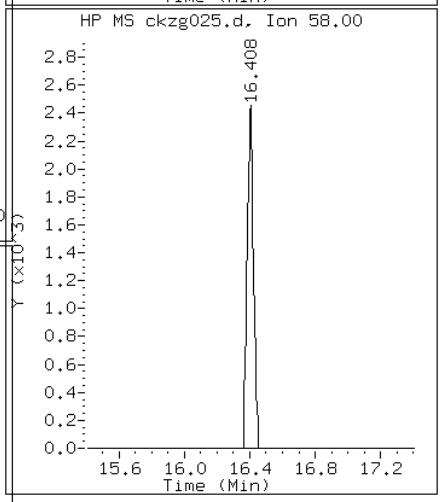
Sample Info: 280-32071-A-19 Operator: pad

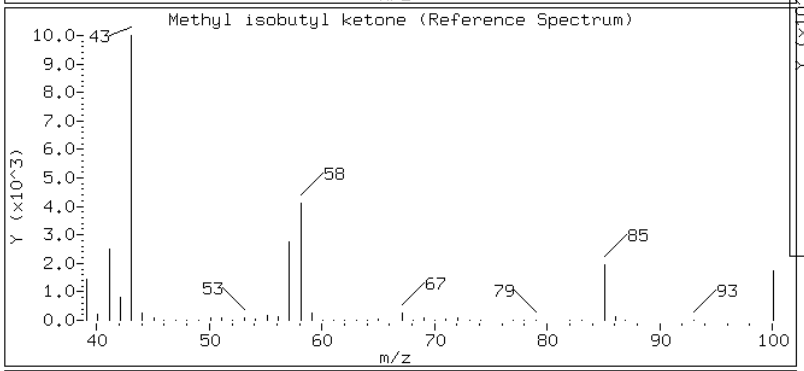
56 Methyl isobutyl ketone

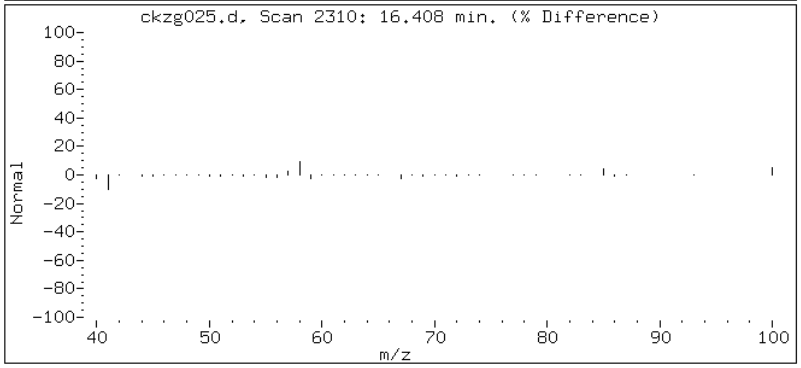












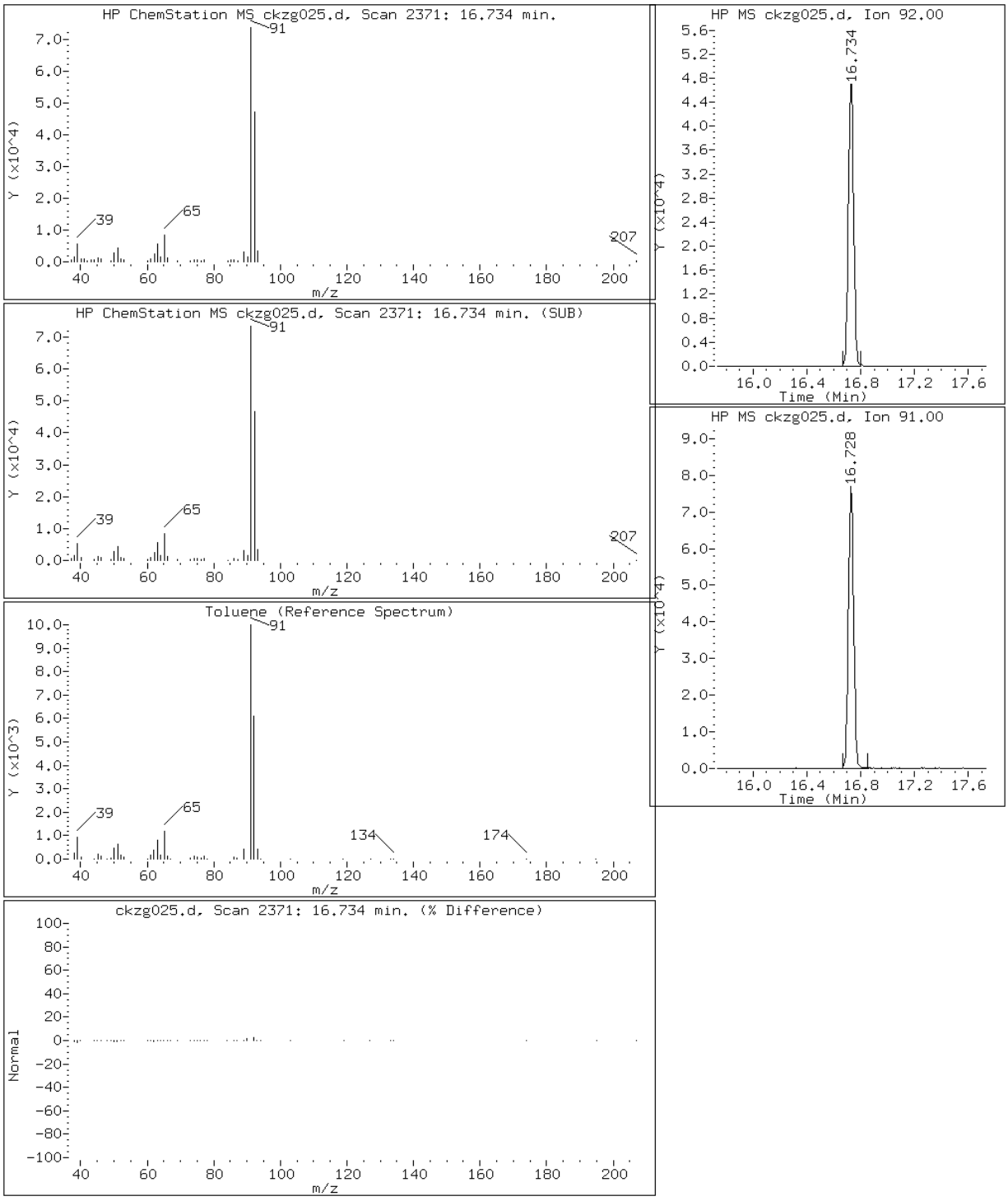
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

58 Toluene



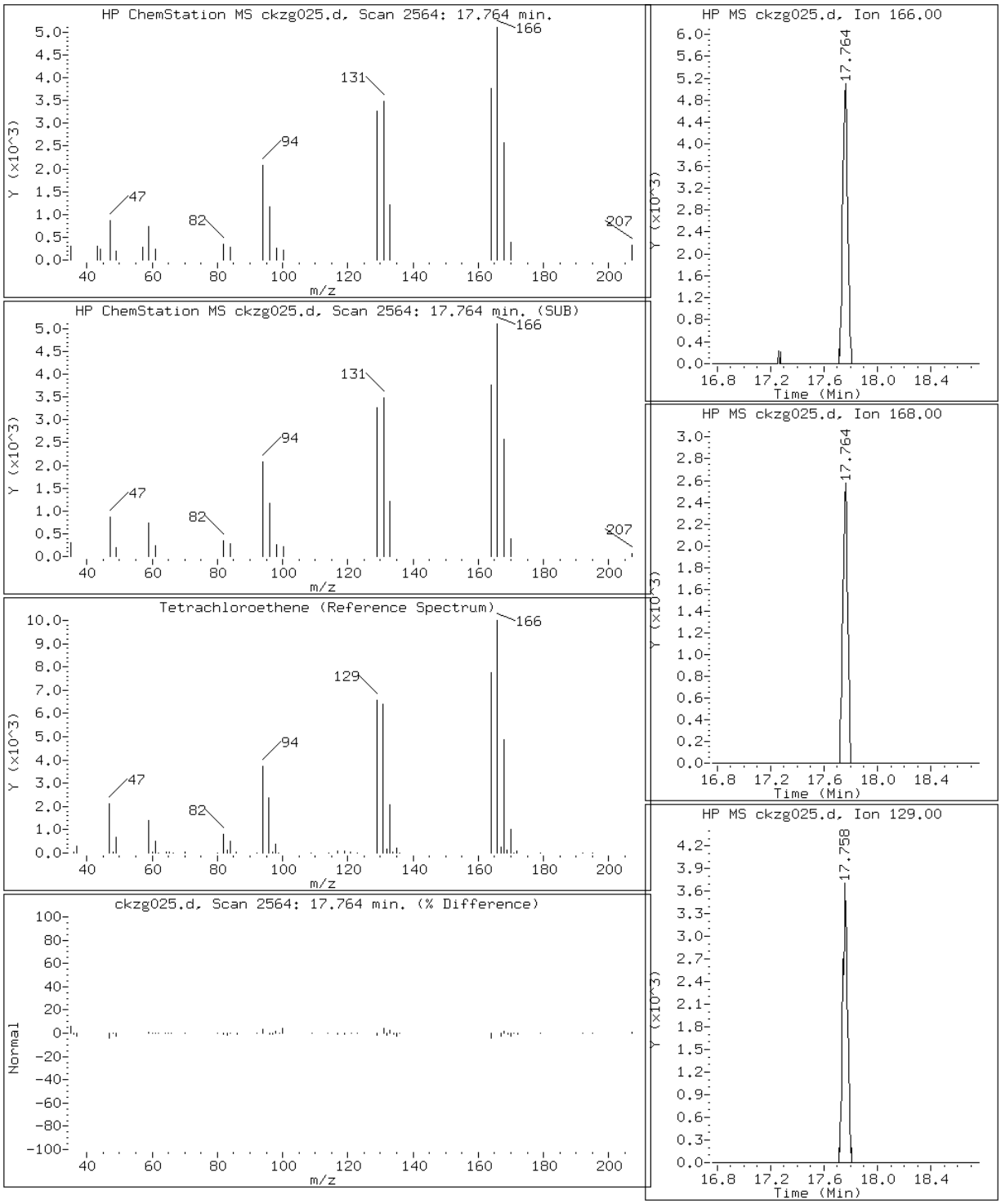
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

61 Tetrachloroethene



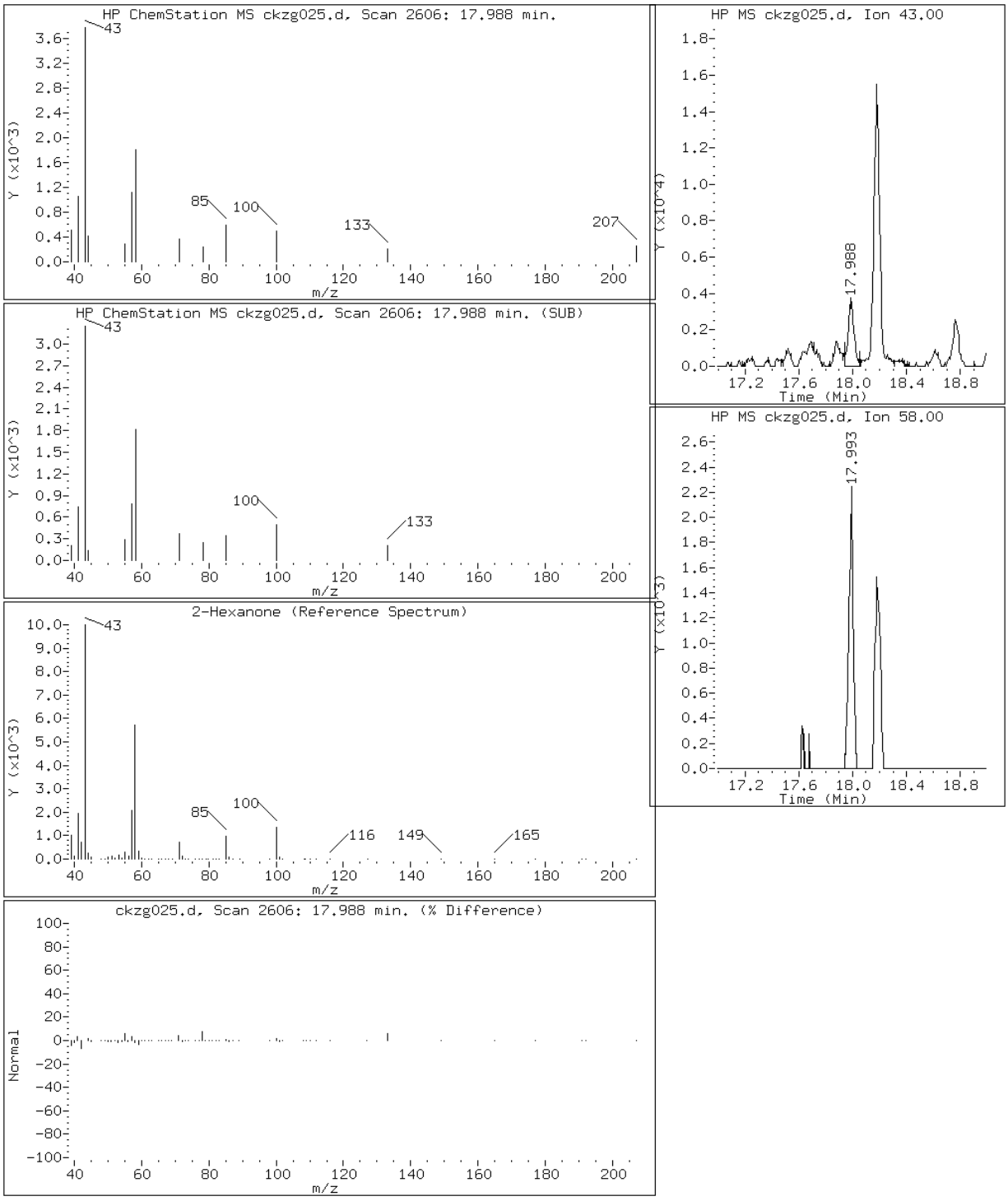
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

62 2-Hexanone



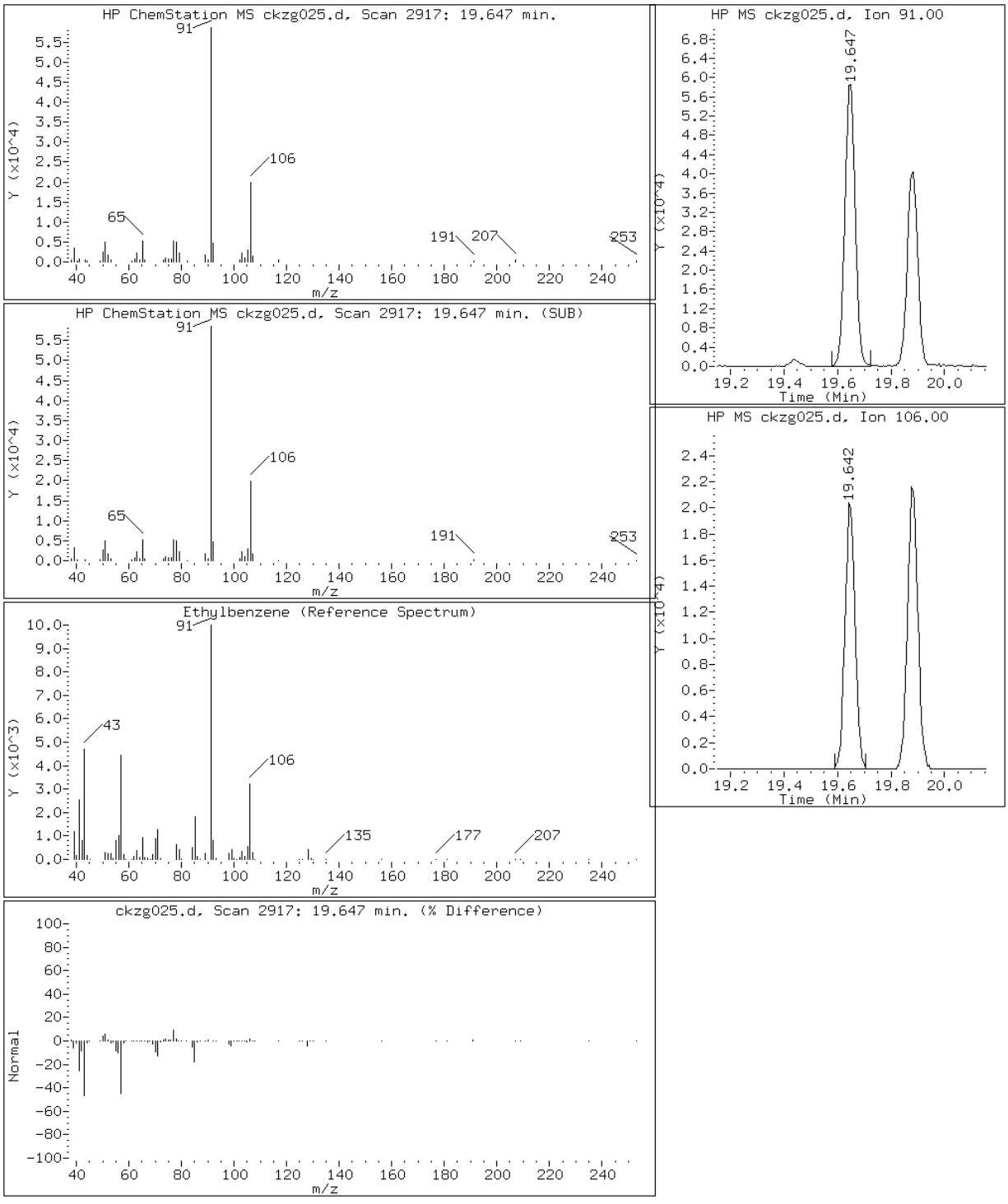
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

68 Ethylbenzene



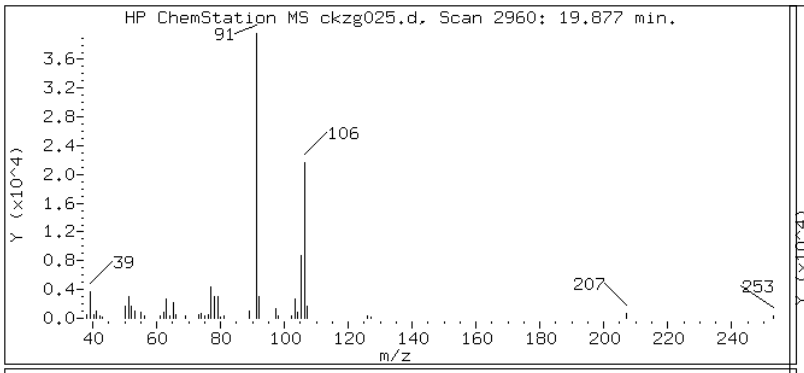
Data File: ckzg025.d

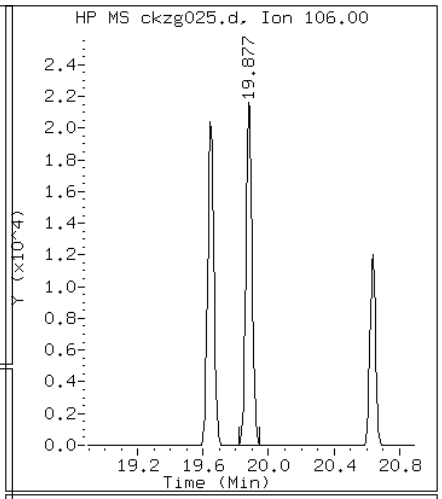
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

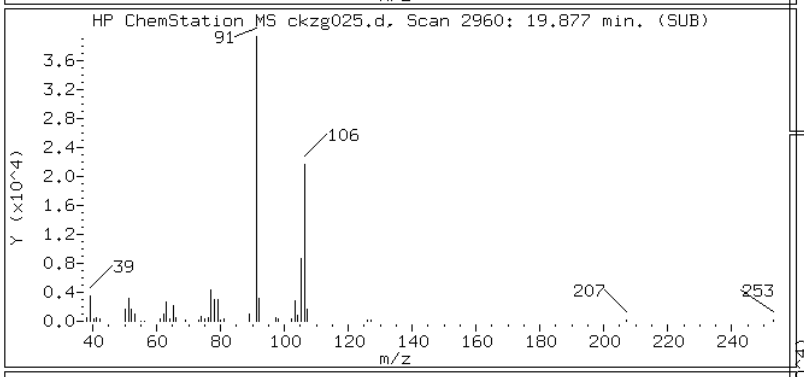
Client ID: 785VMP0401AG Instrument: C.i

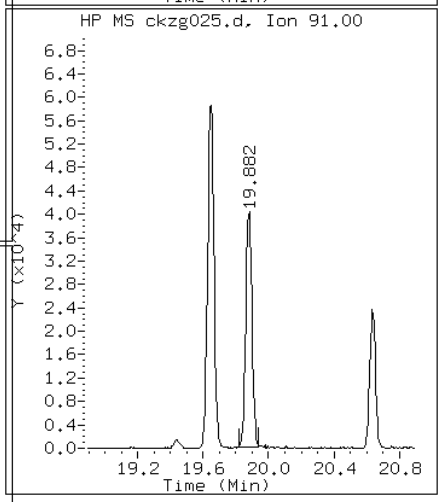
Sample Info: 280-32071-A-19 Operator: pad

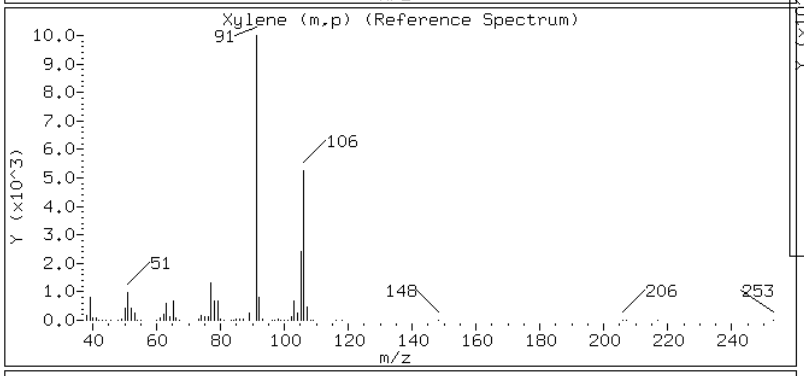
69 Xylene (m,p)

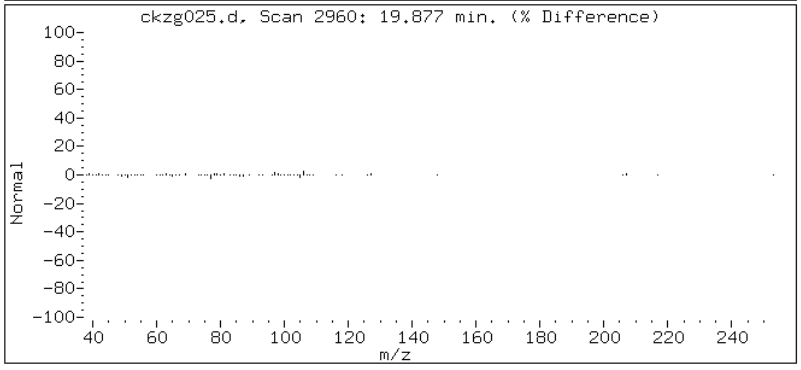












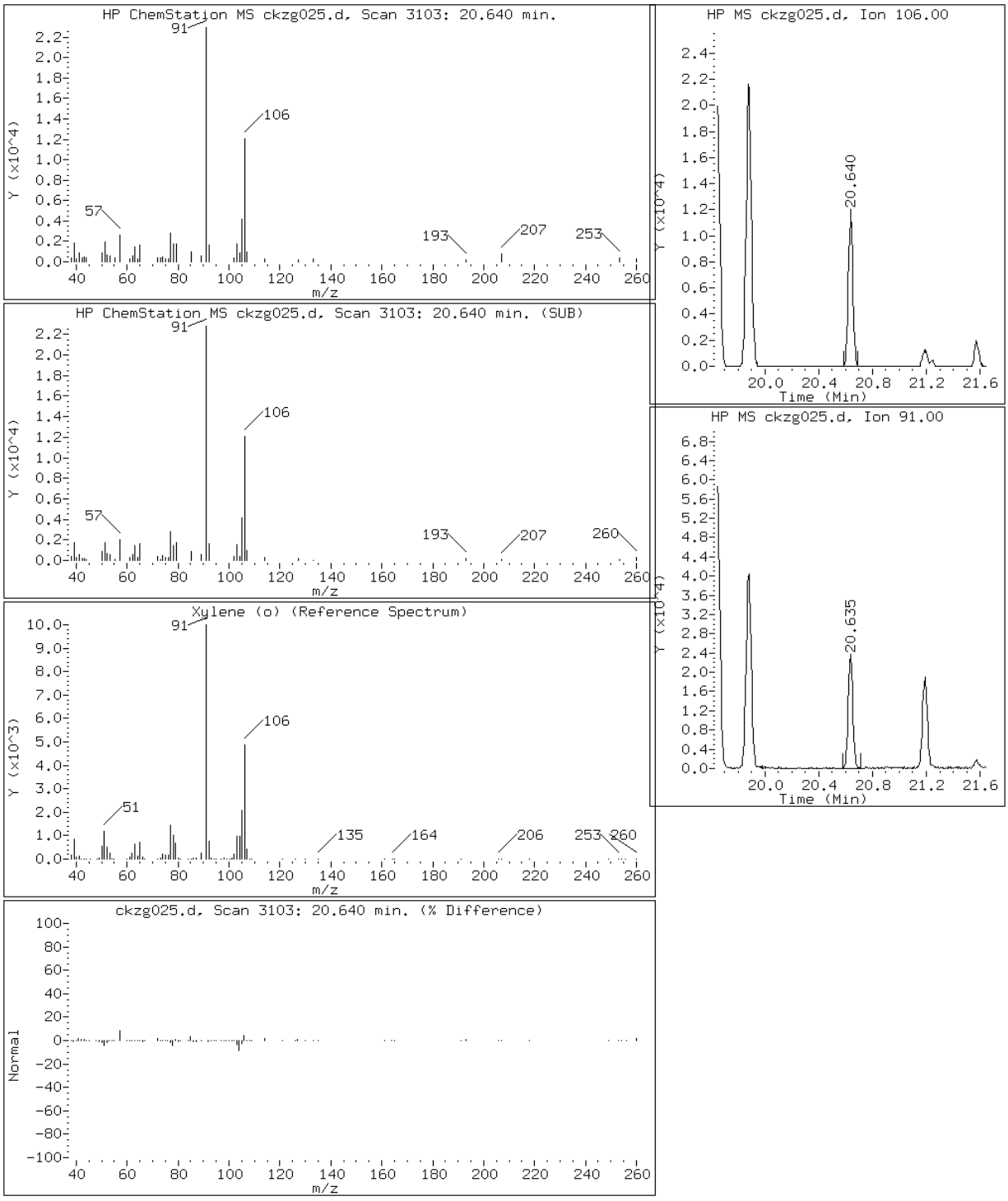
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

71 Xylene (o)



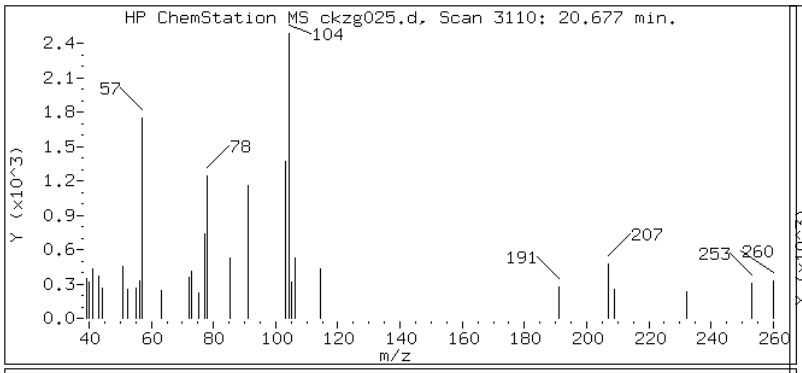
Data File: ckzg025.d

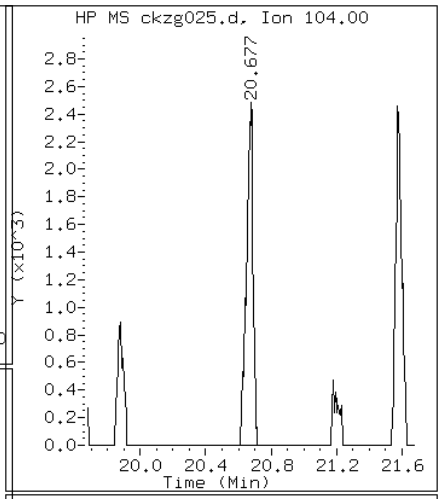
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

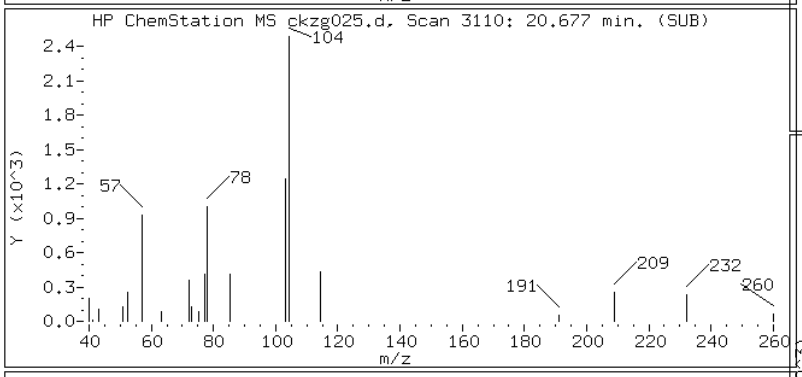
Client ID: 785VMP0401AG Instrument: C.i

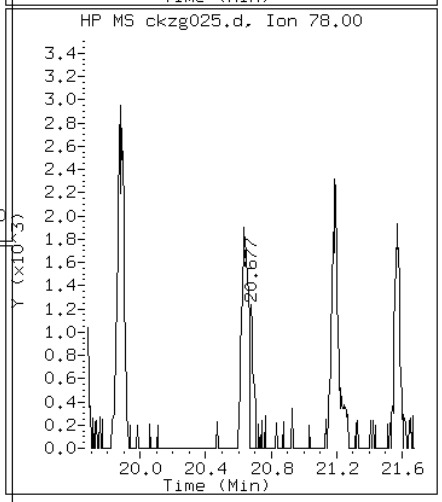
Sample Info: 280-32071-A-19 Operator: pad

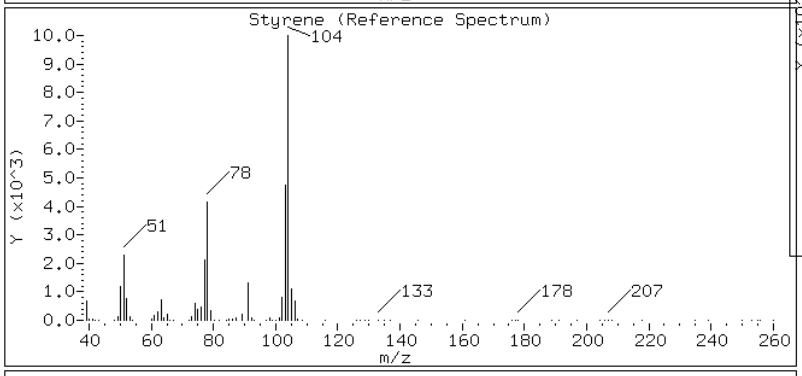
72 Styrene

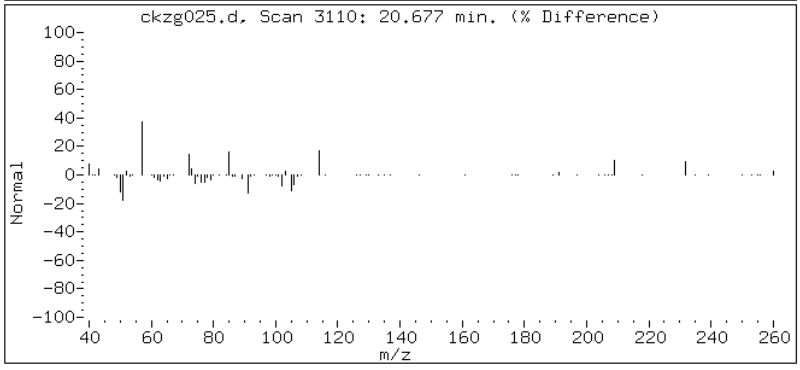












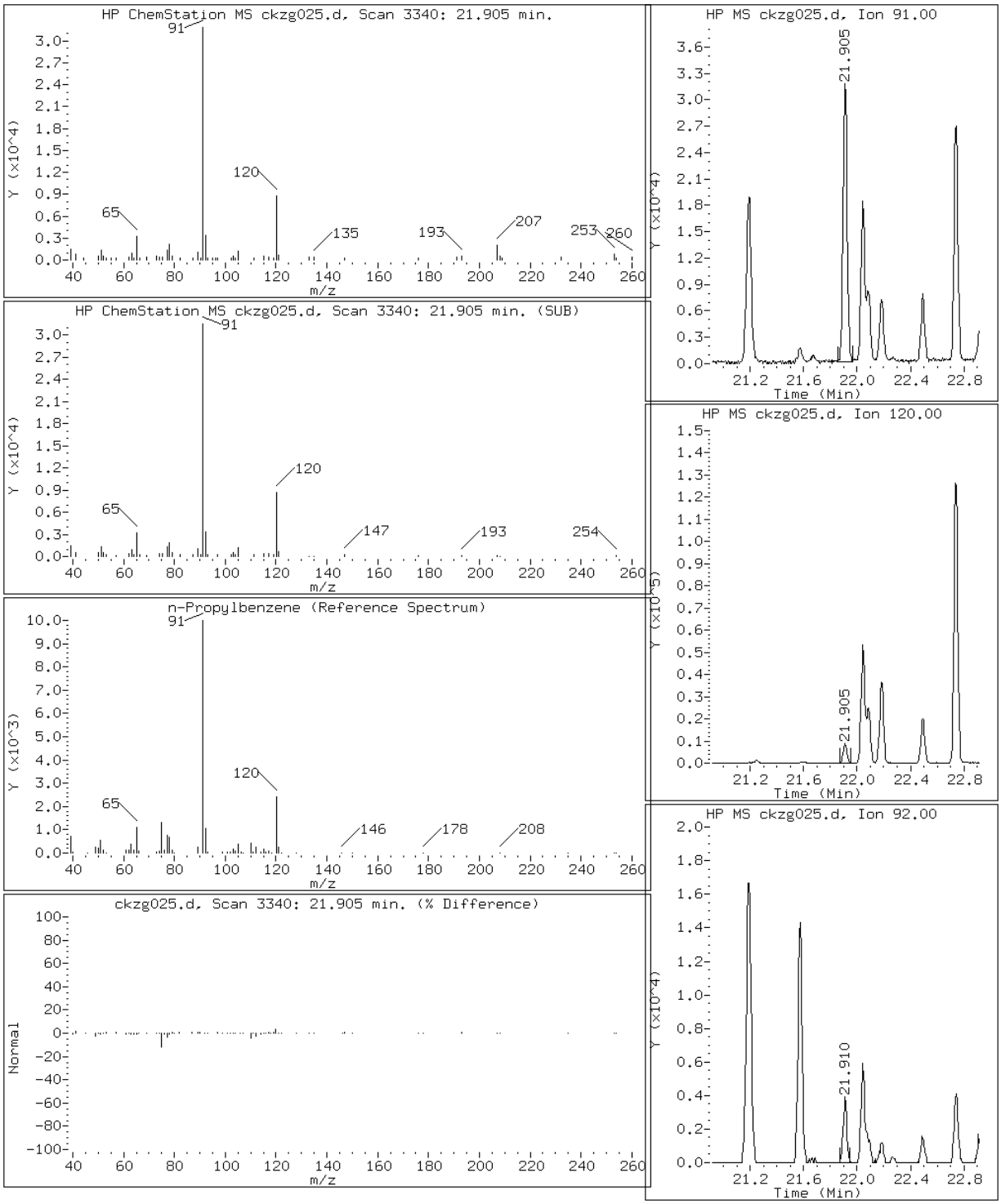
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

76 n-Propylbenzene



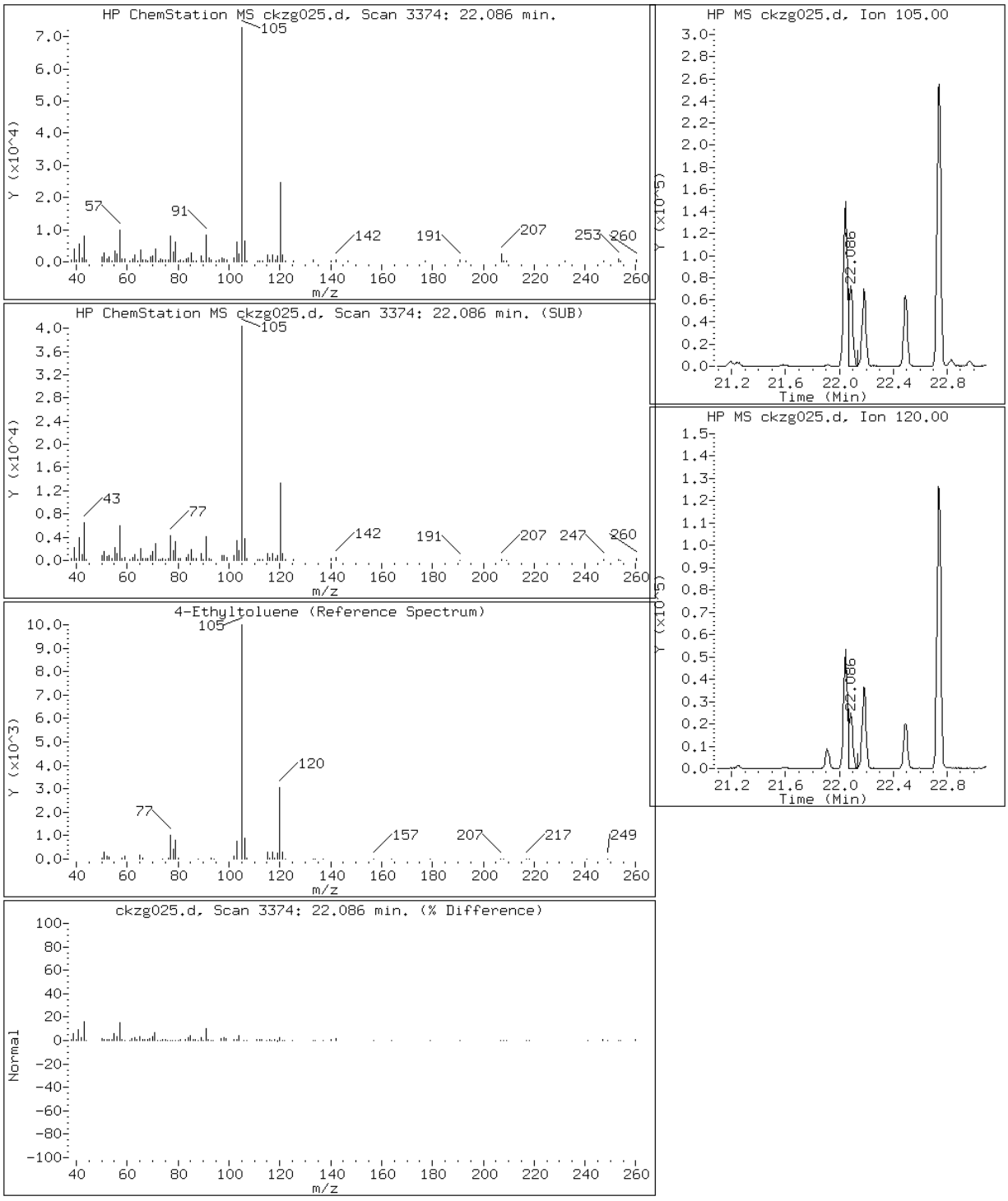
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

79 4-Ethyltoluene



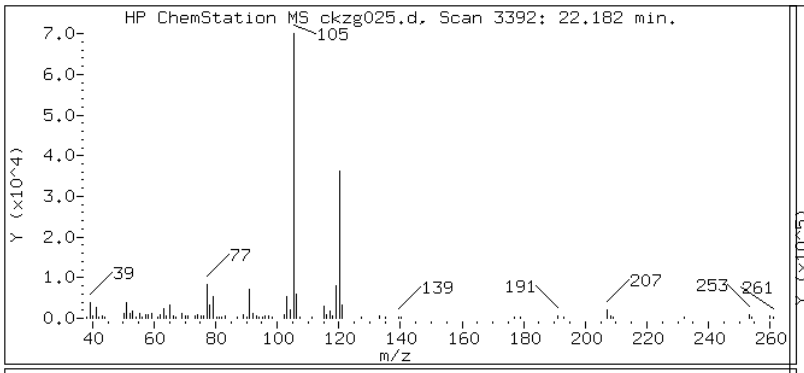
Data File: ckzg025.d

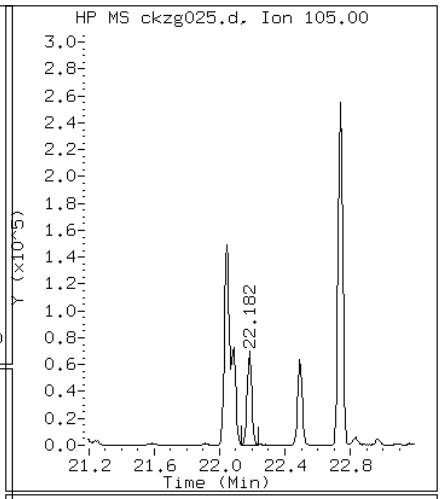
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

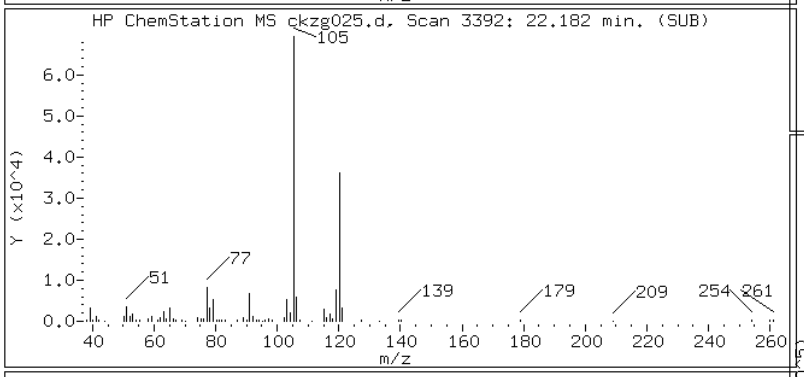
Client ID: 785VMP0401AG Instrument: C.i

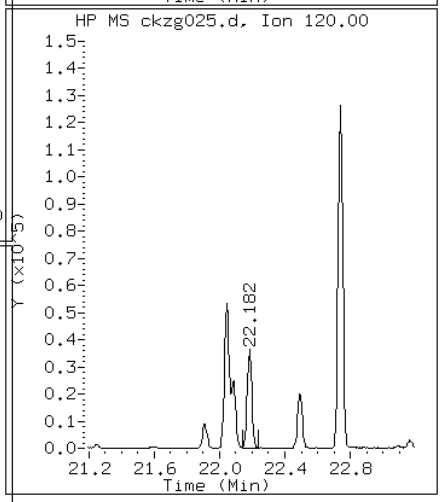
Sample Info: 280-32071-A-19 Operator: pad

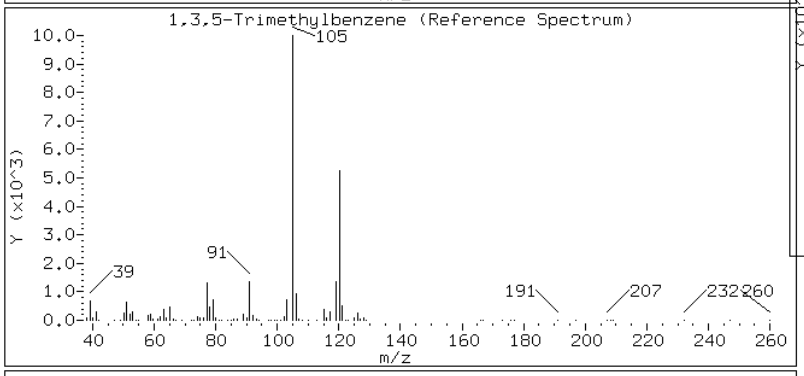
81 1,3,5-Trimethylbenzene

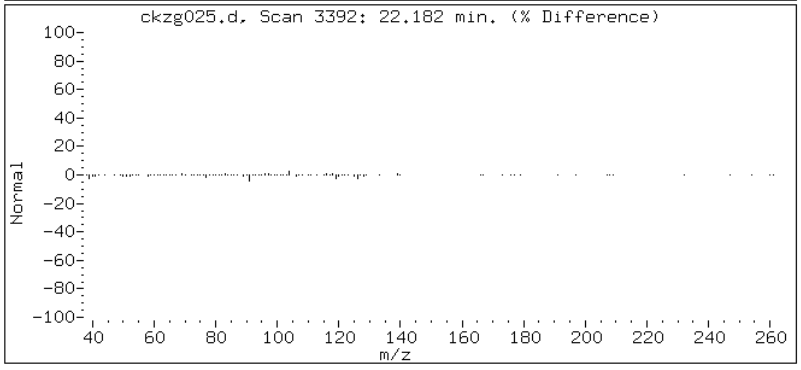












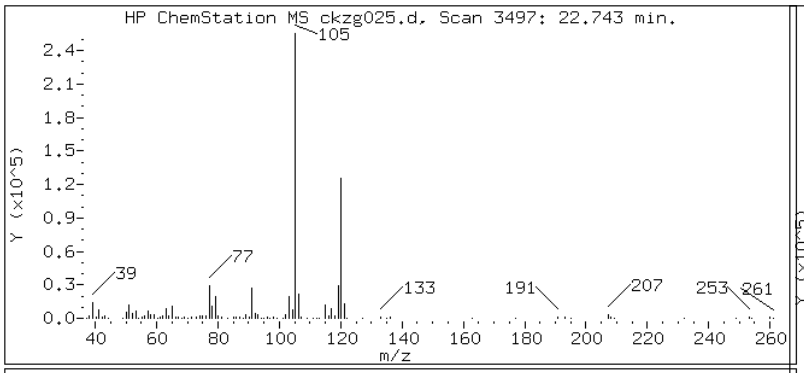
Data File: ckzg025.d

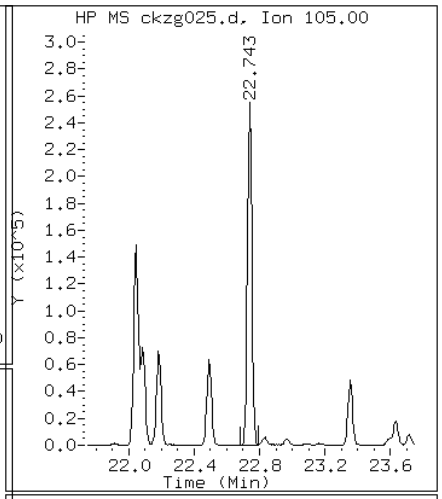
Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

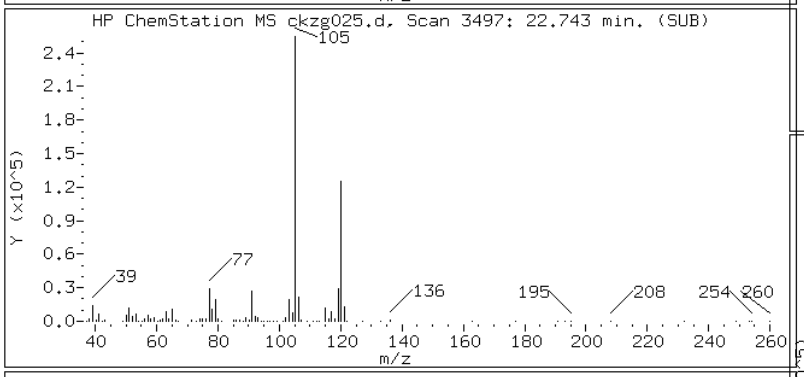
Client ID: 785VMP0401AG Instrument: C.i

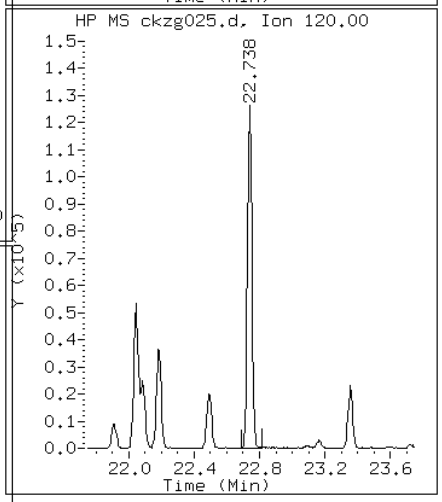
Sample Info: 280-32071-A-19 Operator: pad

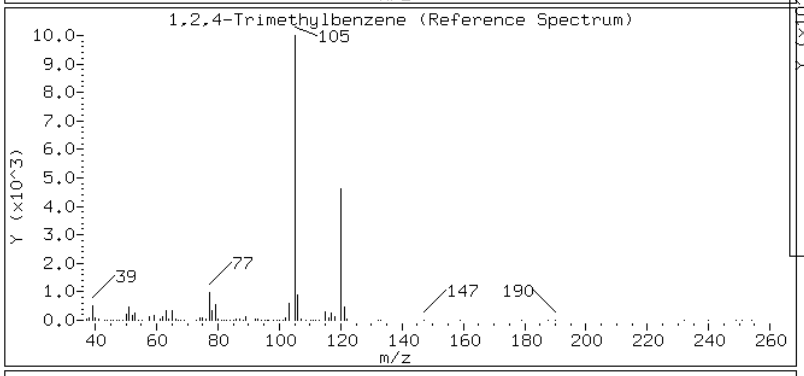
84 1,2,4-Trimethylbenzene

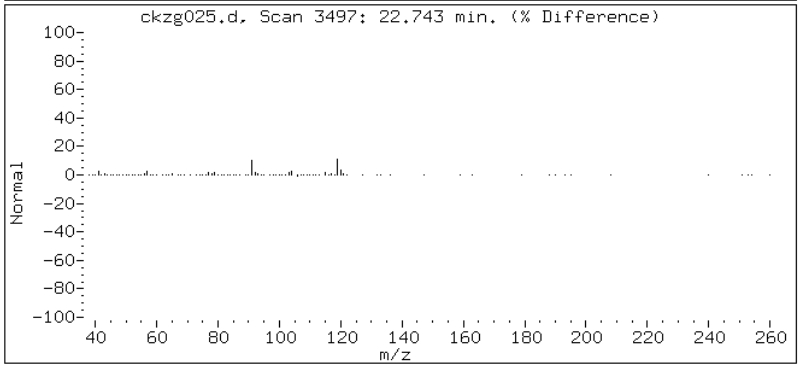












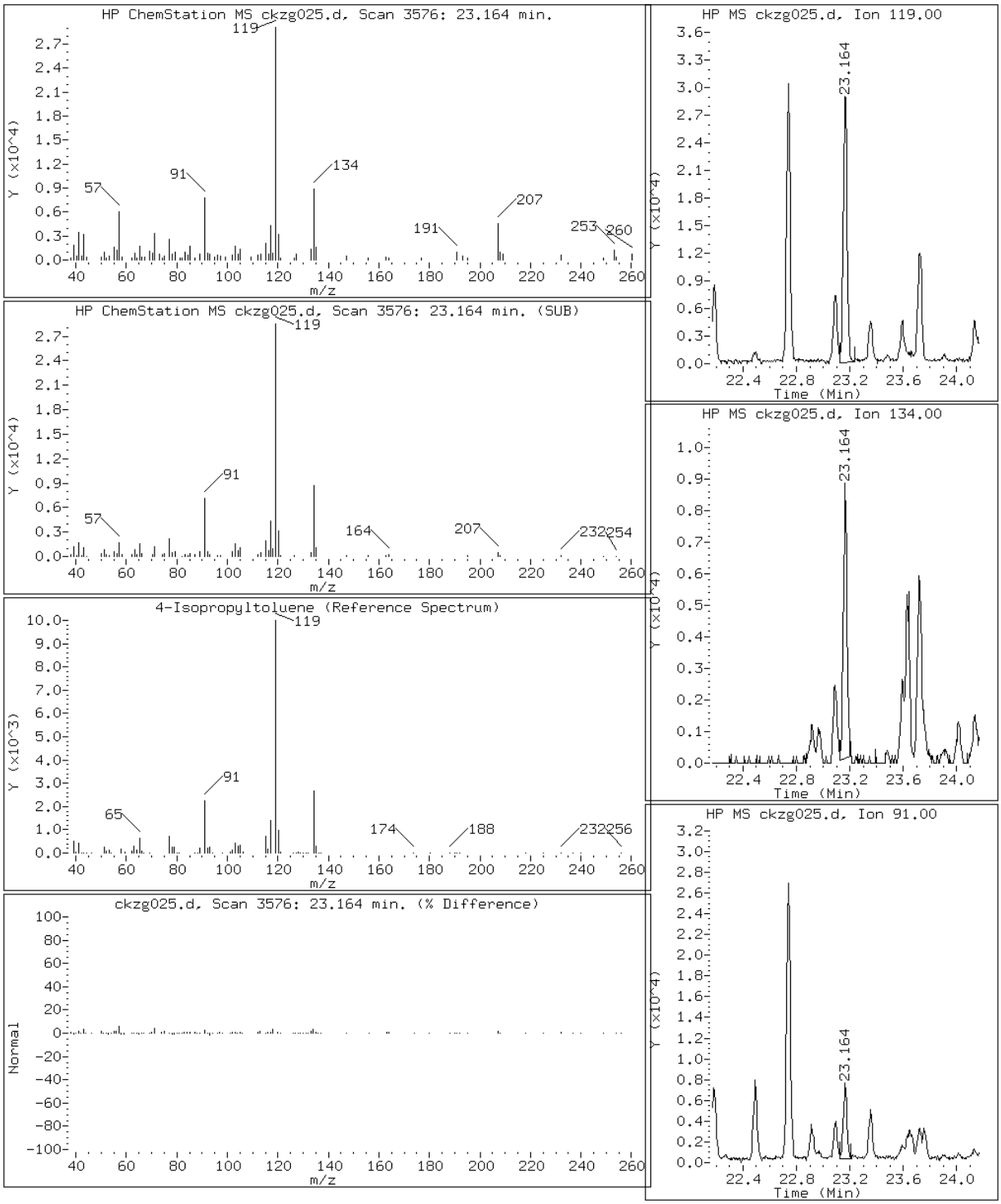
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

86 4-Isopropyltoluene



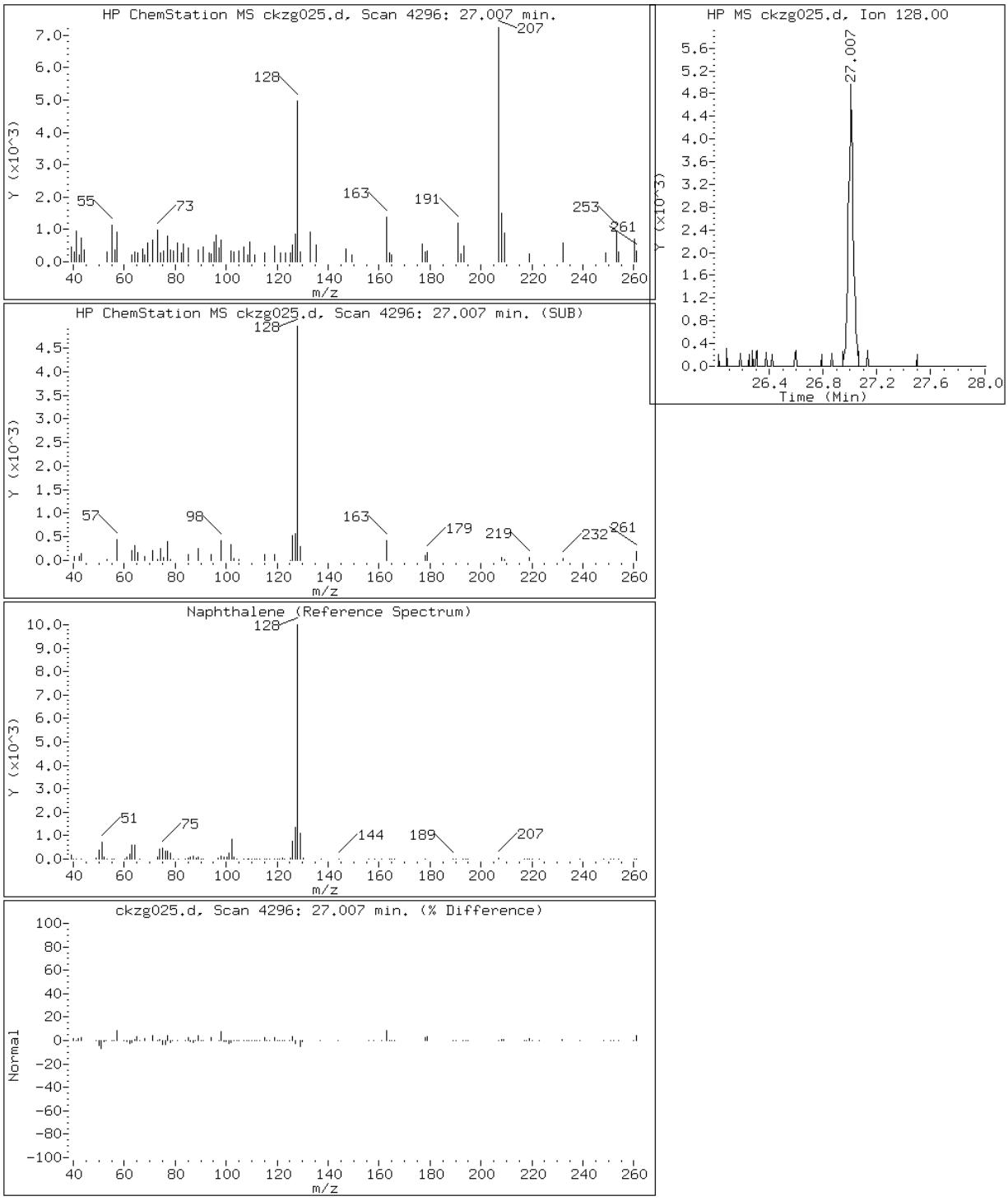
Data File: ckzg025.d

Lab Sample ID: 280-32071-19 Date: 23-AUG-2012 09:07

Client ID: 785VMP0401AG Instrument: C.i

Sample Info: 280-32071-A-19 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg025.d
Lab Sample ID: 280-32071-19
Inj. Date and Time: 23-AUG-2012 09:07
Instrument ID: C.i
Client ID: 785VMP0401AG
Compound: 41 1,1,1-Trichloroethane
CAS #: 71-55-6
Report Date: 08/28/2012

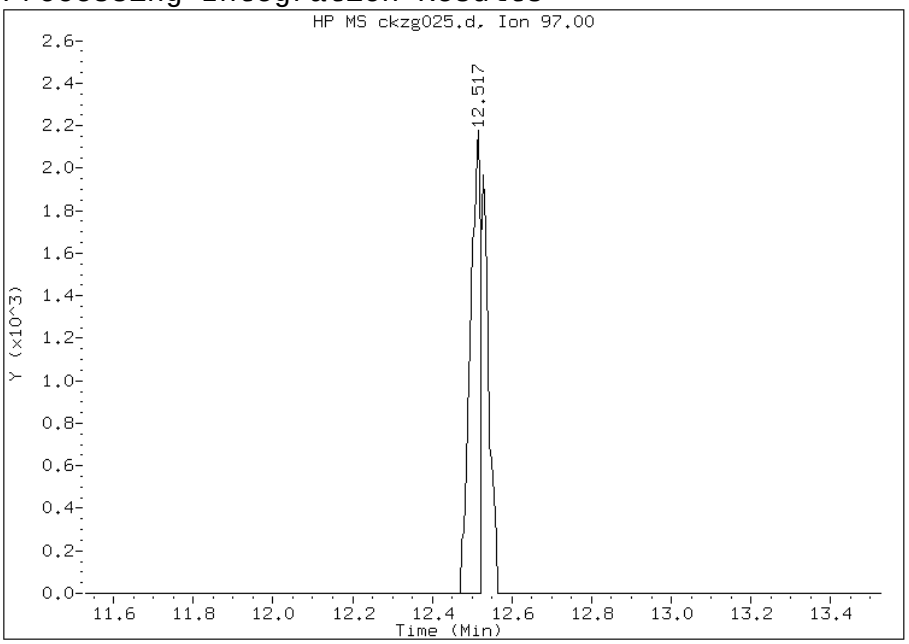
Processing Integration Results

RT: 12.52

Response: 4036

Amount: 0.047006

Conc: 0.047006



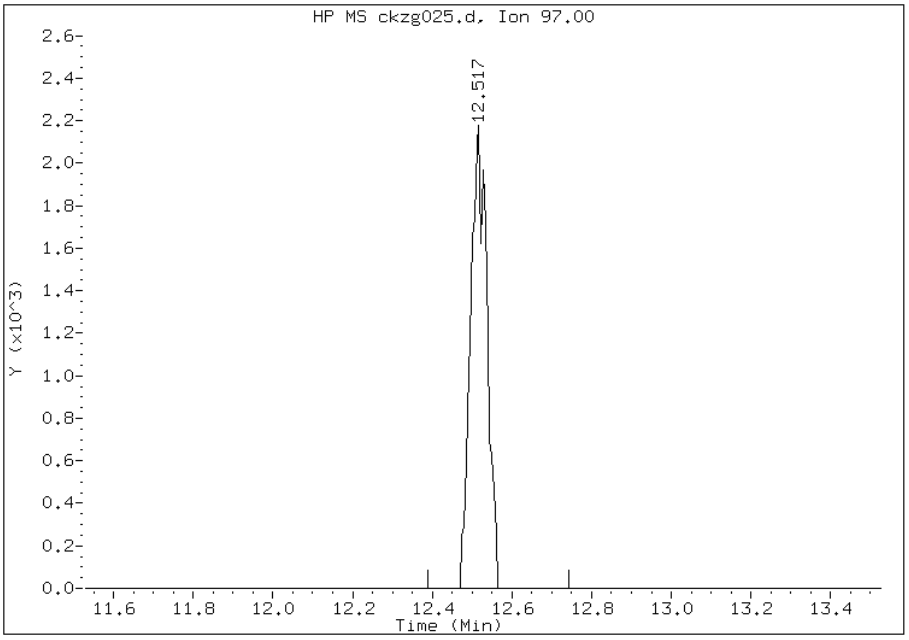
Manual Integration Results

RT: 12.52

Response: 6251

Amount: 0.072804

Conc: 0.072804



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0501AD Lab Sample ID: 280-32071-20

Matrix: Air Lab File ID: ckzg026.d

Analysis Method: TO-15 Date Collected: 08/08/2012 15:00

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.47	J	0.50	0.034
106-97-8	n-Butane	58.12	1.8		0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.27		0.20	0.021
76-13-1	Freon TF	187.38	0.076	J	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	8.5		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	0.86	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.87		0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.17	J M	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.32	J	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.36		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	1.5		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.14	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.14	J M	0.20	0.020
110-82-7	Cyclohexane	84.16	0.22		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.072	J	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.20		0.20	0.015
71-43-2	Benzene	78.11	0.16	J M	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0501AD Lab Sample ID: 280-32071-20

Matrix: Air Lab File ID: ckzg026.d

Analysis Method: TO-15 Date Collected: 08/08/2012 15:00

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33		0.20	0.017
79-01-6	Trichloroethene	131.39	3.7		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.12	J	0.50	0.034
108-88-3	Toluene	92.14	0.98		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.21	J	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.86		0.20	0.015
179601-23-1	m,p-Xylene	106.17	3.1		0.50	0.022
95-47-6	Xylene, o-	106.17	1.1		0.20	0.016
1330-20-7	Xylene (total)	106.17	4.2		0.20	0.016
100-42-5	Styrene	104.15	0.15	J	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.14	J	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.12	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0501AD Lab Sample ID: 280-32071-20

Matrix: Air Lab File ID: ckzg026.d

Analysis Method: TO-15 Date Collected: 08/08/2012 15:00

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.088	J Q	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0501AD Lab Sample ID: 280-32071-20

Matrix: Air Lab File ID: ckzg026.d

Analysis Method: TO-15 Date Collected: 08/08/2012 15:00

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.97	J	1.0	0.070
106-97-8	n-Butane	58.12	4.4		1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1	0.12
76-13-1	Freon TF	187.38	0.58	J	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	20		12	0.95
67-63-0	Isopropyl alcohol	60.10	2.1	J	12	0.19
75-15-0	Carbon disulfide	76.14	2.7		1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.59	J M	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.96	J	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.3		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	4.3		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.41	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.74	J M	1.1	0.11
110-82-7	Cyclohexane	84.16	0.76		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.45	J	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.92		0.93	0.070
71-43-2	Benzene	78.11	0.50	J M	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0501AD Lab Sample ID: 280-32071-20

Matrix: Air Lab File ID: ckzg026.d

Analysis Method: TO-15 Date Collected: 08/08/2012 15:00

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.4		0.82	0.070
79-01-6	Trichloroethene	131.39	20		1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.49	J	2.0	0.14
108-88-3	Toluene	92.14	3.7		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.86	J	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	3.8		0.87	0.065
179601-23-1	m,p-Xylene	106.17	14		2.2	0.096
95-47-6	Xylene, o-	106.17	4.7		0.87	0.069
1330-20-7	Xylene (total)	106.17	18		0.87	0.069
100-42-5	Styrene	104.15	0.64	J	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.69	J	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.64	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: 785VMP0501AD Lab Sample ID: 280-32071-20

Matrix: Air Lab File ID: ckzg026.d

Analysis Method: TO-15 Date Collected: 08/08/2012 15:00

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2012 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.46	J Q	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-20
Client Smp ID: 785VMP0501AD
Inj Date : 23-AUG-2012 10:01
Operator : pad Inst ID: C.i
Smp Info : 280-32071-A-20
Misc Info : 200,1, all74
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 13:07 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	44468	0.49371	0.49(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.800	4.811	(0.397)	11833	0.47111	0.47(a)
6 Butane	43	5.067	5.078	(0.419)	82008	1.84592	1.8
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.566)	25703	0.27058	0.27
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	5041	0.07590	0.076(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.259	8.269	(0.683)	307352	8.50904	8.5

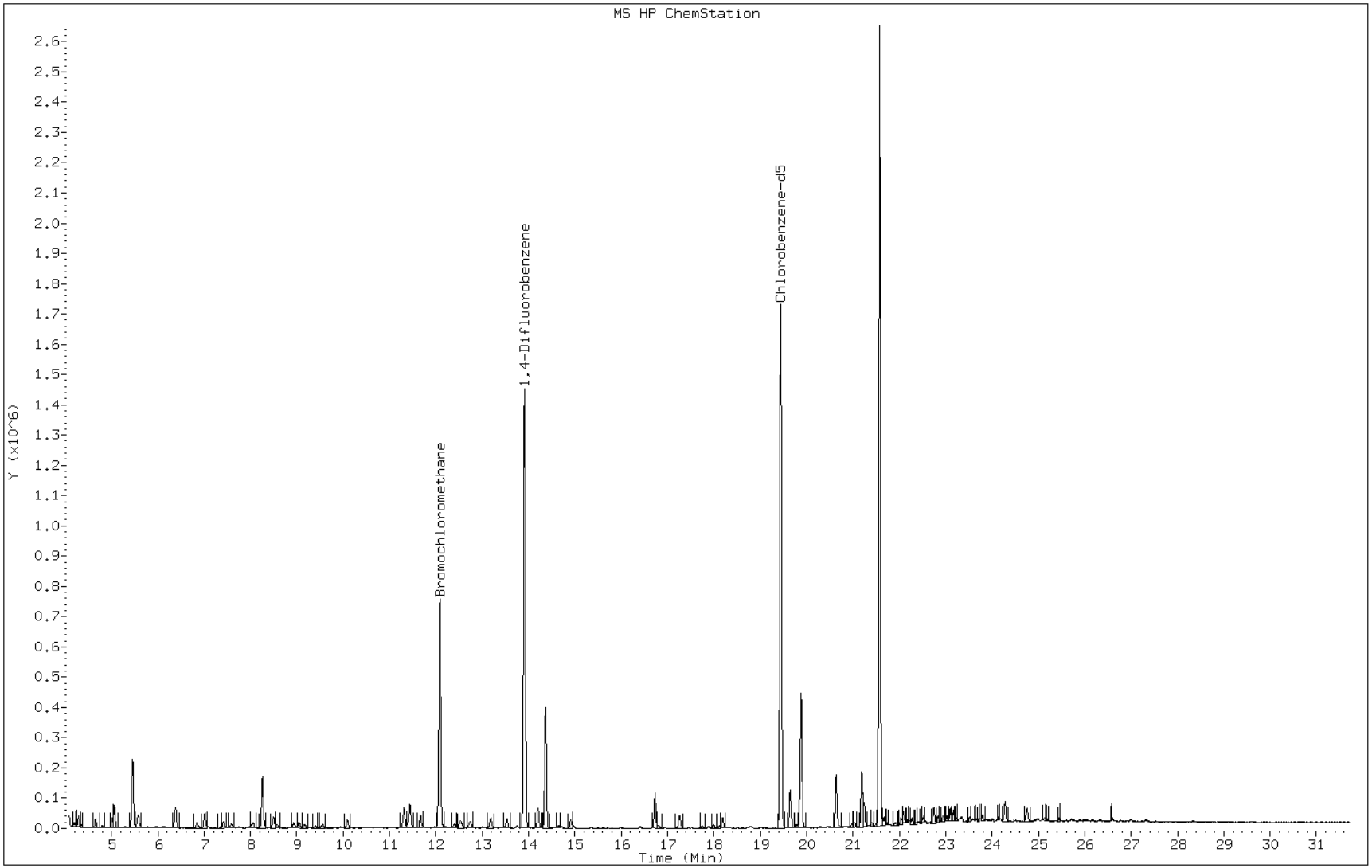
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	8.499	8.509	(0.703)	76488	0.87355	0.87
	22 Isopropanol	45	8.573	8.573	(0.709)	21814	0.85957	0.86(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.166	9.177	(0.758)	5244	0.17019	0.17(aM)
	26 Tert-butyl alcohol	59	9.401	9.390	(0.778)	12261	0.31763	0.32(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	10.089	10.105	(0.835)	17638	0.35529	0.36
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.966)	20129	1.46664	1.5(Q)
*	37 Bromochloromethane	128	12.085	12.096	(1.000)	328039	10.0000	
	38 Tetrahydrofuran	42	12.149	12.139	(0.873)	4046	0.13949	0.14(a)
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	12.533	12.544	(0.901)	11428	0.22082	0.22(Q)
	41 1,1,1-Trichloroethane	97	12.523	12.528	(0.900)	11489	0.13642	0.14(aM)
	42 Carbon tetrachloride	117	12.784	12.784	(0.919)	6398	0.07196	0.072(a)
	43 2,2,4-Trimethylpentane	57	13.184	13.201	(0.948)	31919	0.19613	0.20
	44 Benzene	78	13.184	13.190	(0.948)	17175	0.15717	0.16(aM)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.537	13.542	(0.973)	19342	0.33255	0.33
*	47 1,4-Difluorobenzene	114	13.910	13.921	(1.000)	1845029	10.0000	
	49 Trichloroethene	95	14.369	14.375	(1.033)	189949	3.69355	3.7
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.180)	6155	0.11930	0.12(a)
	58 Toluene	92	16.728	16.734	(0.861)	80714	0.98461	0.98
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	17.993	17.993	(0.926)	10020	0.20984	0.21(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.439	19.450	(1.000)	1709947	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	19.647	19.653	(1.011)	148954	0.86386	0.86
	69 Xylene (m,p)	106	19.882	19.893	(1.023)	226087	3.14728	3.1
M	70 Xylenes, Total	106				301357	4.22955	4.2
	71 Xylene (o)	106	20.640	20.646	(1.062)	75270	1.08227	1.1
	72 Styrene	104	20.672	20.678	(1.063)	14823	0.15071	0.15(aQ)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	22821	0.14043	0.14(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	23.164	23.170	(1.192)	23448	0.11637	0.12(a)
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	27.002	27.012	(1.389)	8321	0.08806	0.088(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzg026.d	Date:	23-AUG-2012 10:01
Client ID:	785VMP0501AD	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-20		
Lab Sample ID:	280-32071-20		



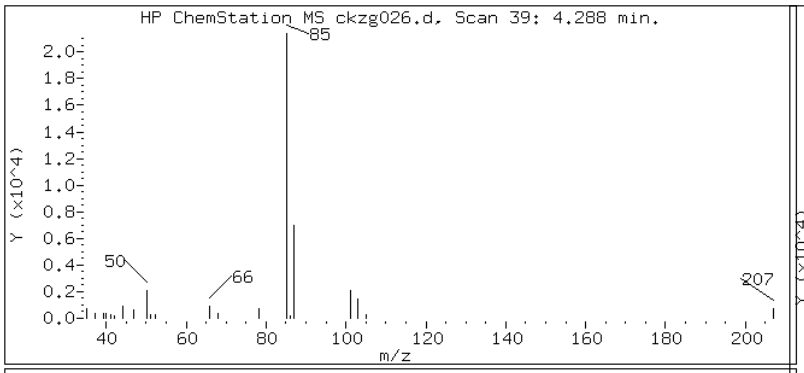
Data File: ckzg026.d

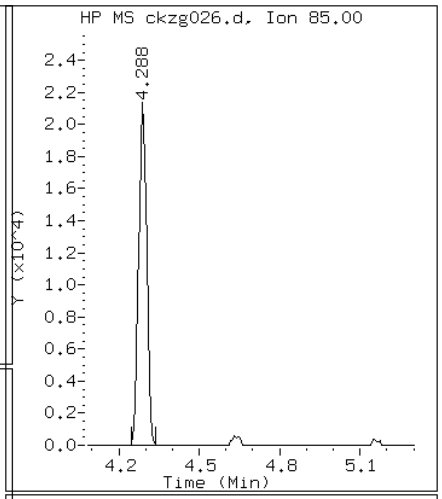
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

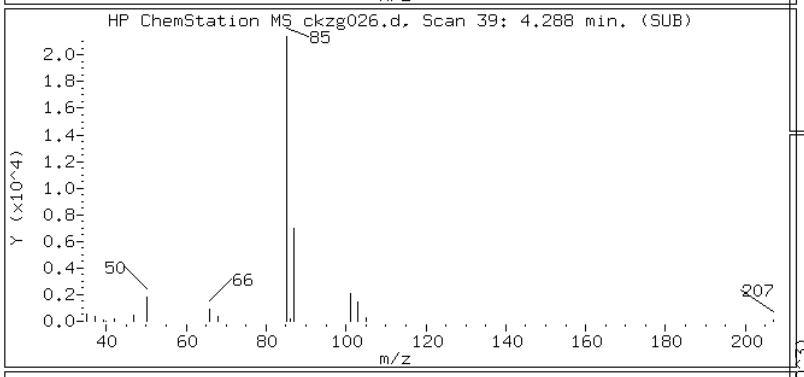
Client ID: 785VMP0501AD Instrument: C.i

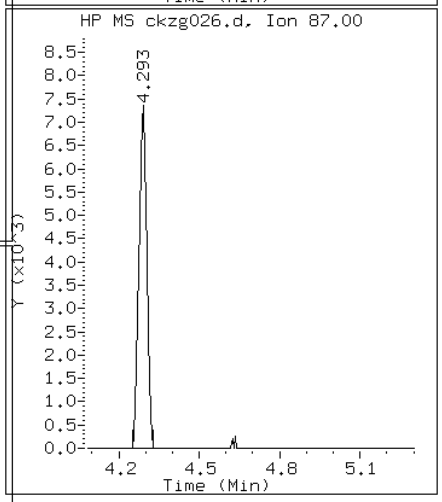
Sample Info: 280-32071-A-20 Operator: pad

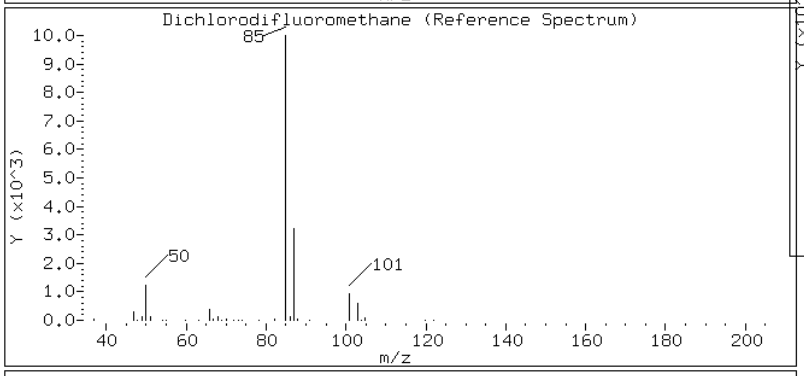
2 Dichlorodifluoromethane

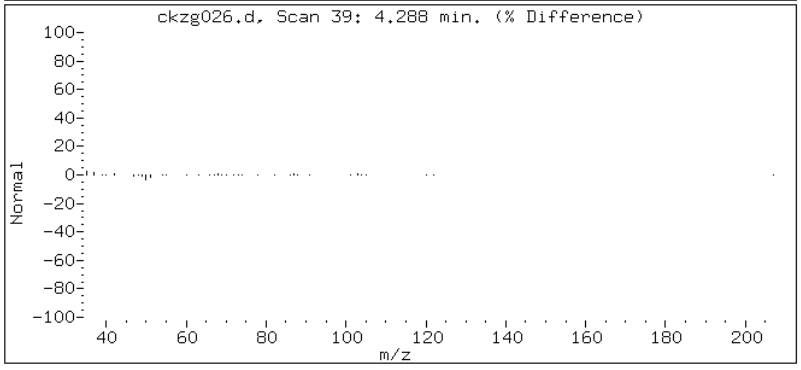












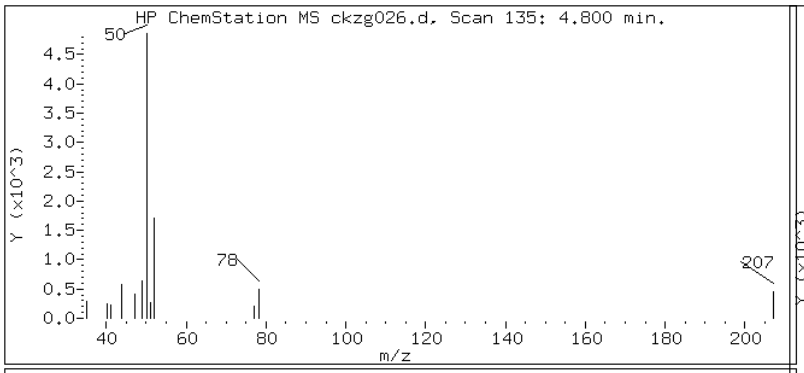
Data File: ckzg026.d

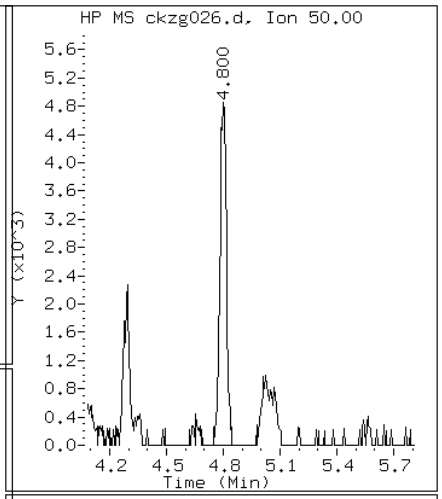
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

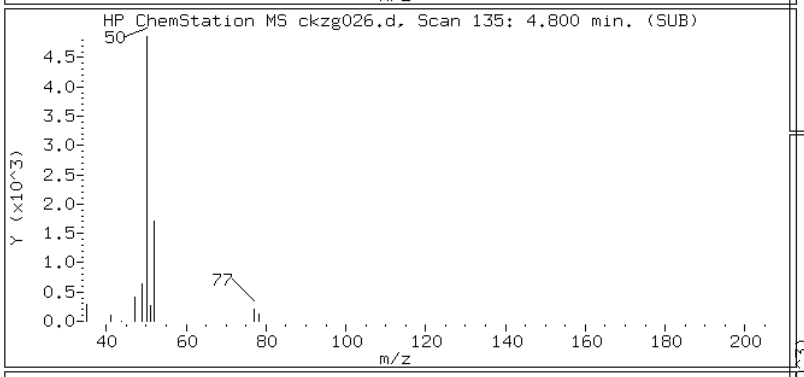
Client ID: 785VMP0501AD Instrument: C.i

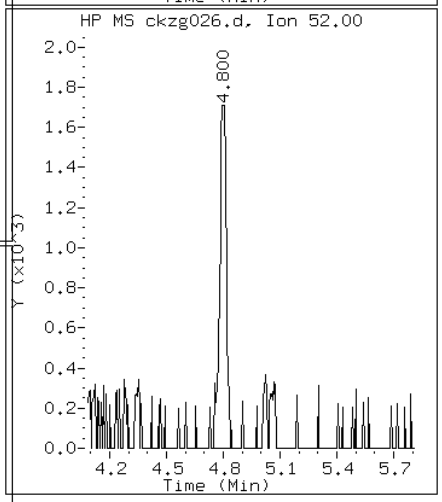
Sample Info: 280-32071-A-20 Operator: pad

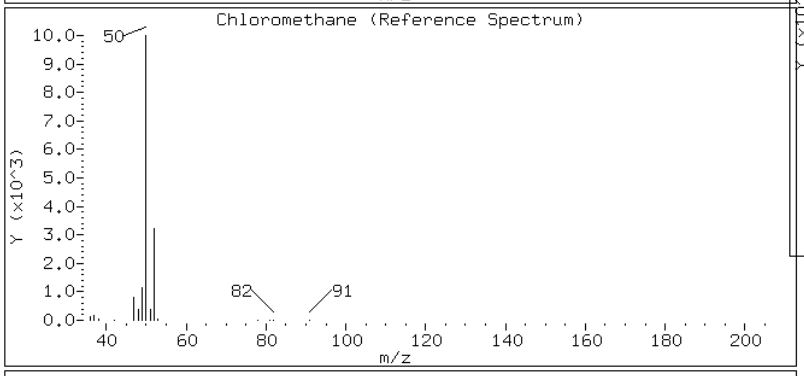
5 Chloromethane

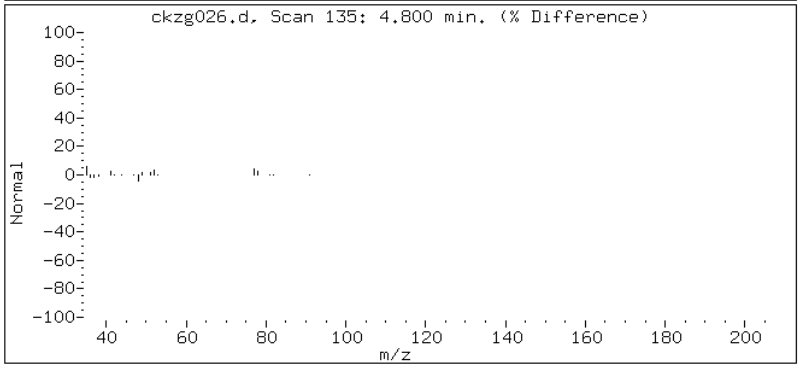












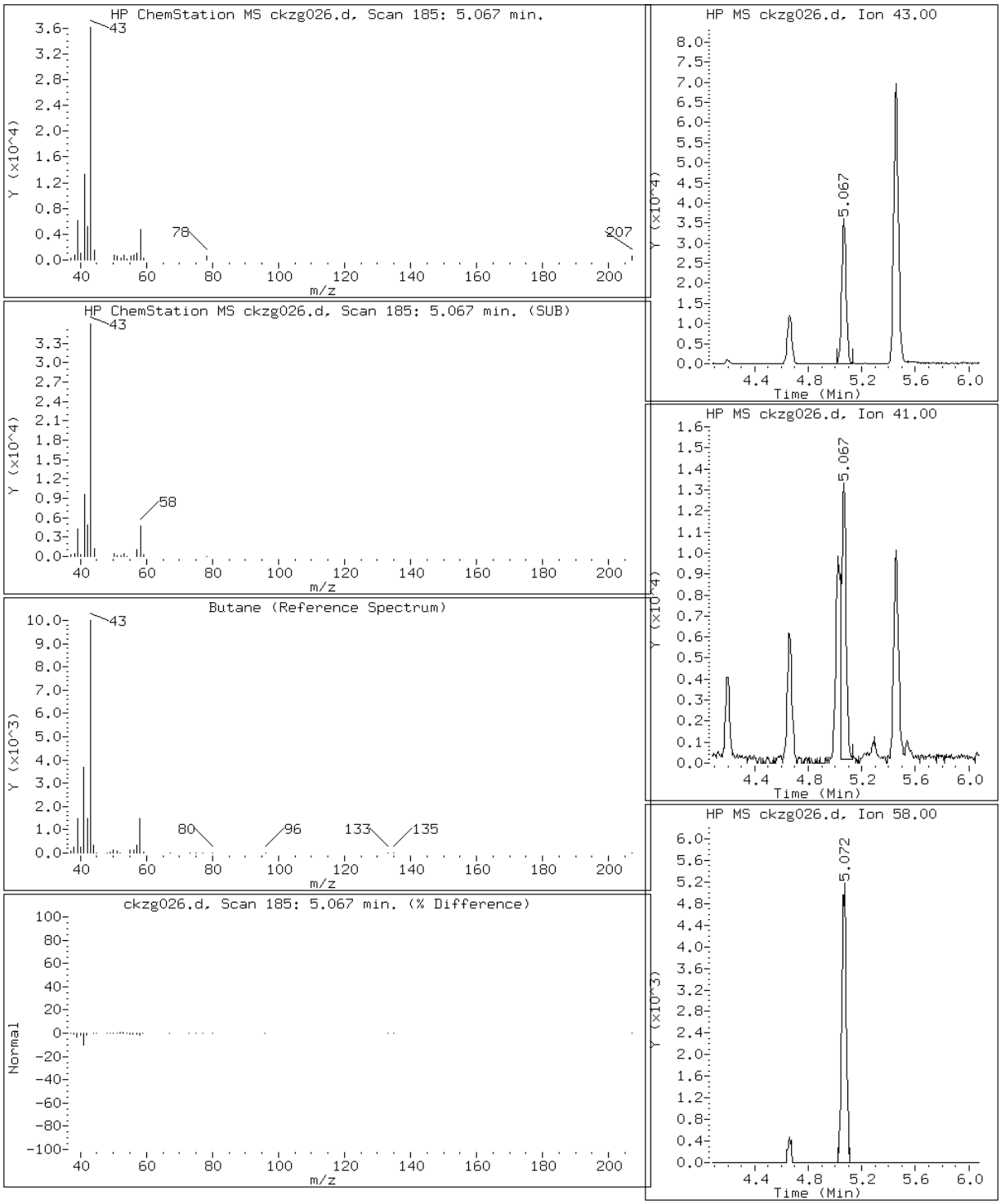
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

6 Butane



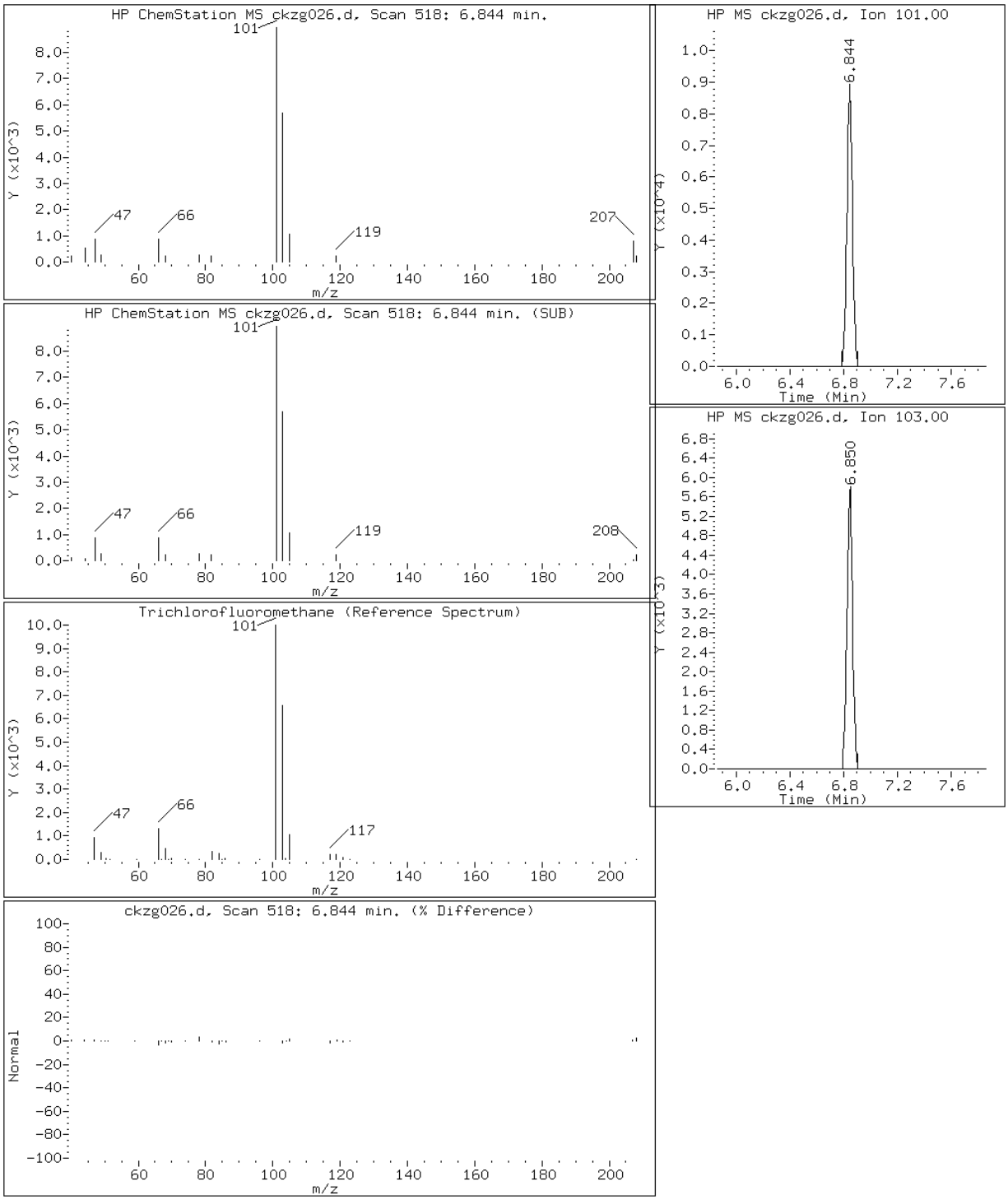
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

13 Trichlorofluoromethane



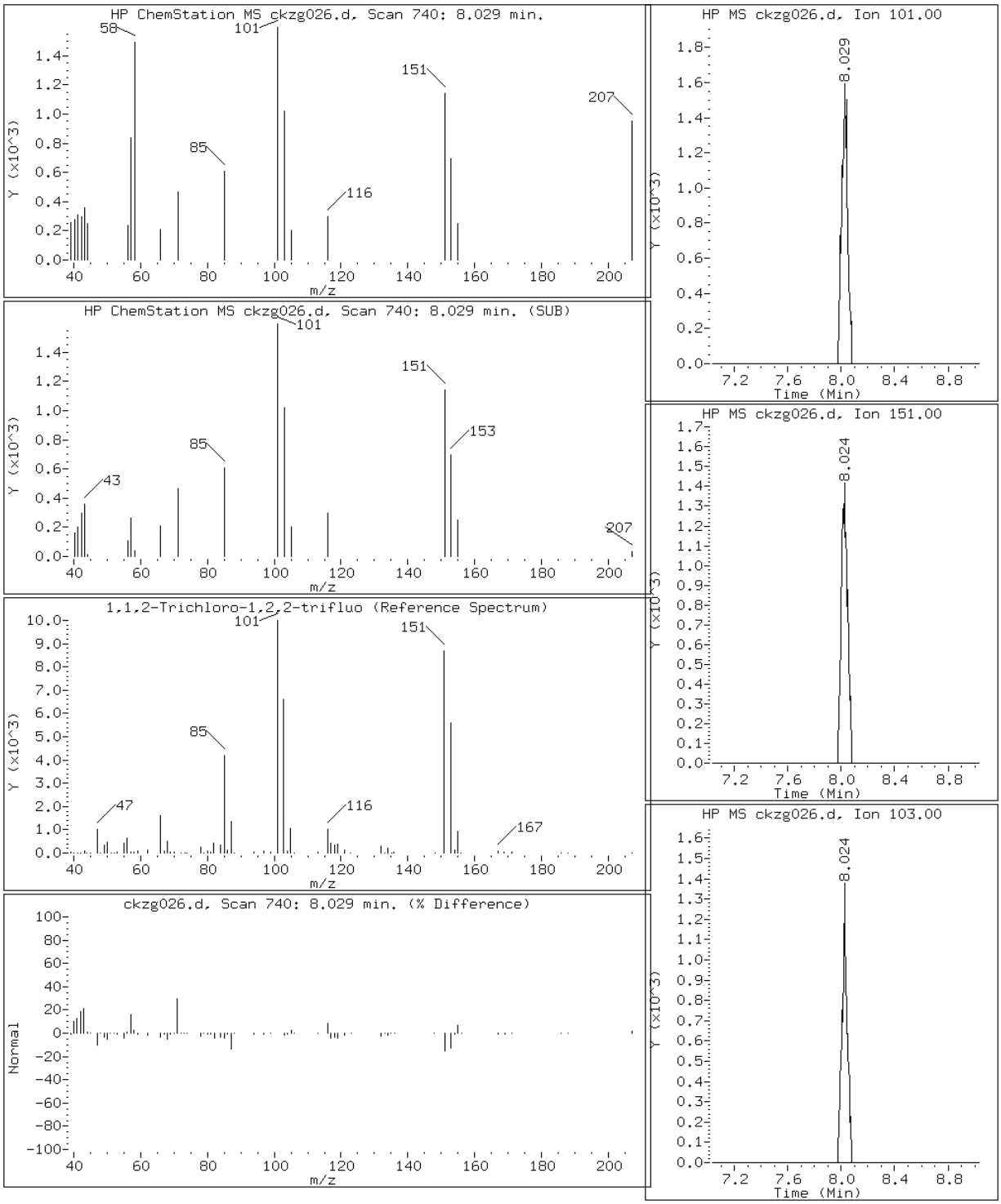
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

17 1,1,2-Trichloro-1,2,2-trifluo



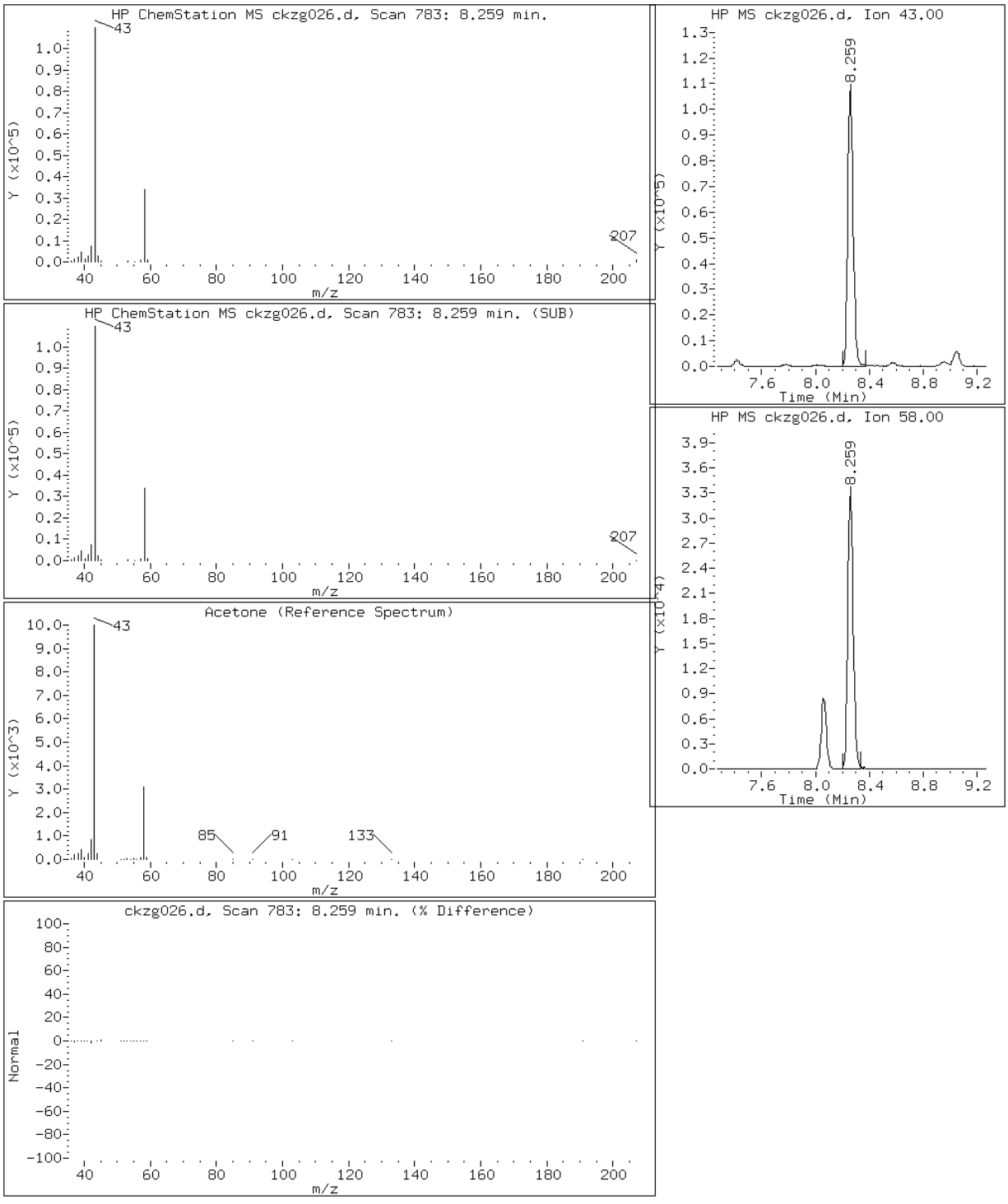
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

20 Acetone



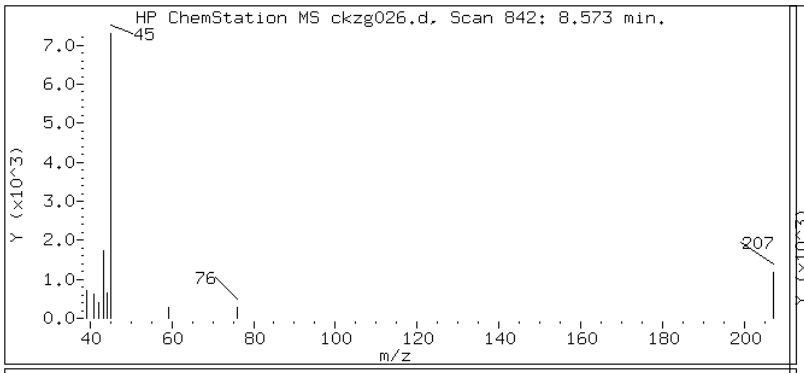
Data File: ckzg026.d

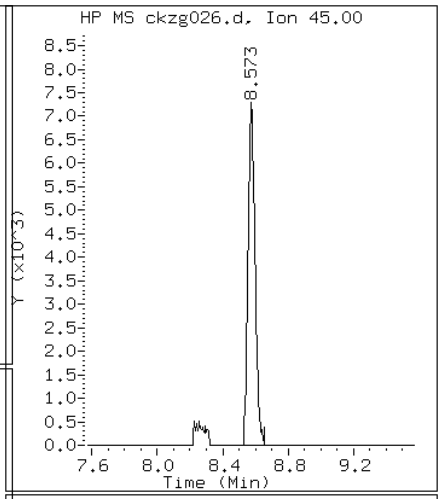
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

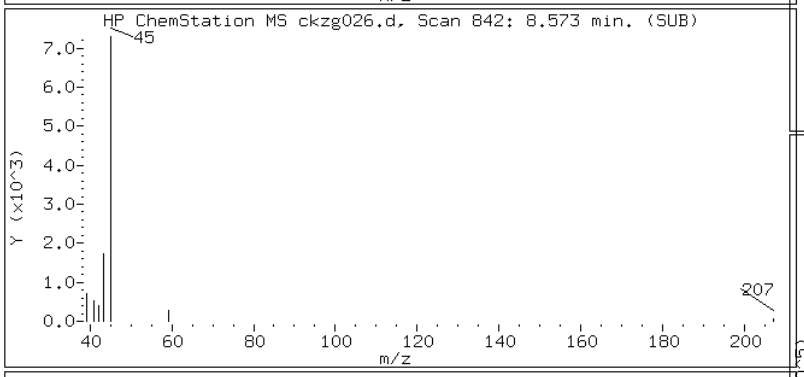
Client ID: 785VMP0501AD Instrument: C.i

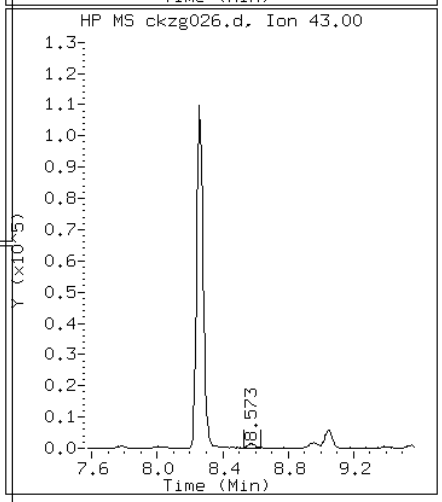
Sample Info: 280-32071-A-20 Operator: pad

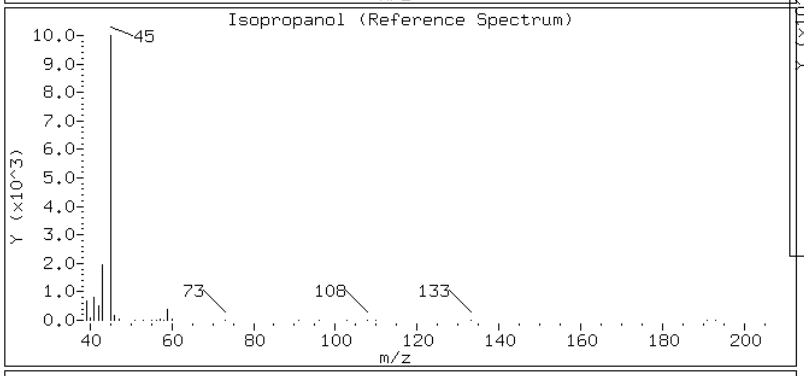
22 Isopropanol

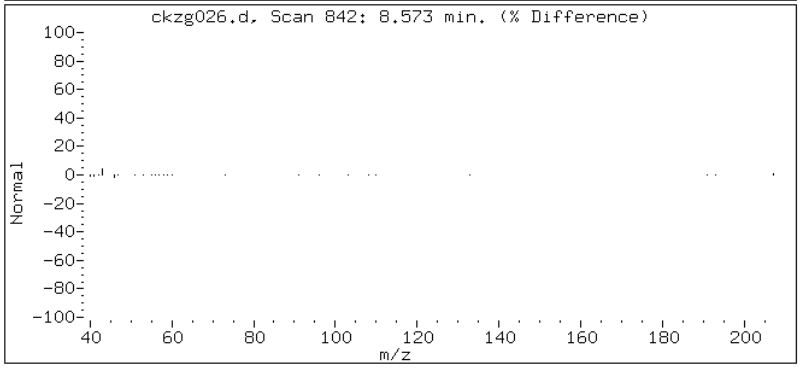












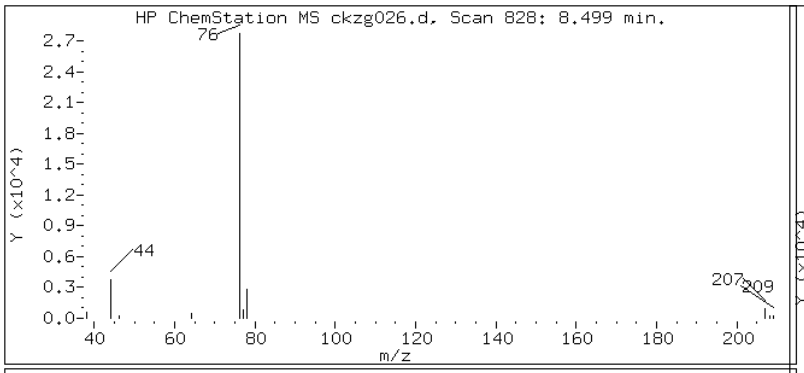
Data File: ckzg026.d

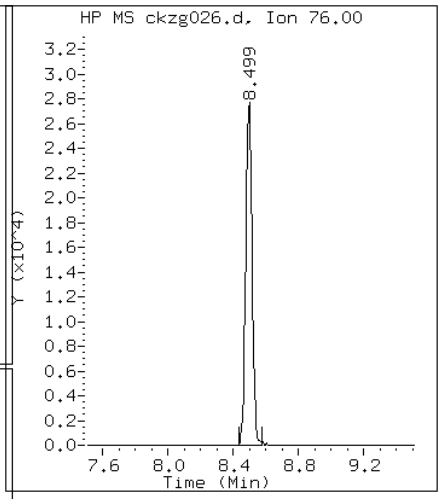
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

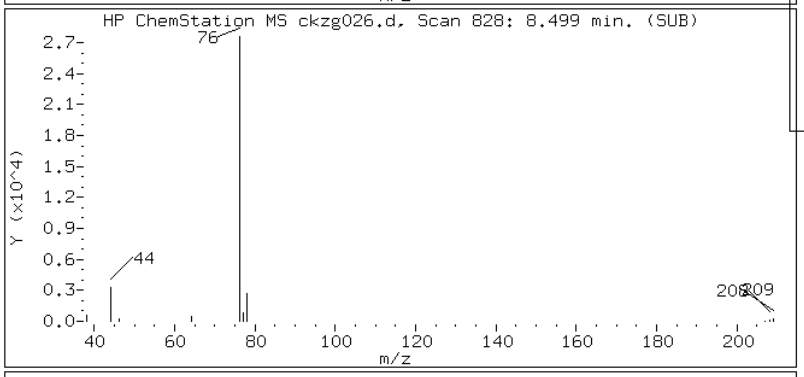
Client ID: 785VMP0501AD Instrument: C.i

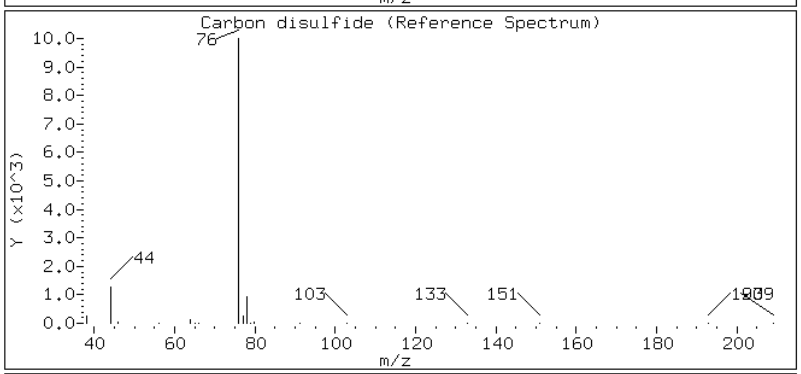
Sample Info: 280-32071-A-20 Operator: pad

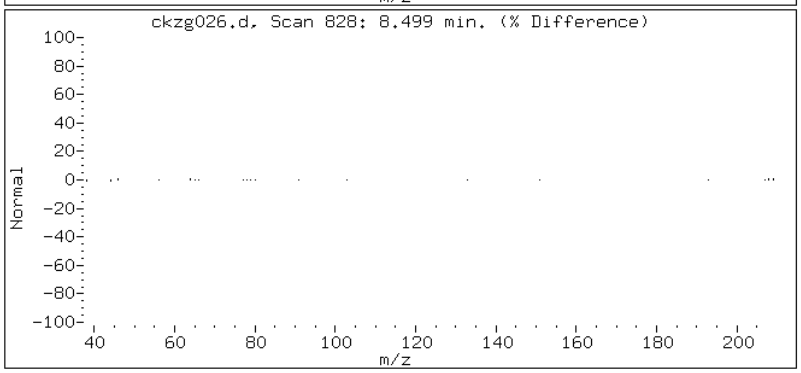
21 Carbon disulfide











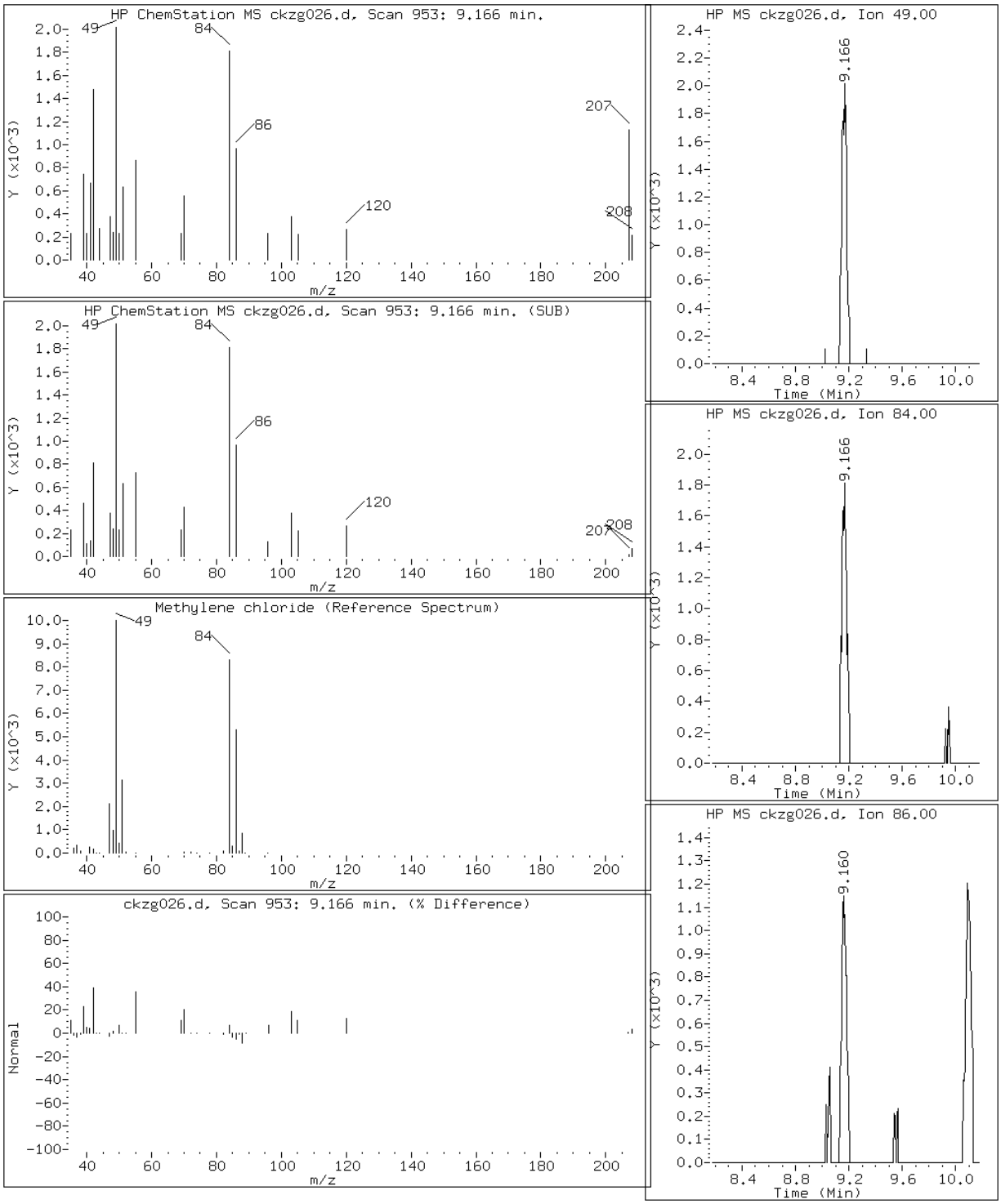
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

25 Methylene chloride



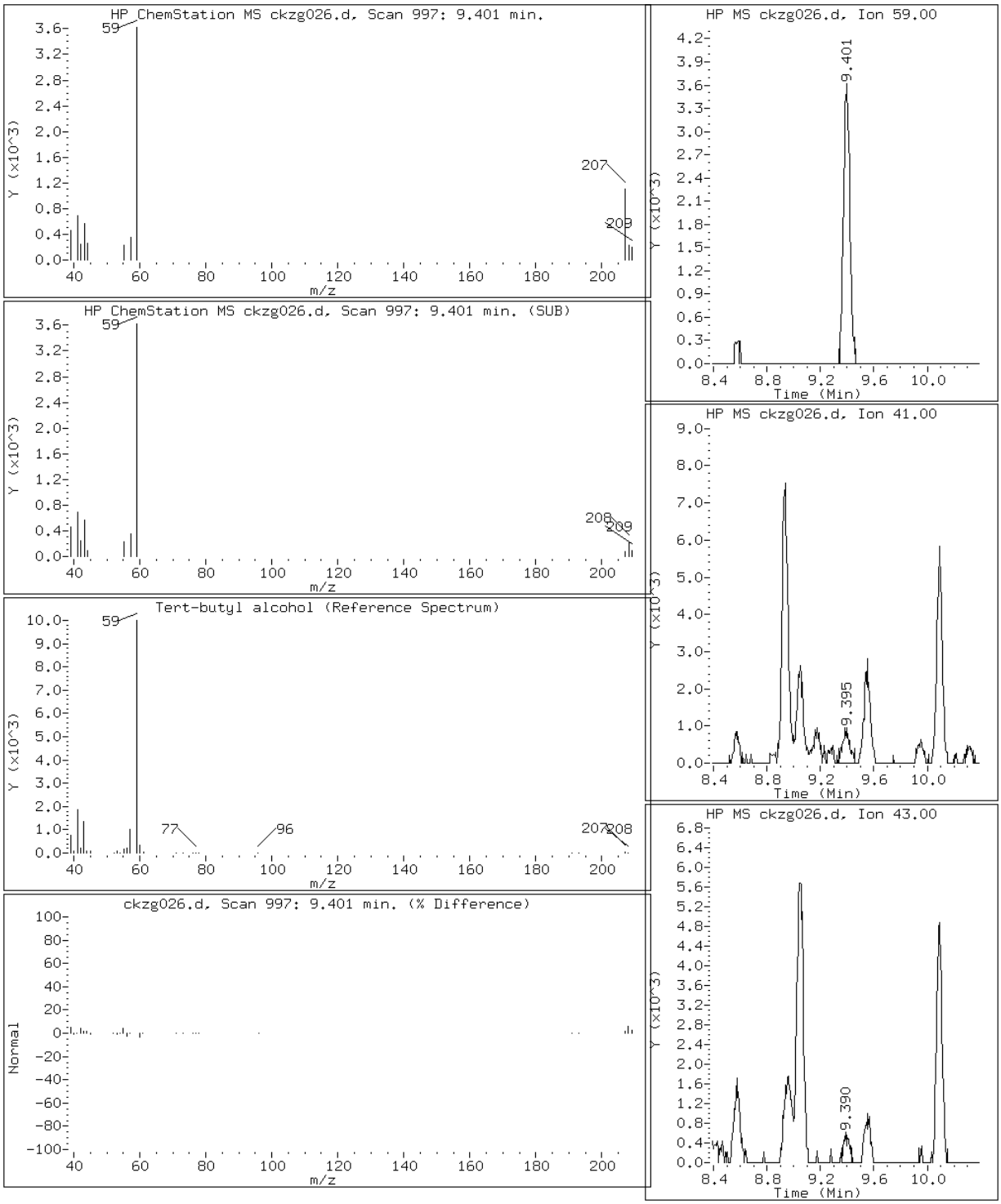
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

26 Tert-butyl alcohol



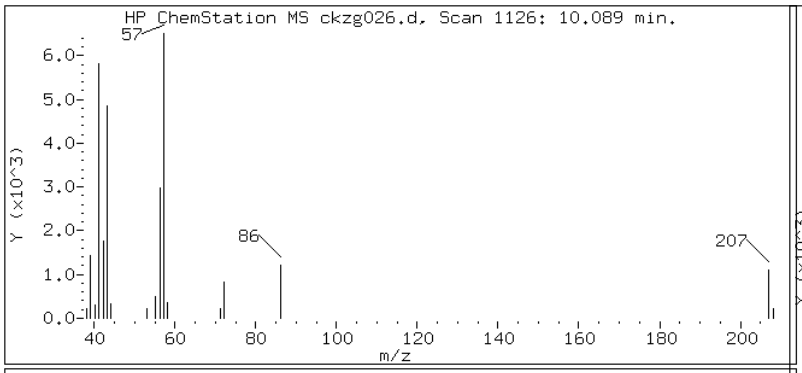
Data File: ckzg026.d

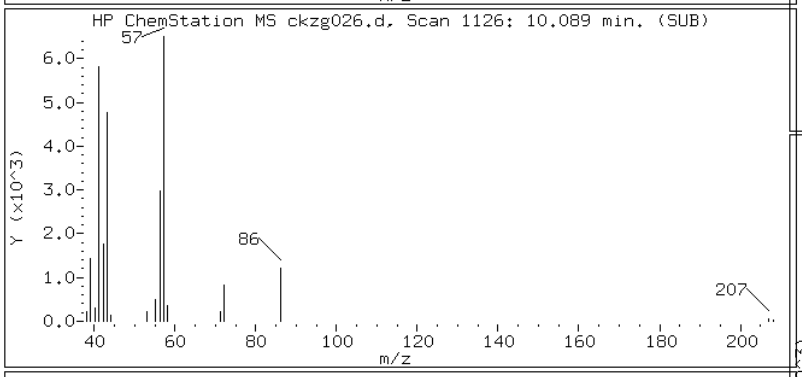
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

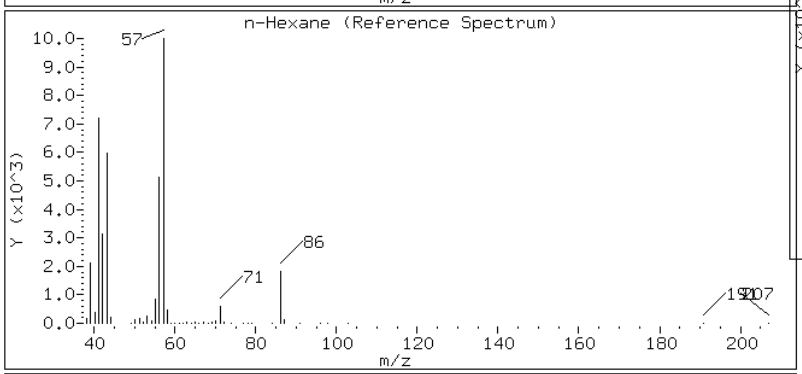
Client ID: 785VMP0501AD Instrument: C.i

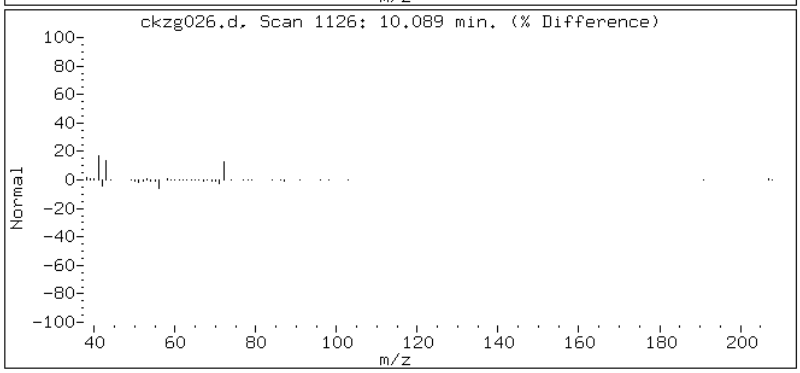
Sample Info: 280-32071-A-20 Operator: pad

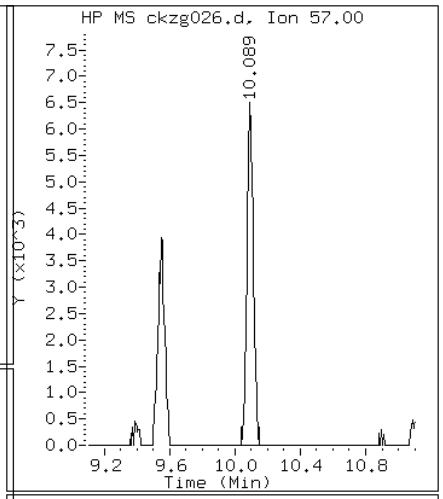
30 n-Hexane

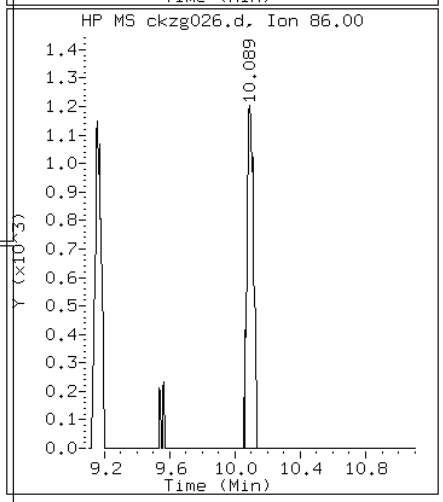












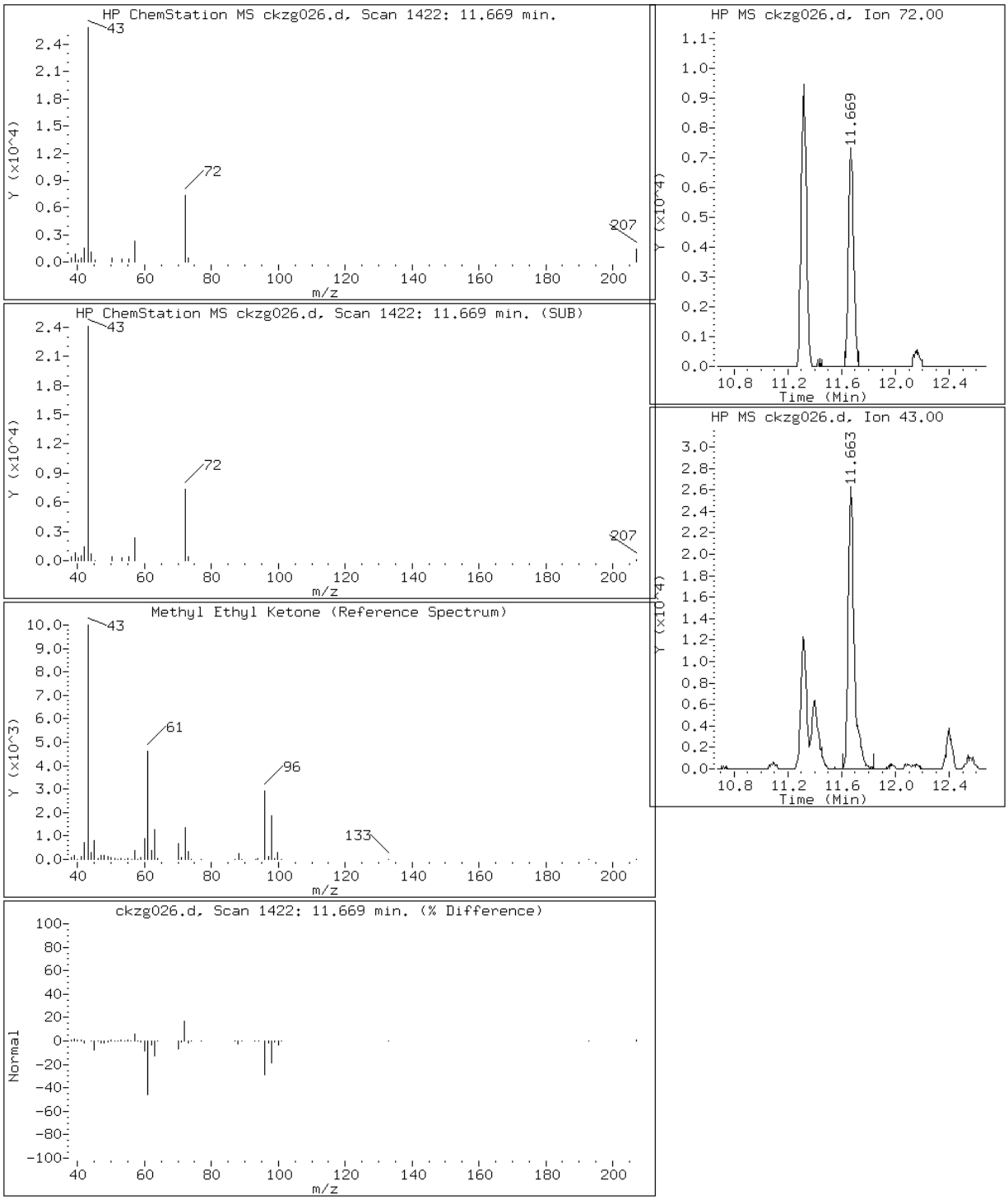
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

36 Methyl Ethyl Ketone



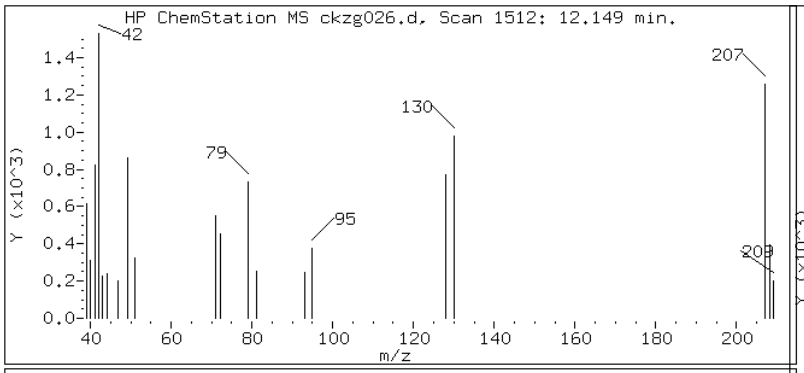
Data File: ckzg026.d

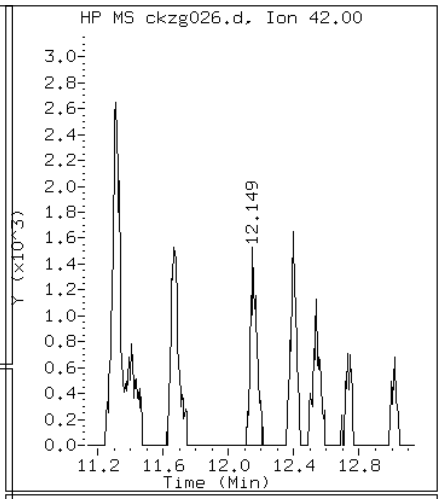
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

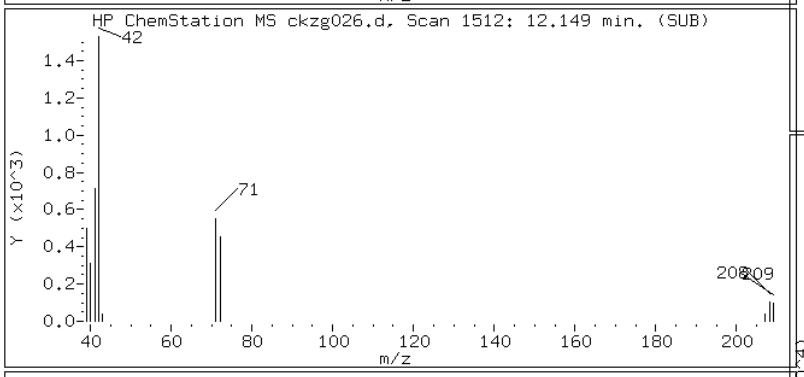
Client ID: 785VMP0501AD Instrument: C.i

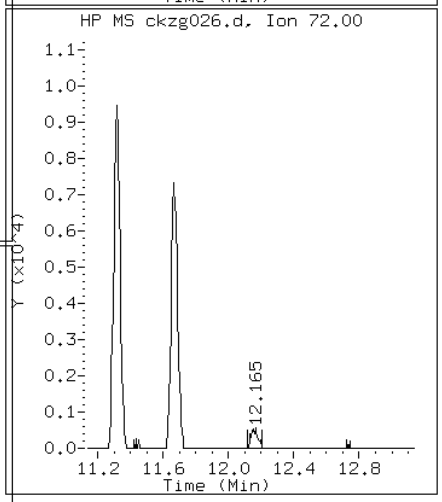
Sample Info: 280-32071-A-20 Operator: pad

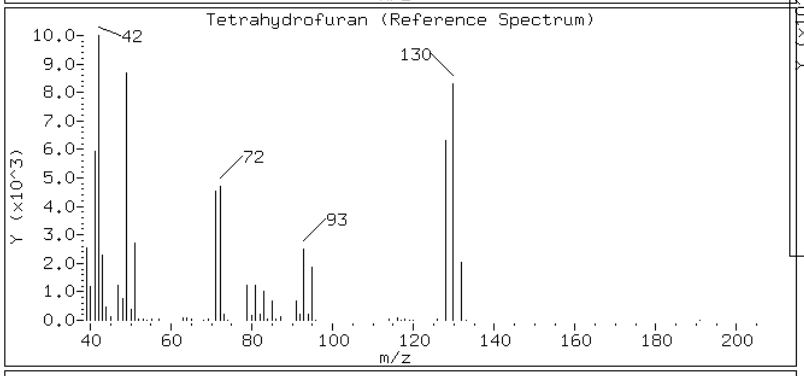
38 Tetrahydrofuran

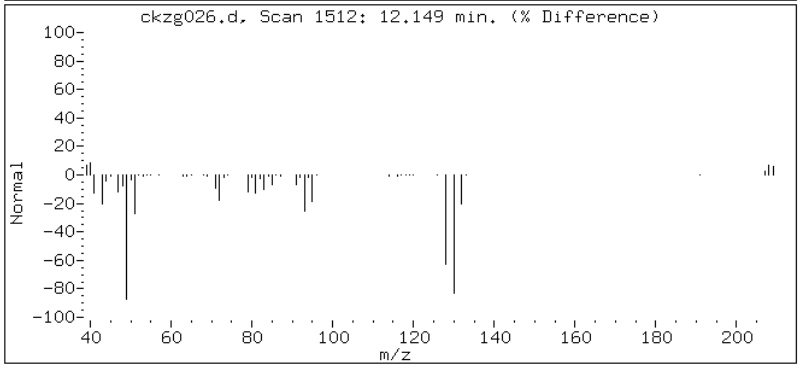












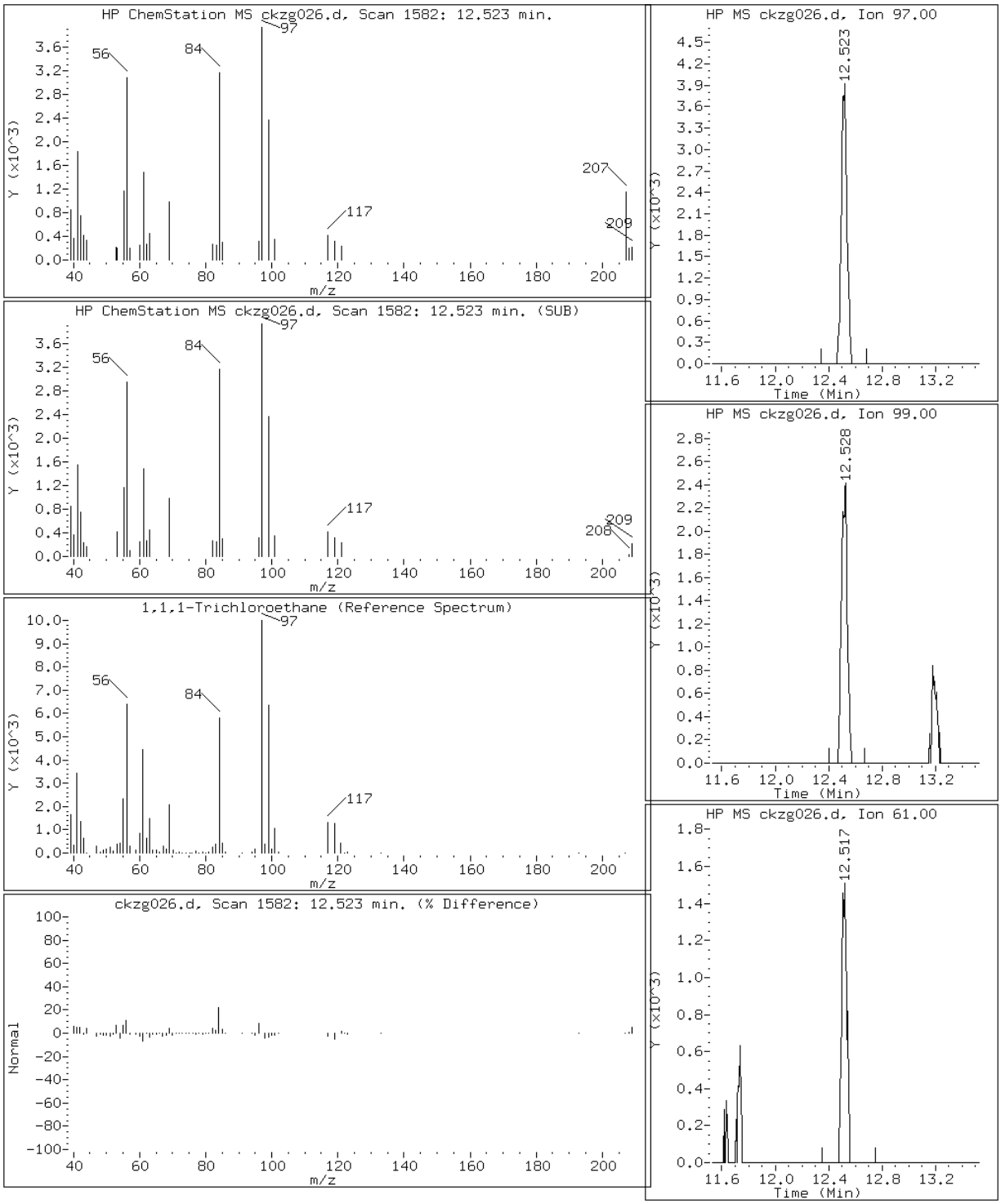
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

41 1,1,1-Trichloroethane



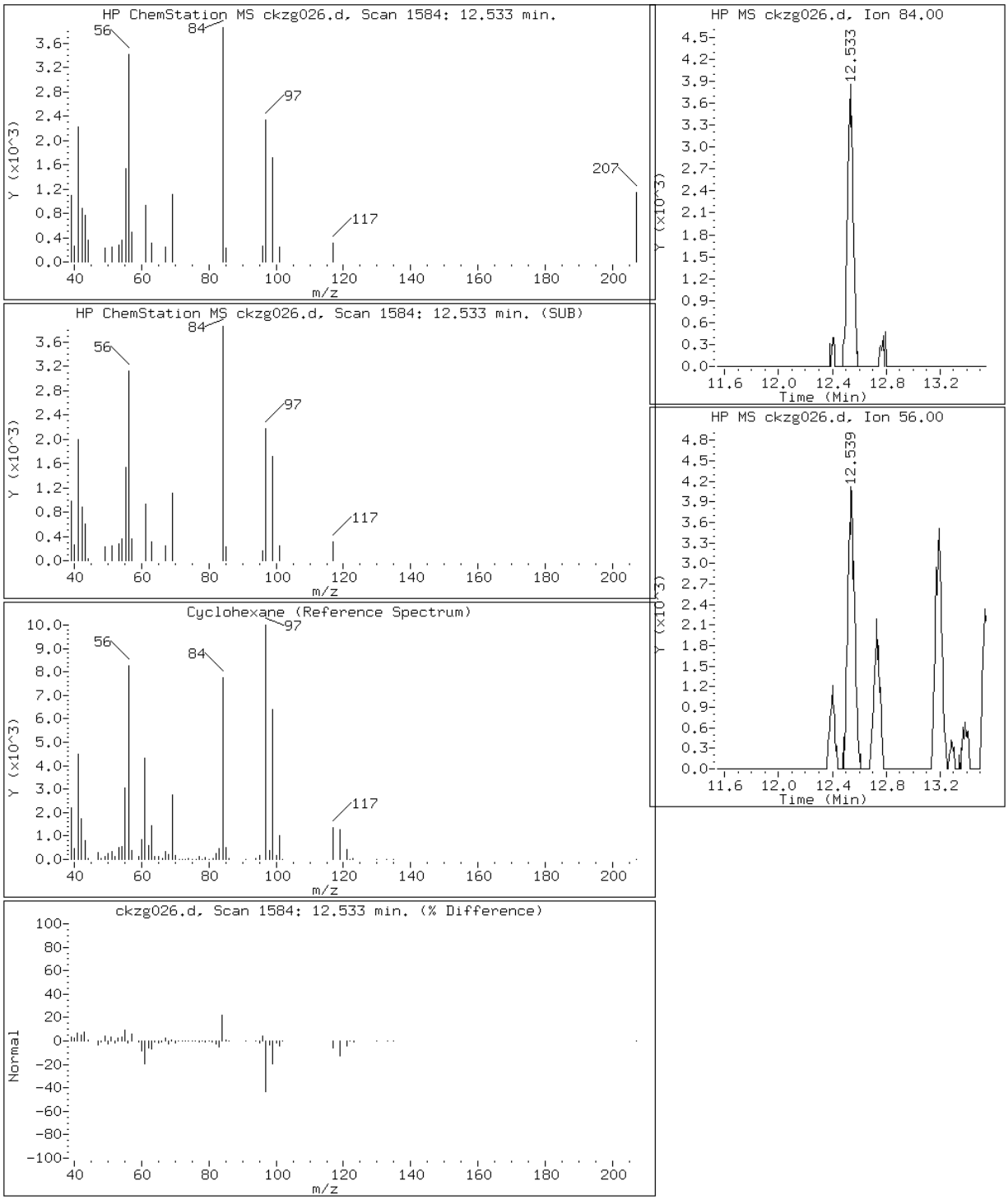
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

40 Cyclohexane



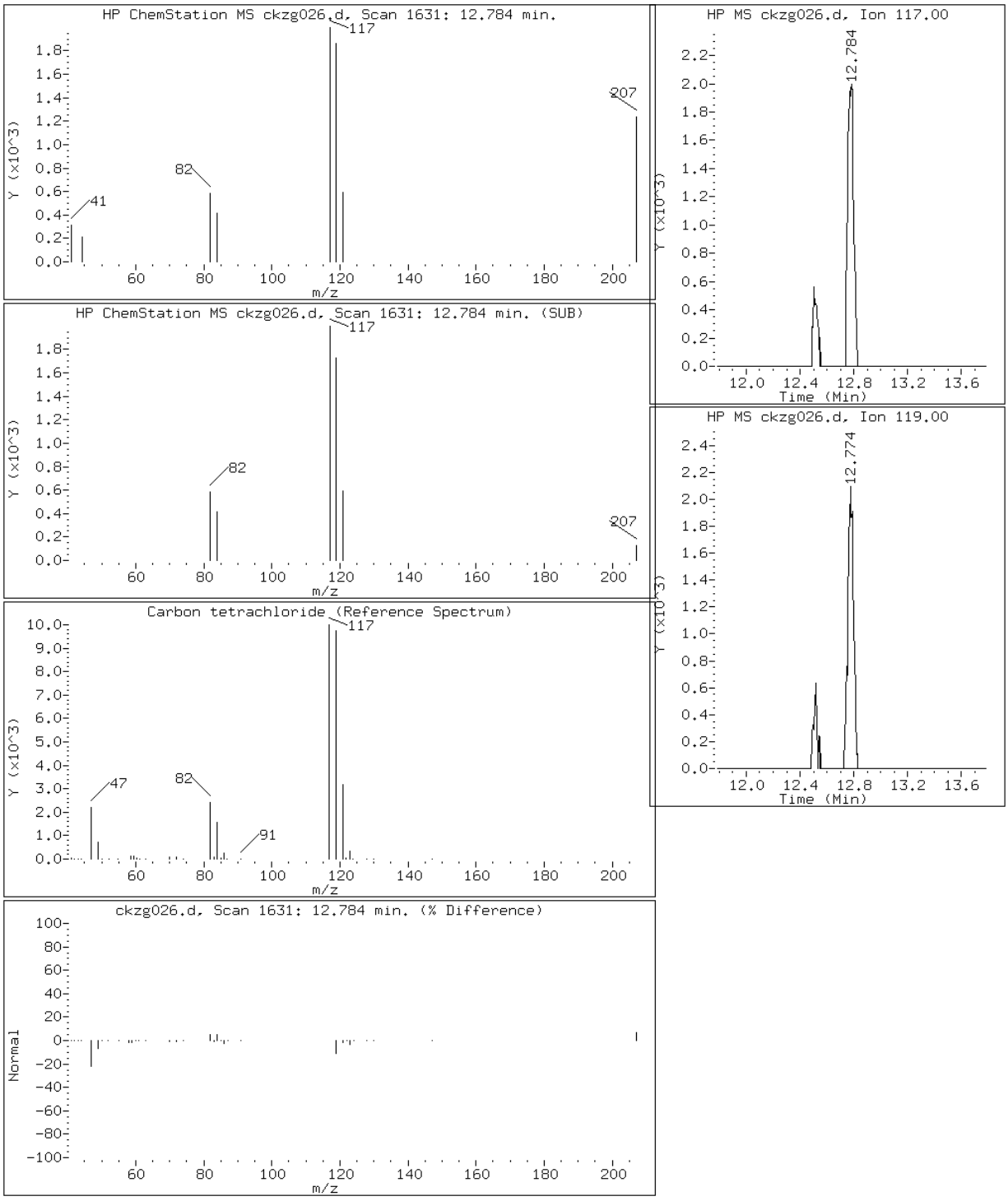
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

42 Carbon tetrachloride



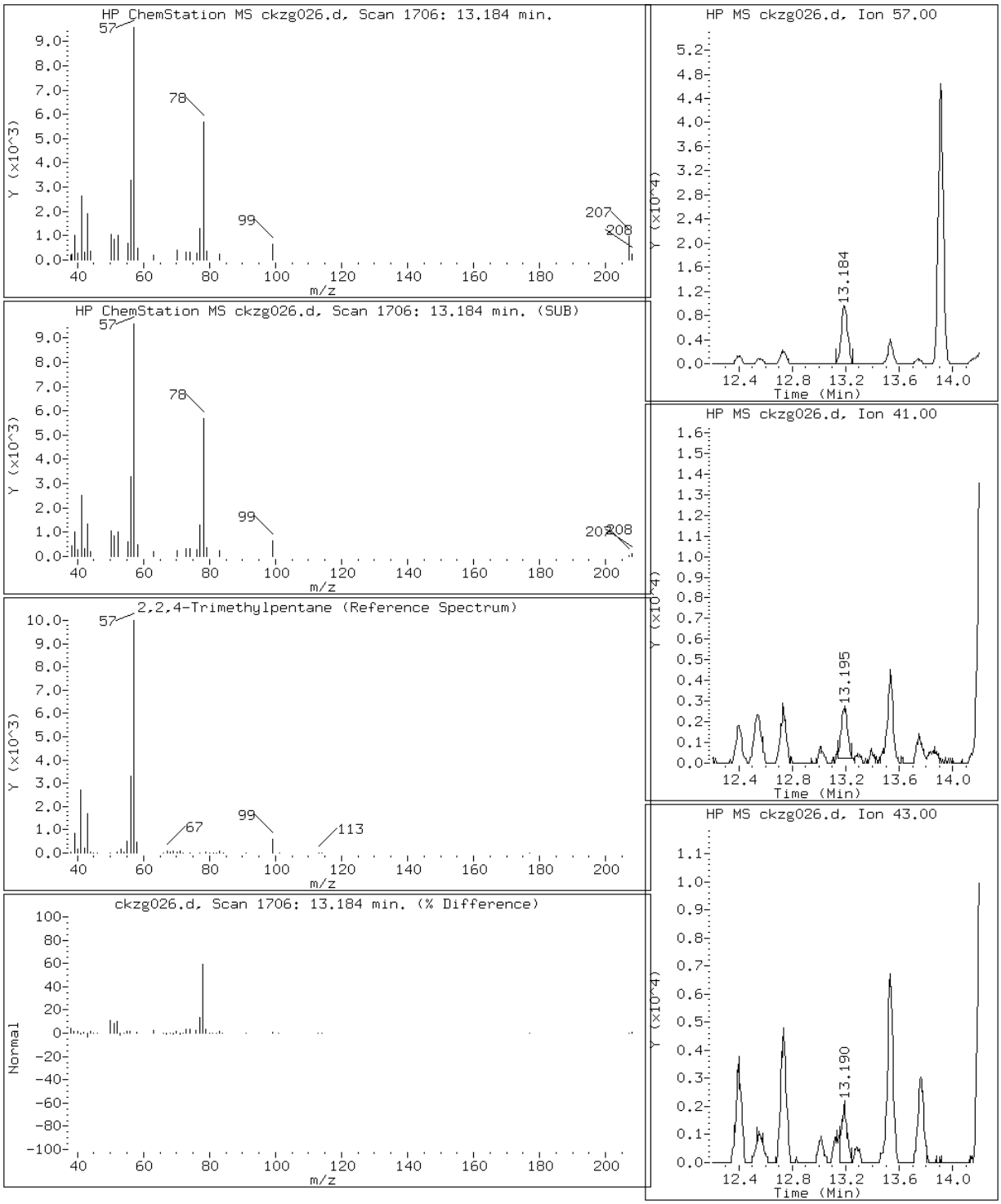
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

43 2,2,4-Trimethylpentane



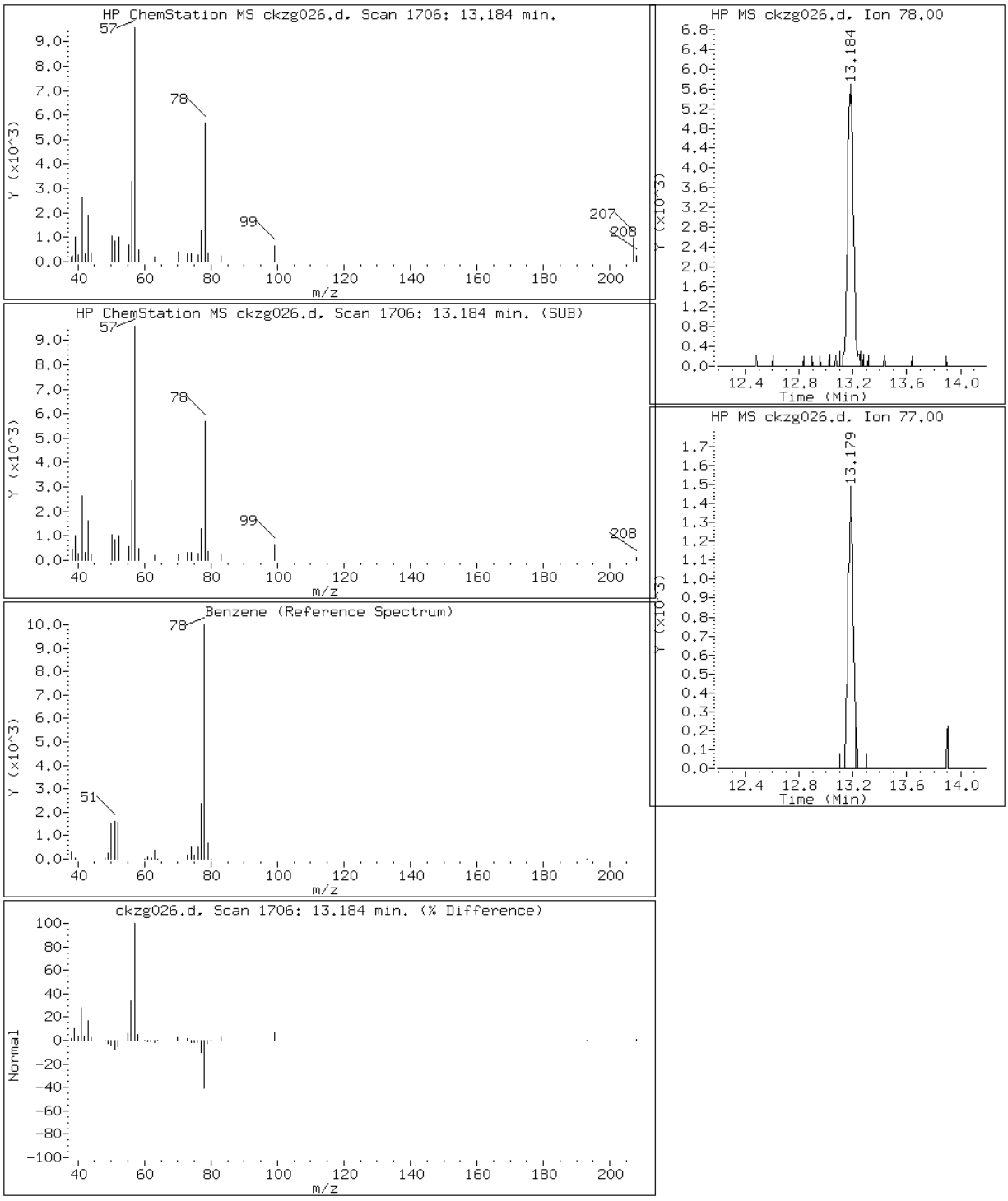
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

44 Benzene



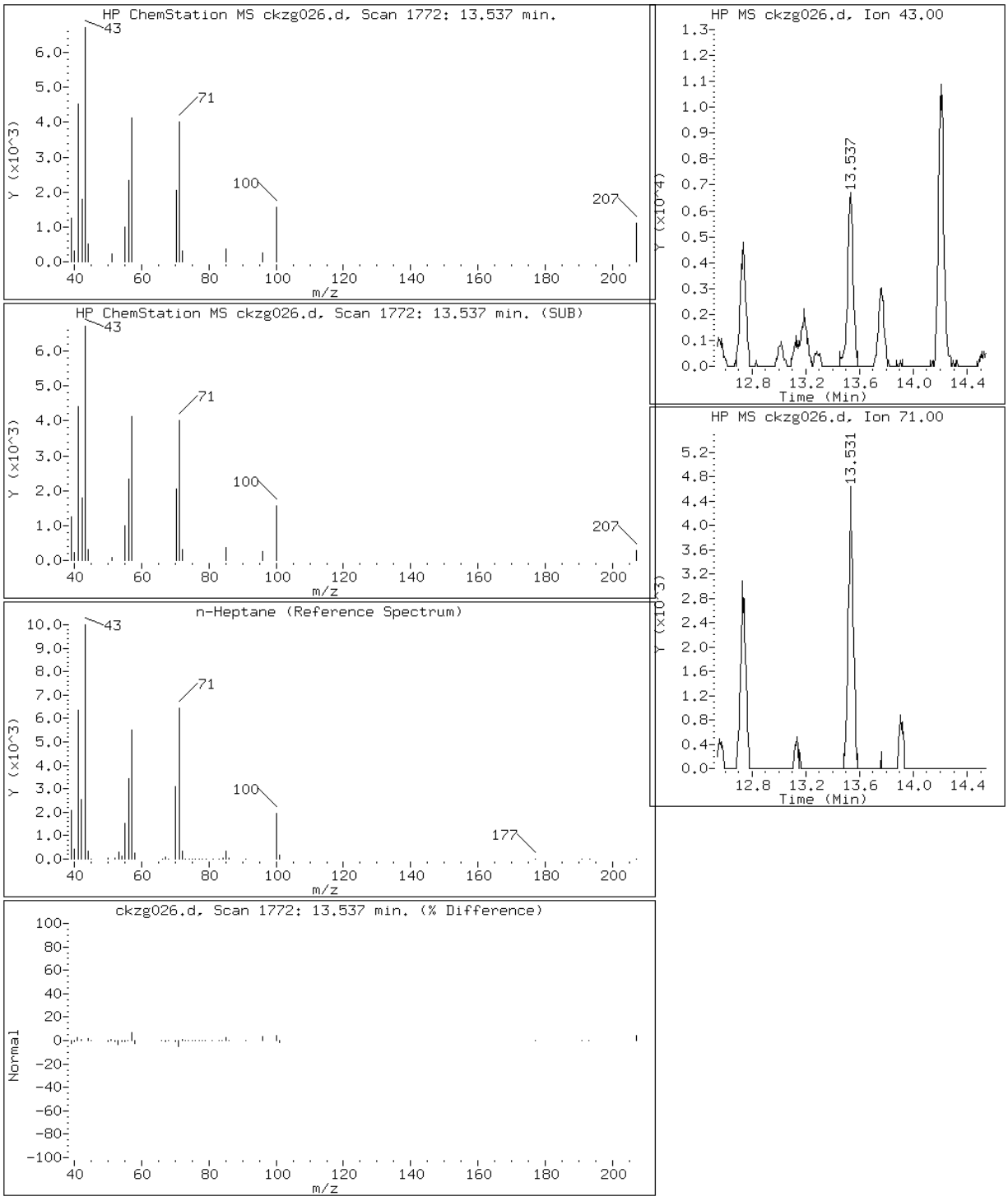
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

46 n-Heptane



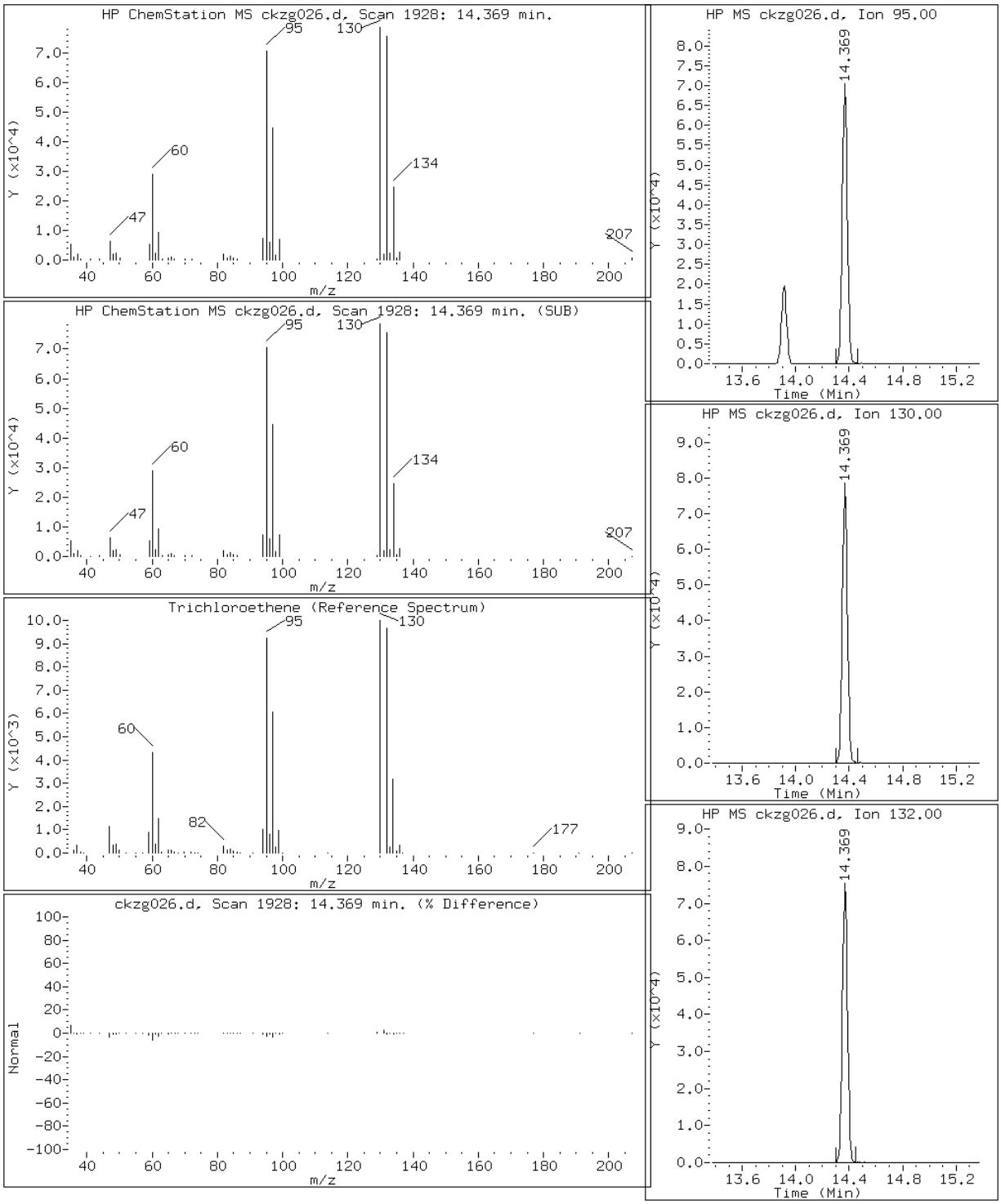
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

49 Trichloroethene



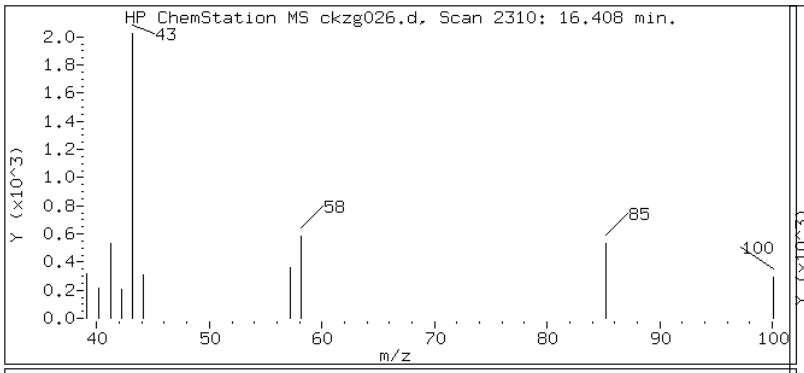
Data File: ckzg026.d

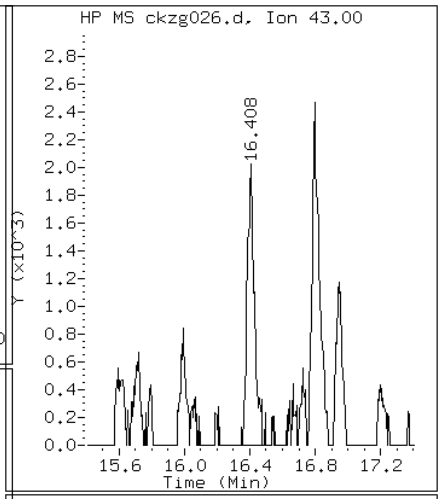
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

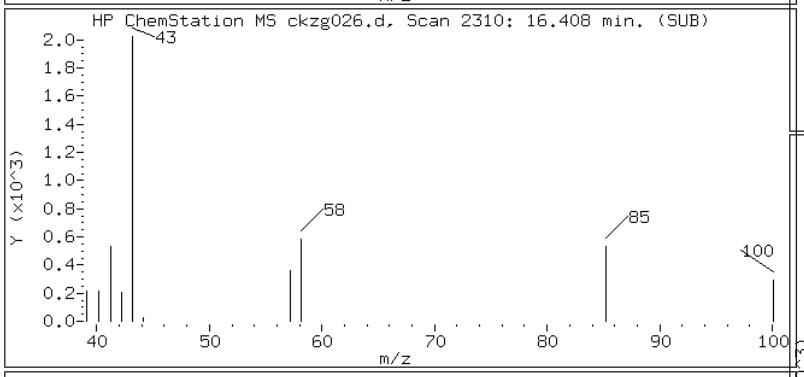
Client ID: 785VMP0501AD Instrument: C.i

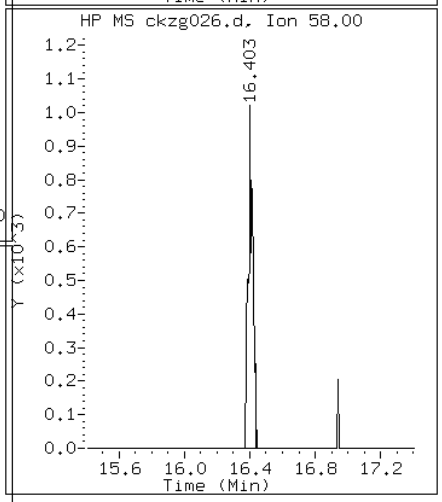
Sample Info: 280-32071-A-20 Operator: pad

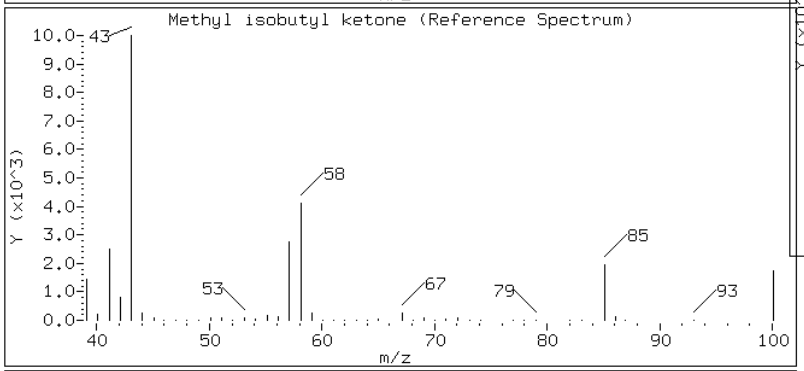
56 Methyl isobutyl ketone

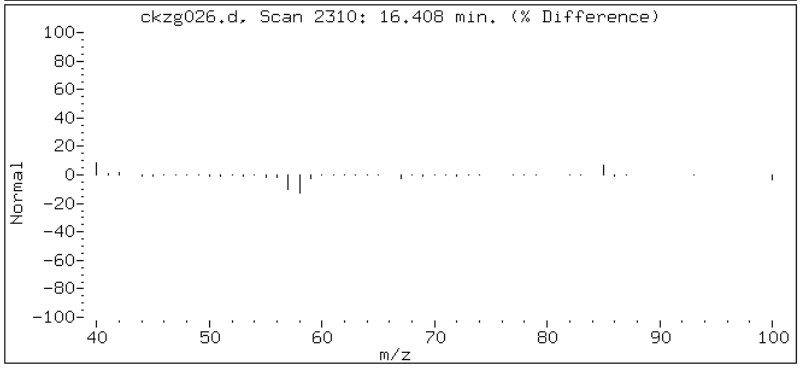












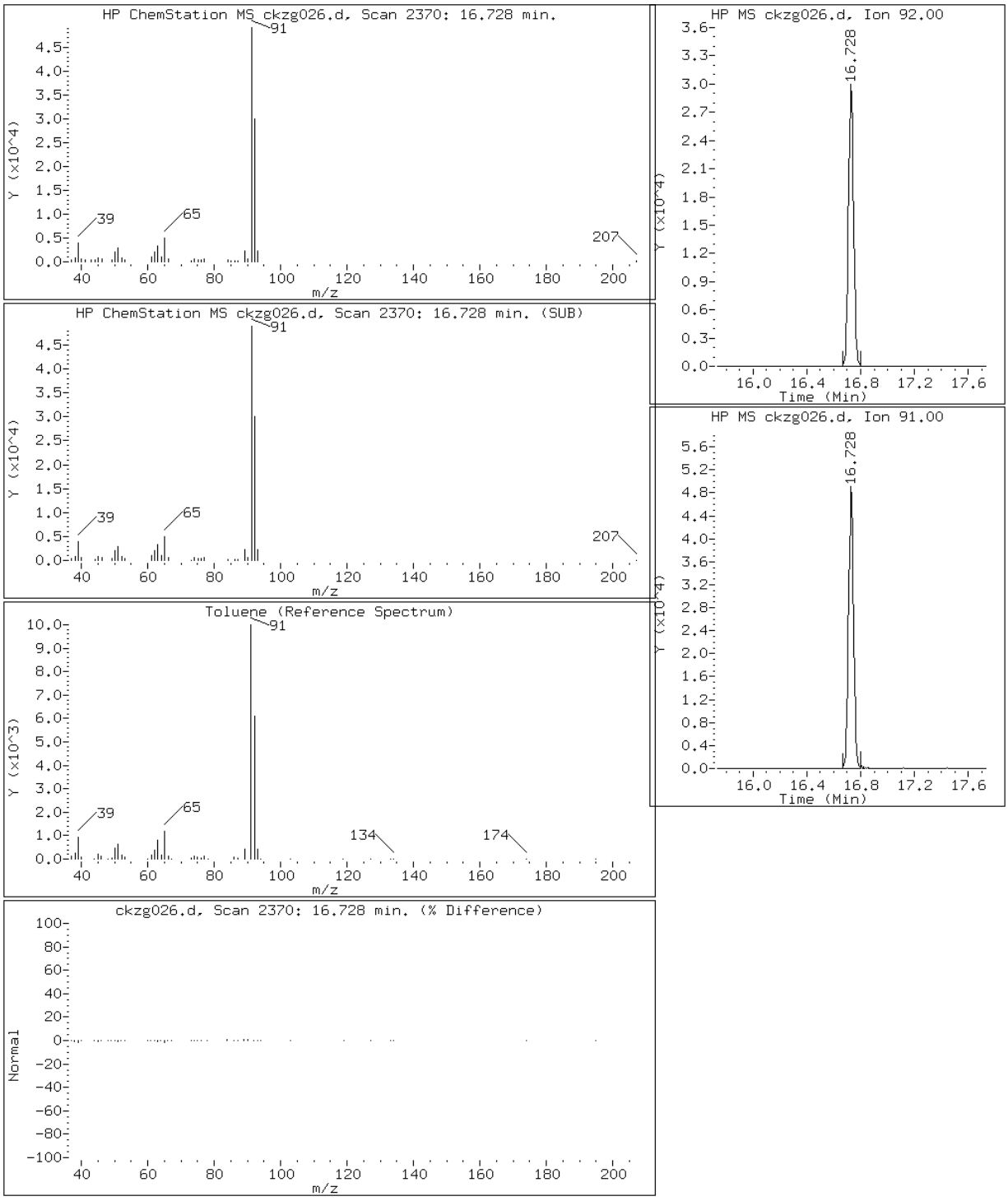
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

58 Toluene



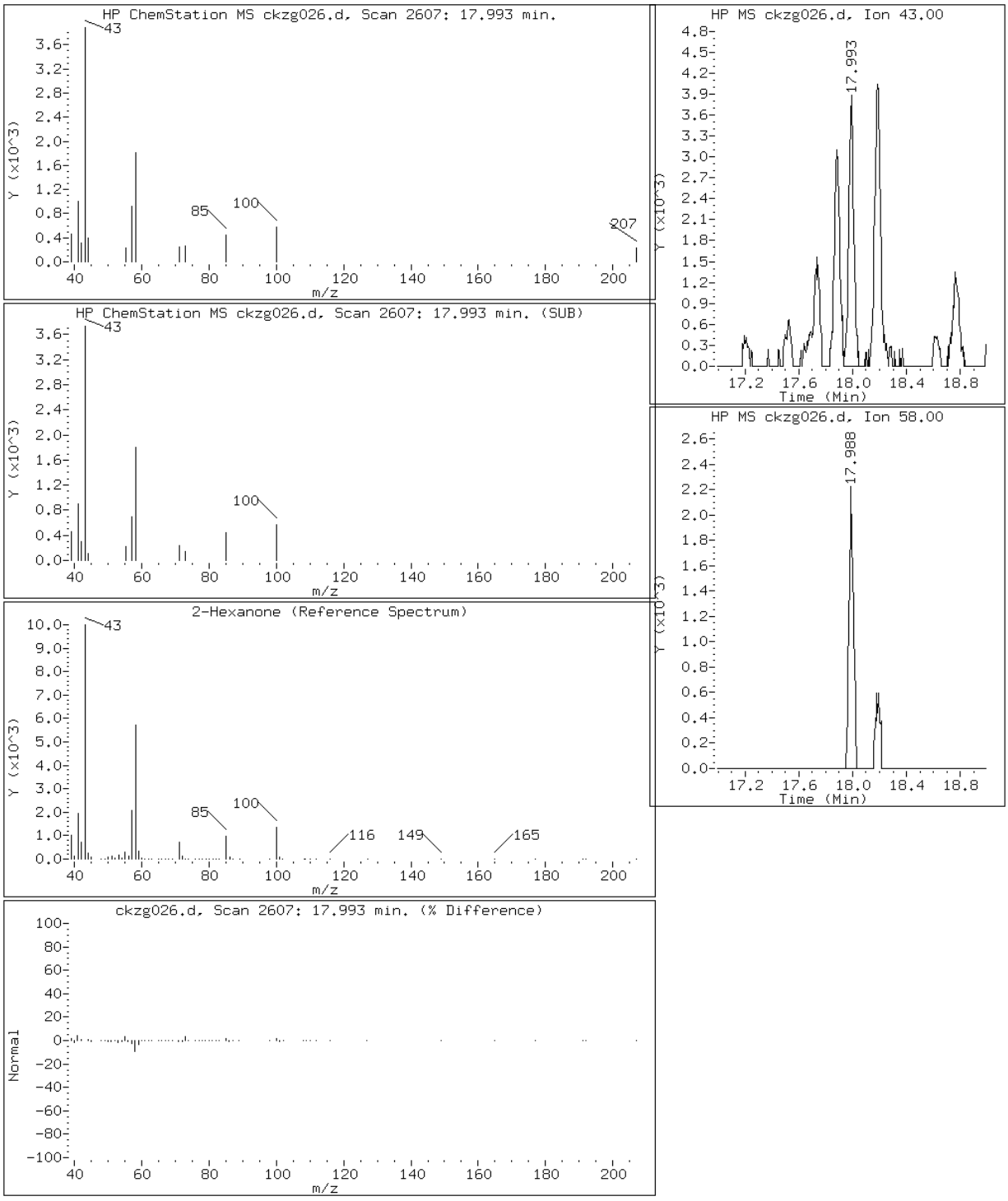
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

62 2-Hexanone



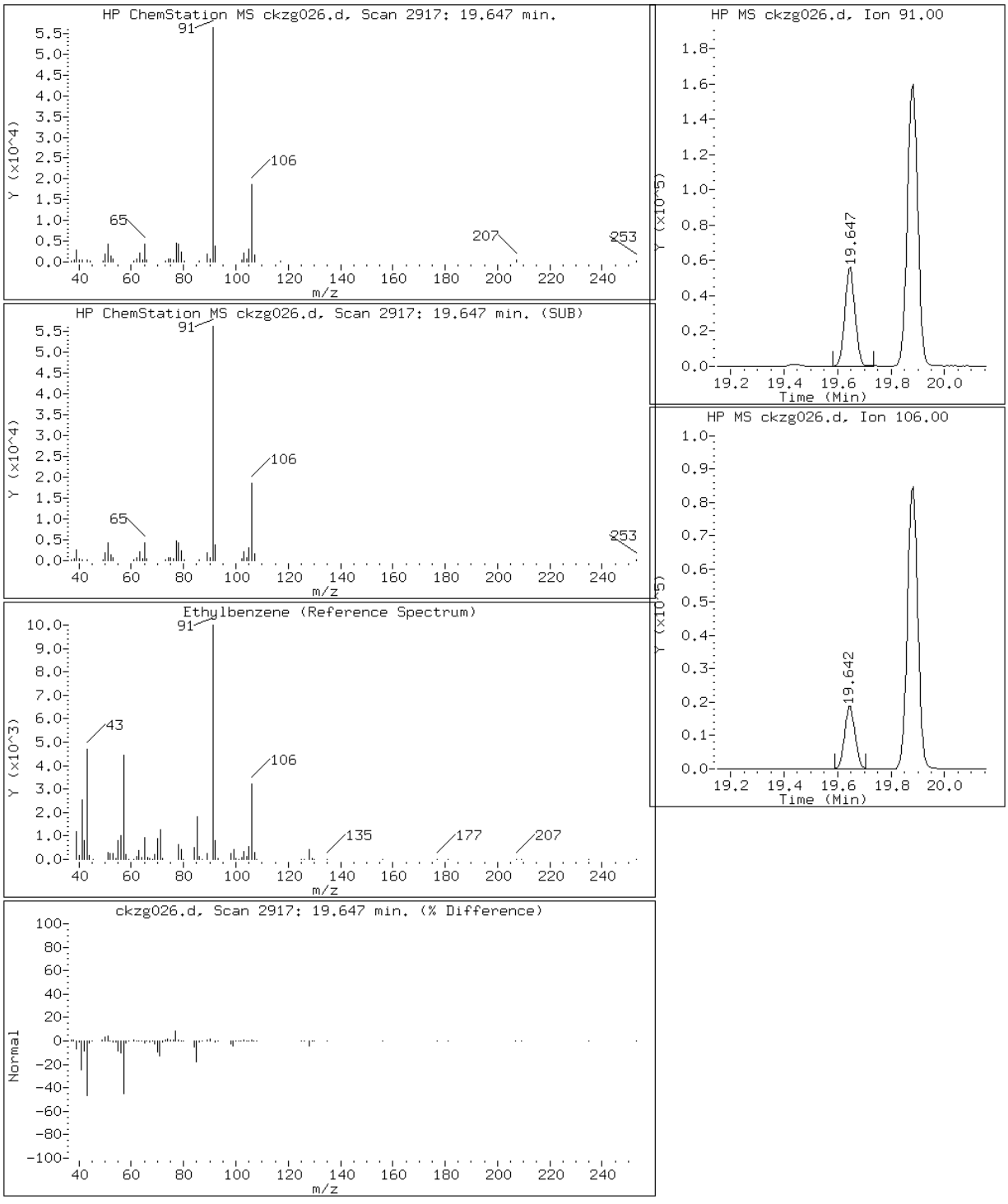
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

68 Ethylbenzene



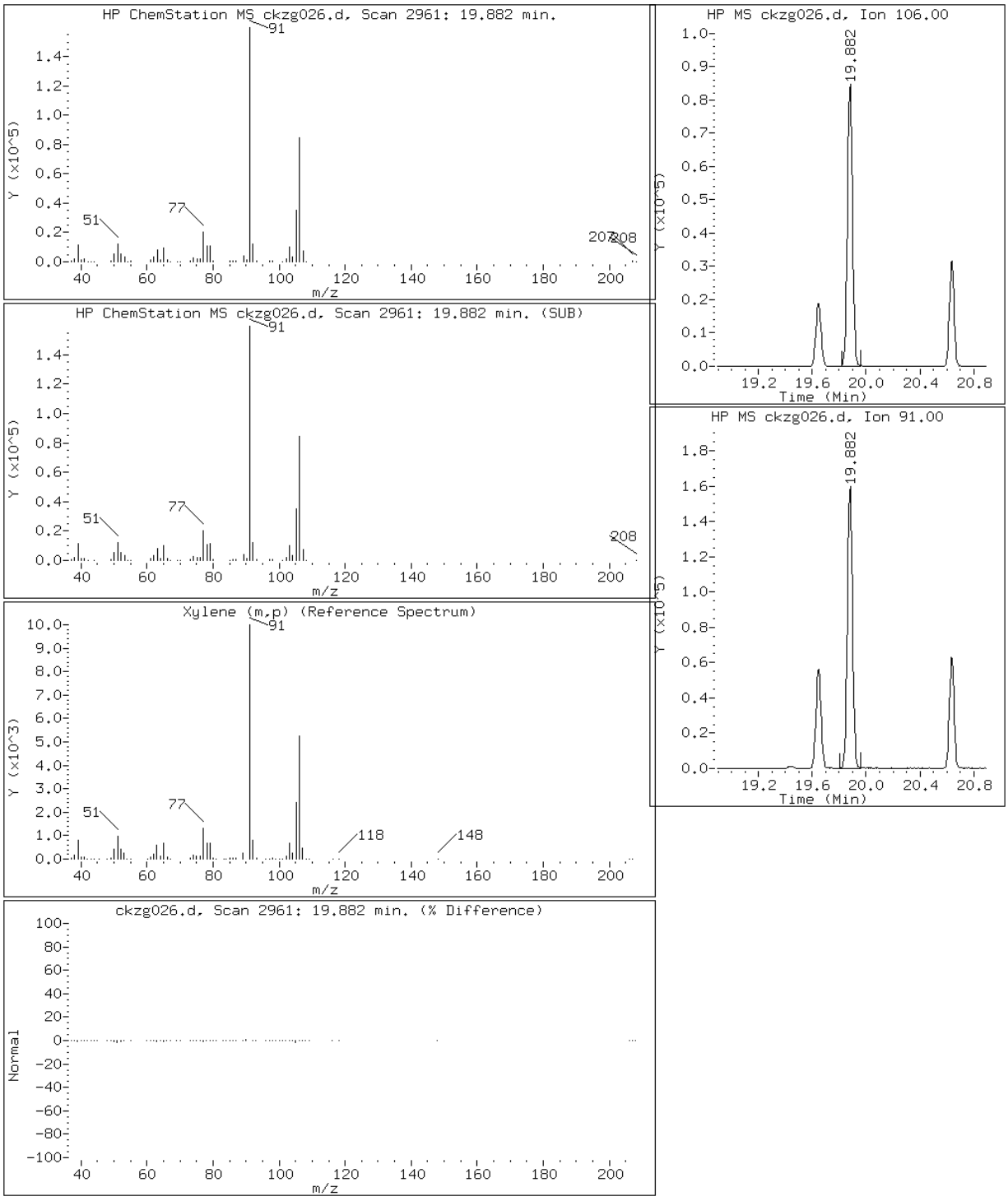
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

69 Xylene (m,p)



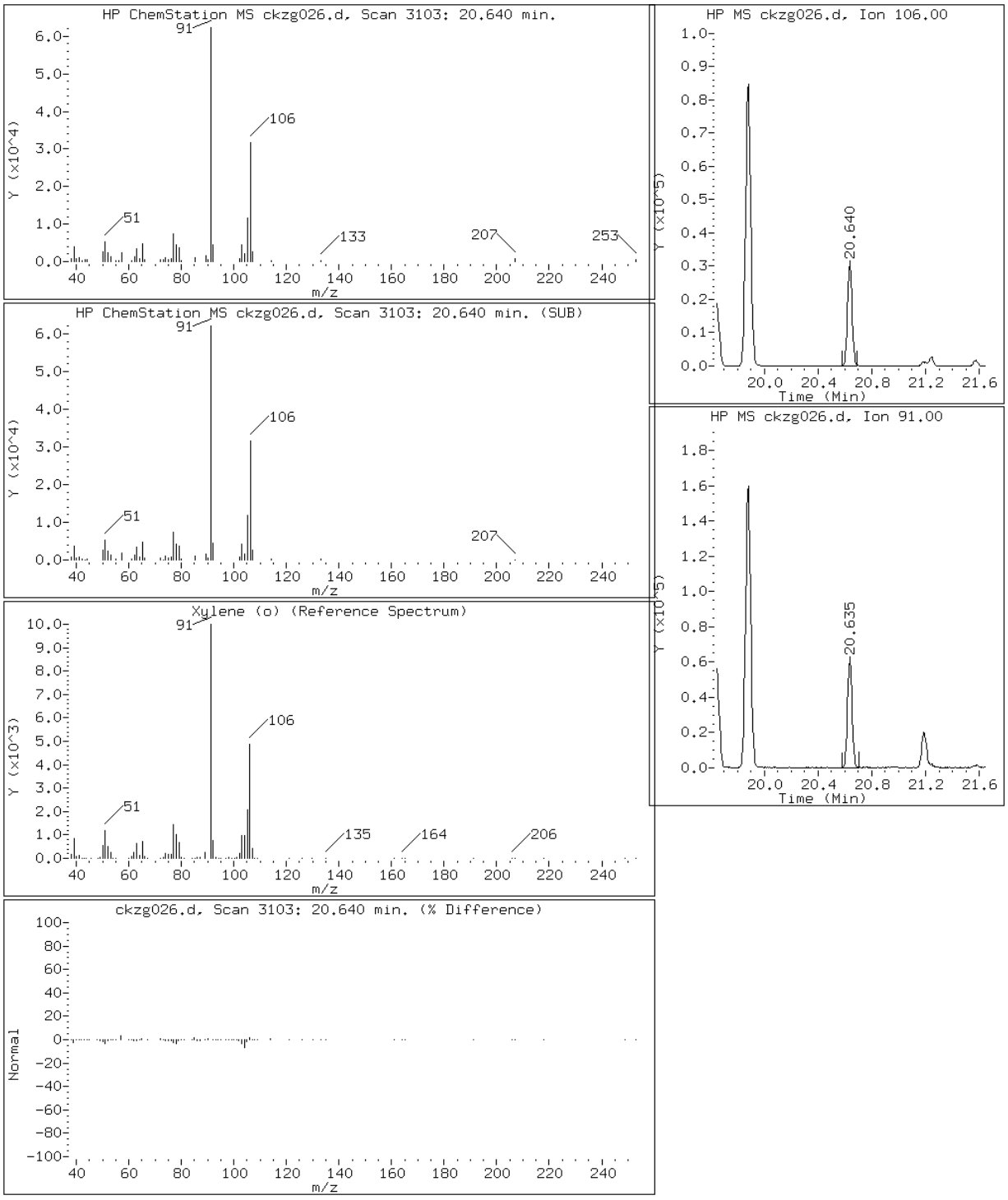
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

71 Xylene (o)



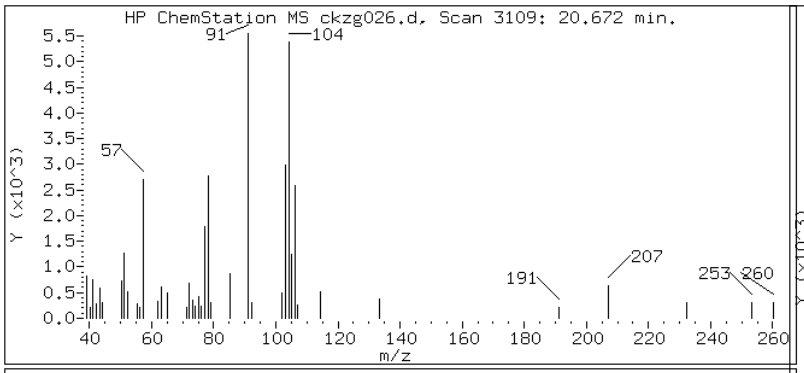
Data File: ckzg026.d

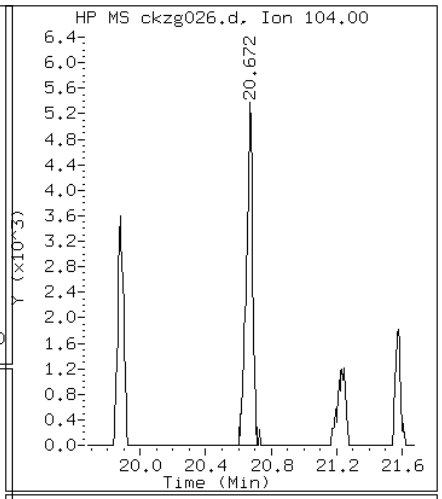
Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

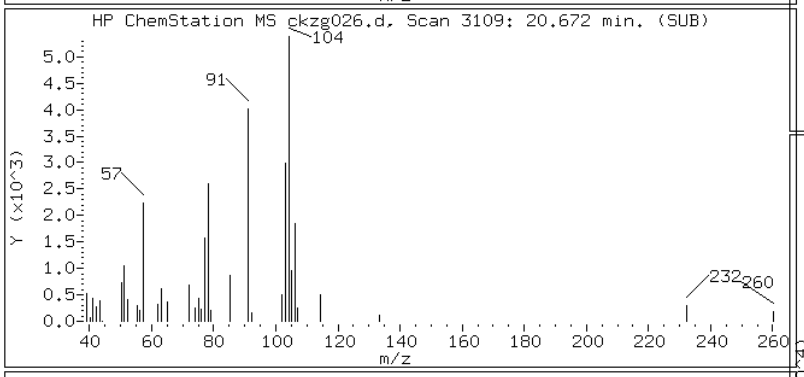
Client ID: 785VMP0501AD Instrument: C.i

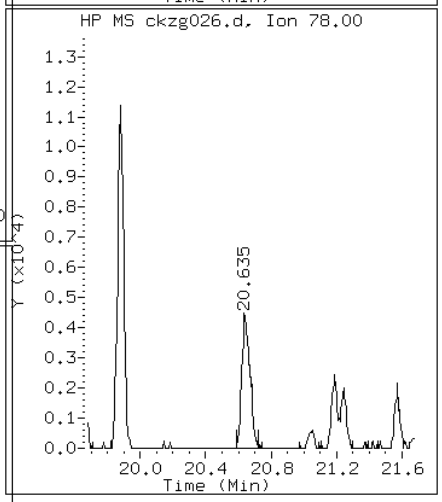
Sample Info: 280-32071-A-20 Operator: pad

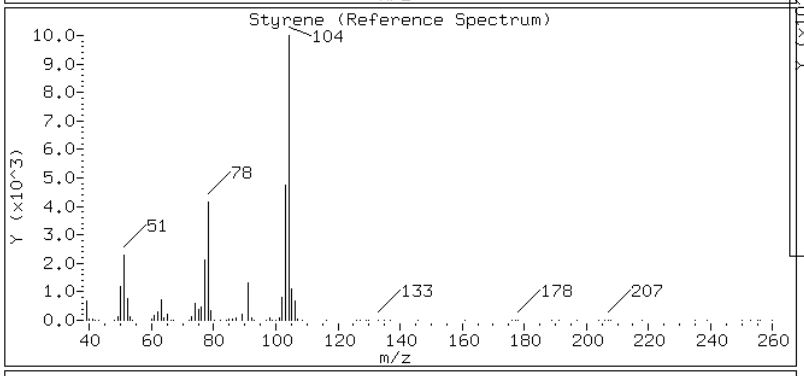
72 Styrene

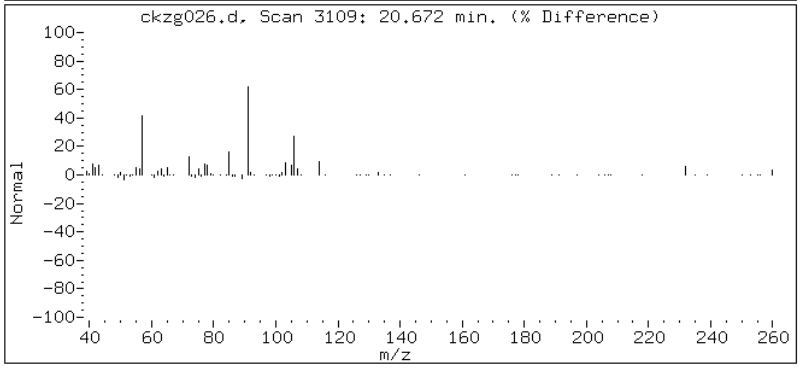












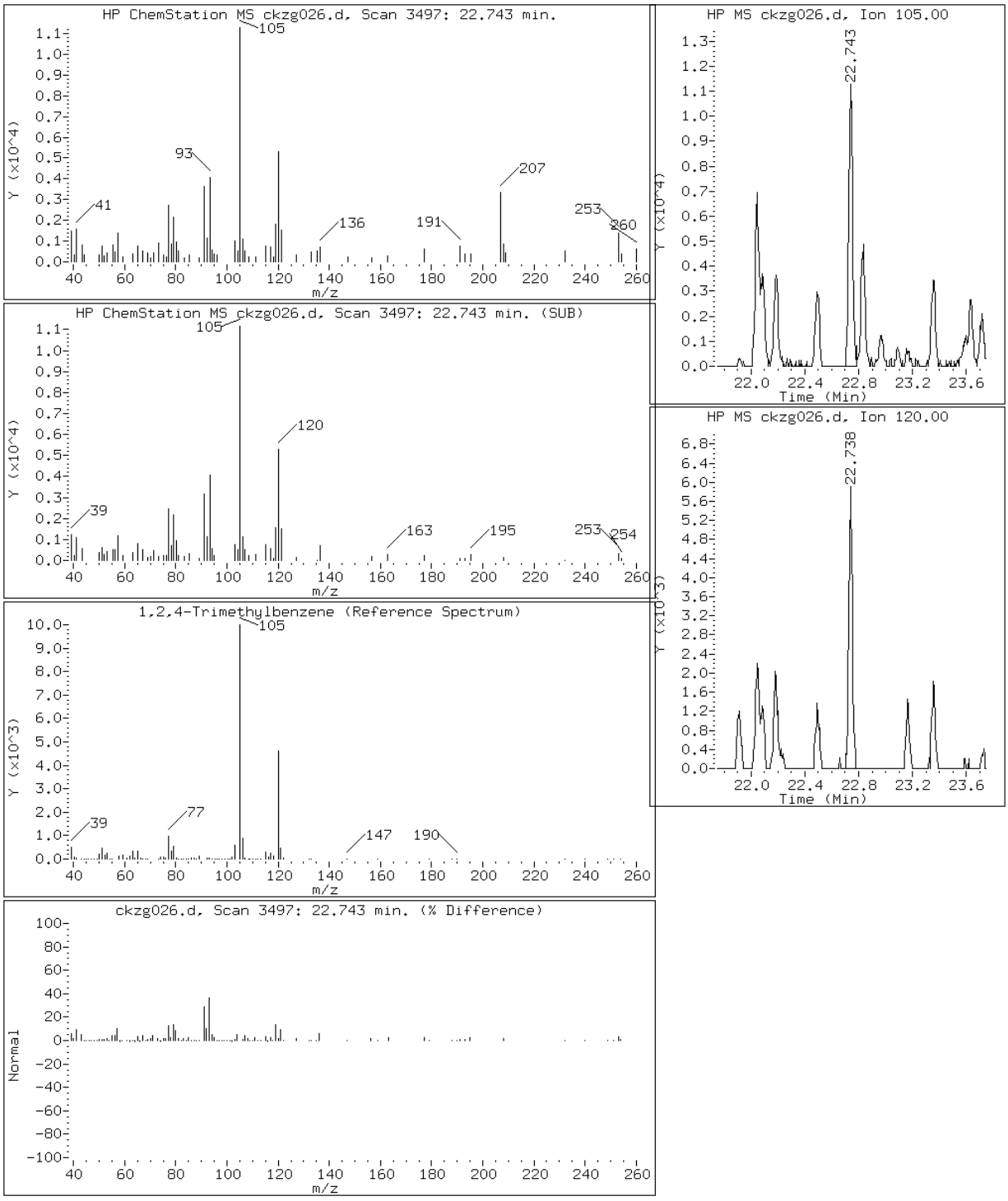
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

84 1,2,4-Trimethylbenzene



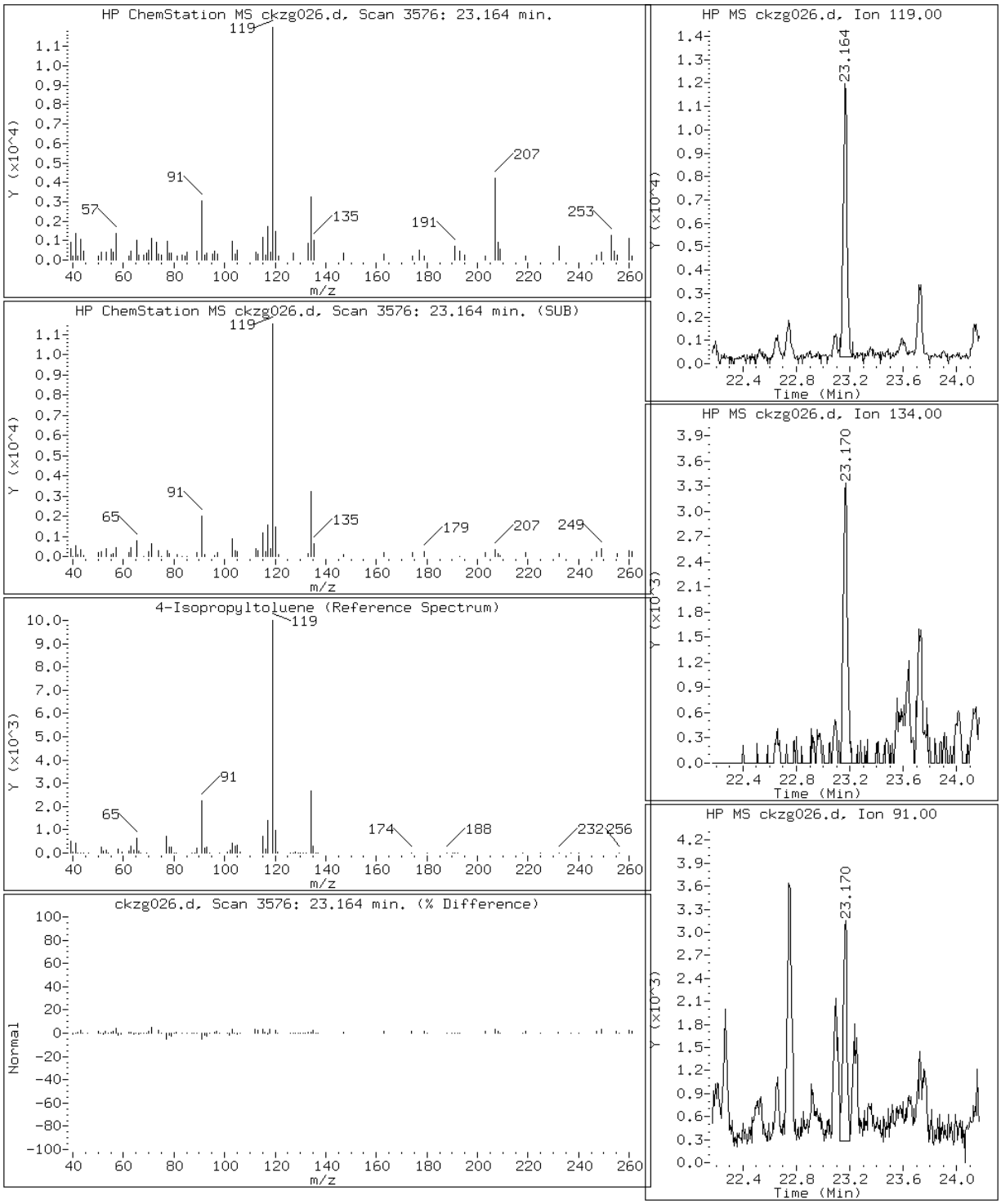
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

86 4-Isopropyltoluene



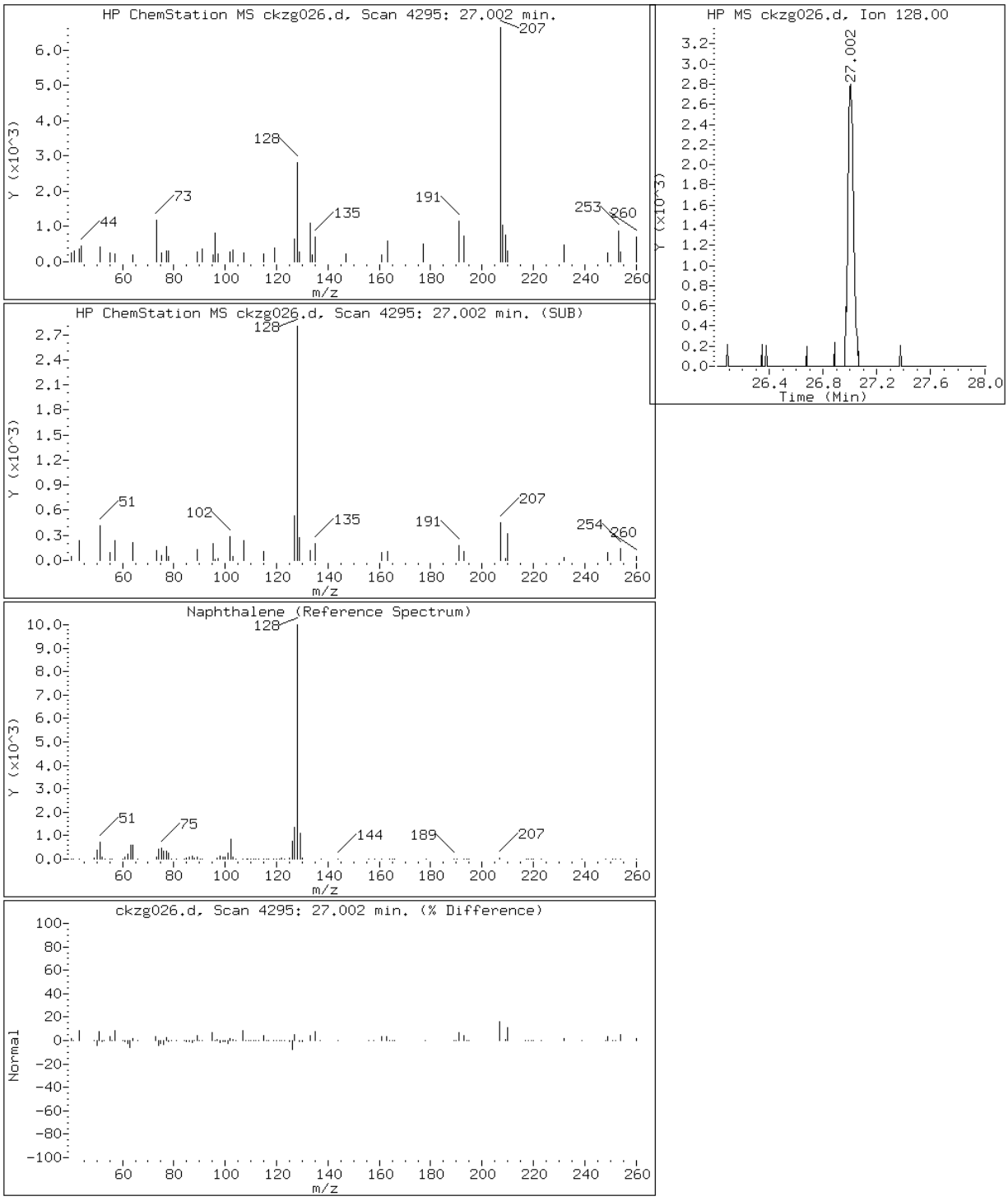
Data File: ckzg026.d

Lab Sample ID: 280-32071-20 Date: 23-AUG-2012 10:01

Client ID: 785VMP0501AD Instrument: C.i

Sample Info: 280-32071-A-20 Operator: pad

96 Naphthalene



Manual Integration Report

Data File: ckzg026.d
Lab Sample ID: 280-32071-20
Inj. Date and Time: 23-AUG-2012 10:01
Instrument ID: C.i
Client ID: 785VMP0501AD
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 08/28/2012

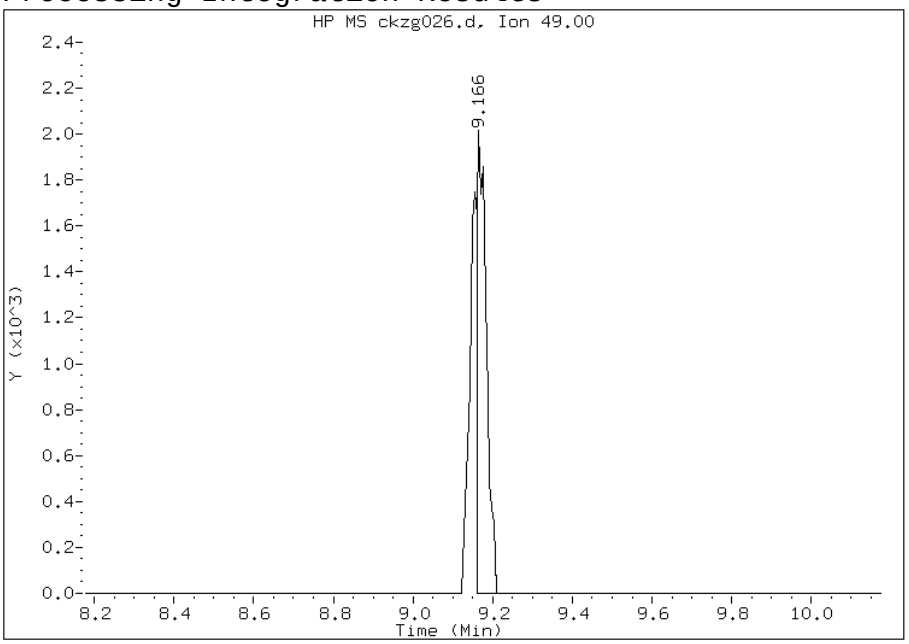
Processing Integration Results

RT: 9.17

Response: 3386

Amount: 0.109890

Conc: 0.109890



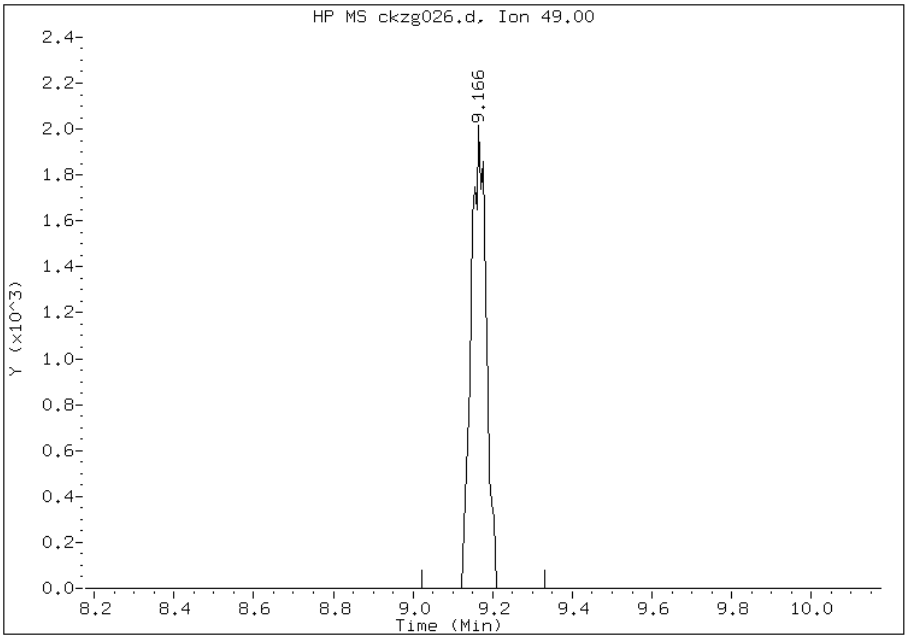
Manual Integration Results

RT: 9.17

Response: 5244

Amount: 0.170189

Conc: 0.170189



File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzg026.d
Lab Sample ID: 280-32071-20
Inj. Date and Time: 23-AUG-2012 10:01
Instrument ID: C.i
Client ID: 785VMP0501AD
Compound: 41 1,1,1-Trichloroethane
CAS #: 71-55-6
Report Date: 08/28/2012

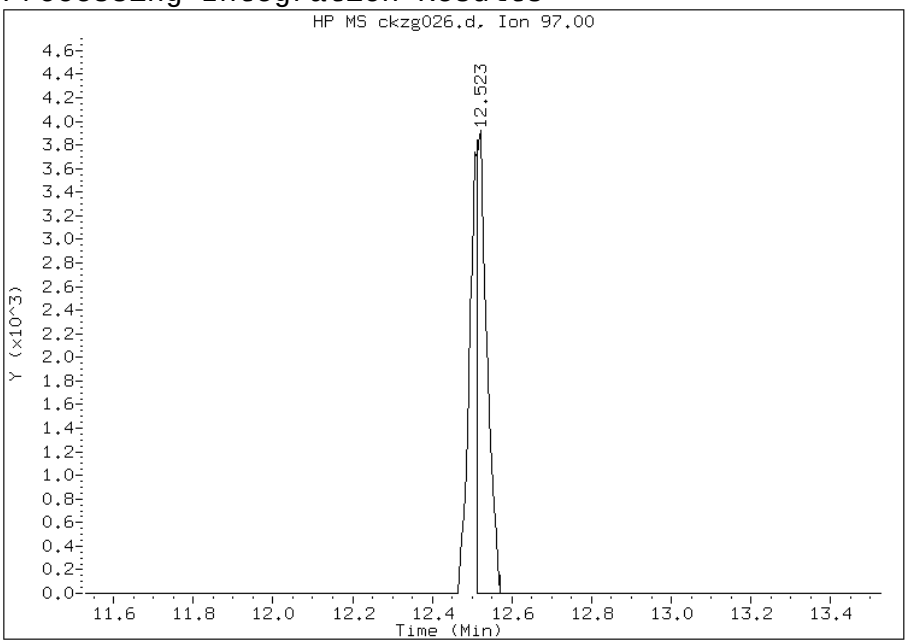
Processing Integration Results

RT: 12.52

Response: 7270

Amount: 0.086322

Conc: 0.086322



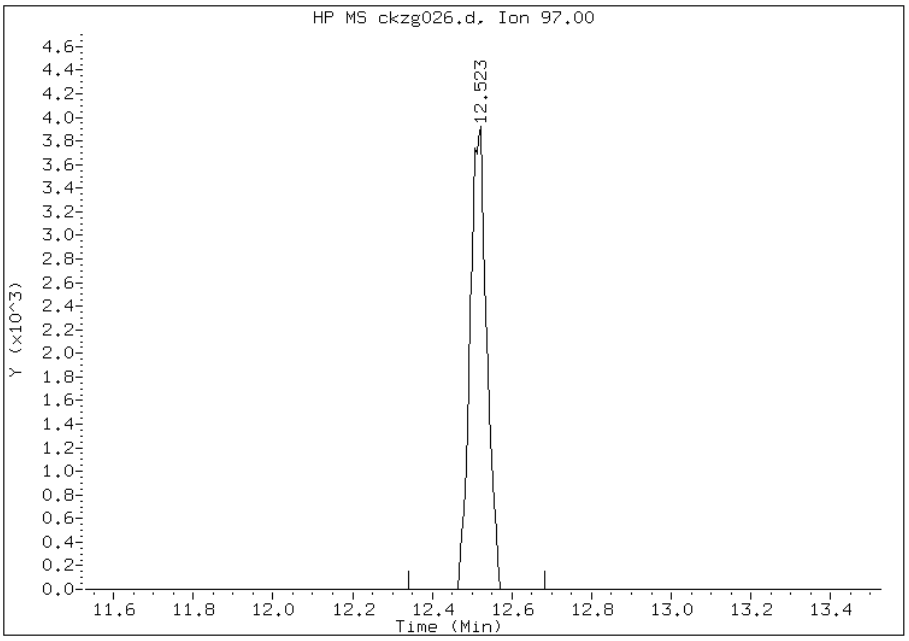
Manual Integration Results

RT: 12.52

Response: 11489

Amount: 0.136417

Conc: 0.136417



File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzg026.d
Lab Sample ID: 280-32071-20
Inj. Date and Time: 23-AUG-2012 10:01
Instrument ID: C.i
Client ID: 785VMP0501AD
Compound: 44 Benzene
CAS #: 71-43-2
Report Date: 08/28/2012

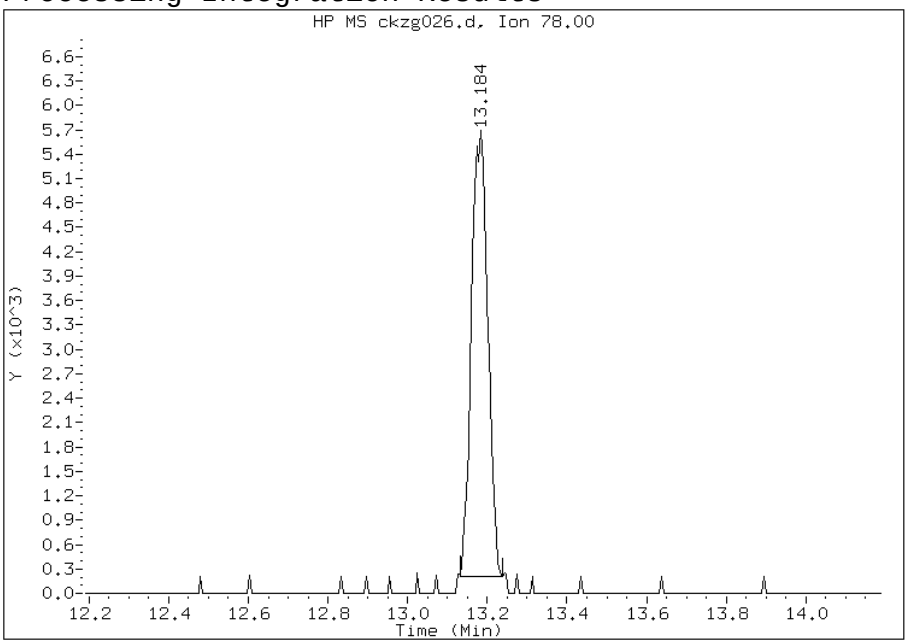
Processing Integration Results

RT: 13.18

Response: 15560

Amount: 0.142394

Conc: 0.142394



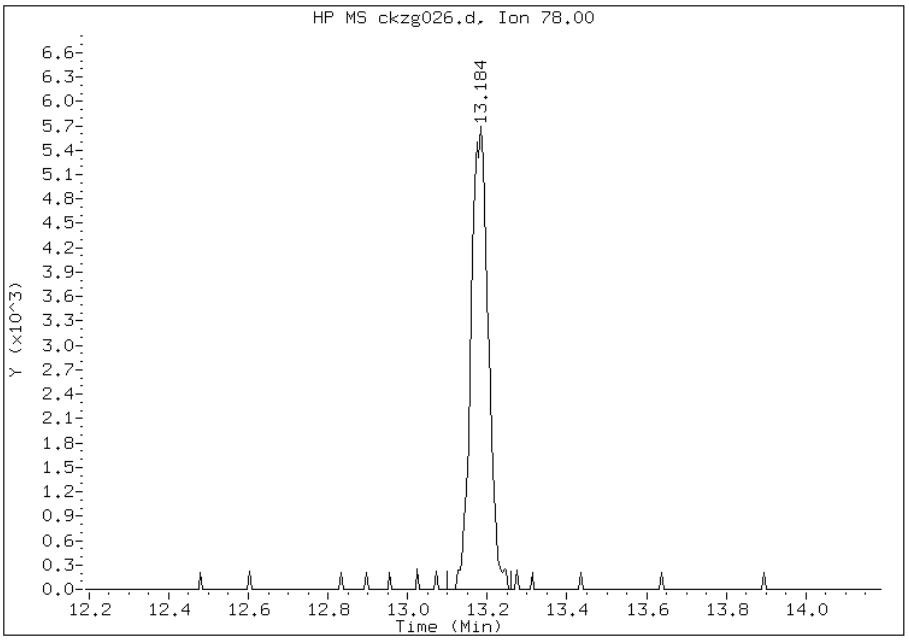
Manual Integration Results

RT: 13.18

Response: 17175

Amount: 0.157173

Conc: 0.157173



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 280-32071-21

Matrix: Air Lab File ID: ckzi014.d

Analysis Method: TO-15 Date Collected: 08/08/2012 09:00

Sample wt/vol: 200(mL) Date Analyzed: 08/28/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.080	U	0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.13	J	0.50	0.034
106-97-8	n-Butane	58.12	0.23	J	0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.021
76-13-1	Freon TF	187.38	0.080	U	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	2.7	J	5.0	0.40
67-63-0	Isopropyl alcohol	60.10	1.2	J	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.067	J	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.080	U	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.080	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.83		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.21	J	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.040	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.040	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 280-32071-21

Matrix: Air Lab File ID: ckzi014.d

Analysis Method: TO-15 Date Collected: 08/08/2012 09:00

Sample wt/vol: 200(mL) Date Analyzed: 08/28/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.040	U	0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.080	U	0.50	0.034
108-88-3	Toluene	92.14	0.098	J	0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.040	U	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.040	U	0.50	0.022
95-47-6	Xylene, o-	106.17	0.040	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.040	U	0.20	0.016
100-42-5	Styrene	104.15	0.040	U	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.080	U	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 280-32071-21

Matrix: Air Lab File ID: ckzi014.d

Analysis Method: TO-15 Date Collected: 08/08/2012 09:00

Sample wt/vol: 200(mL) Date Analyzed: 08/28/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 280-32071-21

Matrix: Air Lab File ID: ckzi014.d

Analysis Method: TO-15 Date Collected: 08/08/2012 09:00

Sample wt/vol: 200(mL) Date Analyzed: 08/28/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.40	U	2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.26	J	1.0	0.070
106-97-8	n-Butane	58.12	0.54	J	1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.12
76-13-1	Freon TF	187.38	0.61	U	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	6.5	J	12	0.95
67-63-0	Isopropyl alcohol	60.10	3.0	J	12	0.19
75-15-0	Carbon disulfide	76.14	0.21	J	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.28	U	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.28	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	2.4		1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.61	J	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.14	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.25	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.13	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 280-32071-21

Matrix: Air Lab File ID: ckzi014.d

Analysis Method: TO-15 Date Collected: 08/08/2012 09:00

Sample wt/vol: 200(mL) Date Analyzed: 08/28/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.33	U	2.0	0.14
108-88-3	Toluene	92.14	0.37	J	0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.17	U	0.87	0.065
179601-23-1	m,p-Xylene	106.17	0.17	U	2.2	0.096
95-47-6	Xylene, o-	106.17	0.17	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.17	U	0.87	0.069
100-42-5	Styrene	104.15	0.17	U	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.39	U	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 280-32071-21

Matrix: Air Lab File ID: ckzi014.d

Analysis Method: TO-15 Date Collected: 08/08/2012 09:00

Sample wt/vol: 200(mL) Date Analyzed: 08/28/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 280-32071-21
Client Smp ID: TRIP BLANK
Inj Date : 28-AUG-2012 00:17
Operator : wrd Inst ID: C.i
Smp Info : 280-32071-A-21
Misc Info : 200,1,all74
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/to15v5.m
Meth Date : 28-Aug-2012 10:42 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.790	4.811	(0.397)	2558	0.12785	0.13(a)
6 Butane	43	5.062	5.078	(0.419)	8103	0.22897	0.23(a)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.248	8.269	(0.683)	78569	2.73066	2.7(a)

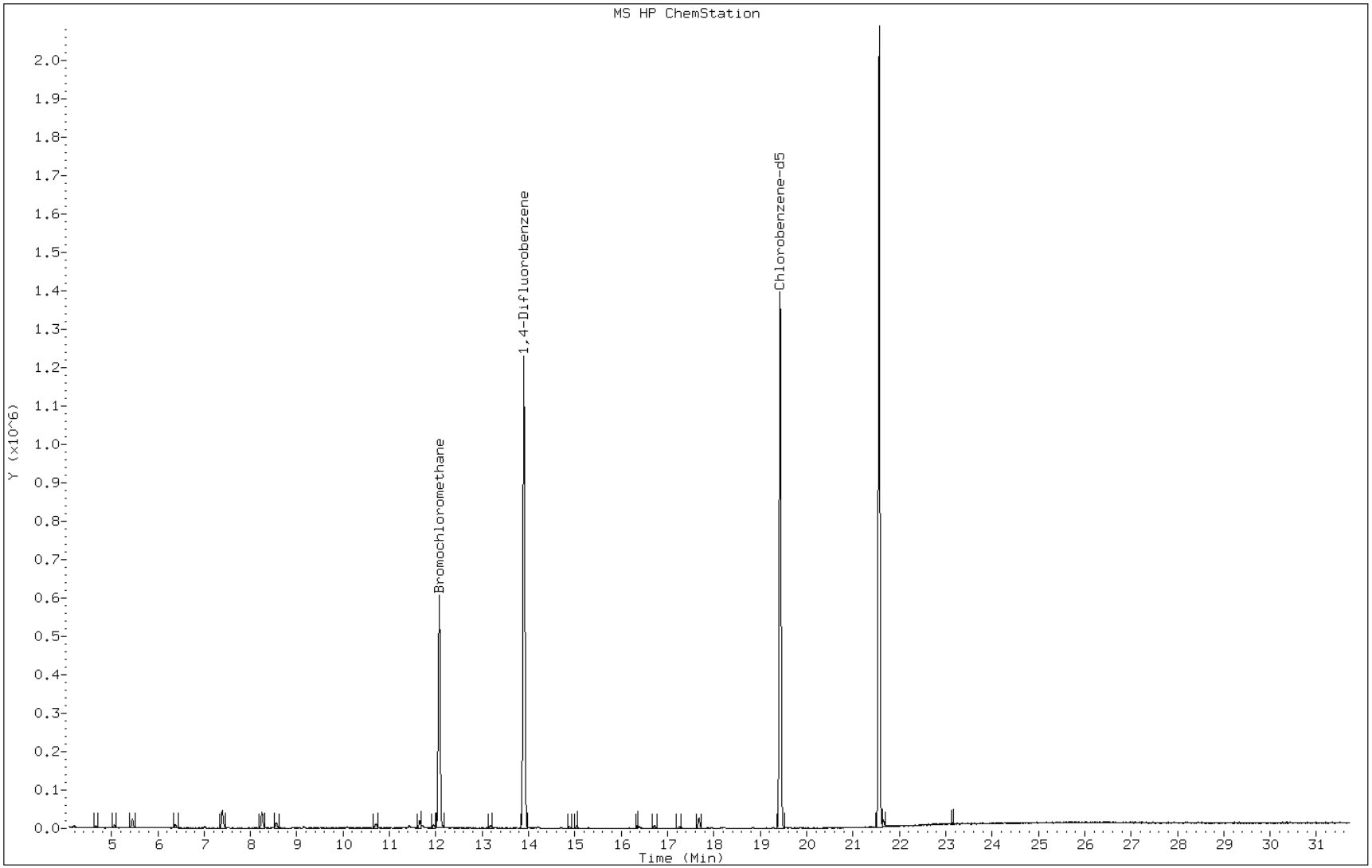
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
21	Carbon disulfide	76	8.488	8.509	(0.703)	4642	0.06655	0.067(a)
22	Isopropanol	45	8.547	8.573	(0.708)	25052	1.23925	1.2(a)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	11.658	11.674	(0.966)	9022	0.82523	0.83(Q)
* 37	Bromochloromethane	128	12.075	12.096	(1.000)	261308	10.0000	
38	Tetrahydrofuran	42	12.133	12.139	(0.873)	4850	0.20617	0.21(a)
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	13.900	13.921	(1.000)	1496422	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	16.718	16.734	(0.860)	6259	0.09786	0.098(a)
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.429	19.450	(1.000)	1334156	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzi014.d	Date:	28-AUG-2012 00:17
Client ID:	TRIP BLANK	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	280-32071-A-21		
Lab Sample ID:	280-32071-21		



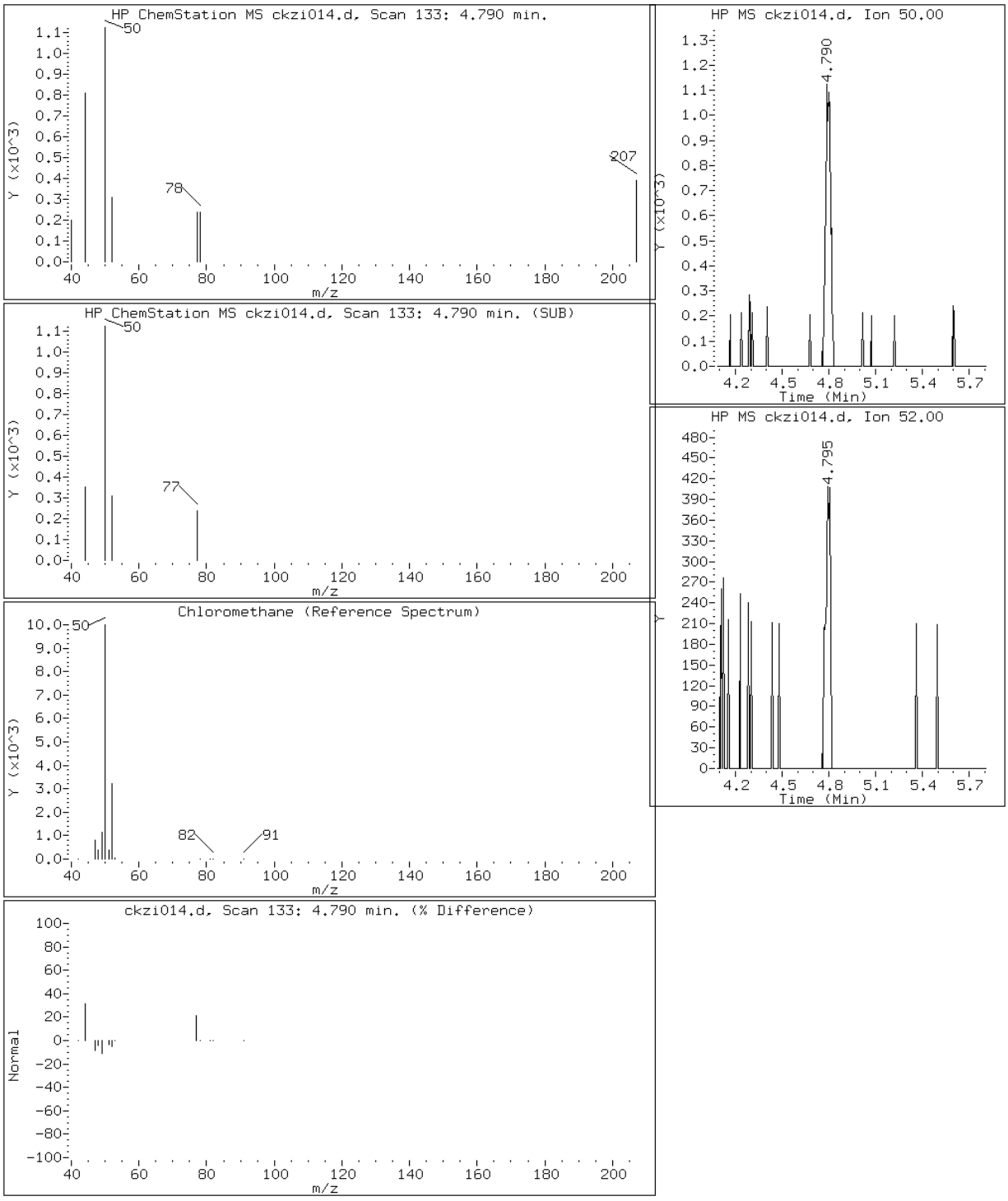
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

5 Chloromethane



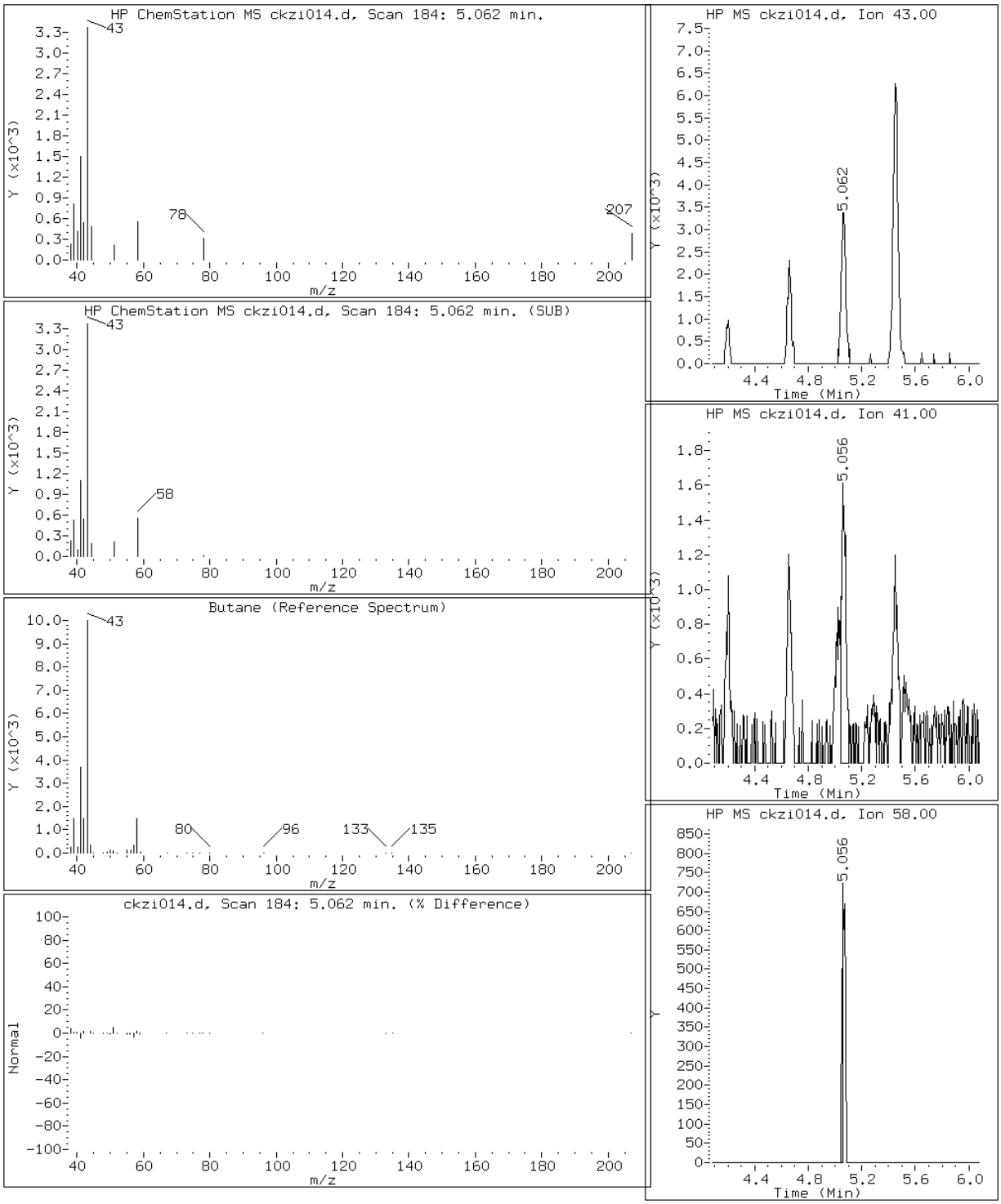
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

6 Butane



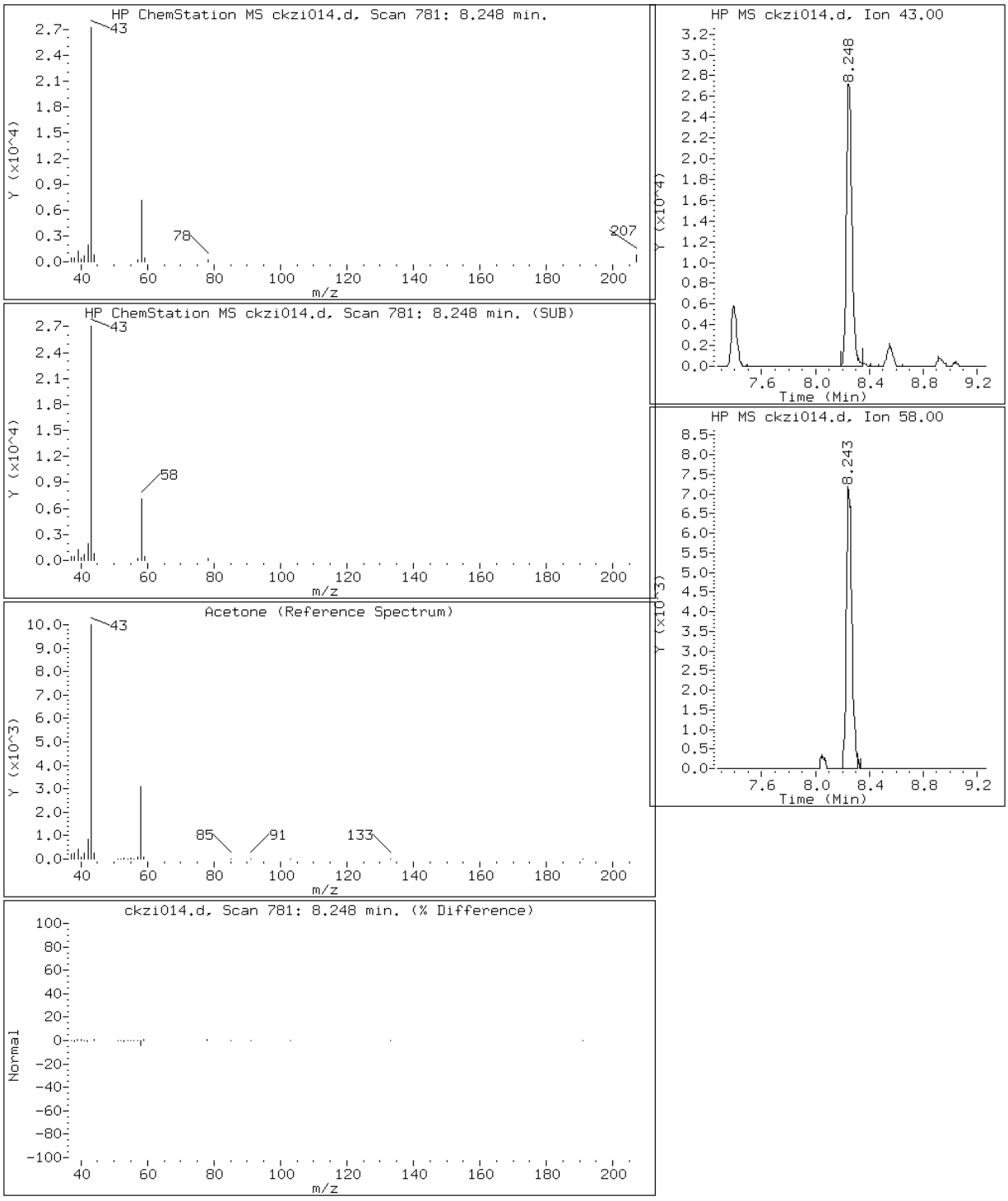
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

20 Acetone



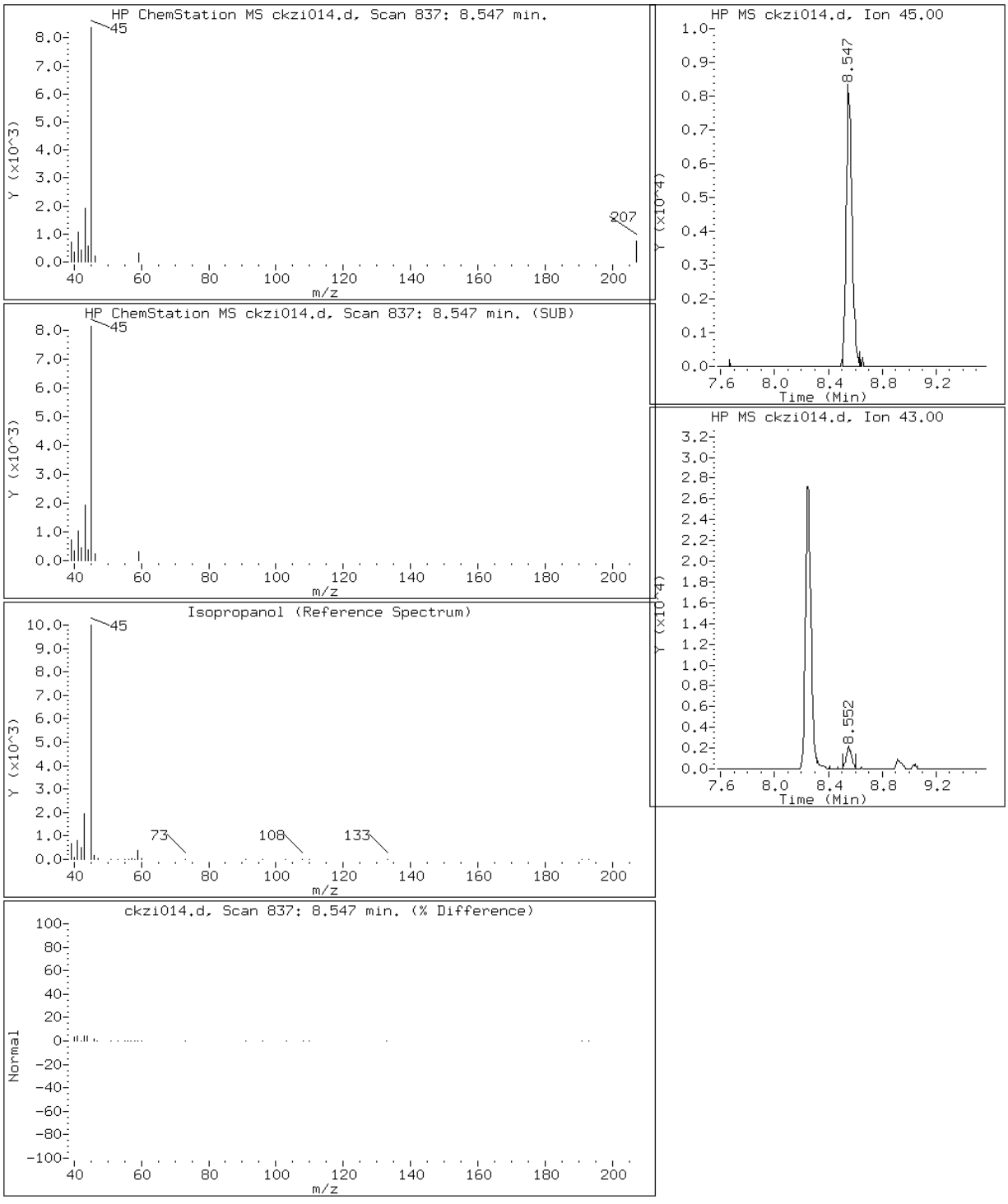
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

22 Isopropanol



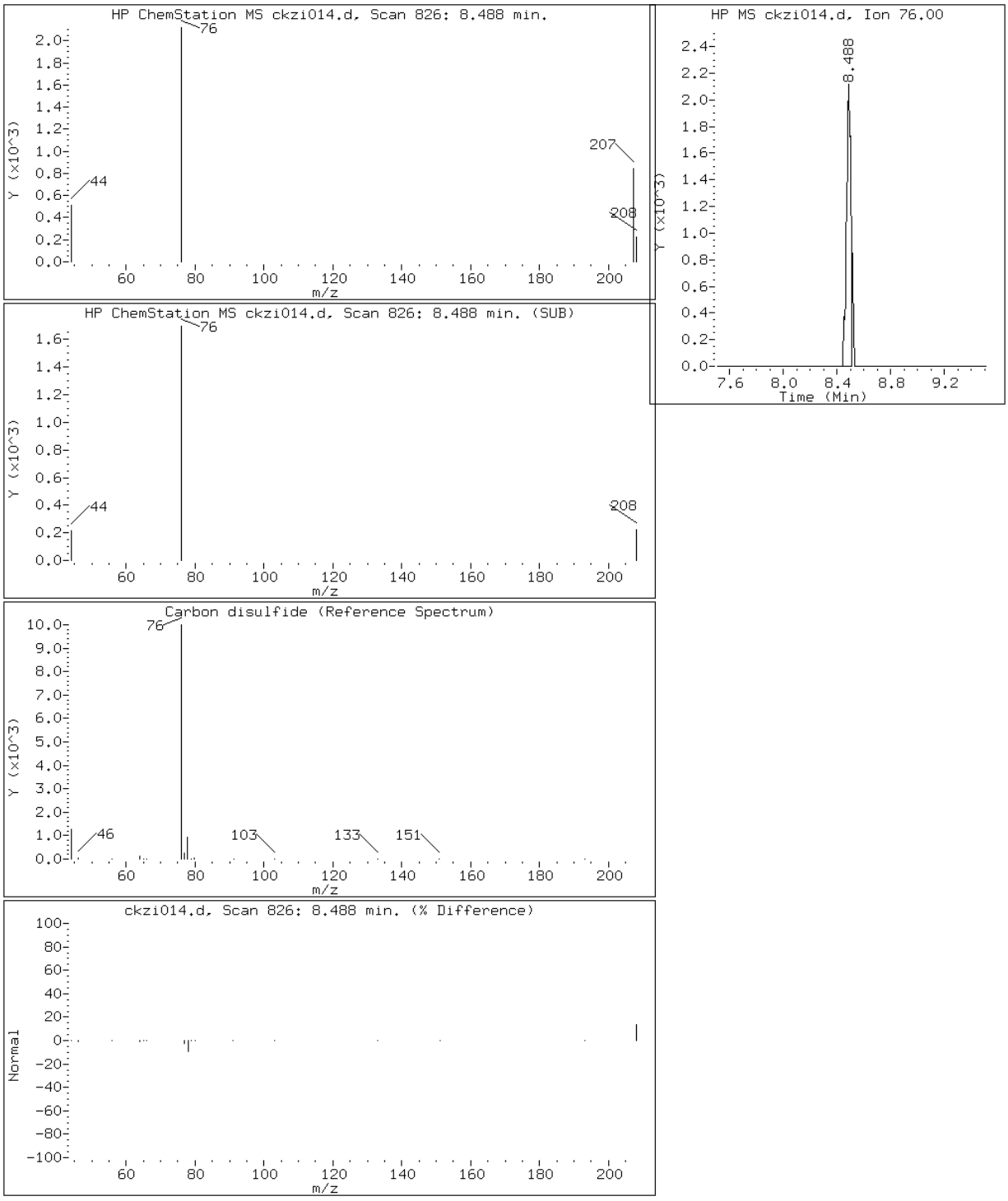
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

21 Carbon disulfide



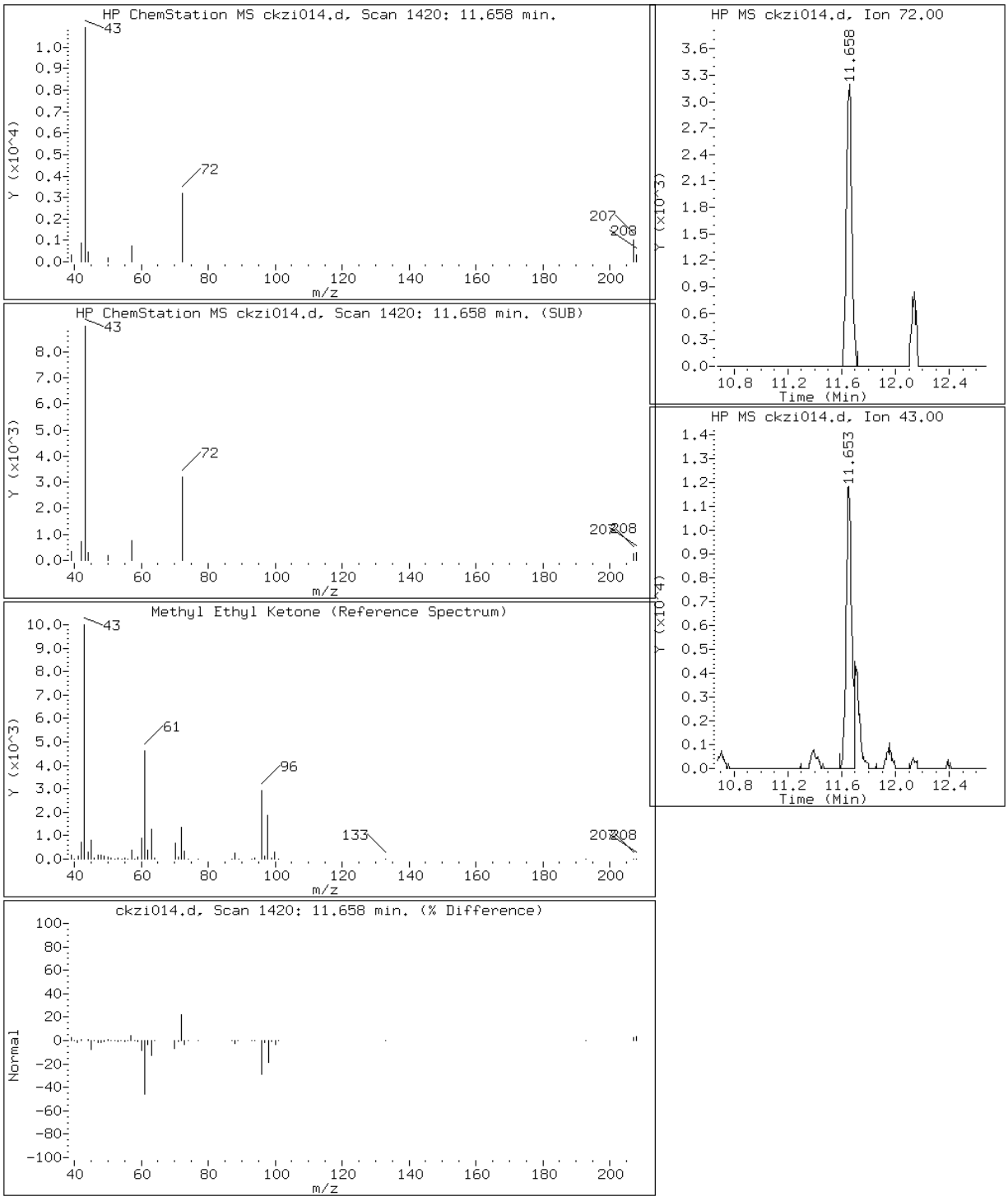
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

36 Methyl Ethyl Ketone



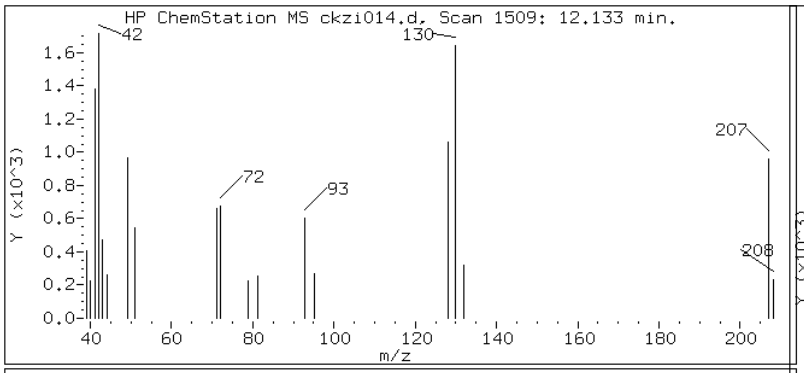
Data File: ckzi014.d

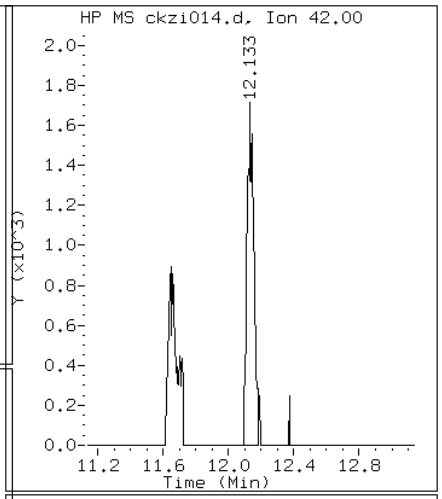
Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

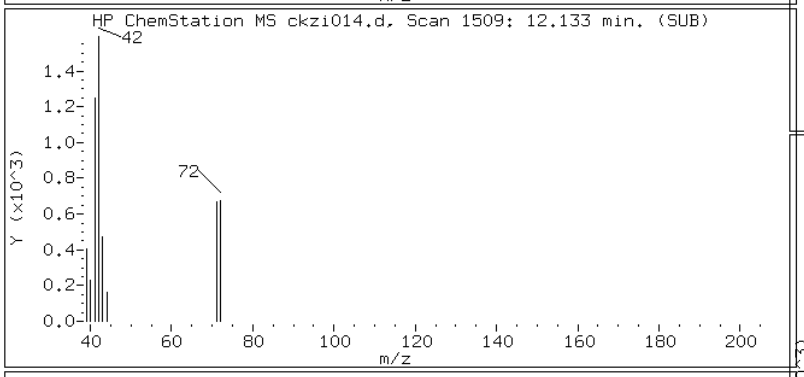
Client ID: TRIP BLANK Instrument: C.i

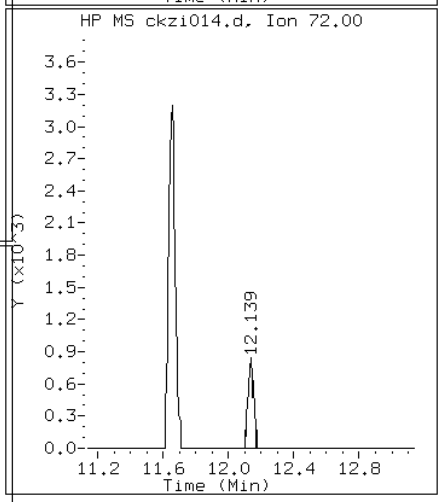
Sample Info: 280-32071-A-21 Operator: wrd

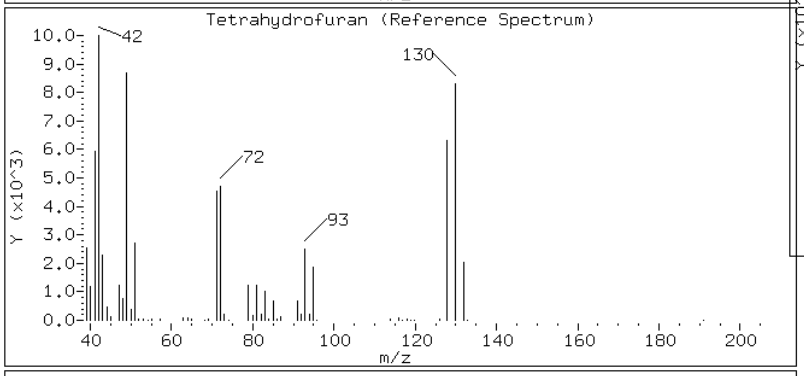
38 Tetrahydrofuran

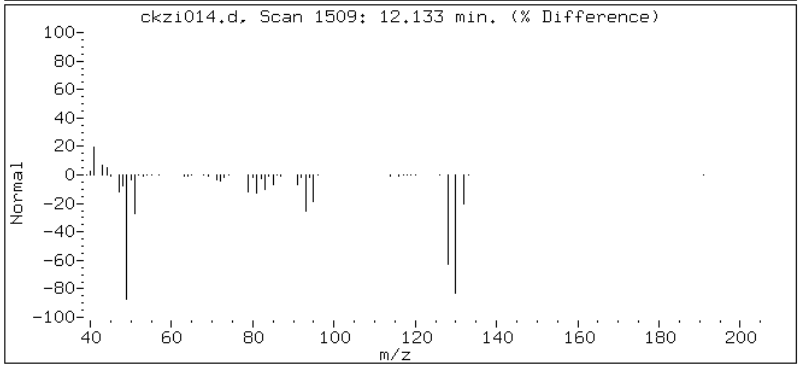












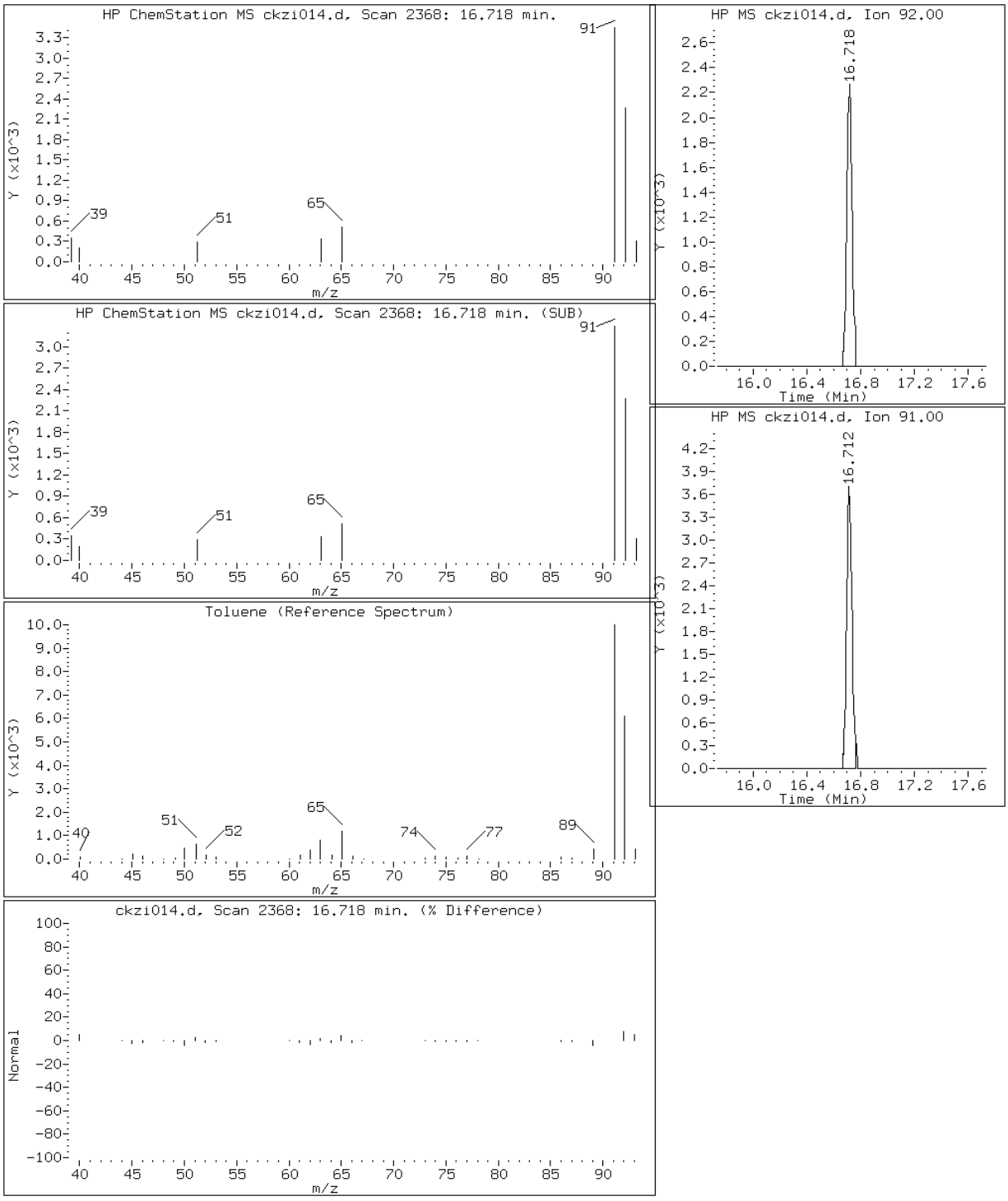
Data File: ckzi014.d

Lab Sample ID: 280-32071-21 Date: 28-AUG-2012 00:17

Client ID: TRIP BLANK Instrument: C.i

Sample Info: 280-32071-A-21 Operator: wrd

58 Toluene



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-43490/3	ic 376683	ckz003.d
Level 2	IC 200-43490/4	ic 376683	ckz004.d
Level 3	IC 200-43490/5	ic 376702	ckz005.d
Level 4	IC 200-43490/6	ic 370619	ckz006.d
Level 5	ICIS 200-43490/15	icis 370604	ckz015.d
Level 6	IC 200-43490/8	ic 370603	ckz008.d
Level 7	IC 200-43490/9	ic 370601	ckz009.d
Level 8	IC 200-43490/10	ic 370600	ckz010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.6295	+++++ 0.5874	0.7402 0.5409	0.7173	0.6751	Ave		0.6484				11.8		30.0			
Dichlorodifluoromethane	+++++ 2.6990	+++++ 2.5969	3.0739 2.4542	2.9563	2.6940	Ave		2.7457				8.4		30.0			
Freon 22	+++++ 1.3440	+++++ 1.2570	1.6383 1.1785	1.5074	1.3768	Ave		1.3837				12.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.7953	3.0326 2.6891	2.8534 2.5507	2.9152	2.7473	Ave		2.7977				5.6		30.0			
Chloromethane	+++++ 0.7464	+++++ 0.7035	0.8814 0.6607	0.8254	0.7767	Ave		0.7657				10.5		30.0			
n-Butane	+++++ 1.3441	+++++ 1.2436	1.4925 1.1536	1.4833	1.4088	Ave		1.3543				10.0		30.0			
1,3-Butadiene	+++++ 0.6853	0.7256 0.6504	0.7225 0.6123	0.7244	0.6932	Ave		0.6877				6.3		30.0			
Acrolein	+++++ 0.2971	+++++ 0.2805	+++++ 0.2615	0.2879	0.2873	Ave		0.2829				4.7		30.0			
Vinyl chloride	1.0102 0.9389	1.0270 0.8943	0.9551 0.8450	0.9878	0.9461	Ave		0.9506				6.3		30.0			
Bromomethane	+++++ 0.9116	0.9619 0.9068	0.9221 0.8611	0.9265	0.9057	Ave		0.9137				3.3		30.0			
Chloroethane	+++++ 0.4839	+++++ 0.4636	0.4834 0.4416	0.5044	0.4835	Ave		0.4767				4.5		30.0			
Isopentane	+++++ 0.9958	1.1459 0.9497	1.1259 0.8853	1.1009	1.0165	Ave		1.0314				9.4		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9780	1.0397 0.9713	0.9656 0.9395	0.9718	0.9601	Ave		0.9751				3.2		30.0			
Trichlorofluoromethane	+++++ 2.8528	3.1272 2.7322	3.1002 2.6033	3.0854	2.7689	Ave		2.8957				7.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 1.5774	+++++ 1.4922	1.6768 1.3928	1.6987	1.6075	Ave		1.5742				7.3		30.0			
Ethanol	+++++ 0.2349	+++++ 0.2316	0.2485 0.2026	0.2536	0.2352	Ave		0.2344				7.6		30.0			
Ethyl ether	+++++ 0.6185	0.6091 0.5900	0.6031 0.5425	0.6261	0.6064	Ave		0.5994				4.6		30.0			
Freon TF	+++++ 1.9955	2.1282 1.9539	2.1940 1.8839	2.0570	1.9605	Ave		2.0247				5.3		30.0			
tert-Butyl alcohol	+++++ 1.1778	+++++ 1.1068	+++++ 1.0645	1.3202	1.2143	Ave		1.1767				8.4		30.0			
1,1-Dichloroethene	+++++ 0.9453	1.0305 0.9249	0.9672 0.9063	0.9532	0.9286	Ave		0.9508				4.2		30.0			
Acetone	+++++ 1.1122	+++++ 1.0173	+++++ 0.9194	1.2438	1.2129	Ave		1.1011				12.3		30.0			
Carbon disulfide	+++++ 2.6871	+++++ 2.6462	2.6890 2.5684	2.7553	2.6692	Ave		2.6692				2.3		30.0			
Isopropyl alcohol	+++++ 0.7860	+++++ 0.7474	+++++ 0.6592	0.8805	0.7949	Ave		0.7736				10.4		30.0			
3-Chloropropene	+++++ 1.1328	1.2061 1.0721	1.1458 1.0169	1.1852	1.1160	Ave		1.1250				5.8		30.0			
Acetonitrile	+++++ 0.4931	+++++ 0.4128	+++++ 0.4198	0.4870	0.4530	Ave		0.4531				8.2		30.0			
Methylene Chloride	+++++ 0.9029	+++++ 0.8597	1.1583 0.8039	0.9990	0.9121	Ave		0.9393				13.3		30.0			
Methyl tert-butyl ether	+++++ 2.7062	2.7875 2.5808	2.7311 2.4088	2.7209	2.5927	Ave		2.6468				4.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4050	1.4665 1.3364	1.4347 1.2690	1.5032	1.3799	Ave		1.3992				5.7		30.0			
Acrylonitrile	+++++ 0.5646	+++++ 0.5362	0.5065 0.5142	0.5690	0.5509	Ave		0.5402				4.8		30.0			
Ethyl acetate	+++++ 0.0857	+++++ 0.0841	+++++ 0.0804	0.0829	0.0808	Ave		0.0828				2.7		30.0			
n-Hexane	+++++ 1.5099	1.6008 1.4542	1.5311 1.3839	1.5967	1.5169	Ave		1.5134				5.1		30.0			
1,1-Dichloroethane	+++++ 1.7734	1.9531 1.7040	1.8624 1.6262	1.9013	1.7708	Ave		1.7987				6.4		30.0			
Vinyl acetate	+++++ 1.9832	+++++ 1.8707	+++++ 1.7205	1.9754	1.9144	Ave		1.8928				5.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.0870	1.2717 1.0750	1.1730 1.0427	1.1081	1.0766	Ave		1.1192				7.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	+++++ 0.4322	+++++ 0.4192	0.4298 0.3859	0.4274	0.4157	Ave		0.4184				4.1		30.0			
Tetrahydrofuran	+++++ 0.1606	+++++ 0.1518	+++++ 0.1529	0.1659	0.1549	Ave		0.1572				3.8		30.0			
Chloroform	+++++ 2.2140	2.3865 2.1319	2.3238 2.0362	2.3519	2.1930	Ave		2.2339				5.7		30.0			
1,1,1-Trichloroethane	+++++ 0.4499	0.4704 0.4352	0.4665 0.4611	0.4759	0.4363	Ave		0.4565				3.6		30.0			
Cyclohexane	+++++ 0.2802	0.2903 0.2756	0.2698 0.2948	0.2807	0.2720	Ave		0.2805				3.3		30.0			
Benzene	+++++ 0.5802	0.6433 0.5730	0.5902 0.6008	0.5895	0.5688	Ave		0.5923				4.2		30.0			
2,2,4-Trimethylpentane	+++++ 0.8737	0.9119 0.8496	0.8673 0.8870	0.9116	0.8732	Ave		0.8821				2.6		30.0			
1,2-Dichloroethane	+++++ 0.2617	0.2786 0.2500	0.2746 0.2581	0.2845	0.2573	Ave		0.2664				4.8		30.0			
n-Heptane	+++++ 0.3082	0.3322 0.2952	0.3226 0.3039	0.3325	0.3119	Ave		0.3152				4.5		30.0			
n-Butanol	+++++ 0.0546	+++++ 0.0544	+++++ 0.0619	0.0604	0.0580	Ave		0.0579				5.8		30.0			
Carbon tetrachloride	0.5151 0.4828	0.4602 0.4675	0.4634 0.5042	0.5007	0.4614	Ave		0.4819				4.6		30.0			
1,2-Dichloropropane	+++++ 0.1966	0.2083 0.1933	0.1892 0.1958	0.2037	0.1917	Ave		0.1969				3.4		30.0			
Methyl methacrylate	+++++ 0.1803	+++++ 0.1783	0.1331 0.1864	0.1644	0.1664	Ave		0.1681				11.4		30.0			
1,4-Dioxane	+++++ 0.0712	+++++ 0.0699	+++++ 0.0667	0.0745	0.0684	Ave		0.0702				4.3		30.0			
Dibromomethane	+++++ 0.2615	0.2443 0.2624	0.2296 0.2869	0.2527	0.2476	Ave		0.2550				7.0		30.0			
Bromodichloromethane	+++++ 0.4495	0.4062 0.4369	0.4072 0.4516	0.4639	0.4358	Ave		0.4359				5.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.3324	0.3100 0.3254	0.3061 0.3372	0.3336	0.3202	Ave		0.3236				3.7		30.0			
methyl isobutyl ketone	+++++ 0.2985	+++++ 0.2797	0.2594 0.2847	0.2942	0.2613	Ave		0.2796				5.9		30.0			
Trichloroethene	0.2875 0.2737	0.2880 0.2723	0.2663 0.2930	0.2792	0.2700	Ave		0.2787				3.5		30.0			
Toluene	+++++ 0.4835	0.4815 0.4825	0.4540 0.4965	0.4943	0.4634	Ave		0.4794				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4230	0.4381 0.4028	0.4328 0.4014	0.4562	0.4227	Ave		0.4253				4.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.3369	0.3008 0.3272	0.2874 0.3415	0.3314	0.3197	Ave		0.3207				6.2		30.0			
1,1,2-Trichloroethane	+++++ 0.2181	0.2203 0.2156	0.2095 0.2188	0.2245	0.2072	Ave		0.2163				2.8		30.0			
Tetrachloroethene	+++++ 0.4576	0.4531 0.4611	0.4152 0.4946	0.4561	0.4262	Ave		0.4520				5.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2980	+++++ 0.2840	0.2417 0.2949	0.2986	0.2583	Ave		0.2793				8.5		30.0			
Dibromochloromethane	+++++ 0.5178	0.3838 0.5183	0.3915 0.5408	0.5062	0.4712	Ave		0.4757				13.4		30.0			
1,2-Dibromoethane	+++++ 0.4414	0.3774 0.4387	0.3681 0.4527	0.4415	0.4088	Ave		0.4184				8.1		30.0			
Chlorobenzene	+++++ 0.7086	0.6912 0.7037	0.6536 0.7341	0.7082	0.6592	Ave		0.6941				4.1		30.0			
Ethylbenzene	+++++ 1.0414	0.9953 1.0249	0.9260 1.0839	1.0198	0.9674	Ave		1.0084				5.1		30.0			
n-Nonane	+++++ 0.4527	0.4381 0.4333	0.4084 0.4449	0.4659	0.4292	Ave		0.4389				4.2		30.0			
m,p-Xylene	+++++ 0.4453	0.3947 0.4335	0.3717 0.4599	0.4270	0.4087	Ave		0.4201				7.2		30.0			
Xylene, o-	+++++ 0.4315	0.3697 0.4221	0.3672 0.4420	0.4158	0.3987	Ave		0.4067				7.2		30.0			
Styrene	+++++ 0.6545	0.4186 0.6503	0.4137 0.7079	0.5892	0.5921	Ave		0.5752				20.2		30.0			
Bromoform	+++++ 0.5234	0.3362 0.5184	0.3369 0.5577	0.4886	0.4670	Ave		0.4612				19.5		30.0			
Cumene	+++++ 1.2449	1.0564 1.2187	1.0303 1.3045	1.1942	1.1407	Ave		1.1699				8.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5594	0.4939 0.5417	0.4842 0.5651	0.5497	0.5110	Ave		0.5293				6.2		30.0			
1,2,3-Trichloropropane	+++++ 0.4464	+++++ 0.4251	0.3994 0.4337	0.4504	0.4130	Ave		0.4280				4.6		30.0			
n-Propylbenzene	+++++ 1.4270	1.0943 1.3800	1.1149 1.4648	1.3660	1.3033	Ave		1.3072				11.3		30.0			
4-Ethyltoluene	+++++ 1.2731	0.8881 1.2219	0.9346 1.2697	1.1957	1.1452	Ave		1.1326				13.9		30.0			
n-Decane	+++++ 0.5415	+++++ 0.4921	0.4309 0.4565	0.5550	0.5122	Ave		0.4980				9.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.0237	0.9527 0.9776	0.8777 0.9916	1.0255	0.9416	Ave		0.9700				5.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0725	0.8271 1.0376	0.8267 1.1237	1.0221	0.9668	Ave		0.9824				11.8		30.0			
Alpha Methyl Styrene	+++++ 0.5424	0.2741 0.5371	0.2919 0.5934	0.4862	0.4835	Ave		0.4584				27.4		30.0			
tert-Butylbenzene	+++++ 1.0660	0.8471 1.0342	0.8697 1.1094	1.0242	0.9632	Ave		0.9877				10.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0623	0.7512 1.0193	0.7523 1.1125	1.0052	0.9499	Ave		0.9504				15.2		30.0			
sec-Butylbenzene	+++++ 1.5249	1.1189 1.4757	1.1564 1.5976	1.4642	1.3776	Ave		1.3879				13.2		30.0			
4-Isopropyltoluene	+++++ 1.3417	0.8530 1.2959	0.9130 1.4136	1.2477	1.1837	Ave		1.1784				18.2		30.0			
1,3-Dichlorobenzene	+++++ 0.7348	0.5588 0.7132	0.5407 0.8024	0.6860	0.6499	Ave		0.6694				14.1		30.0			
1,4-Dichlorobenzene	+++++ 0.7123	0.5378 0.6954	0.5185 0.7879	0.6573	0.6287	Ave		0.6483				14.8		30.0			
Benzyl chloride	+++++ 0.8213	0.5097 0.7993	0.4763 0.9010	0.7128	0.7009	Ave		0.7030				22.6		30.0			
n-Butylbenzene	+++++ 1.0531	0.5909 0.9990	0.6111 1.0906	0.9419	0.9124	Ave		0.8856				23.0		30.0			
n-Undecane	+++++ 0.5151	+++++ 0.4433	+++++ 0.5222	0.4232	0.4044	Ave		0.4617				11.7		30.0			
1,2-Dichlorobenzene	+++++ 0.6881	0.5127 0.6634	0.5013 0.7433	0.6447	0.6044	Ave		0.6226				14.4		30.0			
n-Dodecane	+++++ 0.2706	+++++ 0.2045	+++++ 0.3015	0.2987	0.2448	Ave		0.2640				15.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.2947	+++++ 0.2692	0.2232 0.3580	0.2901	0.2335	Ave		0.2781				17.5		30.0			
Hexachlorobutadiene	+++++ 0.4011	0.2962 0.3751	0.2901 0.4087	0.3822	0.3391	Ave		0.3561				13.6		30.0			
Naphthalene	+++++ 0.5959	+++++ 0.5080	0.4051 0.7434	0.5750	0.4881	Ave		0.5526				20.9		30.0			
1,2,3-Trichlorobenzene	+++++ 0.2299	0.1800 0.2069	0.1848 0.2710	0.2348	0.1940	Ave		0.2145				15.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-43490/3	ckz003.d
Level 2	IC 200-43490/4	ckz004.d
Level 3	IC 200-43490/5	ckz005.d
Level 4	IC 200-43490/6	ckz006.d
Level 5	ICIS 200-43490/15	ckz015.d
Level 6	IC 200-43490/8	ckz008.d
Level 7	IC 200-43490/9	ckz009.d
Level 8	IC 200-43490/10	ckz010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 393566	+++++ 536817	13040 1063874	127364	283059	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 1687394	+++++ 2373061	54156 4827325	524916	1129574	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 840224	+++++ 1148663	28864 2318035	267662	577311	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1747564	22087 2457381	50270 5017164	517629	1151940	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 466665	+++++ 642841	15529 1299651	146550	325650	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 840295	+++++ 1136393	26294 2269233	263379	590701	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 428417	5285 594316	12729 1204410	128623	290672	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 185751	+++++ 256344	+++++ 514321	51122	120447	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1524 586988	7480 817235	16827 1662035	175401	396687	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 569942	7006 828656	16245 1693799	164502	379780	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 302553	+++++ 423646	8516 868559	89570	202738	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 622540	8346 867881	19836 1741356	195472	426219	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 611435	7572 887634	17011 1848007	172557	402574	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 1783517	22776 2496706	54619 5120772	547854	1161002	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 986163	+++++ 1363630	29541 2739630	301630	674005	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	BCM	Ave	+++++ 195794	+++++ 423287	43784 996073	90045	147960	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0
Ethyl ether	BCM	Ave	+++++ 386647	4436 539131	10625 1067046	111163	254247	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1247555	15500 1785541	38654 3705569	365245	822029	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 736341	+++++ 1011441	+++++ 2093862	234420	509154	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 590970	7505 845197	17040 1782667	169248	389344	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 695313	+++++ 929650	+++++ 1808368	220856	508549	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1679909	+++++ 2418141	47375 5052073	489232	1119189	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 491424	+++++ 682994	+++++ 1296594	156350	333318	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 708216	8784 979703	20186 2000333	210440	467926	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 308270	+++++ 377267	+++++ 825669	86464	189950	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 564476	+++++ 785574	20407 1581183	177376	382450	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1691850	20302 2358384	48116 4738158	483116	1087102	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 878373	10681 1221256	25276 2496079	266907	578583	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 352996	+++++ 489994	8923 1011403	101040	230986	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 53550	+++++ 76824	+++++ 158228	14712	33878	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 943974	11659 1328827	26975 2722223	283502	636047	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	+++++ 1108709	14225 1557111	32811 3198805	337595	742485	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 1239854	+++++ 1709438	+++++ 3384215	350751	802692	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 679576	9262 982350	20666 2051085	196752	451438	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 270226	+++++ 383108	7573 758972	75894	174301	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 555906	+++++ 761622	+++++ 1491236	165101	362068	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1384145	17381 1948138	40941 4005308	417596	919514	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 1556934	19132 2183499	46194 4498299	473681	1020074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 969727	11808 1382842	26715 2875788	279394	636062	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2008021	26166 2874734	58442 5861699	586751	1329811	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3023710	37093 4262374	85877 8653827	907351	2041604	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 905678	11331 1254053	27191 2518111	283185	601581	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1066712	13511 1481103	31946 2965258	331000	729294	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 189079	+++++ 272944	+++++ 604323	60155	135583	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4394 1670958	18719 2345482	45880 4919166	498385	1078834	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 680514	8471 969733	18732 1910510	202786	448163	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 623788	+++++ 894560	13183 1818413	163651	388995	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 246521	+++++ 350811	+++++ 650303	74196	159944	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 905001	9939 1316604	22730 2799296	251523	578927	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1555426	16523 2191881	40315 4405637	461707	1018972	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1150398	12608 1632459	30308 3289522	332086	748632	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 1032913	+++++ 1403370	25685 2777113	292876	610844	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2452 947186	11714 1365930	26365 2858818	277869	631256	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1532941	17855 2202530	41556 4448120	439755	1009776	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1463679	17820 2020913	42856 3915874	454106	988252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1166001	12235 1641621	28452 3332037	329846	747465	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 691388	8167 983941	19172 1959711	199746	451489	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	+++++ 1450848	16802 2104727	38008 4431081	405766	928617	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 944792	+++++ 1296084	22126 2641748	265661	562900	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 1641809	14230 2365702	35839 4844163	450291	1026857	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1399518	13995 2002421	33697 4055501	392787	890755	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 2246719	25629 3211968	59828 6576503	630032	1436363	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 3302057	36906 4678329	84758 9709309	907186	2107945	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 1435289	16244 1978008	37379 3985736	414432	935342	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 2823904	29267 3957139	68046 8239271	759733	1781171	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 1368167	13709 1926863	33614 3959827	369852	868813	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 2075226	15521 2968156	37864 6341806	524148	1290186	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1659606	12464 2366238	30836 4995494	434651	1017655	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 3947303	39171 5562721	94306 11685494	1062326	2485603	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1773677	18312 2472348	44322 5061975	488992	1113422	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1415521	+++++ 1940206	36558 3884902	400659	899864	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 4524580	40576 6298984	102048 13121769	1215235	2840068	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 4036789	32929 5577490	85543 11374226	1063720	2495383	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1716815	+++++ 2246198	39442 4089282	493744	1116216	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 3245736	35324 4462218	80335 8882480	912240	2051831	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3400461	30668 4736016	75673 10066067	909268	2106707	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 1719742	10162 2451434	26719 5316033	432507	1053537	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 3380018	31409 4720355	79610 9938298	911084	2098797	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-32071-1 Analy Batch No.: 43490

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3368303	27852 4652357	68858 9966136	894230	2069833	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 4835073	41489 6735894	105849 14311357	1302558	3001987	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 4254247	31629 5915135	83572 12663046	1109988	2579274	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2329856	20720 3255522	49495 7188170	610301	1416167	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2258369	19940 3174265	47456 7057943	584758	1369962	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 2604019	18898 3648254	43600 8071371	634101	1527206	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 3339168	21909 4559870	55935 9769839	837955	1988185	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 1633244	+++++ 2023452	+++++ 4678209	376487	881223	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2181647	19010 3027941	45888 6658200	573557	1317115	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 857889	+++++ 933475	+++++ 2701195	265689	533363	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 934260	+++++ 1228920	20429 3207300	258080	508705	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1271862	10984 1712222	26553 3660873	339968	738987	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 1889409	+++++ 2318811	37078 6659792	511479	1063574	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 729064	6673 944178	16918 2427773	208922	422731	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz003.d
Lab Smp Id: ic 376683 Client Smp ID: ic 376683
Inj Date : 14-AUG-2012 18:13
Operator : wrd Inst ID: C.i
Smp Info : ic 376683
Misc Info : 40,1,level 8
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 18:13 Cal File: ckz003.d
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	40.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	Compound Not Detected.					
7	Vinyl chloride	62	5.131	5.121	(0.424)	1524	0.04000	0.043(aM)
8	1,3-Butadiene	54	Compound Not Detected.					
9	Bromomethane	94	Compound Not Detected.					
10	Chloroethane	64	Compound Not Detected.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

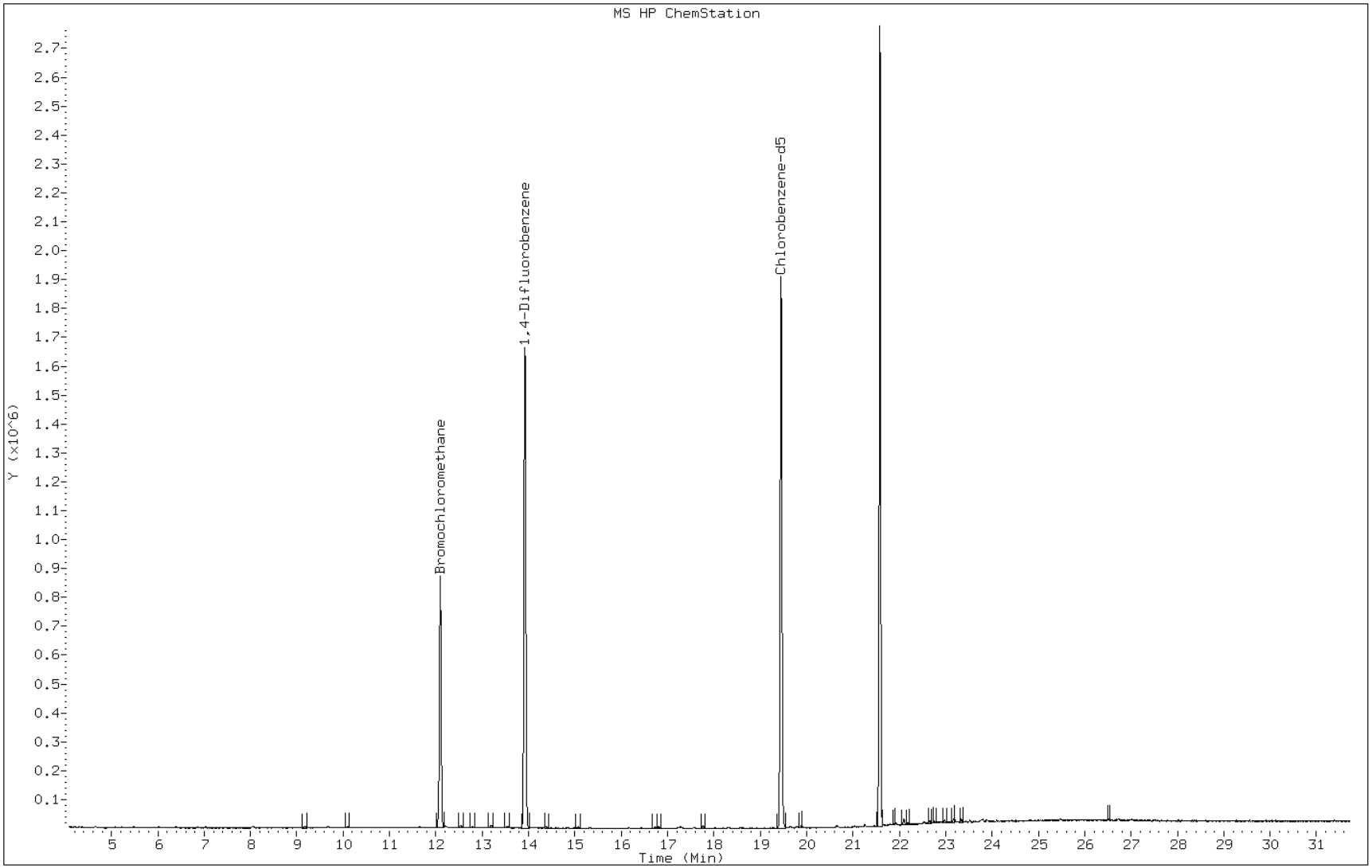
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	377146	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	4394	0.04000	0.043(aM)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2132470	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	14.369	14.375	(1.032)	2452	0.04000	0.041(aQ)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.450	19.450	(1.000)	1877367	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckz003.d	Date:	14-AUG-2012 18:13
Client ID:	ic 376683	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 376683		
Lab Sample ID:	ic 376683		



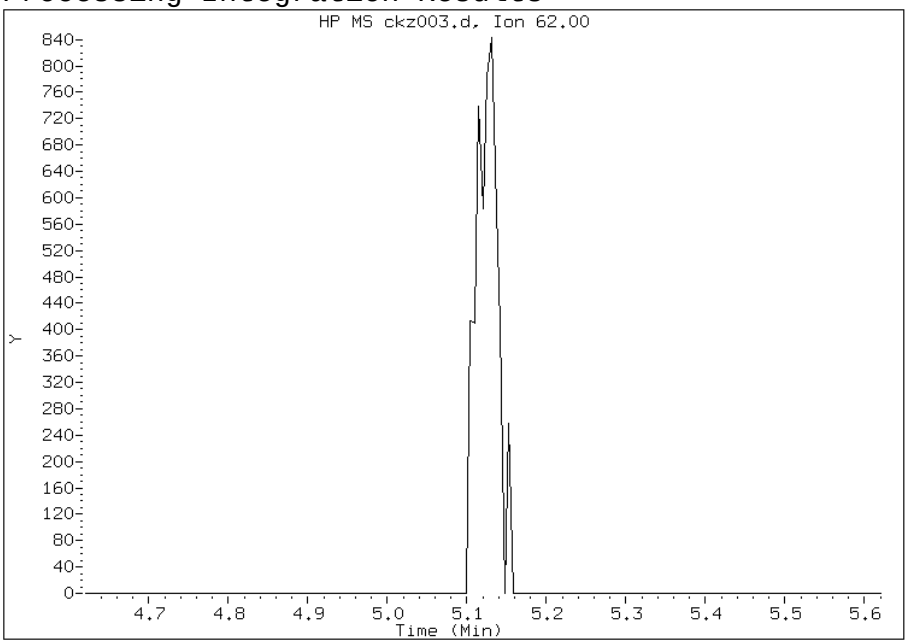
Manual Integration Report

Data File: ckz003.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 18:13
Instrument ID: C.i
Client ID: ic 376683
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 5.12



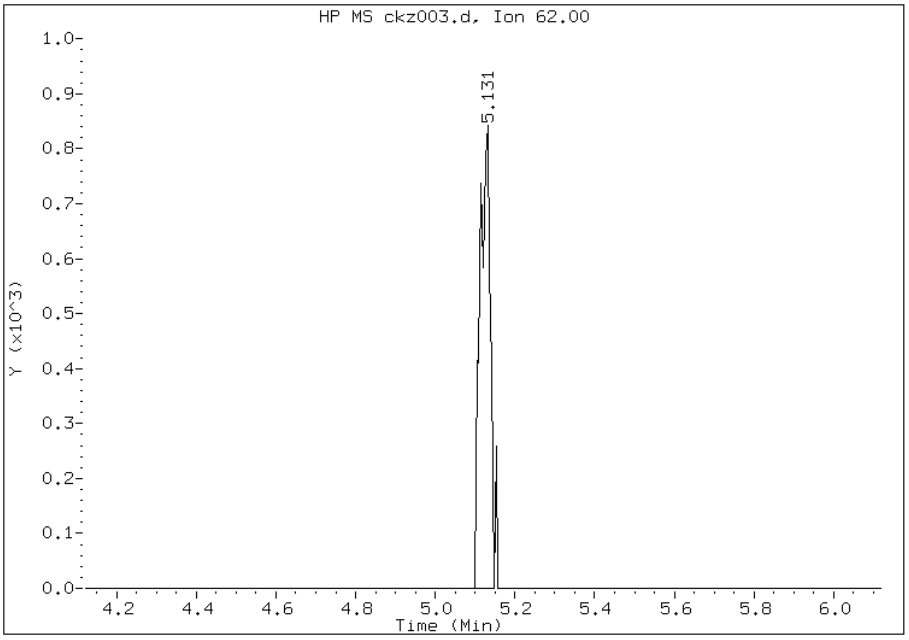
Manual Integration Results

RT: 5.13

Response: 1524

Amount: 0.042511

Conc: 0.042511



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

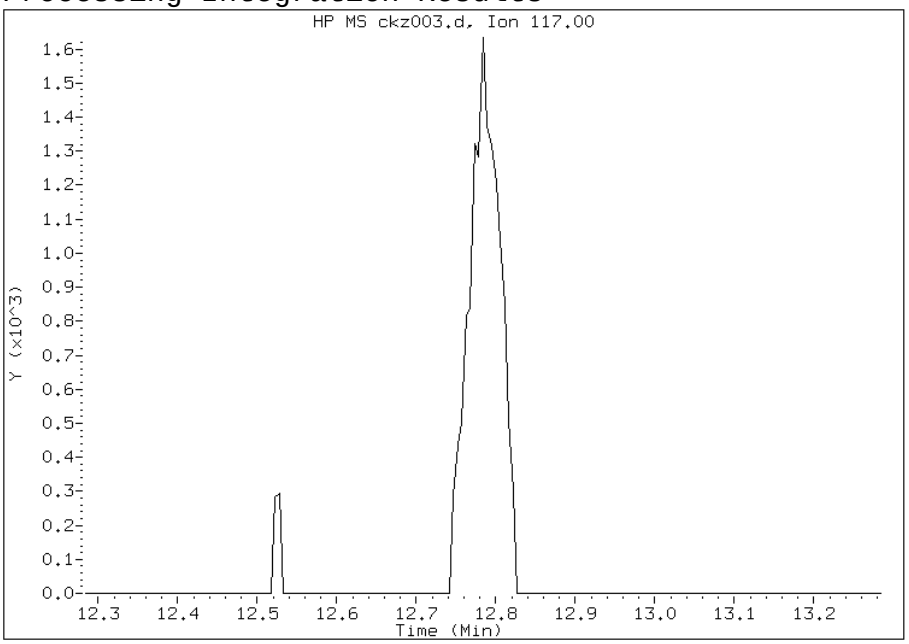
Manual Integration Report

Data File: ckz003.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 18:13
Instrument ID: C.i
Client ID: ic 376683
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 12.78



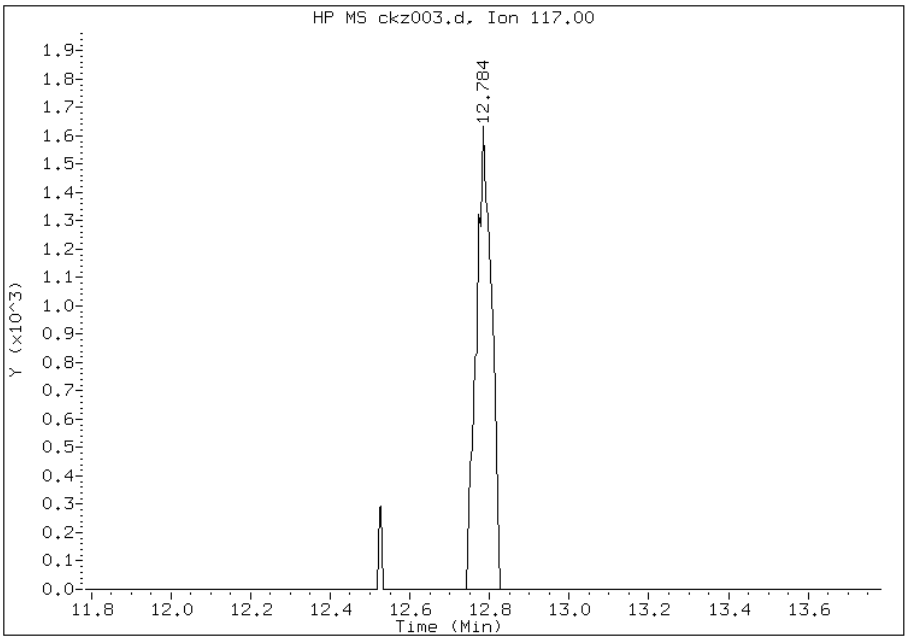
Manual Integration Results

RT: 12.78

Response: 4394

Amount: 0.042756

Conc: 0.042756



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz004.d
Lab Smp Id: ic 376683 Client Smp ID: ic 376683
Inj Date : 14-AUG-2012 19:07
Operator : wrd Inst ID: C.i
Smp Info : ic 376683
Misc Info : 200,1,level 1
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 19:07 Cal File: ckz004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	4.208	4.208	(0.348)	7668	0.20000	0.32(a)
2	Dichlorodifluoromethane	85	4.304	4.304	(0.356)	22274	0.20000	0.22(a)
3	Chlorodifluoromethane	51	4.357	4.363	(0.360)	12398	0.20000	0.25(a)
4	1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.385)	22087	0.20000	0.22
5	Chloromethane	50	4.811	4.811	(0.398)	7302	0.20000	0.26(a)
6	Butane	43	5.078	5.078	(0.420)	11274	0.20000	0.23(a)
7	Vinyl chloride	62	5.120	5.121	(0.424)	7480	0.20000	0.22
8	1,3-Butadiene	54	5.222	5.217	(0.432)	5285	0.20000	0.21
9	Bromomethane	94	6.012	6.012	(0.497)	7006	0.20000	0.21
10	Chloroethane	64	6.284	6.284	(0.520)	3751	0.20000	0.22(a)
11	2-Methylbutane	43	6.407	6.396	(0.530)	8346	0.20000	0.22
12	Vinyl bromide	106	6.732	6.727	(0.557)	7572	0.20000	0.21
13	Trichlorofluoromethane	101	6.855	6.860	(0.567)	22776	0.20000	0.22
14	Pentane	43	7.026	7.026	(0.581)	13017	0.20000	0.23(a)

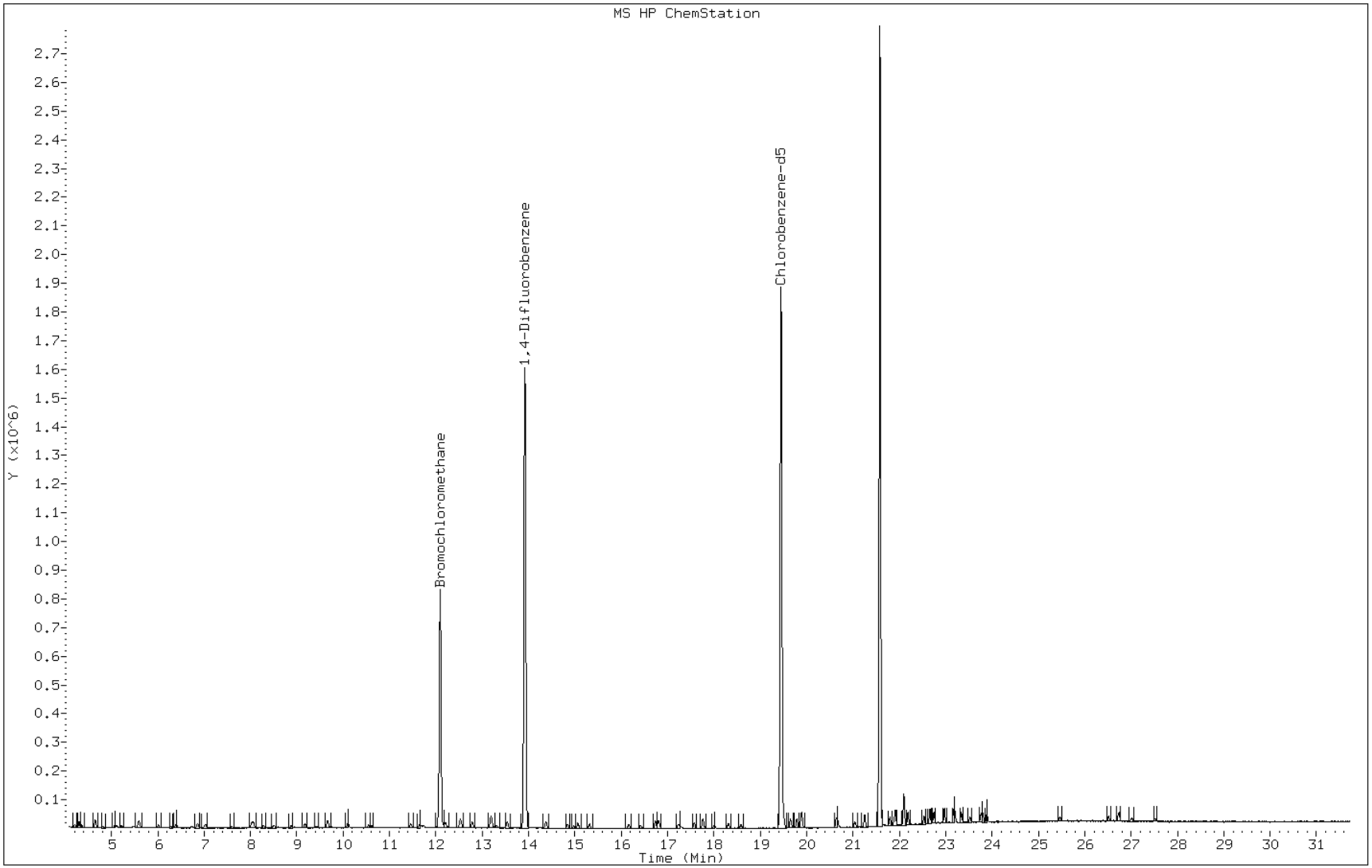
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.437	7.426	(0.615)	3994	0.20000	0.47(a)
	16 Ethyl ether	59	7.597	7.581	(0.628)	4436	0.20000	0.20
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.665)	15500	0.20000	0.21
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	8.072	8.072	(0.668)	7505	0.20000	0.22
	20 Acetone	43	8.280	8.269	(0.685)	15272	0.20000	0.38(a)
	21 Carbon disulfide	76	8.509	8.509	(0.704)	20593	0.20000	0.21(a)
	22 Isopropanol	45	8.600	8.573	(0.711)	6279	0.20000	0.22(a)
	23 Allyl chloride	41	8.878	8.883	(0.734)	8784	0.20000	0.21(a)
	24 Acetonitrile	41	8.952	8.942	(0.740)	4792	0.20000	0.29(aQM)
	25 Methylene chloride	49	9.177	9.177	(0.759)	10643	0.20000	0.31(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	9.662	9.641	(0.799)	20302	0.20000	0.21(M)
	28 1,2-Dichloroethene (trans)	61	9.662	9.668	(0.799)	10681	0.20000	0.21
	29 Acrylonitrile	53	9.753	9.748	(0.807)	3746	0.20000	0.19(a)
	30 n-Hexane	57	10.105	10.105	(0.836)	11659	0.20000	0.21
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	14225	0.20000	0.22
	32 Vinyl acetate	43	10.612	10.607	(0.878)	13279	0.20000	0.19(a)
M	33 1,2-Dichloroethene,Total	61				19943	0.40000	0.44
	34 1,2-Dichloroethene (cis)	96	11.648	11.653	(0.963)	9262	0.20000	0.23
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.685	11.674	(0.966)	2806	0.20000	0.18(aQ)
*	37 Bromochloromethane	128	12.091	12.096	(1.000)	364158	10.0000	
	38 Tetrahydrofuran	42	12.165	12.139	(0.874)	6743	0.20000	0.21(a)
	39 Chloroform	83	12.213	12.213	(1.010)	17381	0.20000	0.21
	40 Cyclohexane	84	12.539	12.544	(0.901)	11808	0.20000	0.21
	41 1,1,1-Trichloroethane	97	12.533	12.528	(0.900)	19132	0.20000	0.21
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	18719	0.20000	0.19(a)
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	37093	0.20000	0.21
	44 Benzene	78	13.190	13.190	(0.947)	26166	0.20000	0.22
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	11331	0.20000	0.21
	46 n-Heptane	43	13.542	13.542	(0.973)	13511	0.20000	0.21
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2033782	10.0000	
	48 n-Butanol	56	14.241	14.209	(1.023)	2579	0.20000	0.22(aM)
	49 Trichloroethene	95	14.369	14.375	(1.032)	11714	0.20000	0.21
	50 1,2-Dichloropropane	63	14.834	14.844	(1.066)	8471	0.20000	0.21
	51 Methyl methacrylate	69	14.972	14.972	(1.076)	4924	0.20000	0.14(a)
	52 Dibromomethane	174	15.063	15.069	(1.082)	9939	0.20000	0.19(a)
	53 1,4-Dioxane	88	15.058	15.042	(1.082)	2644	0.20000	0.19(a)
	54 Bromodichloromethane	83	15.314	15.319	(1.100)	16523	0.20000	0.19(a)
	55 1,3-Dichloropropene (cis)	75	16.157	16.163	(1.161)	12608	0.20000	0.19(a)
	56 Methyl isobutyl ketone	43	16.413	16.408	(1.179)	10187	0.20000	0.18(a)
	57 n-Octane	43	16.808	16.808	(1.207)	17820	0.20000	0.21(a)
	58 Toluene	92	16.739	16.734	(0.861)	17855	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	12235	0.20000	0.19(aM)
	60 1,1,2-Trichloroethane	83	17.572	17.577	(0.903)	8167	0.20000	0.20
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	16802	0.20000	0.20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.998	17.993	(0.925)	8993	0.20000	0.17(a)
63	Dibromochloromethane	129	18.313	18.313	(0.942)	14230	0.20000	0.16(a)
64	1,2-Dibromoethane	107	18.580	18.586	(0.955)	13995	0.20000	0.18(a)
* 65	Chlorobenzene-d5	117	19.450	19.450	(1.000)	1853926	10.0000	
66	Chlorobenzene	112	19.503	19.509	(1.003)	25629	0.20000	0.20
67	n-Nonane	57	19.792	19.792	(1.018)	16244	0.20000	0.20(M)
68	Ethylbenzene	91	19.653	19.653	(1.010)	36906	0.20000	0.20
69	Xylene (m,p)	106	19.893	19.893	(1.023)	29267	0.40000	0.38(a)
M 70	Xylenes, Total	106				42976	0.20000	0.56
71	Xylene (o)	106	20.646	20.646	(1.061)	13709	0.20000	0.18(a)
72	Styrene	104	20.672	20.678	(1.063)	15521	0.20000	0.15(a)
73	Bromoform	173	21.035	21.041	(1.081)	12464	0.20000	0.15(a)
74	Isopropylbenzene	105	21.249	21.254	(1.092)	39171	0.20000	0.18(a)
75	1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	18312	0.20000	0.19(a)
76	n-Propylbenzene	91	21.916	21.916	(1.127)	40576	0.20000	0.17(a)
77	1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	15948	0.20000	0.20(a)
78	n-Decane	57	22.097	22.097	(1.136)	16092	0.20000	0.17(a)
79	4-Ethyltoluene	105	22.092	22.092	(1.136)	32929	0.20000	0.16(a)
80	2-Chlorotoluene	91	22.103	22.103	(1.136)	35324	0.20000	0.20
81	1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	30668	0.20000	0.17(a)
82	Alpha Methyl Styrene	118	22.535	22.535	(1.159)	10162	0.20000	0.12(a)
83	tert-butylbenzene	119	22.658	22.658	(1.165)	31409	0.20000	0.17(a)
84	1,2,4-Trimethylbenzene	105	22.743	22.748	(1.169)	27852	0.20000	0.16(a)
85	sec-Butylbenzene	105	22.972	22.972	(1.181)	41489	0.20000	0.16(a)
86	4-Isopropyltoluene	119	23.170	23.170	(1.191)	31629	0.20000	0.14(a)
87	1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	20720	0.20000	0.17(a)
88	1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	19940	0.20000	0.17(a)
89	Benzyl chloride	91	23.527	23.522	(1.210)	18898	0.20000	0.14(a)
90	Undecane	57	23.800	23.805	(1.224)	12771	0.20000	0.15(a)
91	n-Butylbenzene	91	23.762	23.768	(1.222)	21909	0.20000	0.13(a)
92	1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	19010	0.20000	0.16(a)
93	Dodecane	57	25.465	25.465	(1.309)	7408	0.20000	0.15(aM)
94	1,2,4-Trichlorobenzene	180	26.511	26.516	(1.363)	8022	0.20000	0.16(a)
95	1,3-Hexachlorobutadiene	225	26.740	26.735	(1.375)	10984	0.20000	0.17(a)
96	Naphthalene	128	27.018	27.012	(1.389)	15507	0.20000	0.15(a)
97	1,2,3-Trichlorobenzene	180	27.509	27.514	(1.414)	6673	0.20000	0.17(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckz004.d	Date:	14-AUG-2012 19:07
Client ID:	ic 376683	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 376683		
Lab Sample ID:	ic 376683		



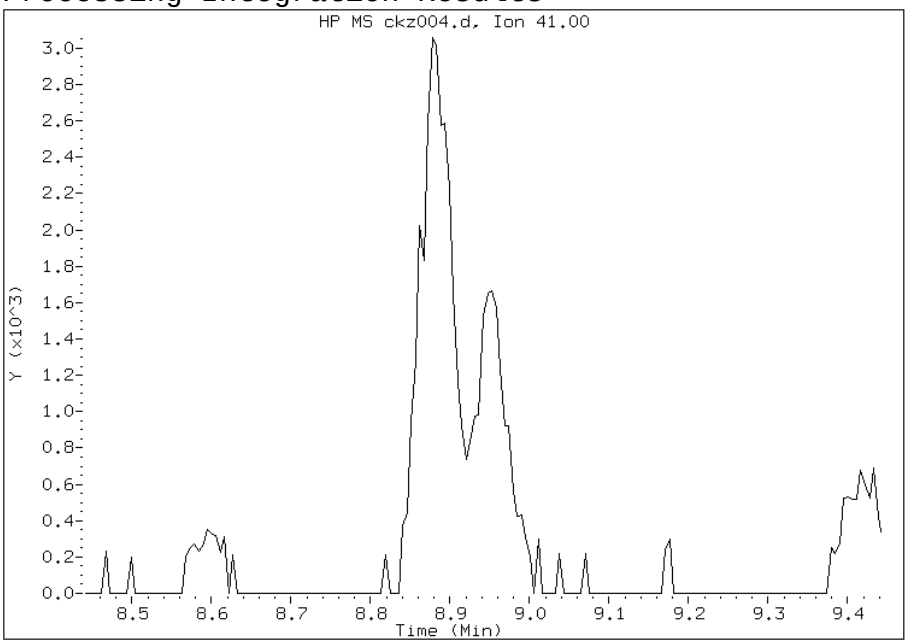
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 8.94



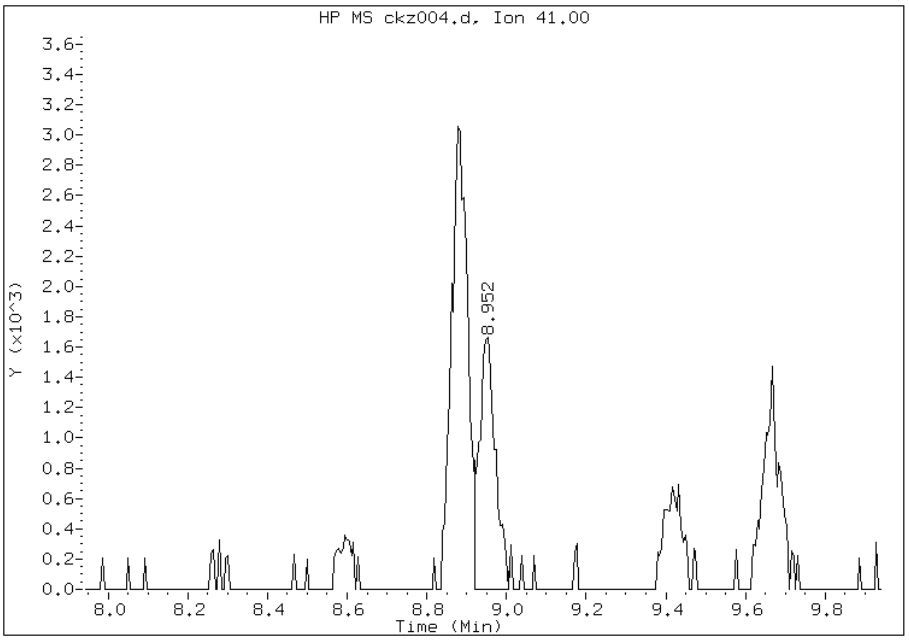
Manual Integration Results

RT: 8.95

Response: 4792

Amount: 0.290403

Conc: 0.290403



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

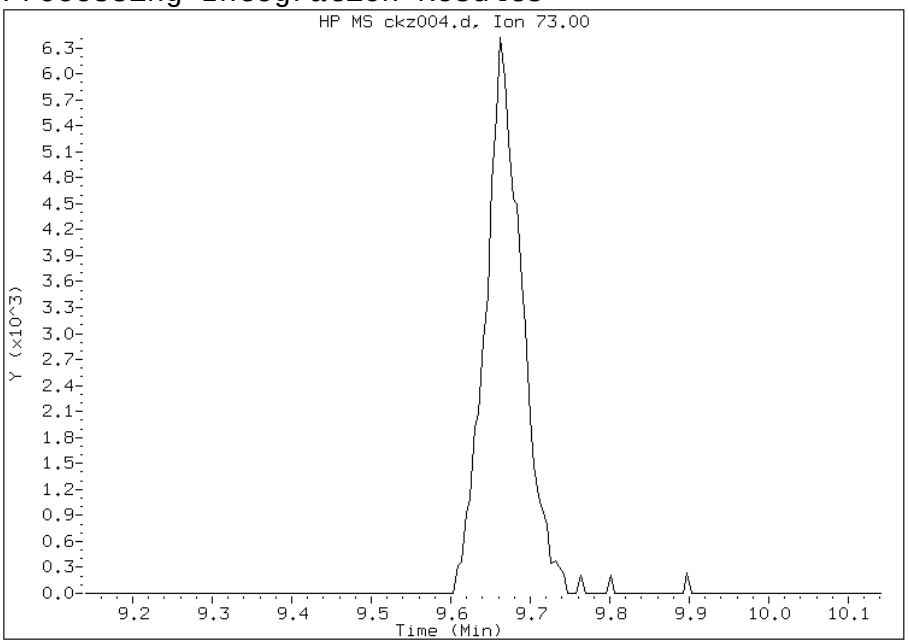
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 27 Methyl tert-butyl ether
CAS #: 1634-04-4
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 9.64



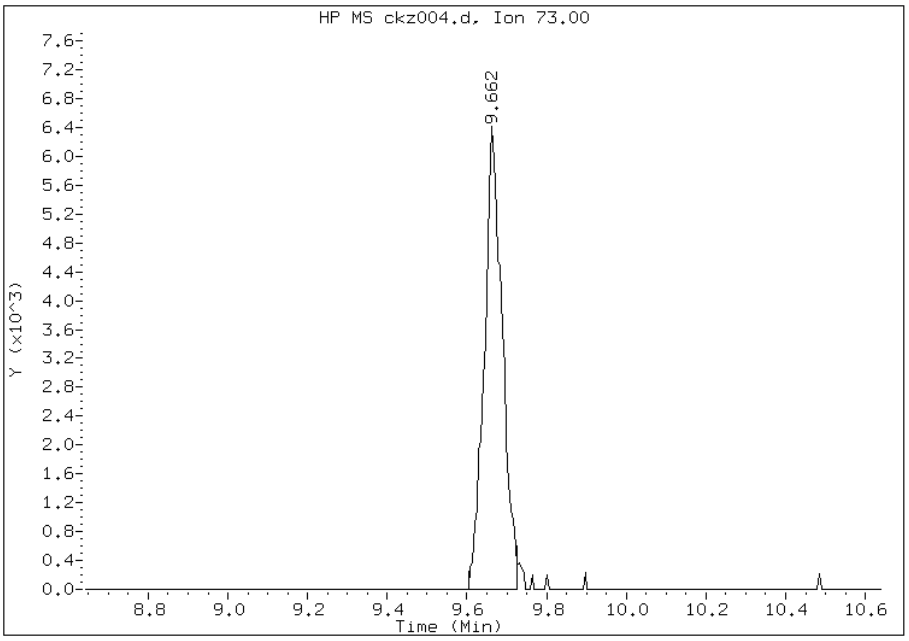
Manual Integration Results

RT: 9.66

Response: 20302

Amount: 0.210630

Conc: 0.210630



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 08/16/2012

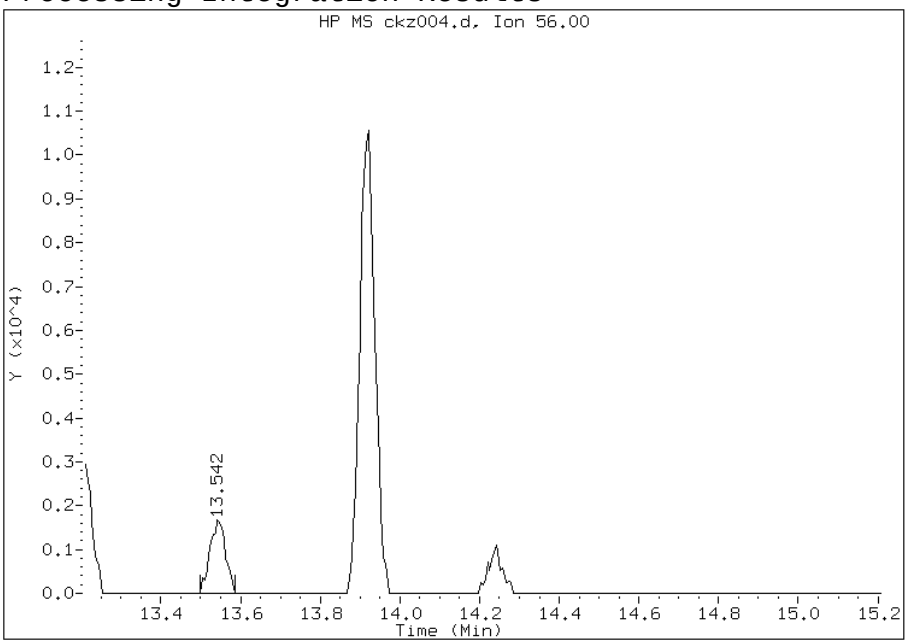
Processing Integration Results

RT: 13.54

Response: 4578

Amount: 0.371444

Conc: 0.371444



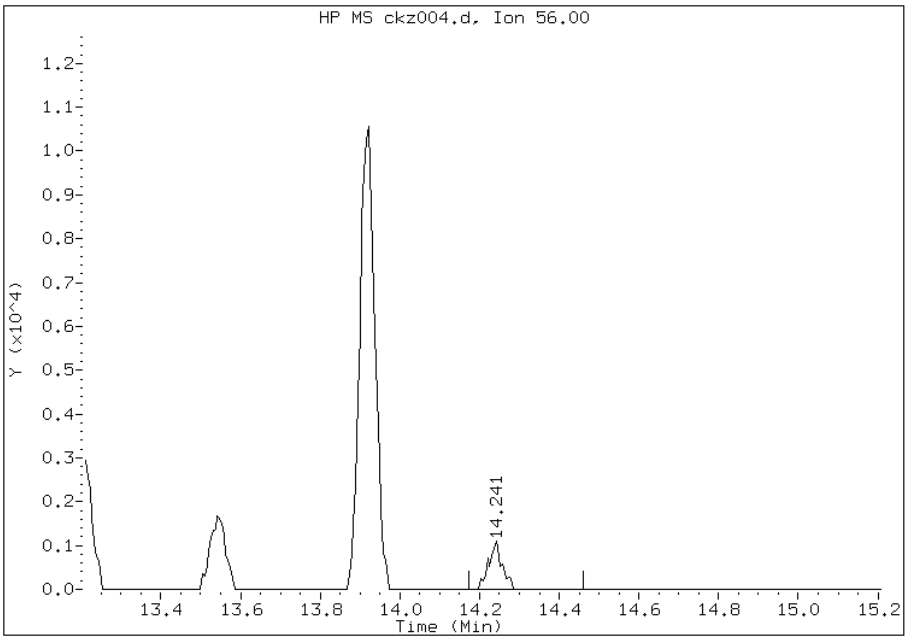
Manual Integration Results

RT: 14.24

Response: 2579

Amount: 0.219081

Conc: 0.219081



File Uploaded By: klp
Manual Integration Reason: Analyte misidentified by the data system

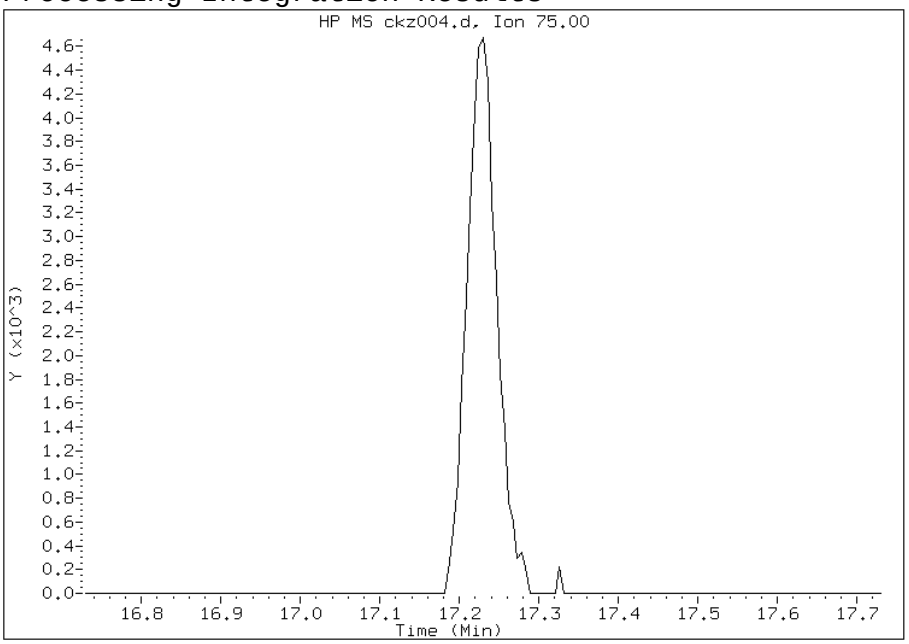
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 59 1,3-Dichloropropene (trans)
CAS #: 10061-02-6
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 17.23



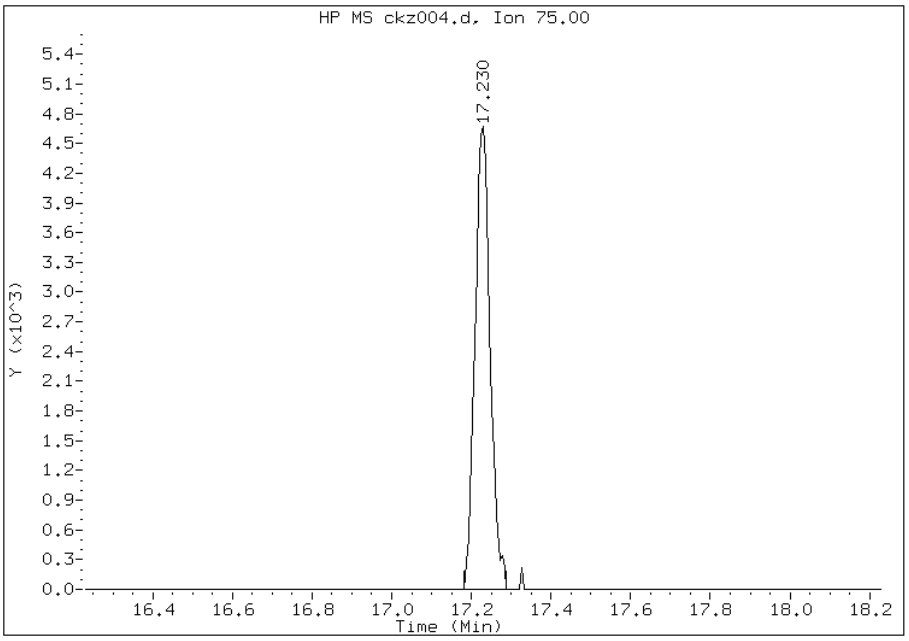
Manual Integration Results

RT: 17.23

Response: 12235

Amount: 0.187586

Conc: 0.187586



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

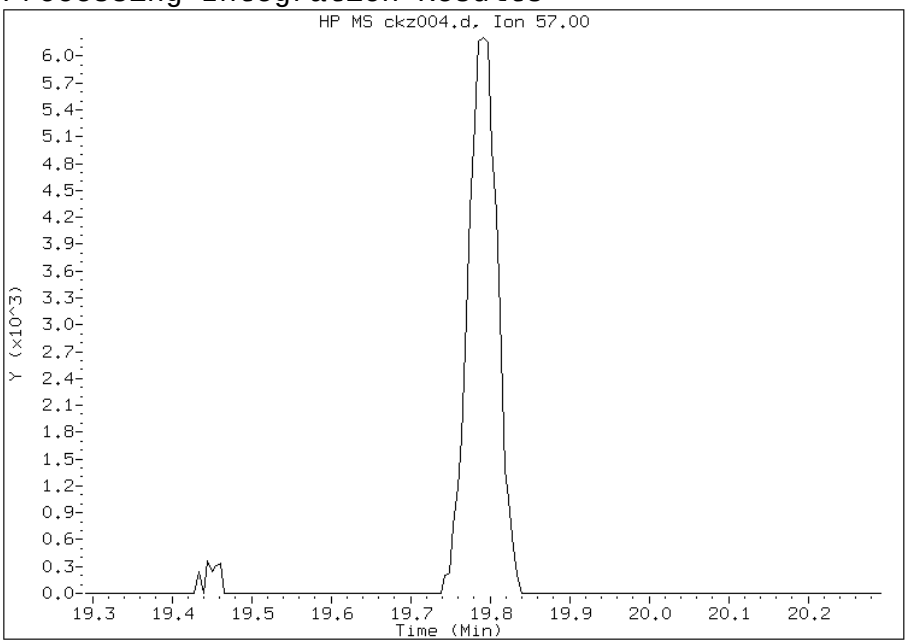
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 67 n-Nonane
CAS #: 111-84-2
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 19.79



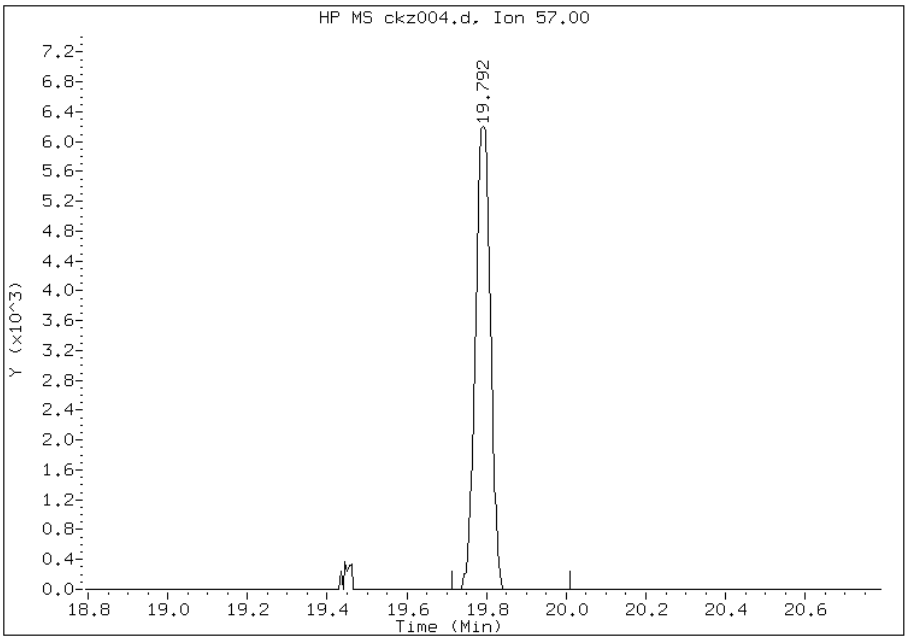
Manual Integration Results

RT: 19.79

Response: 16244

Amount: 0.199620

Conc: 0.199620



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

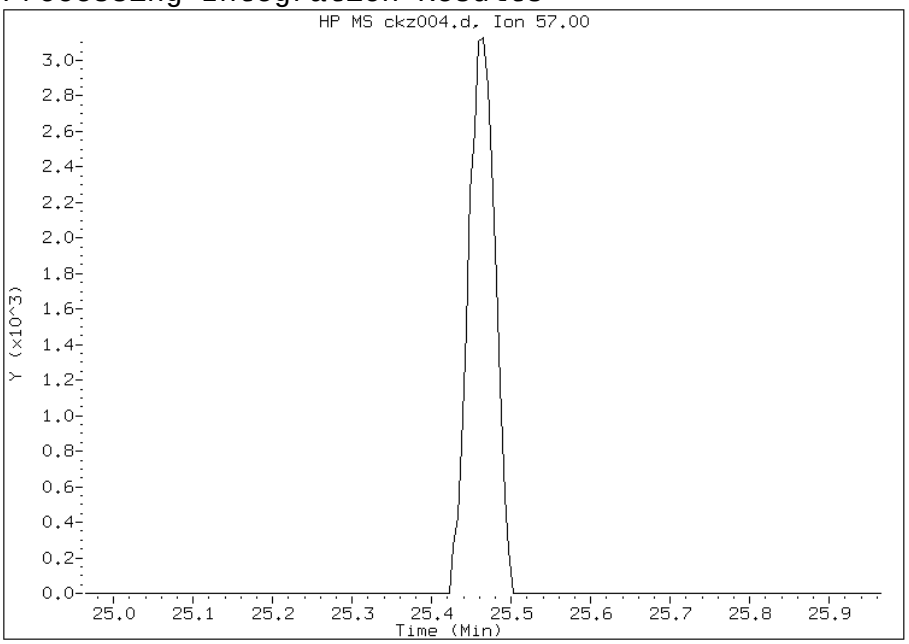
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 93 Dodecane
CAS #: 112-40-3
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 25.46



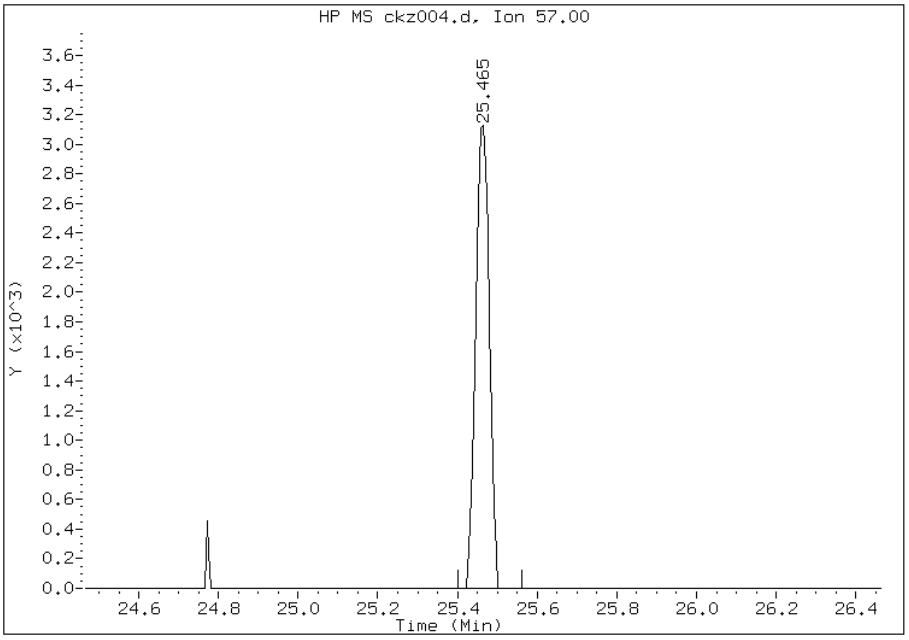
Manual Integration Results

RT: 25.46

Response: 7408

Amount: 0.151353

Conc: 0.151353



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz005.d
Lab Smp Id: ic 376702 Client Smp ID: ic 376702
Inj Date : 14-AUG-2012 20:00
Operator : wrd Inst ID: C.i
Smp Info : ic 376702
Misc Info : 200,1,level 2
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 20:00 Cal File: ckz005.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	4.208	4.208	(0.348)	13040	0.50000	0.57(a)
2	Dichlorodifluoromethane	85	4.299	4.304	(0.355)	54156	0.50000	0.56
3	Chlorodifluoromethane	51	4.363	4.363	(0.361)	28864	0.50000	0.59
4	1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.384)	50270	0.50000	0.51
5	Chloromethane	50	4.806	4.811	(0.397)	15529	0.50000	0.58
6	Butane	43	5.078	5.078	(0.420)	26294	0.50000	0.55
7	Vinyl chloride	62	5.120	5.121	(0.423)	16827	0.50000	0.50
8	1,3-Butadiene	54	5.216	5.217	(0.431)	12729	0.50000	0.53
9	Bromomethane	94	6.006	6.012	(0.497)	16245	0.50000	0.50
10	Chloroethane	64	6.284	6.284	(0.520)	8516	0.50000	0.51
11	2-Methylbutane	43	6.401	6.396	(0.529)	19836	0.50000	0.55
12	Vinyl bromide	106	6.727	6.727	(0.556)	17011	0.50000	0.50
13	Trichlorofluoromethane	101	6.860	6.860	(0.567)	54619	0.50000	0.54
14	Pentane	43	7.026	7.026	(0.581)	29541	0.50000	0.53

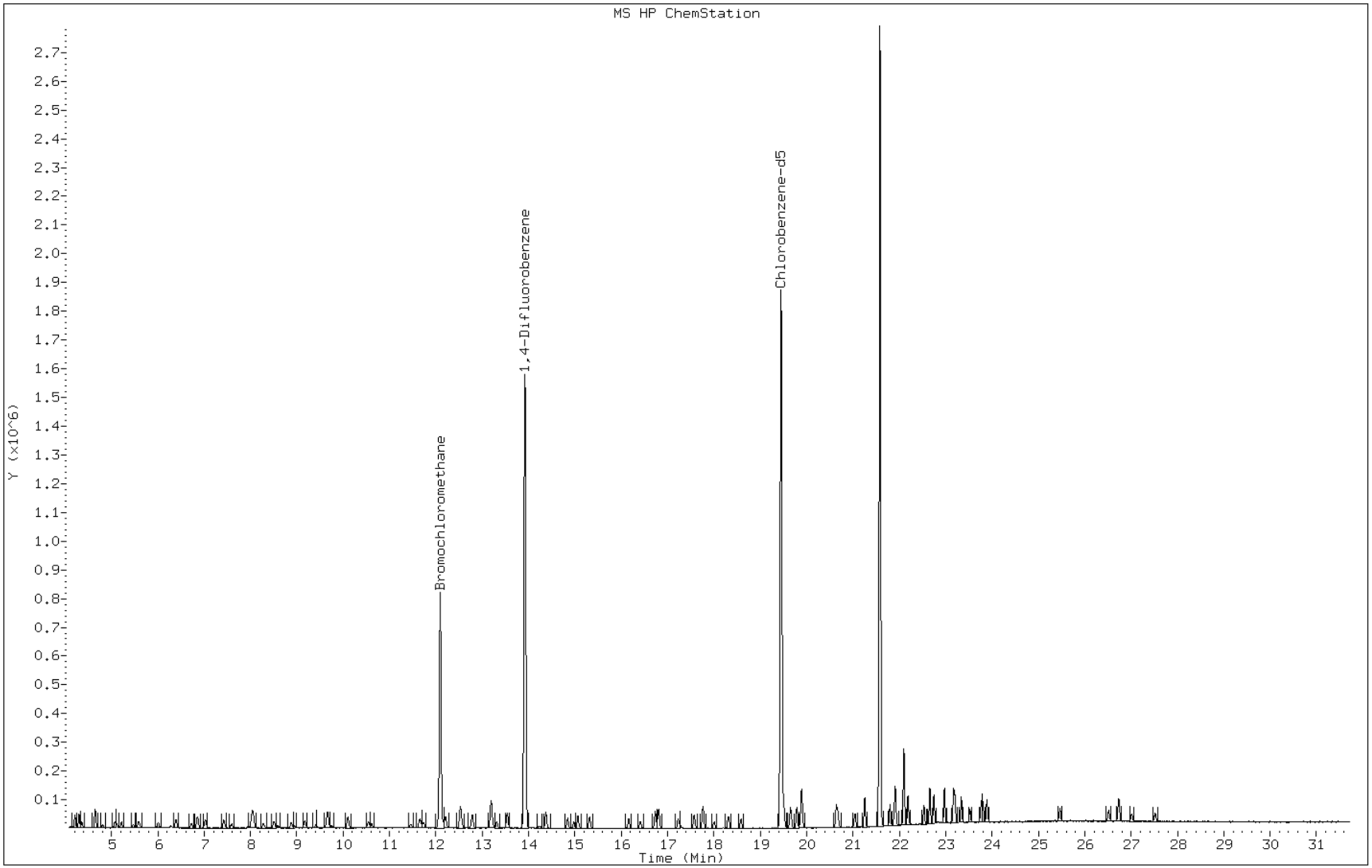
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	43784	5.00000	5.3
	16 Ethyl ether	59	7.597	7.581	(0.628)	10625	0.50000	0.50
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.664)	38654	0.50000	0.54
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	17040	0.50000	0.51
	20 Acetone	43	8.285	8.269	(0.685)	32006	0.50000	0.82(a)
	21 Carbon disulfide	76	8.509	8.509	(0.703)	47375	0.50000	0.50
	22 Isopropanol	45	8.595	8.573	(0.711)	14910	0.50000	0.55(a)
	23 Allyl chloride	41	8.883	8.883	(0.734)	20186	0.50000	0.51
	24 Acetonitrile	41	8.947	8.942	(0.740)	9123	0.50000	0.57(aQ)
	25 Methylene chloride	49	9.171	9.177	(0.758)	20407	0.50000	0.62
	26 Tert-butyl alcohol	59	9.422	9.390	(0.779)	21408	0.50000	0.52(a)
	27 Methyl tert-butyl ether	73	9.662	9.641	(0.799)	48116	0.50000	0.52
	28 1,2-Dichloroethene (trans)	61	9.667	9.668	(0.799)	25276	0.50000	0.51
	29 Acrylonitrile	53	9.742	9.748	(0.805)	8923	0.50000	0.47(a)
	30 n-Hexane	57	10.100	10.105	(0.835)	26975	0.50000	0.51
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	32811	0.50000	0.52
	32 Vinyl acetate	43	10.612	10.607	(0.877)	31238	0.50000	0.47(a)
M	33 1,2-Dichloroethene,Total	61				45942	1.00000	1.0
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	20666	0.50000	0.52
	35 Ethyl acetate	88	11.733	11.728	(0.970)	1236	0.50000	0.42(aQ)
	36 Methyl Ethyl Ketone	72	11.685	11.674	(0.966)	7573	0.50000	0.51
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	352356	10.0000	
	38 Tetrahydrofuran	42	12.154	12.139	(0.873)	16777	0.50000	0.54(a)
	39 Chloroform	83	12.213	12.213	(1.010)	40941	0.50000	0.52
	40 Cyclohexane	84	12.549	12.544	(0.901)	26715	0.50000	0.48
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	46194	0.50000	0.51
	42 Carbon tetrachloride	117	12.790	12.784	(0.919)	45880	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	85877	0.50000	0.49
	44 Benzene	78	13.190	13.190	(0.947)	58442	0.50000	0.50
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	27191	0.50000	0.52
	46 n-Heptane	43	13.542	13.542	(0.973)	31946	0.50000	0.51
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	1980290	10.0000	
	48 n-Butanol	56	14.236	14.209	(1.023)	5469	0.50000	0.48(aM)
	49 Trichloroethene	95	14.375	14.375	(1.033)	26365	0.50000	0.48
	50 1,2-Dichloropropane	63	14.839	14.844	(1.066)	18732	0.50000	0.48
	51 Methyl methacrylate	69	14.978	14.972	(1.076)	13183	0.50000	0.40(a)
	52 Dibromomethane	174	15.068	15.069	(1.082)	22730	0.50000	0.45
	53 1,4-Dioxane	88	15.058	15.042	(1.082)	6590	0.50000	0.47(a)
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	40315	0.50000	0.47
	55 1,3-Dichloropropene (cis)	75	16.162	16.163	(1.161)	30308	0.50000	0.47
	56 Methyl isobutyl ketone	43	16.419	16.408	(1.179)	25685	0.50000	0.46(a)
	57 n-Octane	43	16.803	16.808	(1.207)	42856	0.50000	0.51
	58 Toluene	92	16.734	16.734	(0.860)	41556	0.50000	0.47
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	28452	0.50000	0.45
	60 1,1,2-Trichloroethane	83	17.582	17.577	(0.904)	19172	0.50000	0.48
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	38008	0.50000	0.46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.998	17.993	(0.925)	22126	0.50000	0.43(a)
63	Dibromochloromethane	129	18.319	18.313	(0.942)	35839	0.50000	0.41
64	1,2-Dibromoethane	107	18.585	18.586	(0.956)	33697	0.50000	0.44
* 65	Chlorobenzene-d5	117	19.450	19.450	(1.000)	1830651	10.0000	
66	Chlorobenzene	112	19.509	19.509	(1.003)	59828	0.50000	0.47
67	n-Nonane	57	19.786	19.792	(1.017)	37379	0.50000	0.47
68	Ethylbenzene	91	19.658	19.653	(1.011)	84758	0.50000	0.46
69	Xylene (m,p)	106	19.893	19.893	(1.023)	68046	1.00000	0.88
M 70	Xylenes, Total	106				101660	0.50000	1.3
71	Xylene (o)	106	20.645	20.646	(1.061)	33614	0.50000	0.45
72	Styrene	104	20.683	20.678	(1.063)	37864	0.50000	0.36
73	Bromoform	173	21.046	21.041	(1.082)	30836	0.50000	0.37
74	Isopropylbenzene	105	21.254	21.254	(1.093)	94306	0.50000	0.44
75	1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	44322	0.50000	0.46
76	n-Propylbenzene	91	21.916	21.916	(1.127)	102048	0.50000	0.43
77	1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	36558	0.50000	0.47(a)
78	n-Decane	57	22.092	22.097	(1.136)	39442	0.50000	0.43(a)
79	4-Ethyltoluene	105	22.092	22.092	(1.136)	85543	0.50000	0.41
80	2-Chlorotoluene	91	22.102	22.103	(1.136)	80335	0.50000	0.45
81	1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	75673	0.50000	0.42
82	Alpha Methyl Styrene	118	22.535	22.535	(1.159)	26719	0.50000	0.32
83	tert-butylbenzene	119	22.657	22.658	(1.165)	79610	0.50000	0.44
84	1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	68858	0.50000	0.40
85	sec-Butylbenzene	105	22.972	22.972	(1.181)	105849	0.50000	0.42
86	4-Isopropyltoluene	119	23.170	23.170	(1.191)	83572	0.50000	0.39
87	1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	49495	0.50000	0.40
88	1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	47456	0.50000	0.40
89	Benzyl chloride	91	23.527	23.522	(1.210)	43600	0.50000	0.34
90	Undecane	57	23.805	23.805	(1.224)	30330	0.50000	0.36(a)
91	n-Butylbenzene	91	23.762	23.768	(1.222)	55935	0.50000	0.35
92	1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	45888	0.50000	0.40
93	Dodecane	57	25.459	25.465	(1.309)	20571	0.50000	0.43(a)
94	1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	20429	0.50000	0.40(a)
95	1,3-Hexachlorobutadiene	225	26.730	26.735	(1.374)	26553	0.50000	0.41
96	Naphthalene	128	27.012	27.012	(1.389)	37078	0.50000	0.37(a)
97	1,2,3-Trichlorobenzene	180	27.525	27.514	(1.415)	16918	0.50000	0.43

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckz005.d	Date:	14-AUG-2012 20:00
Client ID:	ic 376702	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 376702		
Lab Sample ID:	ic 376702		



Manual Integration Report

Data File: ckz005.d
Lab Sample ID: ic 376702
Inj. Date and Time: 14-AUG-2012 20:00
Instrument ID: C.i
Client ID: ic 376702
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 08/16/2012

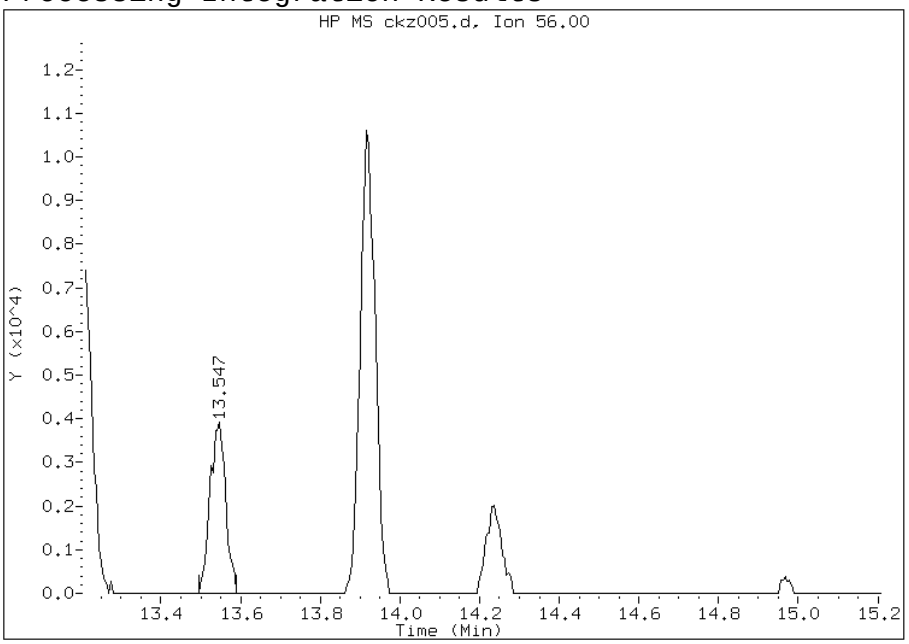
Processing Integration Results

RT: 13.55

Response: 10724

Amount: 0.893615

Conc: 0.893615



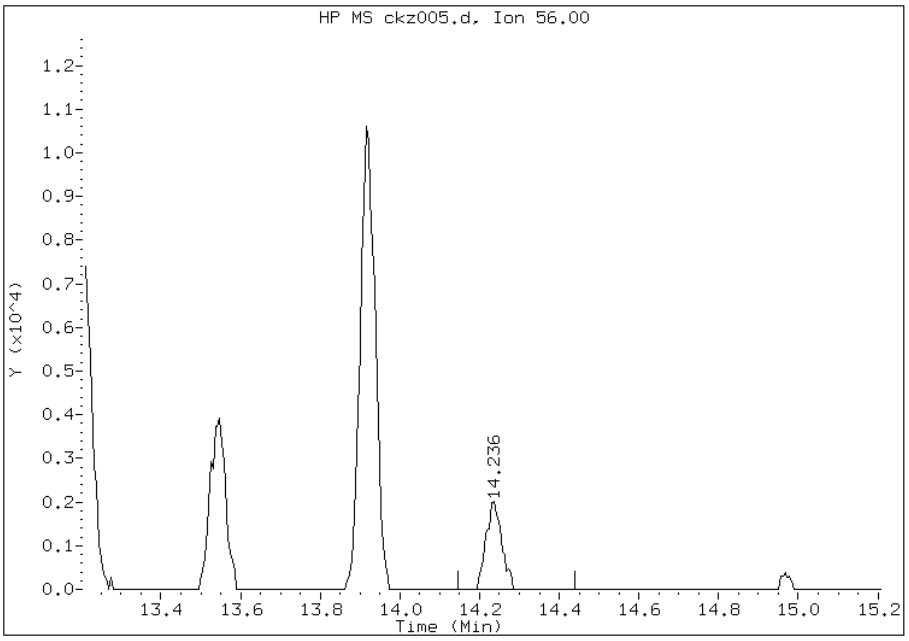
Manual Integration Results

RT: 14.24

Response: 5469

Amount: 0.477130

Conc: 0.477130



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz006.d
Lab Smp Id: ic 370619 Client Smp ID: ic 370619
Inj Date : 14-AUG-2012 20:53
Operator : wrd Inst ID: C.i
Smp Info : ic 370619
Misc Info : 200,1,level 3
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 20:53 Cal File: ckz006.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	127364	5.00000	5.5
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	524916	5.00000	5.4
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	267662	5.00000	5.4
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	517629	5.00000	5.2
5 Chloromethane	50	4.816	4.811	(0.398)	146550	5.00000	5.4
6 Butane	43	5.083	5.078	(0.420)	263379	5.00000	5.5
7 Vinyl chloride	62	5.126	5.121	(0.424)	175401	5.00000	5.2
8 1,3-Butadiene	54	5.222	5.217	(0.432)	128623	5.00000	5.3
9 Bromomethane	94	6.012	6.012	(0.497)	164502	5.00000	5.1
10 Chloroethane	64	6.284	6.284	(0.520)	89570	5.00000	5.3
11 2-Methylbutane	43	6.396	6.396	(0.529)	195472	5.00000	5.3
12 Vinyl bromide	106	6.727	6.727	(0.556)	172557	5.00000	5.0
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	547854	5.00000	5.3
14 Pentane	43	7.026	7.026	(0.581)	301630	5.00000	5.4

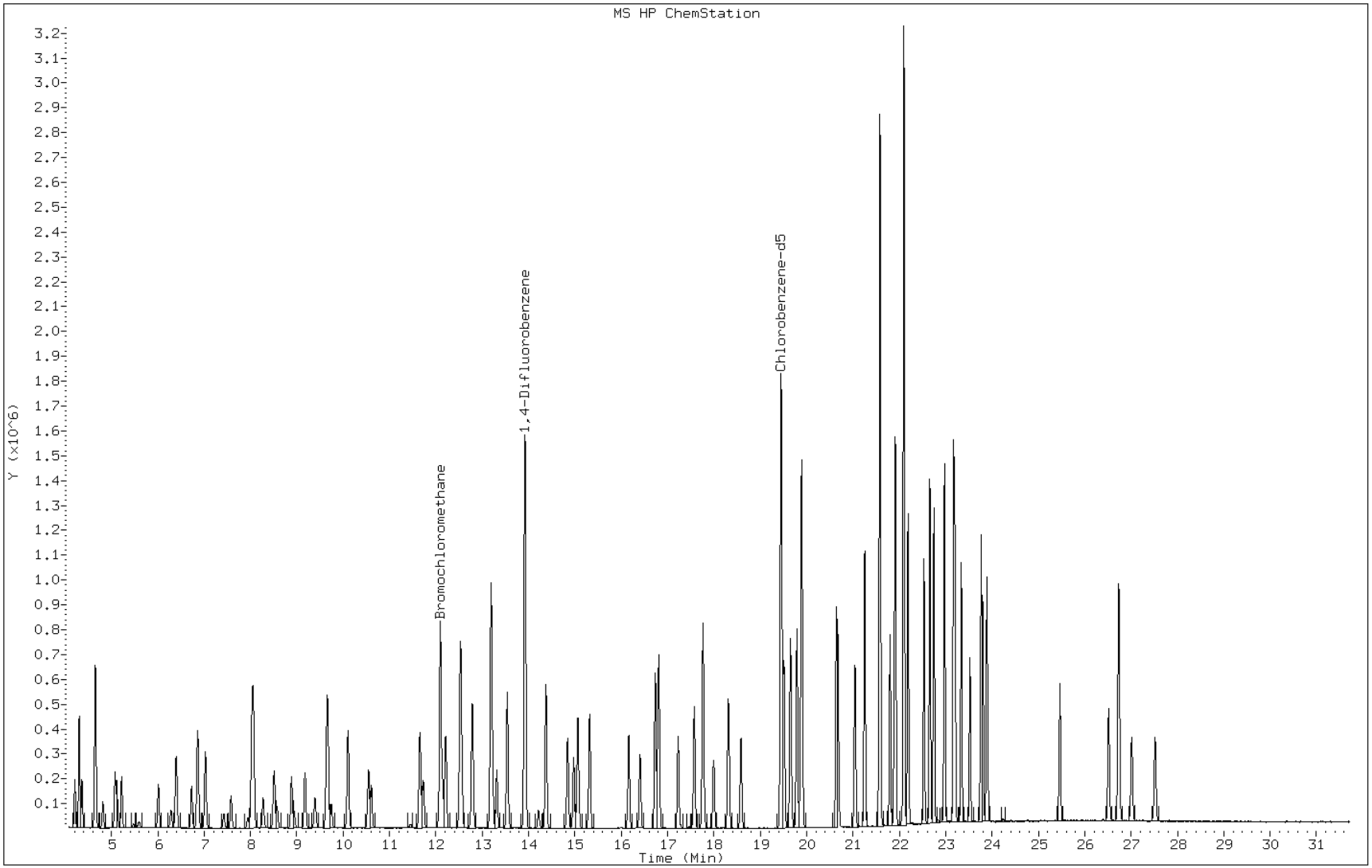
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	90045	10.0000	11
	16 Ethyl ether	59	7.581	7.581	(0.627)	111163	5.00000	5.2
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	365245	5.00000	5.1
	18 Acrolein	56	7.938	7.938	(0.656)	51122	5.00000	5.1
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	169248	5.00000	5.0
	20 Acetone	43	8.275	8.269	(0.684)	220856	5.00000	5.6
	21 Carbon disulfide	76	8.509	8.509	(0.704)	489232	5.00000	5.2
	22 Isopropanol	45	8.579	8.573	(0.709)	156350	5.00000	5.7
	23 Allyl chloride	41	8.883	8.883	(0.734)	210440	5.00000	5.3
	24 Acetonitrile	41	8.942	8.942	(0.739)	86464	5.00000	5.4
	25 Methylene chloride	49	9.177	9.177	(0.759)	177376	5.00000	5.3
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	234420	5.00000	5.6
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	483116	5.00000	5.1
	28 1,2-Dichloroethene (trans)	61	9.668	9.668	(0.799)	266907	5.00000	5.4
	29 Acrylonitrile	53	9.748	9.748	(0.806)	101040	5.00000	5.3
	30 n-Hexane	57	10.105	10.105	(0.835)	283502	5.00000	5.3
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	337595	5.00000	5.3
	32 Vinyl acetate	43	10.612	10.607	(0.877)	350751	5.00000	5.2
M	33 1,2-Dichloroethene,Total	61				463659	10.0000	10
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	196752	5.00000	5.0
	35 Ethyl acetate	88	11.733	11.728	(0.970)	14712	5.00000	5.0
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	75894	5.00000	5.1
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	355121	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	165101	5.00000	5.3
	39 Chloroform	83	12.213	12.213	(1.010)	417596	5.00000	5.3
	40 Cyclohexane	84	12.544	12.544	(0.901)	279394	5.00000	5.0
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	473681	5.00000	5.2
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	498385	5.00000	5.2
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	907351	5.00000	5.2
	44 Benzene	78	13.190	13.190	(0.947)	586751	5.00000	5.0
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	283185	5.00000	5.3
	46 n-Heptane	43	13.542	13.542	(0.973)	331000	5.00000	5.3
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	1990694	10.0000	
	48 n-Butanol	56	14.215	14.209	(1.021)	60155	5.00000	5.2
	49 Trichloroethene	95	14.375	14.375	(1.033)	277869	5.00000	5.0
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	202786	5.00000	5.2
	51 Methyl methacrylate	69	14.972	14.972	(1.076)	163651	5.00000	4.9
	52 Dibromomethane	174	15.068	15.069	(1.082)	251523	5.00000	5.0
	53 1,4-Dioxane	88	15.047	15.042	(1.081)	74196	5.00000	5.3
	54 Bromodichloromethane	83	15.314	15.319	(1.100)	461707	5.00000	5.3
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	332086	5.00000	5.2
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.178)	292876	5.00000	5.3
	57 n-Octane	43	16.808	16.808	(1.207)	454106	5.00000	5.4
	58 Toluene	92	16.734	16.734	(0.860)	439755	5.00000	5.2
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	329846	5.00000	5.2
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	199746	5.00000	5.2
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	405766	5.00000	5.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	265661	5.00000	5.3
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	450291	5.00000	5.3
	64 1,2-Dibromoethane	107	18.586	18.586	(0.956)	392787	5.00000	5.3
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	1779197	10.0000	
	66 Chlorobenzene	112	19.503	19.509	(1.003)	630032	5.00000	5.1
	67 n-Nonane	57	19.792	19.792	(1.018)	414432	5.00000	5.3
	68 Ethylbenzene	91	19.653	19.653	(1.010)	907186	5.00000	5.1
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	759733	10.0000	10
M	70 Xylenes, Total	106				1129585	5.00000	15
	71 Xylene (o)	106	20.646	20.646	(1.061)	369852	5.00000	5.1
	72 Styrene	104	20.678	20.678	(1.063)	524148	5.00000	5.1
	73 Bromoform	173	21.040	21.041	(1.082)	434651	5.00000	5.3
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	1062326	5.00000	5.1
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	488992	5.00000	5.2
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	1215235	5.00000	5.2
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	400659	5.00000	5.3
	78 n-Decane	57	22.092	22.097	(1.136)	493744	5.00000	5.6
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	1063720	5.00000	5.3
	80 2-Chlorotoluene	91	22.103	22.103	(1.136)	912240	5.00000	5.3
	81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	909268	5.00000	5.2
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	432507	5.00000	5.3
	83 tert-butylbenzene	119	22.658	22.658	(1.165)	911084	5.00000	5.2
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	894230	5.00000	5.3
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	1302558	5.00000	5.3
	86 4-Isopropyltoluene	119	23.170	23.170	(1.191)	1109988	5.00000	5.3
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	610301	5.00000	5.1
	88 1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	584758	5.00000	5.1
	89 Benzyl chloride	91	23.522	23.522	(1.209)	634101	5.00000	5.1
	90 Undecane	57	23.805	23.805	(1.224)	376487	5.00000	4.6(a)
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	837955	5.00000	5.3
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	573557	5.00000	5.2
	93 Dodecane	57	25.465	25.465	(1.309)	265689	5.00000	5.7
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	258080	5.00000	5.2
	95 1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	339968	5.00000	5.4
	96 Naphthalene	128	27.012	27.012	(1.389)	511479	5.00000	5.2
	97 1,2,3-Trichlorobenzene	180	27.519	27.514	(1.415)	208922	5.00000	5.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	ckz006.d	Date:	14-AUG-2012 20:53
Client ID:	ic 370619	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370619		
Lab Sample ID:	ic 370619		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz008.d
Lab Smp Id: ic 370603 Client Smp ID: ic 370603
Inj Date : 14-AUG-2012 22:41
Operator : wrd Inst ID: C.i
Smp Info : ic 370603
Misc Info : 200,1,level 5
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 22:41 Cal File: ckz008.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

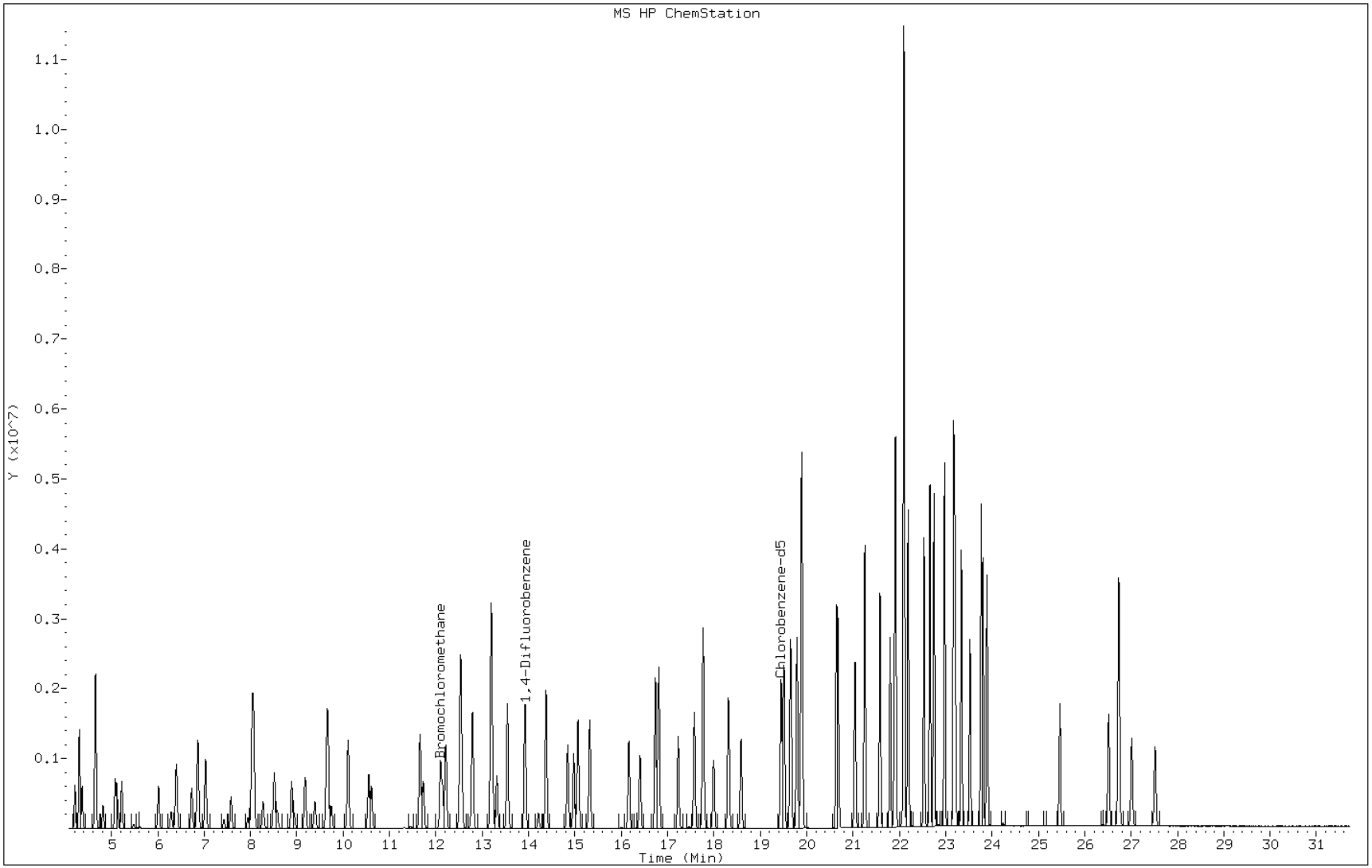
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	4.213	4.208	(0.348)	393566	15.0000	15
2	Dichlorodifluoromethane	85	4.309	4.304	(0.356)	1687394	15.0000	15
3	Chlorodifluoromethane	51	4.368	4.363	(0.361)	840224	15.0000	15
4	1,2-Dichloro-1,1,2,2-tetraflu	85	4.656	4.651	(0.385)	1747564	15.0000	15
5	Chloromethane	50	4.816	4.811	(0.398)	466665	15.0000	15
6	Butane	43	5.083	5.078	(0.420)	840295	15.0000	15
7	Vinyl chloride	62	5.126	5.121	(0.424)	586988	15.0000	15
8	1,3-Butadiene	54	5.222	5.217	(0.432)	428417	15.0000	15
9	Bromomethane	94	6.017	6.012	(0.497)	569942	15.0000	15
10	Chloroethane	64	6.289	6.284	(0.520)	302553	15.0000	15
11	2-Methylbutane	43	6.401	6.396	(0.529)	622540	15.0000	14
12	Vinyl bromide	106	6.732	6.727	(0.557)	611435	15.0000	15
13	Trichlorofluoromethane	101	6.860	6.860	(0.567)	1783517	15.0000	15
14	Pentane	43	7.031	7.026	(0.581)	986163	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	195794	20.0000	20
	16 Ethyl ether	59	7.581	7.581	(0.627)	386647	15.0000	15
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	1247555	15.0000	15
	18 Acrolein	56	7.944	7.938	(0.657)	185751	15.0000	16
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	590970	15.0000	15
	20 Acetone	43	8.269	8.269	(0.684)	695313	15.0000	15
	21 Carbon disulfide	76	8.515	8.509	(0.704)	1679909	15.0000	15
	22 Isopropanol	45	8.579	8.573	(0.709)	491424	15.0000	15
	23 Allyl chloride	41	8.888	8.883	(0.735)	708216	15.0000	15
	24 Acetonitrile	41	8.947	8.942	(0.740)	308270	15.0000	16
	25 Methylene chloride	49	9.182	9.177	(0.759)	564476	15.0000	14
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	736341	15.0000	15
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	1691850	15.0000	15
	28 1,2-Dichloroethene (trans)	61	9.668	9.668	(0.799)	878373	15.0000	15
	29 Acrylonitrile	53	9.742	9.748	(0.805)	352996	15.0000	16
	30 n-Hexane	57	10.105	10.105	(0.835)	943974	15.0000	15
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	1108709	15.0000	15
	32 Vinyl acetate	43	10.612	10.607	(0.877)	1239854	15.0000	16
M	33 1,2-Dichloroethene,Total	61				1557949	30.0000	30
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	679576	15.0000	15
	35 Ethyl acetate	88	11.733	11.728	(0.970)	53550	15.0000	16
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	270226	15.0000	15
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	416789	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	555906	15.0000	15
	39 Chloroform	83	12.213	12.213	(1.010)	1384145	15.0000	15
	40 Cyclohexane	84	12.544	12.544	(0.901)	969727	15.0000	15
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	1556934	15.0000	15
	42 Carbon tetrachloride	117	12.790	12.784	(0.918)	1670958	15.0000	15
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	3023710	15.0000	15
	44 Benzene	78	13.195	13.190	(0.947)	2008021	15.0000	15
	45 1,2-Dichloroethane	62	13.318	13.318	(0.956)	905678	15.0000	15
	46 n-Heptane	43	13.547	13.542	(0.973)	1066712	15.0000	15
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2307077	10.0000	
	48 n-Butanol	56	14.215	14.209	(1.021)	189079	15.0000	14
	49 Trichloroethene	95	14.380	14.375	(1.033)	947186	15.0000	15
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	680514	15.0000	15
	51 Methyl methacrylate	69	14.972	14.972	(1.075)	623788	15.0000	16
	52 Dibromomethane	174	15.069	15.069	(1.082)	905001	15.0000	15
	53 1,4-Dioxane	88	15.047	15.042	(1.080)	246521	15.0000	15
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	1555426	15.0000	15
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	1150398	15.0000	15
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.178)	1032913	15.0000	16
	57 n-Octane	43	16.808	16.808	(1.207)	1463679	15.0000	15
	58 Toluene	92	16.739	16.734	(0.861)	1532941	15.0000	15
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	1166001	15.0000	16
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	691388	15.0000	15
	61 Tetrachloroethene	166	17.769	17.764	(0.914)	1450848	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	944792	15.0000	16
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	1641809	15.0000	16
	64 1,2-Dibromoethane	107	18.586	18.586	(0.956)	1399518	15.0000	16
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	2113823	10.0000	
	66 Chlorobenzene	112	19.509	19.509	(1.003)	2246719	15.0000	15
	67 n-Nonane	57	19.792	19.792	(1.018)	1435289	15.0000	15
	68 Ethylbenzene	91	19.658	19.653	(1.011)	3302057	15.0000	15
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	2823904	30.0000	32
M	70 Xylenes, Total	106				4192071	15.0000	48
	71 Xylene (o)	106	20.646	20.646	(1.061)	1368167	15.0000	16
	72 Styrene	104	20.678	20.678	(1.063)	2075226	15.0000	17
	73 Bromoform	173	21.046	21.041	(1.082)	1659606	15.0000	17
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	3947303	15.0000	16
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	1773677	15.0000	16
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	4524580	15.0000	16
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	1415521	15.0000	16
	78 n-Decane	57	22.097	22.097	(1.136)	1716815	15.0000	16
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	4036789	15.0000	17
	80 2-Chlorotoluene	91	22.103	22.103	(1.136)	3245736	15.0000	16
	81 1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	3400461	15.0000	16
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	1719742	15.0000	18
	83 tert-butylbenzene	119	22.663	22.658	(1.165)	3380018	15.0000	16
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	3368303	15.0000	17
	85 sec-Butylbenzene	105	22.978	22.972	(1.181)	4835073	15.0000	16
	86 4-Isopropyltoluene	119	23.175	23.170	(1.192)	4254247	15.0000	17
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	2329856	15.0000	16
	88 1,4-Dichlorobenzene	146	23.341	23.335	(1.200)	2258369	15.0000	16
	89 Benzyl chloride	91	23.527	23.522	(1.210)	2604019	15.0000	18
	90 Undecane	57	23.805	23.805	(1.224)	1633244	15.0000	17
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	3339168	15.0000	18
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	2181647	15.0000	17
	93 Dodecane	57	25.465	25.465	(1.309)	857889	15.0000	15
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	934260	15.0000	16
	95 1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	1271862	15.0000	17
	96 Naphthalene	128	27.012	27.012	(1.389)	1889409	15.0000	16
	97 1,2,3-Trichlorobenzene	180	27.520	27.514	(1.415)	729064	15.0000	16

Data File:	ckz008.d	Date:	14-AUG-2012 22:41
Client ID:	ic 370603	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370603		
Lab Sample ID:	ic 370603		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz009.d
Lab Smp Id: ic 370601 Client Smp ID: ic 370601
Inj Date : 14-AUG-2012 23:34
Operator : wrd Inst ID: C.i
Smp Info : ic 370601
Misc Info : 200,1,level 6
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 23:34 Cal File: ckz009.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

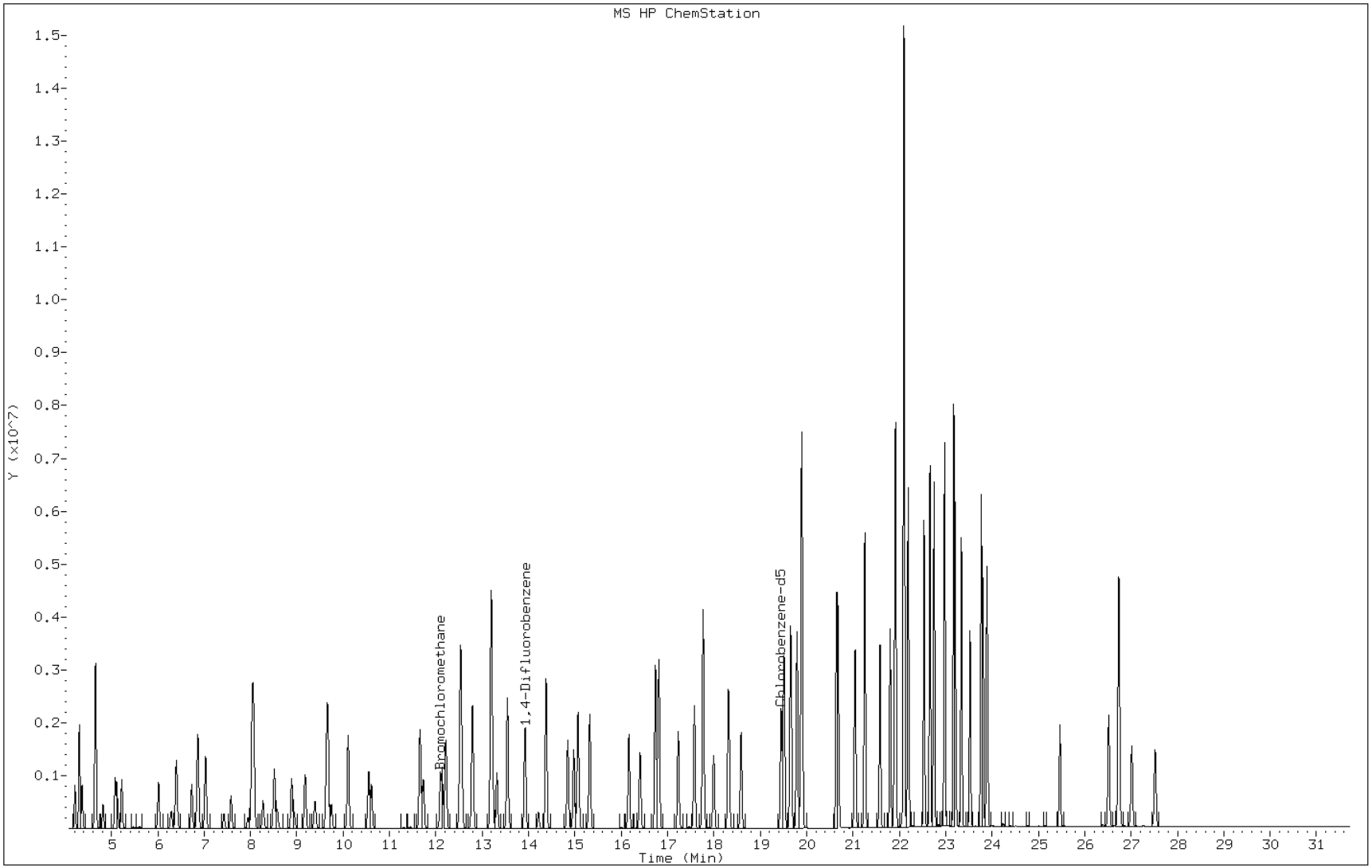
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	536817	20.0000	18
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	2373061	20.0000	19
3 Chlorodifluoromethane	51	4.368	4.363	(0.361)	1148663	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.656	4.651	(0.385)	2457381	20.0000	19
5 Chloromethane	50	4.816	4.811	(0.398)	642841	20.0000	18
6 Butane	43	5.083	5.078	(0.420)	1136393	20.0000	18
7 Vinyl chloride	62	5.126	5.121	(0.424)	817235	20.0000	19
8 1,3-Butadiene	54	5.222	5.217	(0.432)	594316	20.0000	19
9 Bromomethane	94	6.017	6.012	(0.497)	828656	20.0000	20
10 Chloroethane	64	6.289	6.284	(0.520)	423646	20.0000	19
11 2-Methylbutane	43	6.401	6.396	(0.529)	867881	20.0000	18
12 Vinyl bromide	106	6.732	6.727	(0.556)	887634	20.0000	20
13 Trichlorofluoromethane	101	6.866	6.860	(0.567)	2496706	20.0000	19
14 Pentane	43	7.031	7.026	(0.581)	1363630	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.431	7.426	(0.614)	423287	40.0000	40
	16 Ethyl ether	59	7.581	7.581	(0.626)	539131	20.0000	20
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.664)	1785541	20.0000	19
	18 Acrolein	56	7.944	7.938	(0.656)	256344	20.0000	20
	19 1,1-Dichloroethene	96	8.077	8.072	(0.667)	845197	20.0000	19
	20 Acetone	43	8.269	8.269	(0.683)	929650	20.0000	18
	21 Carbon disulfide	76	8.515	8.509	(0.704)	2418141	20.0000	20
	22 Isopropanol	45	8.579	8.573	(0.709)	682994	20.0000	19
	23 Allyl chloride	41	8.888	8.883	(0.734)	979703	20.0000	19
	24 Acetonitrile	41	8.947	8.942	(0.739)	377267	20.0000	18
	25 Methylene chloride	49	9.182	9.177	(0.759)	785574	20.0000	18
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	1011441	20.0000	19
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	2358384	20.0000	20
	28 1,2-Dichloroethene (trans)	61	9.667	9.668	(0.799)	1221256	20.0000	19
	29 Acrylonitrile	53	9.748	9.748	(0.806)	489994	20.0000	20
	30 n-Hexane	57	10.105	10.105	(0.835)	1328827	20.0000	19
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	1557111	20.0000	19
	32 Vinyl acetate	43	10.612	10.607	(0.877)	1709438	20.0000	20
M	33 1,2-Dichloroethene,Total	61				2203606	40.0000	38
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	982350	20.0000	19
	35 Ethyl acetate	88	11.728	11.728	(0.969)	76824	20.0000	20
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	383108	20.0000	20
*	37 Bromochloromethane	128	12.101	12.096	(1.000)	456908	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	761622	20.0000	19
	39 Chloroform	83	12.213	12.213	(1.009)	1948138	20.0000	19
	40 Cyclohexane	84	12.549	12.544	(0.901)	1382842	20.0000	20
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	2183499	20.0000	19
	42 Carbon tetrachloride	117	12.790	12.784	(0.918)	2345482	20.0000	19
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	4262374	20.0000	19
	44 Benzene	78	13.195	13.190	(0.947)	2874734	20.0000	19
	45 1,2-Dichloroethane	62	13.318	13.318	(0.956)	1254053	20.0000	19
	46 n-Heptane	43	13.547	13.542	(0.973)	1481103	20.0000	19
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2508517	10.0000	
	48 n-Butanol	56	14.215	14.209	(1.021)	272944	20.0000	19
	49 Trichloroethene	95	14.380	14.375	(1.033)	1365930	20.0000	20
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	969733	20.0000	20
	51 Methyl methacrylate	69	14.972	14.972	(1.075)	894560	20.0000	21
	52 Dibromomethane	174	15.068	15.069	(1.082)	1316604	20.0000	21
	53 1,4-Dioxane	88	15.042	15.042	(1.080)	350811	20.0000	20
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	2191881	20.0000	20
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	1632459	20.0000	20
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.178)	1403370	20.0000	20
	57 n-Octane	43	16.808	16.808	(1.207)	2020913	20.0000	19
	58 Toluene	92	16.739	16.734	(0.861)	2202530	20.0000	20
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	1641621	20.0000	20
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	983941	20.0000	20
	61 Tetrachloroethene	166	17.769	17.764	(0.914)	2104727	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.993	17.993	(0.925)	1296084	20.0000	20
63	Dibromochloromethane	129	18.313	18.313	(0.942)	2365702	20.0000	22
64	1,2-Dibromoethane	107	18.585	18.586	(0.956)	2002421	20.0000	21
* 65	Chlorobenzene-d5	117	19.450	19.450	(1.000)	2282236	10.0000	
66	Chlorobenzene	112	19.509	19.509	(1.003)	3211968	20.0000	20
67	n-Nonane	57	19.792	19.792	(1.018)	1978008	20.0000	20
68	Ethylbenzene	91	19.658	19.653	(1.011)	4678329	20.0000	20
69	Xylene (m,p)	106	19.893	19.893	(1.023)	3957139	40.0000	41
M 70	Xylenes, Total	106				5884002	20.0000	62
71	Xylene (o)	106	20.645	20.646	(1.061)	1926863	20.0000	21
72	Styrene	104	20.678	20.678	(1.063)	2968156	20.0000	23
73	Bromoform	173	21.046	21.041	(1.082)	2366238	20.0000	22
74	Isopropylbenzene	105	21.254	21.254	(1.093)	5562721	20.0000	21
75	1,1,2,2-Tetrachloroethane	83	21.804	21.798	(1.121)	2472348	20.0000	20
76	n-Propylbenzene	91	21.921	21.916	(1.127)	6298984	20.0000	21
77	1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	1940206	20.0000	20
78	n-Decane	57	22.097	22.097	(1.136)	2246198	20.0000	20
79	4-Ethyltoluene	105	22.092	22.092	(1.136)	5577490	20.0000	22
80	2-Chlorotoluene	91	22.102	22.103	(1.136)	4462218	20.0000	20
81	1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	4736016	20.0000	21
82	Alpha Methyl Styrene	118	22.535	22.535	(1.159)	2451434	20.0000	23
83	tert-butylbenzene	119	22.663	22.658	(1.165)	4720355	20.0000	21
84	1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	4652357	20.0000	21
85	sec-Butylbenzene	105	22.978	22.972	(1.181)	6735894	20.0000	21
86	4-Isopropyltoluene	119	23.175	23.170	(1.192)	5915135	20.0000	22
87	1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	3255522	20.0000	21
88	1,4-Dichlorobenzene	146	23.341	23.335	(1.200)	3174265	20.0000	21
89	Benzyl chloride	91	23.527	23.522	(1.210)	3648254	20.0000	23
90	Undecane	57	23.805	23.805	(1.224)	2023452	20.0000	19
91	n-Butylbenzene	91	23.768	23.768	(1.222)	4559870	20.0000	23
92	1,2-Dichlorobenzene	146	23.896	23.890	(1.229)	3027941	20.0000	21
93	Dodecane	57	25.465	25.465	(1.309)	933475	20.0000	15
94	1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	1228920	20.0000	19
95	1,3-Hexachlorobutadiene	225	26.740	26.735	(1.375)	1712222	20.0000	21
96	Naphthalene	128	27.012	27.012	(1.389)	2318811	20.0000	18
97	1,2,3-Trichlorobenzene	180	27.519	27.514	(1.415)	944178	20.0000	19

Data File:	ckz009.d	Date:	14-AUG-2012 23:34
Client ID:	ic 370601	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370601		
Lab Sample ID:	ic 370601		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz010.d
Lab Smp Id: ic 370600 Client Smp ID: ic 370600
Inj Date : 15-AUG-2012 00:28
Operator : wrd Inst ID: C.i
Smp Info : ic 370600
Misc Info : 200,1,level 7
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 00:28 Cal File: ckz010.d
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	1063874	40.0000	33
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	4827325	40.0000	36
3 Chlorodifluoromethane	51	4.362	4.363	(0.360)	2318035	40.0000	34
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	5017164	40.0000	36
5 Chloromethane	50	4.811	4.811	(0.398)	1299651	40.0000	35
6 Butane	43	5.078	5.078	(0.420)	2269233	40.0000	34
7 Vinyl chloride	62	5.120	5.121	(0.423)	1662035	40.0000	36
8 1,3-Butadiene	54	5.222	5.217	(0.432)	1204410	40.0000	36
9 Bromomethane	94	6.012	6.012	(0.497)	1693799	40.0000	38
10 Chloroethane	64	6.284	6.284	(0.519)	868559	40.0000	37
11 2-Methylbutane	43	6.401	6.396	(0.529)	1741356	40.0000	34
12 Vinyl bromide	106	6.732	6.727	(0.556)	1848007	40.0000	39
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	5120772	40.0000	36
14 Pentane	43	7.031	7.026	(0.581)	2739630	40.0000	35

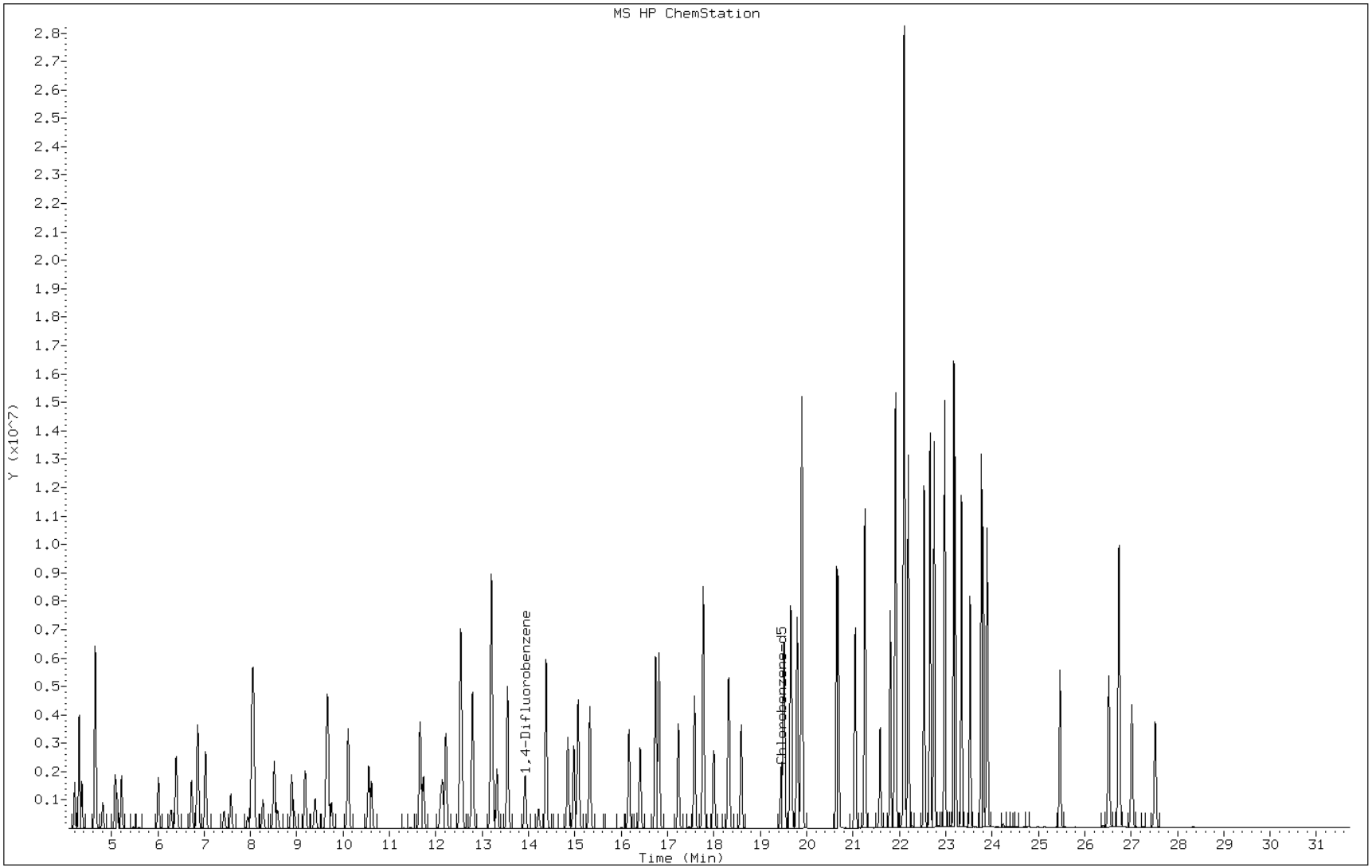
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.431	7.426	(0.614)	996073	100.000	86
	16 Ethyl ether	59	7.575	7.581	(0.626)	1067046	40.0000	36
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.664)	3705569	40.0000	37
	18 Acrolein	56	7.943	7.938	(0.656)	514321	40.0000	37
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	1782667	40.0000	38
	20 Acetone	43	8.269	8.269	(0.683)	1808368	40.0000	33
	21 Carbon disulfide	76	8.509	8.509	(0.703)	5052073	40.0000	38
	22 Isopropanol	45	8.579	8.573	(0.709)	1296594	40.0000	34
	23 Allyl chloride	41	8.883	8.883	(0.734)	2000333	40.0000	36
	24 Acetonitrile	41	8.947	8.942	(0.739)	825669	40.0000	37
	25 Methylene chloride	49	9.176	9.177	(0.758)	1581183	40.0000	34
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	2093862	40.0000	36
	27 Methyl tert-butyl ether	73	9.641	9.641	(0.797)	4738158	40.0000	36
	28 1,2-Dichloroethene (trans)	61	9.673	9.668	(0.799)	2496079	40.0000	36
	29 Acrylonitrile	53	9.747	9.748	(0.806)	1011403	40.0000	38
	30 n-Hexane	57	10.105	10.105	(0.835)	2722223	40.0000	37
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	3198805	40.0000	36
	32 Vinyl acetate	43	10.612	10.607	(0.877)	3384215	40.0000	36
M	33 1,2-Dichloroethene,Total	61				4547164	80.0000	74
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	2051085	40.0000	37
	35 Ethyl acetate	88	11.733	11.728	(0.970)	158228	40.0000	39
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	758972	40.0000	37
*	37 Bromochloromethane	128	12.101	12.096	(1.000)	491751	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	1491236	40.0000	39
	39 Chloroform	83	12.213	12.213	(1.009)	4005308	40.0000	36
	40 Cyclohexane	84	12.549	12.544	(0.901)	2875788	40.0000	42(A)
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	4498299	40.0000	40(A)
	42 Carbon tetrachloride	117	12.789	12.784	(0.918)	4919166	40.0000	42(A)
	43 2,2,4-Trimethylpentane	57	13.206	13.201	(0.948)	8653827	40.0000	40(A)
	44 Benzene	78	13.195	13.190	(0.947)	5861699	40.0000	41(A)
	45 1,2-Dichloroethane	62	13.318	13.318	(0.956)	2518111	40.0000	39
	46 n-Heptane	43	13.547	13.542	(0.973)	2965258	40.0000	39
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2439004	10.0000	
	48 n-Butanol	56	14.214	14.209	(1.021)	604323	40.0000	43(A)
	49 Trichloroethene	95	14.380	14.375	(1.033)	2858818	40.0000	42(A)
	50 1,2-Dichloropropane	63	14.849	14.844	(1.066)	1910510	40.0000	40
	51 Methyl methacrylate	69	14.978	14.972	(1.075)	1818413	40.0000	44(A)
	52 Dibromomethane	174	15.074	15.069	(1.082)	2799296	40.0000	45(A)
	53 1,4-Dioxane	88	15.047	15.042	(1.080)	650303	40.0000	38
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	4405637	40.0000	41(A)
	55 1,3-Dichloropropene (cis)	75	16.162	16.163	(1.161)	3289522	40.0000	42(A)
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.178)	2777113	40.0000	41(A)
	57 n-Octane	43	16.808	16.808	(1.207)	3915874	40.0000	38
	58 Toluene	92	16.739	16.734	(0.860)	4448120	40.0000	41(A)
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	3332037	40.0000	43(A)
	60 1,1,2-Trichloroethane	83	17.582	17.577	(0.904)	1959711	40.0000	40(A)
	61 Tetrachloroethene	166	17.769	17.764	(0.913)	4431081	40.0000	44(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.993	17.993	(0.925)	2641748	40.0000	42(A)
63	Dibromochloromethane	129	18.318	18.313	(0.942)	4844163	40.0000	45(A)
64	1,2-Dibromoethane	107	18.591	18.586	(0.956)	4055501	40.0000	43(A)
* 65	Chlorobenzene-d5	117	19.455	19.450	(1.000)	2239520	10.0000	
66	Chlorobenzene	112	19.514	19.509	(1.003)	6576503	40.0000	42(A)
67	n-Nonane	57	19.797	19.792	(1.018)	3985736	40.0000	41(A)
68	Ethylbenzene	91	19.658	19.653	(1.010)	9709309	40.0000	43(A)
69	Xylene (m,p)	106	19.893	19.893	(1.022)	8239271	80.0000	88(A)
M 70	Xylenes, Total	106				12199098	40.0000	130
71	Xylene (o)	106	20.645	20.646	(1.061)	3959827	40.0000	43(A)
72	Styrene	104	20.683	20.678	(1.063)	6341806	40.0000	49(A)
73	Bromoform	173	21.046	21.041	(1.082)	4995494	40.0000	48(A)
74	Isopropylbenzene	105	21.259	21.254	(1.093)	11685494	40.0000	45(A)
75	1,1,2,2-Tetrachloroethane	83	21.803	21.798	(1.121)	5061975	40.0000	43(A)
76	n-Propylbenzene	91	21.921	21.916	(1.127)	13121769	40.0000	45(A)
77	1,2,3-Trichloropropane	75	21.905	21.900	(1.126)	3884902	40.0000	41(A)
78	n-Decane	57	22.097	22.097	(1.136)	4089282	40.0000	37
79	4-Ethyltoluene	105	22.097	22.092	(1.136)	11374226	40.0000	45(A)
80	2-Chlorotoluene	91	22.108	22.103	(1.136)	8882480	40.0000	41(A)
81	1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	10066067	40.0000	46(A)
82	Alpha Methyl Styrene	118	22.535	22.535	(1.158)	5316033	40.0000	52(A)
83	tert-butylbenzene	119	22.663	22.658	(1.165)	9938298	40.0000	45(A)
84	1,2,4-Trimethylbenzene	105	22.748	22.748	(1.169)	9966136	40.0000	47(A)
85	sec-Butylbenzene	105	22.978	22.972	(1.181)	14311357	40.0000	46(A)
86	4-Isopropyltoluene	119	23.175	23.170	(1.191)	12663046	40.0000	48(A)
87	1,3-Dichlorobenzene	146	23.207	23.202	(1.193)	7188170	40.0000	48(A)
88	1,4-Dichlorobenzene	146	23.340	23.335	(1.200)	7057943	40.0000	49(A)
89	Benzyl chloride	91	23.527	23.522	(1.209)	8071371	40.0000	51(A)
90	Undecane	57	23.810	23.805	(1.224)	4678209	40.0000	45(A)
91	n-Butylbenzene	91	23.767	23.768	(1.222)	9769839	40.0000	49(A)
92	1,2-Dichlorobenzene	146	23.895	23.890	(1.228)	6658200	40.0000	48(A)
93	Dodecane	57	25.465	25.465	(1.309)	2701195	40.0000	46(A)
94	1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	3207300	40.0000	51(A)
95	1,3-Hexachlorobutadiene	225	26.740	26.735	(1.374)	3660873	40.0000	46(A)
96	Naphthalene	128	27.018	27.012	(1.389)	6659792	40.0000	54(A)
97	1,2,3-Trichlorobenzene	180	27.519	27.514	(1.414)	2427773	40.0000	51(A)

QC Flag Legend

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

Data File:	ckz010.d	Date:	15-AUG-2012 00:28
Client ID:	ic 370600	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370600		
Lab Sample ID:	ic 370600		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz015.d
Lab Smp Id: icis 370604 Client Smp ID: icis 370604
Inj Date : 15-AUG-2012 08:24
Operator : wrd Inst ID: C.i
Smp Info : icis 370604
Misc Info : 200,1,level 4
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

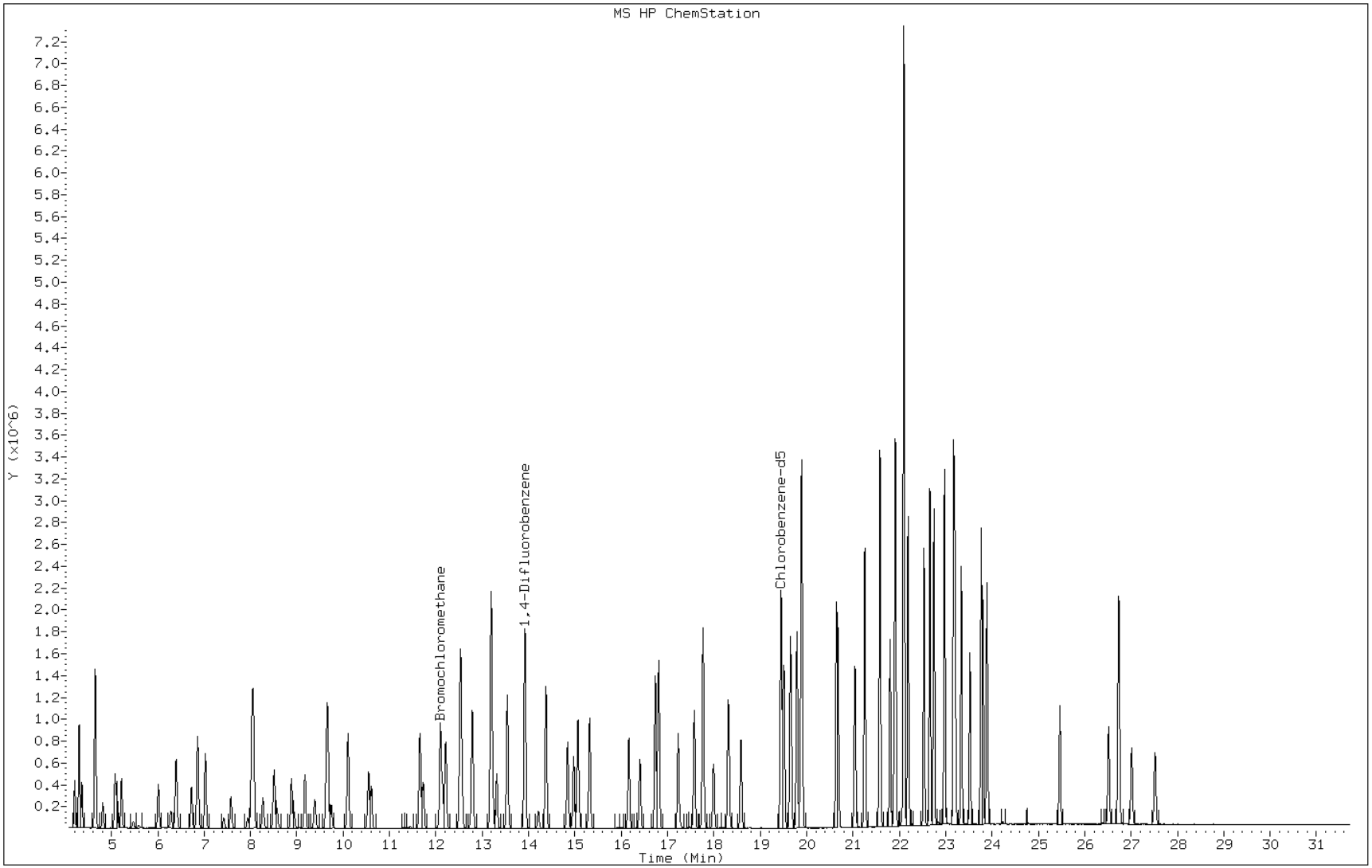
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	283059	10.0000	10
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	1129574	10.0000	9.8
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	577311	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	1151940	10.0000	9.8
5 Chloromethane	50	4.811	4.811	(0.398)	325650	10.0000	10
6 Butane	43	5.078	5.078	(0.420)	590701	10.0000	10
7 Vinyl chloride	62	5.121	5.121	(0.423)	396687	10.0000	10
8 1,3-Butadiene	54	5.217	5.217	(0.431)	290672	10.0000	10
9 Bromomethane	94	6.012	6.012	(0.497)	379780	10.0000	9.9
10 Chloroethane	64	6.284	6.284	(0.520)	202738	10.0000	10
11 2-Methylbutane	43	6.396	6.396	(0.529)	426219	10.0000	9.9
12 Vinyl bromide	106	6.727	6.727	(0.556)	402574	10.0000	9.8
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	1161002	10.0000	9.6
14 Pentane	43	7.026	7.026	(0.581)	674005	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	147960	15.0000	15
	16 Ethyl ether	59	7.581	7.581	(0.627)	254247	10.0000	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.664)	822029	10.0000	9.7
	18 Acrolein	56	7.938	7.938	(0.656)	120447	10.0000	10
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	389344	10.0000	9.8
	20 Acetone	43	8.269	8.269	(0.684)	508549	10.0000	11
	21 Carbon disulfide	76	8.509	8.509	(0.704)	1119189	10.0000	10
	22 Isopropanol	45	8.573	8.573	(0.709)	333318	10.0000	10
	23 Allyl chloride	41	8.883	8.883	(0.734)	467926	10.0000	9.9
	24 Acetonitrile	41	8.942	8.942	(0.739)	189950	10.0000	10
	25 Methylene chloride	49	9.177	9.177	(0.759)	382450	10.0000	9.7
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	509154	10.0000	10
	27 Methyl tert-butyl ether	73	9.641	9.641	(0.797)	1087102	10.0000	9.8
	28 1,2-Dichloroethene (trans)	61	9.668	9.668	(0.799)	578583	10.0000	9.9
	29 Acrylonitrile	53	9.748	9.748	(0.806)	230986	10.0000	10
	30 n-Hexane	57	10.105	10.105	(0.835)	636047	10.0000	10
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	742485	10.0000	9.8
	32 Vinyl acetate	43	10.607	10.607	(0.877)	802692	10.0000	10
M	33 1,2-Dichloroethene,Total	61				1030021	20.0000	19
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	451438	10.0000	9.6
	35 Ethyl acetate	88	11.728	11.728	(0.970)	33878	10.0000	9.8
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	174301	10.0000	9.9
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	419299	10.0000	
	38 Tetrahydrofuran	42	12.139	12.139	(0.872)	362068	10.0000	9.9
	39 Chloroform	83	12.213	12.213	(1.010)	919514	10.0000	9.8
	40 Cyclohexane	84	12.544	12.544	(0.901)	636062	10.0000	9.7
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	1020074	10.0000	9.6
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	1078834	10.0000	9.6
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	2041604	10.0000	9.9
	44 Benzene	78	13.190	13.190	(0.947)	1329811	10.0000	9.6
	45 1,2-Dichloroethane	62	13.318	13.318	(0.957)	601581	10.0000	9.7
	46 n-Heptane	43	13.542	13.542	(0.973)	729294	10.0000	9.9
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2338098	10.0000	
	48 n-Butanol	56	14.209	14.209	(1.021)	135583	10.0000	10
	49 Trichloroethene	95	14.375	14.375	(1.033)	631256	10.0000	9.7
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	448163	10.0000	9.7
	51 Methyl methacrylate	69	14.972	14.972	(1.076)	388995	10.0000	9.9
	52 Dibromomethane	174	15.069	15.069	(1.082)	578927	10.0000	9.7
	53 1,4-Dioxane	88	15.042	15.042	(1.081)	159944	10.0000	9.8
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	1018972	10.0000	10
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	748632	10.0000	9.9
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.179)	610844	10.0000	9.3
	57 n-Octane	43	16.808	16.808	(1.207)	988252	10.0000	9.9
	58 Toluene	92	16.734	16.734	(0.860)	1009776	10.0000	9.7
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	747465	10.0000	10
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	451489	10.0000	9.6
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	928617	10.0000	9.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.993	17.993	(0.925)	562900	10.0000	9.3
63	Dibromochloromethane	129	18.313	18.313	(0.942)	1026857	10.0000	9.9
64	1,2-Dibromoethane	107	18.586	18.586	(0.956)	890755	10.0000	9.8
* 65	Chlorobenzene-d5	117	19.450	19.450	(1.000)	2179074	10.0000	
66	Chlorobenzene	112	19.509	19.509	(1.003)	1436363	10.0000	9.5
67	n-Nonane	57	19.792	19.792	(1.018)	935342	10.0000	9.8
68	Ethylbenzene	91	19.653	19.653	(1.010)	2107945	10.0000	9.6
69	Xylene (m,p)	106	19.893	19.893	(1.023)	1781171	20.0000	19
M 70	Xylenes, Total	106				2649984	10.0000	29
71	Xylene (o)	106	20.646	20.646	(1.061)	868813	10.0000	9.8
72	Styrene	104	20.678	20.678	(1.063)	1290186	10.0000	10
73	Bromoform	173	21.041	21.041	(1.082)	1017655	10.0000	10
74	Isopropylbenzene	105	21.254	21.254	(1.093)	2485603	10.0000	9.7
75	1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	1113422	10.0000	9.7
76	n-Propylbenzene	91	21.916	21.916	(1.127)	2840068	10.0000	10
77	1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	899864	10.0000	9.6
78	n-Decane	57	22.097	22.097	(1.136)	1116216	10.0000	10
79	4-Ethyltoluene	105	22.092	22.092	(1.136)	2495383	10.0000	10
80	2-Chlorotoluene	91	22.103	22.103	(1.136)	2051831	10.0000	9.7
81	1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	2106707	10.0000	9.8
82	Alpha Methyl Styrene	118	22.535	22.535	(1.159)	1053537	10.0000	11
83	tert-butylbenzene	119	22.658	22.658	(1.165)	2098797	10.0000	9.8
84	1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	2069833	10.0000	10
85	sec-Butylbenzene	105	22.972	22.972	(1.181)	3001987	10.0000	9.9
86	4-Isopropyltoluene	119	23.170	23.170	(1.191)	2579274	10.0000	10
87	1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	1416167	10.0000	9.7
88	1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	1369962	10.0000	9.7
89	Benzyl chloride	91	23.522	23.522	(1.209)	1527206	10.0000	10
90	Undecane	57	23.805	23.805	(1.224)	881223	10.0000	8.8
91	n-Butylbenzene	91	23.768	23.768	(1.222)	1988185	10.0000	10
92	1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	1317115	10.0000	9.7
93	Dodecane	57	25.465	25.465	(1.309)	533363	10.0000	9.3
94	1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	508705	10.0000	8.4
95	1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	738987	10.0000	9.5
96	Naphthalene	128	27.012	27.012	(1.389)	1063574	10.0000	8.8
97	1,2,3-Trichlorobenzene	180	27.514	27.514	(1.415)	422731	10.0000	9.0

Data File:	ckz015.d	Date:	15-AUG-2012 08:24
Client ID:	icis 370604	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 370604		
Lab Sample ID:	icis 370604		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: ICV 200-43490/18 Calibration Date: 08/15/2012 11:09

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckz018.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6484	0.6663		10.3	10.0	2.8	30.0
Dichlorodifluoromethane	Ave	2.746	2.788		10.2	10.0	1.5	30.0
Freon 22	Ave	1.384	1.408		10.2	10.0	1.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.798	2.787		9.96	10.0	-0.4	30.0
Chloromethane	Ave	0.7657	0.7830		10.2	10.0	2.3	30.0
n-Butane	Ave	1.354	1.389		10.3	10.0	2.6	30.0
Vinyl chloride	Ave	0.9506	0.9470		9.96	10.0	-0.4	30.0
1,3-Butadiene	Ave	0.6877	0.7223		10.5	10.0	5.0	30.0
Bromomethane	Ave	0.9137	0.8865		9.70	10.0	-3.0	30.0
Chloroethane	Ave	0.4767	0.4754		9.97	10.0	-0.3	30.0
Isopentane	Ave	1.031	1.028		9.96	10.0	-0.3	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9751	0.9765		10.0	10.0	0.1	30.0
Trichlorofluoromethane	Ave	2.896	2.875		9.93	10.0	-0.7	30.0
n-Pentane	Ave	1.574	1.575		10.0	10.0	0.0	30.0
Ethanol	Ave	0.2344	0.2513		16.1	15.0	7.2	30.0
Ethyl ether	Ave	0.5994	0.6146		10.3	10.0	2.5	30.0
Acrolein	Ave	0.2829	0.2616		9.25	10.0	-7.5	30.0
Freon TF	Ave	2.025	2.150		10.6	10.0	6.2	30.0
1,1-Dichloroethene	Ave	0.9508	1.032		10.9	10.0	8.6	30.0
Acetone	Ave	1.101	1.208		11.0	10.0	9.7	30.0
Carbon disulfide	Ave	2.669	2.747		10.3	10.0	2.9	30.0
Isopropyl alcohol	Ave	0.7736	0.8070		10.4	10.0	4.3	30.0
3-Chloropropene	Ave	1.125	1.202		10.7	10.0	6.9	30.0
Acetonitrile	Ave	0.4531	0.5060		11.2	10.0	11.7	30.0
Methylene Chloride	Ave	0.9393	0.997		10.6	10.0	6.1	30.0
tert-Butyl alcohol	Ave	1.177	1.247		10.6	10.0	6.0	30.0
Methyl tert-butyl ether	Ave	2.647	2.814		10.6	10.0	6.3	30.0
trans-1,2-Dichloroethene	Ave	1.399	1.427		10.2	10.0	2.0	30.0
Acrylonitrile	Ave	0.5402	0.6030		11.2	10.0	11.6	30.0
n-Hexane	Ave	1.513	1.551		10.2	10.0	2.5	30.0
1,1-Dichloroethane	Ave	1.799	1.826		10.1	10.0	1.5	30.0
Vinyl acetate	Ave	1.893	2.057		10.9	10.0	8.7	30.0
cis-1,2-Dichloroethene	Ave	1.119	1.121		10.0	10.0	0.2	30.0
Methyl Ethyl Ketone	Ave	0.4184	0.4474		10.7	10.0	6.9	30.0
Ethyl acetate	Ave	0.0828	0.0876		10.6	10.0	5.9	30.0
Tetrahydrofuran	Ave	0.1572	0.1703		10.8	10.0	8.3	30.0
Chloroform	Ave	2.234	2.250		10.1	10.0	0.7	30.0
1,1,1-Trichloroethane	Ave	0.4565	0.4551		9.97	10.0	-0.3	30.0
Cyclohexane	Ave	0.2805	0.2822		10.1	10.0	0.6	30.0
Carbon tetrachloride	Ave	0.4819	0.4760		9.88	10.0	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: ICV 200-43490/18 Calibration Date: 08/15/2012 11:09

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckz018.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5923	0.5887		9.94	10.0	-0.6	30.0
2,2,4-Trimethylpentane	Ave	0.8821	0.8996		10.2	10.0	2.0	30.0
1,2-Dichloroethane	Ave	0.2664	0.2710		10.2	10.0	1.7	30.0
n-Heptane	Ave	0.3152	0.3254		10.3	10.0	3.2	30.0
n-Butanol	Ave	0.0579	0.0581		10.0	10.0	0.4	30.0
Trichloroethene	Ave	0.2787	0.2714		9.73	10.0	-2.6	30.0
1,2-Dichloropropane	Ave	0.1969	0.1920		9.75	10.0	-2.5	30.0
Methyl methacrylate	Ave	0.1681	0.1777		10.6	10.0	5.7	30.0
1,4-Dioxane	Ave	0.0702	0.0639		9.11	10.0	-8.9	30.0
Dibromomethane	Ave	0.2550	0.2525		9.90	10.0	-1.0	30.0
Bromodichloromethane	Ave	0.4359	0.4614		10.6	10.0	5.9	30.0
cis-1,3-Dichloropropene	Ave	0.3236	0.3222		9.96	10.0	-0.4	30.0
methyl isobutyl ketone	Ave	0.2796	0.3062		10.9	10.0	9.5	30.0
Toluene	Ave	0.4794	0.4739		9.88	10.0	-1.1	30.0
n-Octane	Ave	0.4253	0.4341		10.2	10.0	2.1	30.0
trans-1,3-Dichloropropene	Ave	0.3207	0.3284		10.2	10.0	2.4	30.0
1,1,2-Trichloroethane	Ave	0.2163	0.2048		9.47	10.0	-5.3	30.0
Tetrachloroethene	Ave	0.4520	0.4338		9.60	10.0	-4.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2793	0.3020		10.8	10.0	8.1	30.0
Dibromochloromethane	Ave	0.4757	0.5164		10.9	10.0	8.6	30.0
1,2-Dibromoethane	Ave	0.4184	0.4150		9.92	10.0	-0.8	30.0
Chlorobenzene	Ave	0.6941	0.6711		9.67	10.0	-3.3	30.0
Ethylbenzene	Ave	1.008	1.035		10.3	10.0	2.7	30.0
n-Nonane	Ave	0.4389	0.4666		10.6	10.0	6.3	30.0
m,p-Xylene	Ave	0.4201	0.4322		20.6	20.0	2.9	30.0
Xylene, o-	Ave	0.4067	0.4199		10.3	10.0	3.2	30.0
Styrene	Ave	0.5752	0.6271		10.9	10.0	9.0	30.0
Bromoform	Ave	0.4612	0.5131		11.1	10.0	11.3	30.0
Cumene	Ave	1.170	1.245		10.6	10.0	6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5293	0.5402		10.2	10.0	2.1	30.0
1,2,3-Trichloropropane	Ave	0.4280	0.4535		10.6	10.0	6.0	30.0
n-Propylbenzene	Ave	1.307	1.431		10.9	10.0	9.4	30.0
4-Ethyltoluene	Ave	1.133	1.288		11.4	10.0	13.8	30.0
n-Decane	Ave	0.4980	0.5713		11.5	10.0	14.7	30.0
2-Chlorotoluene	Ave	0.9700	1.058		10.9	10.0	9.0	30.0
1,3,5-Trimethylbenzene	Ave	0.9824	1.049		10.7	10.0	6.8	30.0
Alpha Methyl Styrene	Ave	0.4584	0.5383		11.7	10.0	17.4	30.0
tert-Butylbenzene	Ave	0.9877	1.083		11.0	10.0	9.6	30.0
1,2,4-Trimethylbenzene	Ave	0.9504	1.025		10.8	10.0	7.9	30.0
sec-Butylbenzene	Ave	1.388	1.543		11.1	10.0	11.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: ICV 200-43490/18 Calibration Date: 08/15/2012 11:09

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckz018.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.178	1.346		11.4	10.0	14.3	30.0
1,3-Dichlorobenzene	Ave	0.6694	0.6994		10.4	10.0	4.5	30.0
1,4-Dichlorobenzene	Ave	0.6483	0.6868		10.6	10.0	5.9	30.0
Benzyl chloride	Ave	0.7030	0.8020		11.4	10.0	14.1	30.0
n-Butylbenzene	Ave	0.8856	1.055		11.9	10.0	19.1	30.0
n-Undecane	Ave	0.4617	0.5107		11.1	10.0	10.6	30.0
1,2-Dichlorobenzene	Ave	0.6226	0.6471		10.4	10.0	3.9	30.0
n-Dodecane	Ave	0.2640	0.2963		11.2	10.0	12.2	30.0
1,2,4-Trichlorobenzene	Ave	0.2781	0.2872		10.3	10.0	3.3	30.0
Hexachlorobutadiene	Ave	0.3561	0.4031		11.3	10.0	13.2	30.0
Naphthalene	Ave	0.5526	0.6238		11.3	10.0	12.9	30.0
1,2,3-Trichlorobenzene	Ave	0.2145	0.2570		12.0	10.0	19.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz018.d
Lab Smp Id: ICV 370622
Inj Date : 15-AUG-2012 11:09
Operator : wrd Inst ID: C.i
Smp Info : ICV 370622
Misc Info : 200,1, ICV
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

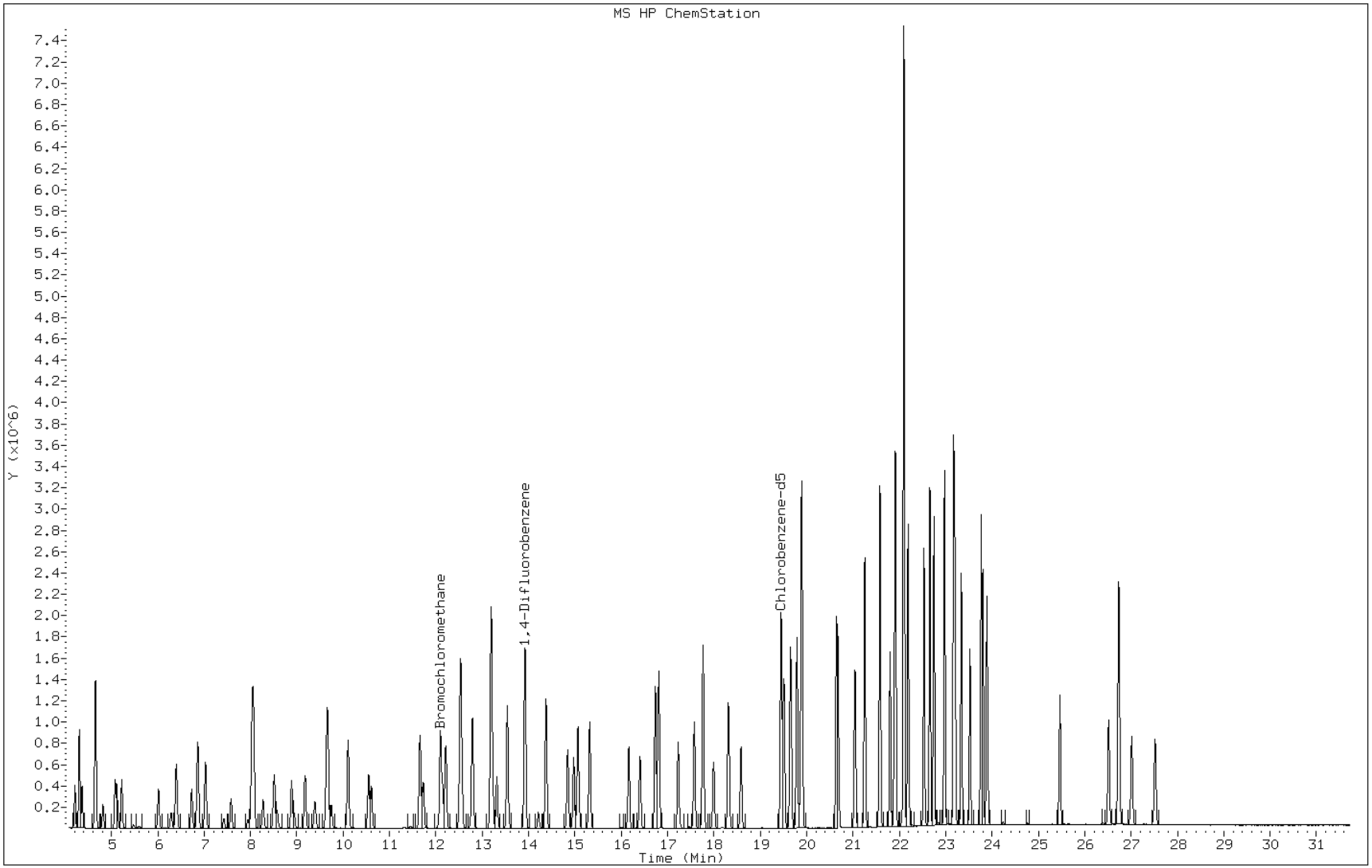
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	262779	10.2736	10
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	1099416	10.1504	10
3 Chlorodifluoromethane	51	4.368	4.363	(0.361)	555140	10.1705	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	1099387	9.96160	10
5 Chloromethane	50	4.816	4.811	(0.398)	308800	10.2236	10
6 Butane	43	5.083	5.078	(0.420)	547856	10.2547	10
7 Vinyl chloride	62	5.126	5.121	(0.424)	373503	9.96069	10
8 1,3-Butadiene	54	5.222	5.217	(0.432)	284883	10.5016	11
9 Bromomethane	94	6.017	6.012	(0.497)	349647	9.70079	9.7
10 Chloroethane	64	6.289	6.284	(0.520)	187479	9.96880	10
11 2-Methylbutane	43	6.401	6.396	(0.529)	405419	9.96409	10
12 Vinyl bromide	106	6.732	6.727	(0.557)	385129	10.0118	10
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	1134026	9.92746	9.9
14 Pentane	43	7.026	7.026	(0.581)	621218	10.0034	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	148741	16.0862	16
	16 Ethyl ether	59	7.581	7.581	(0.627)	242408	10.2526	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	848035	10.6175	11
	18 Acrolein	56	7.944	7.938	(0.657)	103162	9.24543	9.2
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	407083	10.8530	11
	20 Acetone	43	8.275	8.269	(0.684)	476619	10.9727	11
	21 Carbon disulfide	76	8.509	8.509	(0.703)	1083447	10.2896	10
	22 Isopropanol	45	8.573	8.573	(0.709)	318286	10.4294	10
	23 Allyl chloride	41	8.883	8.883	(0.734)	474202	10.6854	11
	24 Acetonitrile	41	8.942	8.942	(0.739)	199553	11.1636	11
	25 Methylene chloride	49	9.176	9.177	(0.759)	393157	10.6105	11
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	491838	10.5954	11
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	1110001	10.6308	11
	28 1,2-Dichloroethene (trans)	61	9.667	9.668	(0.799)	562782	10.1958	10
	29 Acrylonitrile	53	9.748	9.748	(0.806)	237829	11.1597	11
	30 n-Hexane	57	10.105	10.105	(0.835)	611669	10.2458	10
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	719996	10.1469	10
	32 Vinyl acetate	43	10.612	10.607	(0.877)	811390	10.8666	11
M	33 1,2-Dichloroethene,Total	61				1005019	20.2126	20
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	442237	10.0169	10
	35 Ethyl acetate	88	11.733	11.728	(0.970)	34563	10.5863	11
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.965)	176461	10.6917	11
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	394482	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	370132	10.8324	11
	39 Chloroform	83	12.213	12.213	(1.010)	887550	10.0717	10
	40 Cyclohexane	84	12.549	12.544	(0.901)	613272	10.0592	10
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	988890	9.96724	10
	42 Carbon tetrachloride	117	12.790	12.784	(0.918)	1034383	9.87502	9.9
	43 2,2,4-Trimethylpentane	57	13.200	13.201	(0.948)	1954885	10.1968	10
	44 Benzene	78	13.190	13.190	(0.947)	1279285	9.93776	9.9
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	588938	10.1714	10
	46 n-Heptane	43	13.547	13.542	(0.973)	707055	10.3193	10
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2173520	10.0000	
	48 n-Butanol	56	14.214	14.209	(1.021)	126295	10.0388	10
	49 Trichloroethene	95	14.375	14.375	(1.032)	589711	9.73389	9.7
	50 1,2-Dichloropropane	63	14.839	14.844	(1.066)	417223	9.74673	9.7
	51 Methyl methacrylate	69	14.972	14.972	(1.075)	386090	10.5642	11
	52 Dibromomethane	174	15.068	15.069	(1.082)	548650	9.89853	9.9
	53 1,4-Dioxane	88	15.047	15.042	(1.080)	138850	9.10611	9.1
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	1002604	10.5834	11
	55 1,3-Dichloropropene (cis)	75	16.162	16.163	(1.161)	700142	9.95580	10
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.178)	665302	10.9465	11
	57 n-Octane	43	16.808	16.808	(1.207)	943249	10.2044	10
	58 Toluene	92	16.739	16.734	(0.861)	943875	9.88359	9.9
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	713719	10.2391	10
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	407787	9.46578	9.5
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	864010	9.59584	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.993	17.993	(0.925)	601398	10.8111	11
63	Dibromochloromethane	129	18.313	18.313	(0.942)	1028426	10.8538	11
64	1,2-Dibromoethane	107	18.585	18.586	(0.956)	826520	9.91696	9.9
* 65	Chlorobenzene-d5	117	19.450	19.450	(1.000)	1992042	10.0000	
66	Chlorobenzene	112	19.509	19.509	(1.003)	1336502	9.66619	9.7
67	n-Nonane	57	19.792	19.792	(1.018)	929310	10.6284	11
68	Ethylbenzene	91	19.658	19.653	(1.011)	2061964	10.2650	10
69	Xylene (m,p)	106	19.893	19.893	(1.023)	1721571	20.5716	21
M 70	Xylenes, Total	106				2557836	30.8931	31
71	Xylene (o)	106	20.645	20.646	(1.061)	836265	10.3214	10
72	Styrene	104	20.677	20.678	(1.063)	1248911	10.9001	11
73	Bromoform	173	21.040	21.041	(1.082)	1021920	11.1242	11
74	Isopropylbenzene	105	21.254	21.254	(1.093)	2479553	10.6392	11
75	1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	1075805	10.2038	10
76	n-Propylbenzene	91	21.916	21.916	(1.127)	2849062	10.9411	11
77	1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	903191	10.5938	11
78	n-Decane	57	22.097	22.097	(1.136)	1137869	11.4692	11
79	4-Ethyltoluene	105	22.092	22.092	(1.136)	2566064	11.3733	11
80	2-Chlorotoluene	91	22.102	22.103	(1.136)	2106395	10.9007	11
81	1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	2090175	10.6811	11
82	Alpha Methyl Styrene	118	22.535	22.535	(1.159)	1072136	11.7421	12
83	tert-butylbenzene	119	22.663	22.658	(1.165)	2155965	10.9579	11
84	1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	2041429	10.7831	11
85	sec-Butylbenzene	105	22.972	22.972	(1.181)	3073811	11.1177	11
86	4-Isopropyltoluene	119	23.170	23.170	(1.191)	2681604	11.4238	11
87	1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	1392924	10.4455	10
88	1,4-Dichlorobenzene	146	23.341	23.335	(1.200)	1367792	10.5919	11
89	Benzyl chloride	91	23.527	23.522	(1.210)	1597300	11.4055	11
90	Undecane	57	23.805	23.805	(1.224)	1017099	11.0599	11
91	n-Butylbenzene	91	23.768	23.768	(1.222)	2100902	11.9091	12
92	1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	1288821	10.3924	10
93	Dodecane	57	25.465	25.465	(1.309)	590067	11.2198	11
94	1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	571990	10.3246	10
95	1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	802771	11.3175	11
96	Naphthalene	128	27.012	27.012	(1.389)	1242293	11.2858	11
97	1,2,3-Trichlorobenzene	180	27.514	27.514	(1.415)	511855	11.9794	12

Data File: ckz018.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ICV 370622
Lab Sample ID: ICV 370622

Date: 15-AUG-2012 11:09
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: CCVIS 200-44081/2 Calibration Date: 08/22/2012 12:39

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzg002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6484	0.6391		9.85	10.0	-1.4	30.0
Dichlorodifluoromethane	Ave	2.746	2.732		9.95	10.0	-0.5	30.0
Freon 22	Ave	1.384	1.369		9.89	10.0	-1.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.798	2.857		10.2	10.0	2.1	30.0
Chloromethane	Ave	0.7657	0.7684		10.0	10.0	0.3	30.0
n-Butane	Ave	1.354	1.385		10.2	10.0	2.2	30.0
Vinyl chloride	Ave	0.9506	0.9660		10.2	10.0	1.6	30.0
1,3-Butadiene	Ave	0.6877	0.7054		10.3	10.0	2.6	30.0
Bromomethane	Ave	0.9137	0.9413		10.3	10.0	3.0	30.0
Chloroethane	Ave	0.4767	0.4900		10.3	10.0	2.8	30.0
Isopentane	Ave	1.031	1.003		9.73	10.0	-2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9751	1.001		10.3	10.0	2.7	30.0
Trichlorofluoromethane	Ave	2.896	2.870		9.91	10.0	-0.9	30.0
n-Pentane	Ave	1.574	1.585		10.1	10.0	0.7	30.0
Ethanol	Ave	0.2344	0.2352		15.1	15.0	0.3	30.0
Ethyl ether	Ave	0.5994	0.6308		10.5	10.0	5.2	30.0
Acrolein	Ave	0.2829	0.2871		10.1	10.0	1.5	30.0
Freon TF	Ave	2.025	2.031		10.0	10.0	0.3	30.0
1,1-Dichloroethene	Ave	0.9508	0.9641		10.1	10.0	1.4	30.0
Acetone	Ave	1.101	1.214		11.0	10.0	10.3	30.0
Carbon disulfide	Ave	2.669	2.762		10.3	10.0	3.5	30.0
Isopropyl alcohol	Ave	0.7736	0.7988		10.3	10.0	3.2	30.0
3-Chloropropene	Ave	1.125	1.114		9.90	10.0	-1.0	30.0
Acetonitrile	Ave	0.4531	0.4932		10.9	10.0	8.8	30.0
Methylene Chloride	Ave	0.9393	0.9123		9.71	10.0	-2.9	30.0
tert-Butyl alcohol	Ave	1.177	1.300		11.0	10.0	10.5	30.0
Methyl tert-butyl ether	Ave	2.647	2.733		10.3	10.0	3.2	30.0
trans-1,2-Dichloroethene	Ave	1.399	1.398		9.99	10.0	-0.0	30.0
Acrylonitrile	Ave	0.5402	0.5712		10.6	10.0	5.7	30.0
n-Hexane	Ave	1.513	1.524		10.1	10.0	0.7	30.0
1,1-Dichloroethane	Ave	1.799	1.792		9.96	10.0	-0.4	30.0
Vinyl acetate	Ave	1.893	1.974		10.4	10.0	4.3	30.0
cis-1,2-Dichloroethene	Ave	1.119	1.103		9.85	10.0	-1.4	30.0
Methyl Ethyl Ketone	Ave	0.4184	0.4322		10.3	10.0	3.3	30.0
Ethyl acetate	Ave	0.0828	0.0856		10.3	10.0	3.4	30.0
Tetrahydrofuran	Ave	0.1572	0.1556		9.90	10.0	-1.0	30.0
Chloroform	Ave	2.234	2.219		9.93	10.0	-0.7	30.0
1,1,1-Trichloroethane	Ave	0.4565	0.4449		9.74	10.0	-2.5	30.0
Cyclohexane	Ave	0.2805	0.2772		9.88	10.0	-1.2	30.0
Carbon tetrachloride	Ave	0.4819	0.4676		9.70	10.0	-3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: CCVIS 200-44081/2 Calibration Date: 08/22/2012 12:39

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzg002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5923	0.5748		9.70	10.0	-2.9	30.0
2,2,4-Trimethylpentane	Ave	0.8821	0.8589		9.74	10.0	-2.6	30.0
1,2-Dichloroethane	Ave	0.2664	0.2625		9.85	10.0	-1.5	30.0
n-Heptane	Ave	0.3152	0.3048		9.67	10.0	-3.3	30.0
n-Butanol	Ave	0.0579	0.0611		10.6	10.0	5.5	30.0
Trichloroethene	Ave	0.2787	0.2752		9.87	10.0	-1.3	30.0
1,2-Dichloropropane	Ave	0.1969	0.1956		9.93	10.0	-0.7	30.0
Methyl methacrylate	Ave	0.1681	0.1702		10.1	10.0	1.2	30.0
1,4-Dioxane	Ave	0.0702	0.0711		10.1	10.0	1.3	30.0
Dibromomethane	Ave	0.2550	0.2520		9.88	10.0	-1.2	30.0
Bromodichloromethane	Ave	0.4359	0.4418		10.1	10.0	1.4	30.0
cis-1,3-Dichloropropene	Ave	0.3236	0.3296		10.2	10.0	1.9	30.0
methyl isobutyl ketone	Ave	0.2796	0.2840		10.2	10.0	1.5	30.0
Toluene	Ave	0.4794	0.4861		10.1	10.0	1.4	30.0
n-Octane	Ave	0.4253	0.4209		9.89	10.0	-1.0	30.0
trans-1,3-Dichloropropene	Ave	0.3207	0.3311		10.3	10.0	3.3	30.0
1,1,2-Trichloroethane	Ave	0.2163	0.2145		9.92	10.0	-0.8	30.0
Tetrachloroethene	Ave	0.4520	0.4466		9.88	10.0	-1.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2793	0.2918		10.4	10.0	4.5	30.0
Dibromochloromethane	Ave	0.4757	0.4956		10.4	10.0	4.2	30.0
1,2-Dibromoethane	Ave	0.4184	0.4273		10.2	10.0	2.1	30.0
Chlorobenzene	Ave	0.6941	0.6896		9.93	10.0	-0.7	30.0
Ethylbenzene	Ave	1.008	1.012		10.0	10.0	0.4	30.0
n-Nonane	Ave	0.4389	0.4440		10.1	10.0	1.1	30.0
m,p-Xylene	Ave	0.4201	0.4272		20.3	20.0	1.7	30.0
Xylene, o-	Ave	0.4067	0.4168		10.2	10.0	2.5	30.0
Styrene	Ave	0.5752	0.6147		10.7	10.0	6.9	30.0
Bromoform	Ave	0.4612	0.4860		10.5	10.0	5.4	30.0
Cumene	Ave	1.170	1.176		10.0	10.0	0.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5293	0.5317		10.0	10.0	0.5	30.0
1,2,3-Trichloropropane	Ave	0.4280	0.4267		9.97	10.0	-0.3	30.0
n-Propylbenzene	Ave	1.307	1.342		10.3	10.0	2.7	30.0
4-Ethyltoluene	Ave	1.133	1.188		10.5	10.0	4.9	30.0
n-Decane	Ave	0.4980	0.5262		10.6	10.0	5.6	30.0
2-Chlorotoluene	Ave	0.9700	0.9804		10.1	10.0	1.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9824	0.997		10.2	10.0	1.5	30.0
Alpha Methyl Styrene	Ave	0.4584	0.5032		11.0	10.0	9.8	30.0
tert-Butylbenzene	Ave	0.9877	0.996		10.1	10.0	0.8	30.0
1,2,4-Trimethylbenzene	Ave	0.9504	0.9815		10.3	10.0	3.3	30.0
sec-Butylbenzene	Ave	1.388	1.409		10.1	10.0	1.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: CCVIS 200-44081/2 Calibration Date: 08/22/2012 12:39

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzg002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.178	1.229		10.4	10.0	4.3	30.0
1,3-Dichlorobenzene	Ave	0.6694	0.6847		10.2	10.0	2.3	30.0
1,4-Dichlorobenzene	Ave	0.6483	0.6618		10.2	10.0	2.1	30.0
Benzyl chloride	Ave	0.7030	0.7560		10.8	10.0	7.5	30.0
n-Butylbenzene	Ave	0.8856	0.9595		10.8	10.0	8.3	30.0
n-Undecane	Ave	0.4617	0.4684		10.1	10.0	1.5	30.0
1,2-Dichlorobenzene	Ave	0.6226	0.6375		10.2	10.0	2.4	30.0
n-Dodecane	Ave	0.2640	0.3141		11.9	10.0	19.0	30.0
1,2,4-Trichlorobenzene	Ave	0.2781	0.3365		12.1	10.0	21.0	30.0
Hexachlorobutadiene	Ave	0.3561	0.3713		10.4	10.0	4.3	30.0
Naphthalene	Ave	0.5526	0.7044		12.7	10.0	27.5	30.0
1,2,3-Trichlorobenzene	Ave	0.2145	0.2876		13.4	10.0	34.1*	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzgto15.b/ckzg002.d
Lab Smp Id: ccvis 370604
Inj Date : 22-AUG-2012 12:39
Operator : pad Inst ID: C.i
Smp Info : ccvis 370604
Misc Info : 200,1,ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

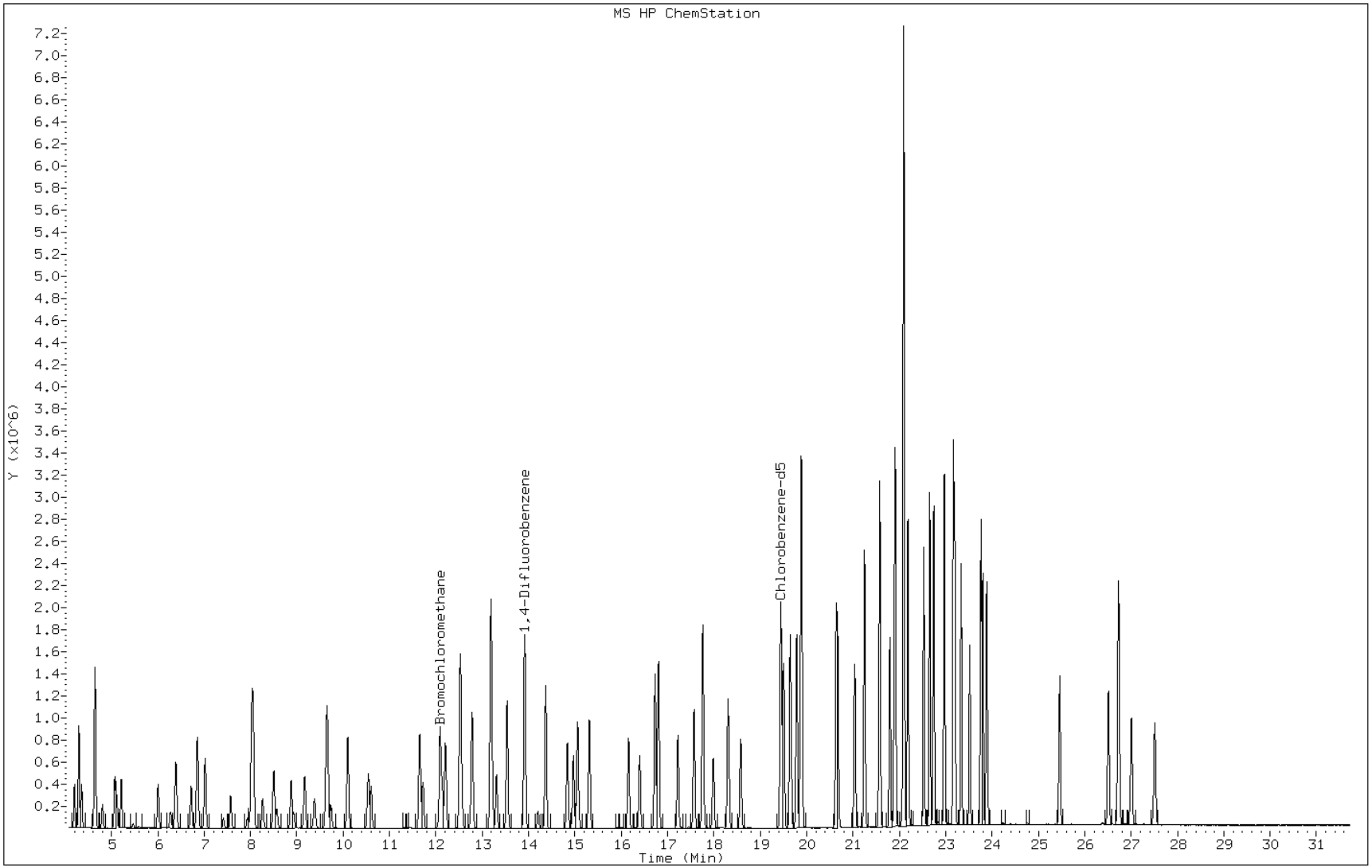
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	4.202	4.208	(0.348)	256361	10.0000	9.9
2	Dichlorodifluoromethane	85	4.298	4.304	(0.356)	1096032	10.0000	9.9
3	Chlorodifluoromethane	51	4.357	4.363	(0.360)	549132	10.0000	9.9
4	1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.384)	1146236	10.0000	10
5	Chloromethane	50	4.805	4.811	(0.397)	308212	10.0000	10
6	Butane	43	5.072	5.078	(0.420)	555455	10.0000	10
7	Vinyl chloride	62	5.115	5.121	(0.423)	387486	10.0000	10
8	1,3-Butadiene	54	5.211	5.217	(0.431)	282974	10.0000	10
9	Bromomethane	94	6.006	6.012	(0.497)	377575	10.0000	10
10	Chloroethane	64	6.278	6.284	(0.519)	196547	10.0000	10
11	2-Methylbutane	43	6.391	6.396	(0.529)	402514	10.0000	9.7
12	Vinyl bromide	106	6.721	6.727	(0.556)	401582	10.0000	10
13	Trichlorofluoromethane	101	6.855	6.860	(0.567)	1151100	10.0000	9.9
14	Pentane	43	7.020	7.026	(0.581)	635923	10.0000	10

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15	Ethanol	45	7.421	7.426	(0.614)	141572	15.0000	15
	16	Ethyl ether	59	7.570	7.581	(0.626)	253039	10.0000	11
	17	1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.664)	814748	10.0000	10
	18	Acrolein	56	7.938	7.938	(0.657)	115159	10.0000	10
	19	1,1-Dichloroethene	96	8.066	8.072	(0.667)	386719	10.0000	10
	20	Acetone	43	8.264	8.269	(0.684)	487022	10.0000	11
	21	Carbon disulfide	76	8.504	8.509	(0.703)	1107778	10.0000	10
	22	Isopropanol	45	8.568	8.573	(0.709)	320406	10.0000	10
	23	Allyl chloride	41	8.878	8.883	(0.734)	446759	10.0000	9.9
	24	Acetonitrile	41	8.936	8.942	(0.739)	197843	10.0000	11
	25	Methylene chloride	49	9.166	9.177	(0.758)	365952	10.0000	9.7
	26	Tert-butyl alcohol	59	9.379	9.390	(0.776)	521461	10.0000	11
	27	Methyl tert-butyl ether	73	9.641	9.641	(0.797)	1096119	10.0000	10
	28	1,2-Dichloroethene (trans)	61	9.662	9.668	(0.799)	560947	10.0000	10
	29	Acrylonitrile	53	9.737	9.748	(0.805)	229141	10.0000	11
	30	n-Hexane	57	10.100	10.105	(0.835)	611335	10.0000	10
	31	1,1-Dichloroethane	63	10.543	10.548	(0.872)	718918	10.0000	10
	32	Vinyl acetate	43	10.607	10.607	(0.877)	791786	10.0000	10
M	33	1,2-Dichloroethene,Total	61				1003391	20.0000	20
	34	1,2-Dichloroethene (cis)	96	11.642	11.653	(0.963)	442444	10.0000	9.9
	35	Ethyl acetate	88	11.722	11.728	(0.970)	34318	10.0000	10
	36	Methyl Ethyl Ketone	72	11.669	11.674	(0.965)	173353	10.0000	10
*	37	Bromochloromethane	128	12.090	12.096	(1.000)	401211	10.0000	
	38	Tetrahydrofuran	42	12.133	12.139	(0.872)	350538	10.0000	9.9
	39	Chloroform	83	12.208	12.213	(1.010)	890169	10.0000	9.9
	40	Cyclohexane	84	12.539	12.544	(0.901)	624452	10.0000	9.9
	41	1,1,1-Trichloroethane	97	12.517	12.528	(0.900)	1002226	10.0000	9.7
	42	Carbon tetrachloride	117	12.779	12.784	(0.918)	1053418	10.0000	9.7
	43	2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	1934828	10.0000	9.7
	44	Benzene	78	13.184	13.190	(0.947)	1294912	10.0000	9.7
	45	1,2-Dichloroethane	62	13.307	13.318	(0.956)	591261	10.0000	9.9
	46	n-Heptane	43	13.537	13.542	(0.973)	686710	10.0000	9.7
*	47	1,4-Difluorobenzene	114	13.916	13.921	(1.000)	2253154	10.0000	
	48	n-Butanol	56	14.204	14.209	(1.021)	137628	10.0000	11
	49	Trichloroethene	95	14.369	14.375	(1.033)	620042	10.0000	9.9
	50	1,2-Dichloropropane	63	14.839	14.844	(1.066)	440693	10.0000	9.9
	51	Methyl methacrylate	69	14.967	14.972	(1.076)	383487	10.0000	10
	52	Dibromomethane	174	15.063	15.069	(1.082)	567613	10.0000	9.9
	53	1,4-Dioxane	88	15.036	15.042	(1.081)	160144	10.0000	10
	54	Bromodichloromethane	83	15.309	15.319	(1.100)	995183	10.0000	10
	55	1,3-Dichloropropene (cis)	75	16.157	16.163	(1.161)	742538	10.0000	10
	56	Methyl isobutyl ketone	43	16.397	16.408	(1.178)	639681	10.0000	10
	57	n-Octane	43	16.803	16.808	(1.207)	948142	10.0000	9.9
	58	Toluene	92	16.733	16.734	(0.861)	1007933	10.0000	10
	59	1,3-Dichloropropene (trans)	75	17.224	17.230	(1.238)	745958	10.0000	10
	60	1,1,2-Trichloroethane	83	17.571	17.577	(0.904)	444708	10.0000	9.9
	61	Tetrachloroethene	166	17.763	17.764	(0.914)	926086	10.0000	9.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	62 2-Hexanone	43	17.988	17.993	(0.925)	605102	10.0000	10
	63 Dibromochloromethane	129	18.308	18.313	(0.942)	1027659	10.0000	10
	64 1,2-Dibromoethane	107	18.580	18.586	(0.956)	885948	10.0000	10
*	65 Chlorobenzene-d5	117	19.445	19.450	(1.000)	2073964	10.0000	
	66 Chlorobenzene	112	19.503	19.509	(1.003)	1429826	10.0000	9.9
	67 n-Nonane	57	19.786	19.792	(1.018)	920611	10.0000	10
	68 Ethylbenzene	91	19.647	19.653	(1.010)	2098428	10.0000	10
	69 Xylene (m,p)	106	19.882	19.893	(1.022)	1771504	20.0000	20
M	70 Xylenes, Total	106				2635693	10.0000	31
	71 Xylene (o)	106	20.640	20.646	(1.061)	864189	10.0000	10
	72 Styrene	104	20.672	20.678	(1.063)	1274660	10.0000	11
	73 Bromoform	173	21.040	21.041	(1.082)	1007692	10.0000	11
	74 Isopropylbenzene	105	21.248	21.254	(1.093)	2437582	10.0000	10
	75 1,1,2,2-Tetrachloroethane	83	21.793	21.798	(1.121)	1102542	10.0000	10
	76 n-Propylbenzene	91	21.910	21.916	(1.127)	2783042	10.0000	10
	77 1,2,3-Trichloropropane	75	21.894	21.900	(1.126)	884697	10.0000	10
	78 n-Decane	57	22.092	22.097	(1.136)	1091015	10.0000	11
	79 4-Ethyltoluene	105	22.086	22.092	(1.136)	2463685	10.0000	10
	80 2-Chlorotoluene	91	22.097	22.103	(1.136)	2032900	10.0000	10
	81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	2067925	10.0000	10
	82 Alpha Methyl Styrene	118	22.529	22.535	(1.159)	1043505	10.0000	11
	83 tert-butylbenzene	119	22.657	22.658	(1.165)	2064921	10.0000	10
	84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	2035209	10.0000	10
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	2920860	10.0000	10
	86 4-Isopropyltoluene	119	23.164	23.170	(1.191)	2547705	10.0000	10
	87 1,3-Dichlorobenzene	146	23.196	23.202	(1.193)	1419779	10.0000	10
	88 1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	1372288	10.0000	10
	89 Benzyl chloride	91	23.517	23.522	(1.209)	1567614	10.0000	11
	90 Undecane	57	23.800	23.805	(1.224)	971164	10.0000	10
	91 n-Butylbenzene	91	23.762	23.768	(1.222)	1989472	10.0000	11
	92 1,2-Dichlorobenzene	146	23.885	23.890	(1.228)	1321899	10.0000	10
	93 Dodecane	57	25.459	25.465	(1.309)	651195	10.0000	12
	94 1,2,4-Trichlorobenzene	180	26.511	26.516	(1.363)	697804	10.0000	12
	95 1,3-Hexachlorobutadiene	225	26.729	26.735	(1.375)	769844	10.0000	10
	96 Naphthalene	128	27.007	27.012	(1.389)	1460644	10.0000	13
	97 1,2,3-Trichlorobenzene	180	27.509	27.514	(1.415)	596383	10.0000	13

Data File:	ckzg002.d	Date:	22-AUG-2012 12:39
Client ID:		Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 370604		
Lab Sample ID:	ccvis 370604		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: CCVIS 200-44077/2 Calibration Date: 08/27/2012 11:24

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzi002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6484	0.5580		8.60	10.0	-13.9	30.0
Dichlorodifluoromethane	Ave	2.746	2.498		9.10	10.0	-9.0	30.0
Freon 22	Ave	1.384	1.236		8.93	10.0	-10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.798	2.623		9.37	10.0	-6.2	30.0
Chloromethane	Ave	0.7657	0.6779		8.85	10.0	-11.5	30.0
n-Butane	Ave	1.354	1.191		8.79	10.0	-12.1	30.0
Vinyl chloride	Ave	0.9506	0.8619		9.07	10.0	-9.3	30.0
1,3-Butadiene	Ave	0.6877	0.6220		9.04	10.0	-9.5	30.0
Bromomethane	Ave	0.9137	0.8873		9.71	10.0	-2.9	30.0
Chloroethane	Ave	0.4767	0.4391		9.21	10.0	-7.9	30.0
Isopentane	Ave	1.031	0.8625		8.36	10.0	-16.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9751	0.9885		10.1	10.0	1.4	30.0
Trichlorofluoromethane	Ave	2.896	2.664		9.20	10.0	-8.0	30.0
n-Pentane	Ave	1.574	1.384		8.79	10.0	-12.1	30.0
Ethanol	Ave	0.2344	0.2098		13.4	15.0	-10.5	30.0
Ethyl ether	Ave	0.5994	0.5454		9.10	10.0	-9.0	30.0
Acrolein	Ave	0.2829	0.2538		8.97	10.0	-10.3	30.0
Freon TF	Ave	2.025	1.953		9.64	10.0	-3.6	30.0
1,1-Dichloroethene	Ave	0.9508	0.9312		9.79	10.0	-2.1	30.0
Acetone	Ave	1.101	1.084		9.84	10.0	-1.6	30.0
Carbon disulfide	Ave	2.669	2.598		9.73	10.0	-2.7	30.0
Isopropyl alcohol	Ave	0.7736	0.7499		9.69	10.0	-3.1	30.0
3-Chloropropene	Ave	1.125	0.9853		8.76	10.0	-12.4	30.0
Acetonitrile	Ave	0.4531	0.4028		8.89	10.0	-11.1	30.0
Methylene Chloride	Ave	0.9393	0.8102		8.62	10.0	-13.7	30.0
tert-Butyl alcohol	Ave	1.177	1.209		10.3	10.0	2.8	30.0
Methyl tert-butyl ether	Ave	2.647	2.461		9.30	10.0	-7.0	30.0
trans-1,2-Dichloroethene	Ave	1.399	1.277		9.12	10.0	-8.7	30.0
Acrylonitrile	Ave	0.5402	0.4986		9.23	10.0	-7.7	30.0
n-Hexane	Ave	1.513	1.376		9.09	10.0	-9.1	30.0
1,1-Dichloroethane	Ave	1.799	1.637		9.10	10.0	-9.0	30.0
Vinyl acetate	Ave	1.893	1.710		9.03	10.0	-9.7	30.0
cis-1,2-Dichloroethene	Ave	1.119	1.075		9.60	10.0	-4.0	30.0
Methyl Ethyl Ketone	Ave	0.4184	0.3947		9.43	10.0	-5.7	30.0
Ethyl acetate	Ave	0.0828	0.0813		9.82	10.0	-1.8	30.0
Tetrahydrofuran	Ave	0.1572	0.1344		8.55	10.0	-14.5	30.0
Chloroform	Ave	2.234	2.101		9.40	10.0	-6.0	30.0
1,1,1-Trichloroethane	Ave	0.4565	0.4268		9.35	10.0	-6.5	30.0
Cyclohexane	Ave	0.2805	0.2661		9.48	10.0	-5.1	30.0
Carbon tetrachloride	Ave	0.4819	0.4446		9.22	10.0	-7.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: CCVIS 200-44077/2 Calibration Date: 08/27/2012 11:24

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzi002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5923	0.5500		9.28	10.0	-7.1	30.0
2,2,4-Trimethylpentane	Ave	0.8821	0.7817		8.86	10.0	-11.4	30.0
1,2-Dichloroethane	Ave	0.2664	0.2441		9.16	10.0	-8.4	30.0
n-Heptane	Ave	0.3152	0.2680		8.50	10.0	-15.0	30.0
n-Butanol	Ave	0.0579	0.0557		9.62	10.0	-3.8	30.0
Trichloroethene	Ave	0.2787	0.2666		9.56	10.0	-4.4	30.0
1,2-Dichloropropane	Ave	0.1969	0.1822		9.25	10.0	-7.5	30.0
Methyl methacrylate	Ave	0.1681	0.1585		9.43	10.0	-5.7	30.0
1,4-Dioxane	Ave	0.0702	0.0712		10.1	10.0	1.4	30.0
Dibromomethane	Ave	0.2550	0.2587		10.1	10.0	1.4	30.0
Bromodichloromethane	Ave	0.4359	0.4211		9.66	10.0	-3.4	30.0
cis-1,3-Dichloropropene	Ave	0.3236	0.3114		9.62	10.0	-3.7	30.0
methyl isobutyl ketone	Ave	0.2796	0.2577		9.21	10.0	-7.8	30.0
Toluene	Ave	0.4794	0.4929		10.3	10.0	2.8	30.0
n-Octane	Ave	0.4253	0.3674		8.64	10.0	-13.6	30.0
trans-1,3-Dichloropropene	Ave	0.3207	0.3165		9.87	10.0	-1.3	30.0
1,1,2-Trichloroethane	Ave	0.2163	0.2163		10.0	10.0	0.0	30.0
Tetrachloroethene	Ave	0.4520	0.4786		10.6	10.0	5.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2793	0.2781		9.96	10.0	-0.4	30.0
Dibromochloromethane	Ave	0.4757	0.5112		10.7	10.0	7.5	30.0
1,2-Dibromoethane	Ave	0.4184	0.4420		10.6	10.0	5.6	30.0
Chlorobenzene	Ave	0.6941	0.7078		10.2	10.0	2.0	30.0
Ethylbenzene	Ave	1.008	0.9914		9.83	10.0	-1.7	30.0
n-Nonane	Ave	0.4389	0.4028		9.18	10.0	-8.2	30.0
m,p-Xylene	Ave	0.4201	0.4214		20.1	20.0	0.3	30.0
Xylene, o-	Ave	0.4067	0.4089		10.1	10.0	0.5	30.0
Styrene	Ave	0.5752	0.6151		10.7	10.0	6.9	30.0
Bromoform	Ave	0.4612	0.5095		11.0	10.0	10.5	30.0
Cumene	Ave	1.170	1.143		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5293	0.5031		9.50	10.0	-4.9	30.0
1,2,3-Trichloropropane	Ave	0.4280	0.4007		9.36	10.0	-6.4	30.0
n-Propylbenzene	Ave	1.307	1.283		9.81	10.0	-1.9	30.0
4-Ethyltoluene	Ave	1.133	1.151		10.2	10.0	1.6	30.0
n-Decane	Ave	0.4980	0.4721		9.48	10.0	-5.2	30.0
2-Chlorotoluene	Ave	0.9700	0.9462		9.75	10.0	-2.5	30.0
1,3,5-Trimethylbenzene	Ave	0.9824	0.9479		9.65	10.0	-3.5	30.0
Alpha Methyl Styrene	Ave	0.4584	0.4901		10.7	10.0	6.9	30.0
tert-Butylbenzene	Ave	0.9877	0.9494		9.61	10.0	-3.9	30.0
1,2,4-Trimethylbenzene	Ave	0.9504	0.9287		9.77	10.0	-2.3	30.0
sec-Butylbenzene	Ave	1.388	1.329		9.57	10.0	-4.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Lab Sample ID: CCVIS 200-44077/2 Calibration Date: 08/27/2012 11:24

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzi002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.178	1.173		9.95	10.0	-0.5	30.0
1,3-Dichlorobenzene	Ave	0.6694	0.6915		10.3	10.0	3.3	30.0
1,4-Dichlorobenzene	Ave	0.6483	0.6742		10.4	10.0	4.0	30.0
Benzyl chloride	Ave	0.7030	0.7237		10.3	10.0	2.9	30.0
n-Butylbenzene	Ave	0.8856	0.8985		10.1	10.0	1.5	30.0
n-Undecane	Ave	0.4617	0.4201		9.10	10.0	-9.0	30.0
1,2-Dichlorobenzene	Ave	0.6226	0.6399		10.3	10.0	2.8	30.0
n-Dodecane	Ave	0.2640	0.2882		10.9	10.0	9.1	30.0
1,2,4-Trichlorobenzene	Ave	0.2781	0.3535		12.7	10.0	27.1	30.0
Hexachlorobutadiene	Ave	0.3561	0.3721		10.4	10.0	4.5	30.0
Naphthalene	Ave	0.5526	0.6977		12.6	10.0	26.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2145	0.2932		13.7	10.0	36.7*	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzito15.b/ckzi002.d
Lab Smp Id: ccvis 370604
Inj Date : 27-AUG-2012 11:24
Operator : wrd Inst ID: C.i
Smp Info : ccvis 370604
Misc Info : 200,1,ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/to15v5.m
Meth Date : 28-Aug-2012 14:46 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	4.208	4.208	(0.348)	236581	10.0000	8.6
2	Dichlorodifluoromethane	85	4.299	4.304	(0.356)	1059056	10.0000	9.1
3	Chlorodifluoromethane	51	4.357	4.363	(0.361)	524165	10.0000	8.9
4	1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.385)	1112206	10.0000	9.4
5	Chloromethane	50	4.811	4.811	(0.398)	287394	10.0000	8.9
6	Butane	43	5.078	5.078	(0.420)	504871	10.0000	8.8
7	Vinyl chloride	62	5.115	5.121	(0.423)	365447	10.0000	9.1
8	1,3-Butadiene	54	5.216	5.217	(0.432)	263727	10.0000	9.0
9	Bromomethane	94	6.001	6.012	(0.497)	376180	10.0000	9.7
10	Chloroethane	64	6.273	6.284	(0.519)	186172	10.0000	9.2
11	2-Methylbutane	43	6.391	6.396	(0.529)	365697	10.0000	8.4
12	Vinyl bromide	106	6.716	6.727	(0.556)	419098	10.0000	10
13	Trichlorofluoromethane	101	6.850	6.860	(0.567)	1129515	10.0000	9.2
14	Pentane	43	7.015	7.026	(0.581)	586721	10.0000	8.8

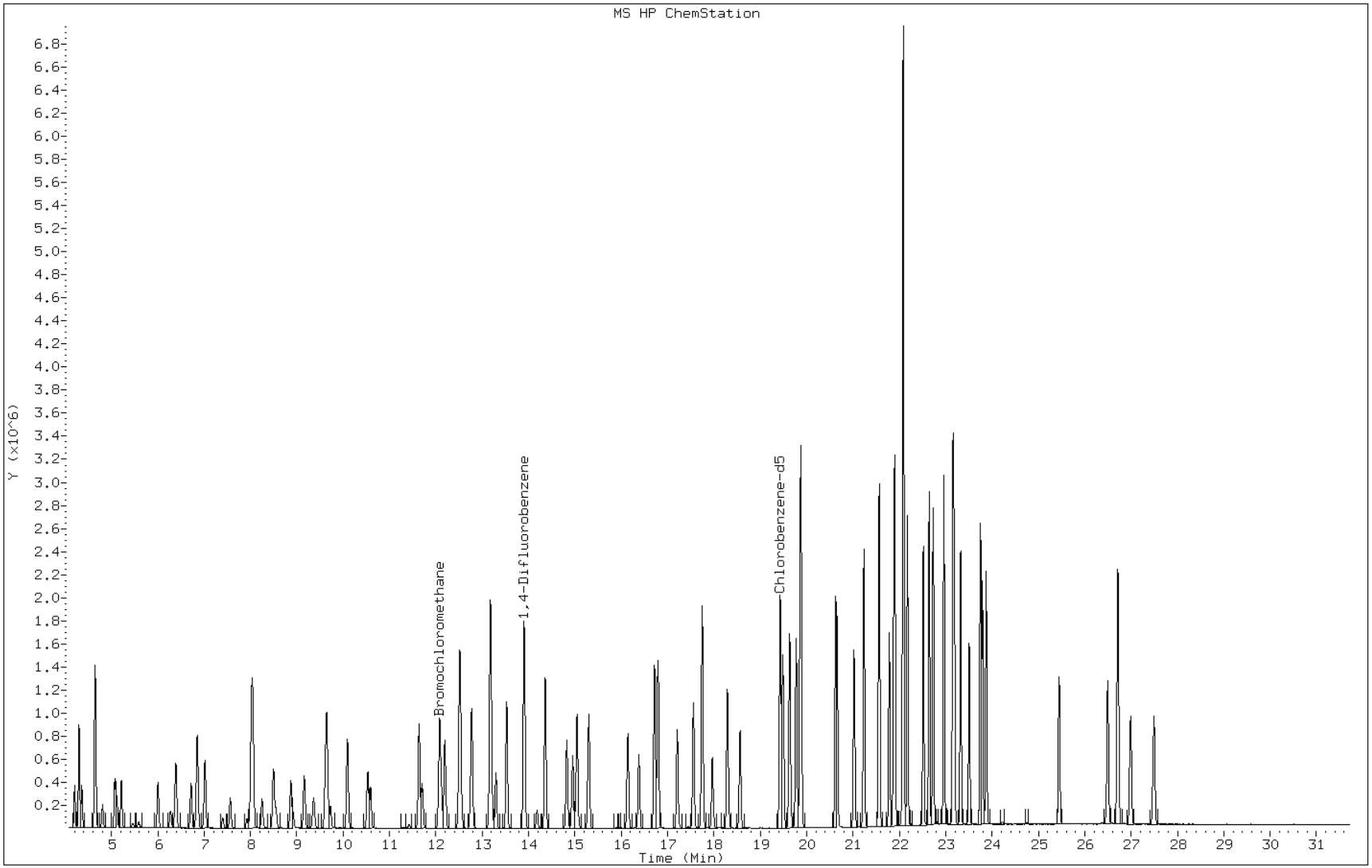
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	7.399	7.426	(0.613)	133463	15.0000	13
	16 Ethyl ether	59	7.559	7.581	(0.626)	231252	10.0000	9.1
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.029	8.034	(0.665)	827931	10.0000	9.6
	18 Acrolein	56	7.928	7.938	(0.656)	107598	10.0000	9.0
	19 1,1-Dichloroethene	96	8.061	8.072	(0.667)	394794	10.0000	9.8
	20 Acetone	43	8.248	8.269	(0.683)	459458	10.0000	9.8
	21 Carbon disulfide	76	8.493	8.509	(0.703)	1101323	10.0000	9.7
	22 Isopropanol	45	8.547	8.573	(0.708)	317950	10.0000	9.7
	23 Allyl chloride	41	8.872	8.883	(0.734)	417737	10.0000	8.8(M)
	24 Acetonitrile	41	8.915	8.942	(0.738)	170797	10.0000	8.9(M)
	25 Methylene chloride	49	9.160	9.177	(0.758)	343522	10.0000	8.6
	26 Tert-butyl alcohol	59	9.363	9.390	(0.775)	512740	10.0000	10
	27 Methyl tert-butyl ether	73	9.625	9.641	(0.797)	1043525	10.0000	9.3
	28 1,2-Dichloroethene (trans)	61	9.651	9.668	(0.799)	541416	10.0000	9.1
	29 Acrylonitrile	53	9.721	9.748	(0.805)	211401	10.0000	9.2
	30 n-Hexane	57	10.089	10.105	(0.835)	583373	10.0000	9.1
	31 1,1-Dichloroethane	63	10.532	10.548	(0.872)	694128	10.0000	9.1
	32 Vinyl acetate	43	10.591	10.607	(0.877)	725005	10.0000	9.0
M	33 1,2-Dichloroethene,Total	61				997164	20.0000	19
	34 1,2-Dichloroethene (cis)	96	11.637	11.653	(0.963)	455748	10.0000	9.6
	35 Ethyl acetate	88	11.711	11.728	(0.970)	34461	10.0000	9.8(Q)
	36 Methyl Ethyl Ketone	72	11.647	11.674	(0.964)	167341	10.0000	9.4
*	37 Bromochloromethane	128	12.080	12.096	(1.000)	424064	10.0000	
	38 Tetrahydrofuran	42	12.117	12.139	(0.871)	316906	10.0000	8.5
	39 Chloroform	83	12.197	12.213	(1.010)	890670	10.0000	9.4
	40 Cyclohexane	84	12.528	12.544	(0.901)	627350	10.0000	9.5
	41 1,1,1-Trichloroethane	97	12.512	12.528	(0.900)	1006218	10.0000	9.3
	42 Carbon tetrachloride	117	12.768	12.784	(0.918)	1048131	10.0000	9.2
	43 2,2,4-Trimethylpentane	57	13.184	13.201	(0.948)	1842907	10.0000	8.9
	44 Benzene	78	13.174	13.190	(0.947)	1296689	10.0000	9.3
	45 1,2-Dichloroethane	62	13.297	13.318	(0.956)	575495	10.0000	9.2
	46 n-Heptane	43	13.531	13.542	(0.973)	631859	10.0000	8.5
*	47 1,4-Difluorobenzene	114	13.905	13.921	(1.000)	2358170	10.0000	
	48 n-Butanol	56	14.182	14.209	(1.020)	131313	10.0000	9.6
	49 Trichloroethene	95	14.359	14.375	(1.033)	628491	10.0000	9.6
	50 1,2-Dichloropropane	63	14.823	14.844	(1.066)	429544	10.0000	9.2
	51 Methyl methacrylate	69	14.951	14.972	(1.075)	373779	10.0000	9.4
	52 Dibromomethane	174	15.047	15.069	(1.082)	609915	10.0000	10
	53 1,4-Dioxane	88	15.015	15.042	(1.080)	167788	10.0000	10
	54 Bromodichloromethane	83	15.298	15.319	(1.100)	992870	10.0000	9.7
	55 1,3-Dichloropropene (cis)	75	16.141	16.163	(1.161)	734245	10.0000	9.6
	56 Methyl isobutyl ketone	43	16.381	16.408	(1.178)	607632	10.0000	9.2
	57 n-Octane	43	16.792	16.808	(1.208)	866288	10.0000	8.6
	58 Toluene	92	16.718	16.734	(0.860)	1025382	10.0000	10
	59 1,3-Dichloropropene (trans)	75	17.209	17.230	(1.238)	746316	10.0000	9.9
	60 1,1,2-Trichloroethane	83	17.555	17.577	(0.904)	449966	10.0000	10
	61 Tetrachloroethene	166	17.748	17.764	(0.913)	995727	10.0000	11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.966	17.993	(0.925)	578604	10.0000	10
63	Dibromochloromethane	129	18.292	18.313	(0.941)	1063526	10.0000	11
64	1,2-Dibromoethane	107	18.564	18.586	(0.955)	919500	10.0000	11
* 65	Chlorobenzene-d5	117	19.429	19.450	(1.000)	2080802	10.0000	
66	Chlorobenzene	112	19.487	19.509	(1.003)	1472398	10.0000	10
67	n-Nonane	57	19.776	19.792	(1.018)	838065	10.0000	9.2
68	Ethylbenzene	91	19.637	19.653	(1.011)	2062402	10.0000	9.8
69	Xylene (m,p)	106	19.872	19.893	(1.023)	1753496	20.0000	20
M 70	Xylenes, Total	106				2604184	10.0000	30
71	Xylene (o)	106	20.629	20.646	(1.062)	850688	10.0000	10
72	Styrene	104	20.661	20.678	(1.063)	1279552	10.0000	11
73	Bromoform	173	21.024	21.041	(1.082)	1059962	10.0000	11
74	Isopropylbenzene	105	21.238	21.254	(1.093)	2377571	10.0000	9.8
75	1,1,2,2-Tetrachloroethane	83	21.782	21.798	(1.121)	1046618	10.0000	9.5
76	n-Propylbenzene	91	21.900	21.916	(1.127)	2668976	10.0000	9.8
77	1,2,3-Trichloropropane	75	21.878	21.900	(1.126)	833646	10.0000	9.4
78	n-Decane	57	22.081	22.097	(1.137)	982246	10.0000	9.5
79	4-Ethyltoluene	105	22.076	22.092	(1.136)	2393573	10.0000	10
80	2-Chlorotoluene	91	22.086	22.103	(1.137)	1968369	10.0000	9.8
81	1,3,5-Trimethylbenzene	105	22.177	22.193	(1.141)	1972009	10.0000	9.6
82	Alpha Methyl Styrene	118	22.519	22.535	(1.159)	1019575	10.0000	11
83	tert-butylbenzene	119	22.647	22.658	(1.166)	1975152	10.0000	9.6
84	1,2,4-Trimethylbenzene	105	22.732	22.748	(1.170)	1932029	10.0000	9.8
85	sec-Butylbenzene	105	22.962	22.972	(1.182)	2764413	10.0000	9.6
86	4-Isopropyltoluene	119	23.154	23.170	(1.192)	2440166	10.0000	10
87	1,3-Dichlorobenzene	146	23.186	23.202	(1.193)	1438633	10.0000	10
88	1,4-Dichlorobenzene	146	23.325	23.335	(1.201)	1402530	10.0000	10
89	Benzyl chloride	91	23.506	23.522	(1.210)	1505512	10.0000	10
90	Undecane	57	23.789	23.805	(1.224)	873997	10.0000	9.1
91	n-Butylbenzene	91	23.752	23.768	(1.222)	1869161	10.0000	10
92	1,2-Dichlorobenzene	146	23.874	23.890	(1.229)	1331335	10.0000	10
93	Dodecane	57	25.449	25.465	(1.310)	599477	10.0000	11
94	1,2,4-Trichlorobenzene	180	26.495	26.516	(1.364)	735312	10.0000	13
95	1,3-Hexachlorobutadiene	225	26.714	26.735	(1.375)	774009	10.0000	10
96	Naphthalene	128	26.991	27.012	(1.389)	1451470	10.0000	13
97	1,2,3-Trichlorobenzene	180	27.493	27.514	(1.415)	609998	10.0000	14

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzi002.d	Date:	27-AUG-2012 11:24
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 370604		
Lab Sample ID:	ccvis 370604		



Manual Integration Report

Data File: ckzi002.d
Lab Sample ID: ccvis 370604
Inj. Date and Time: 27-AUG-2012 11:24
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 08/28/2012

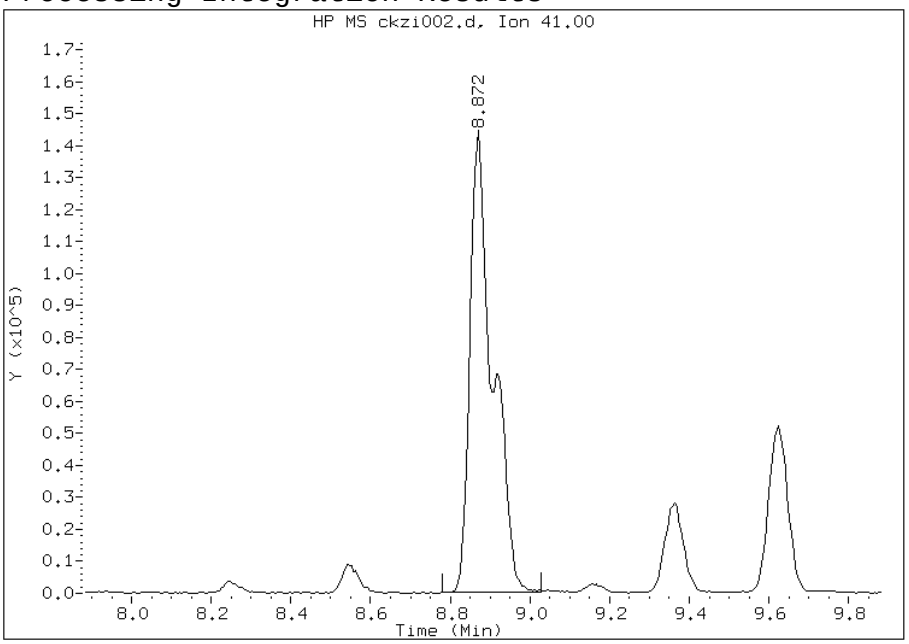
Processing Integration Results

RT: 8.87

Response: 575126

Amount: 12.06

Conc: 12.06



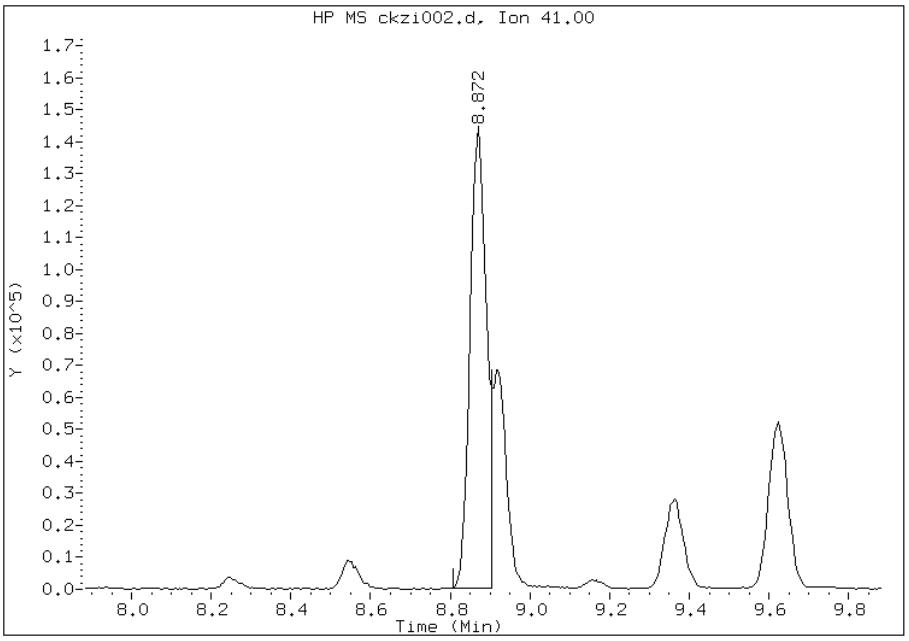
Manual Integration Results

RT: 8.87

Response: 417737

Amount: 8.76

Conc: 8.76



File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzi002.d
Lab Sample ID: ccvis 370604
Inj. Date and Time: 27-AUG-2012 11:24
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 08/28/2012

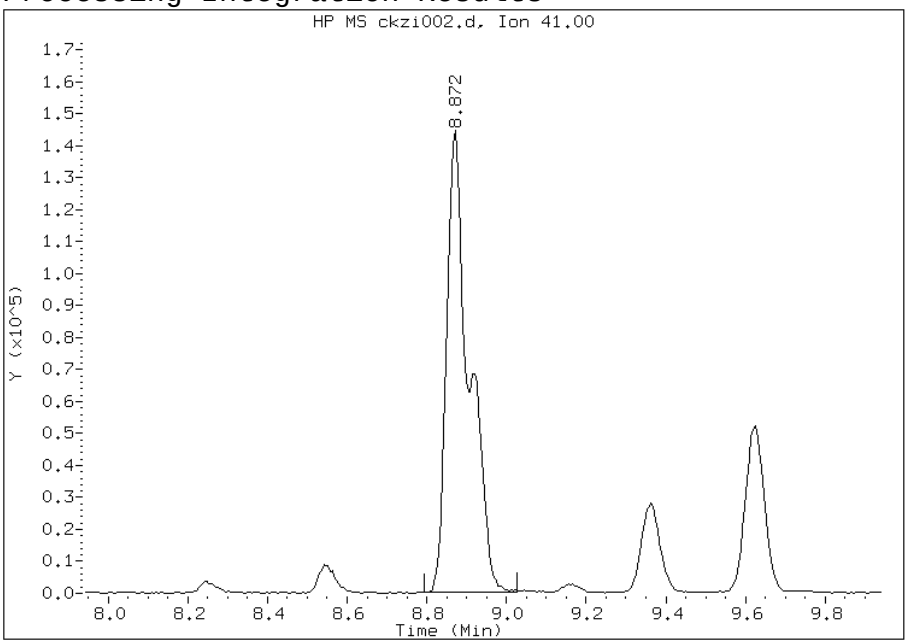
Processing Integration Results

RT: 8.87

Response: 574702

Amount: 29.91

Conc: 29.91



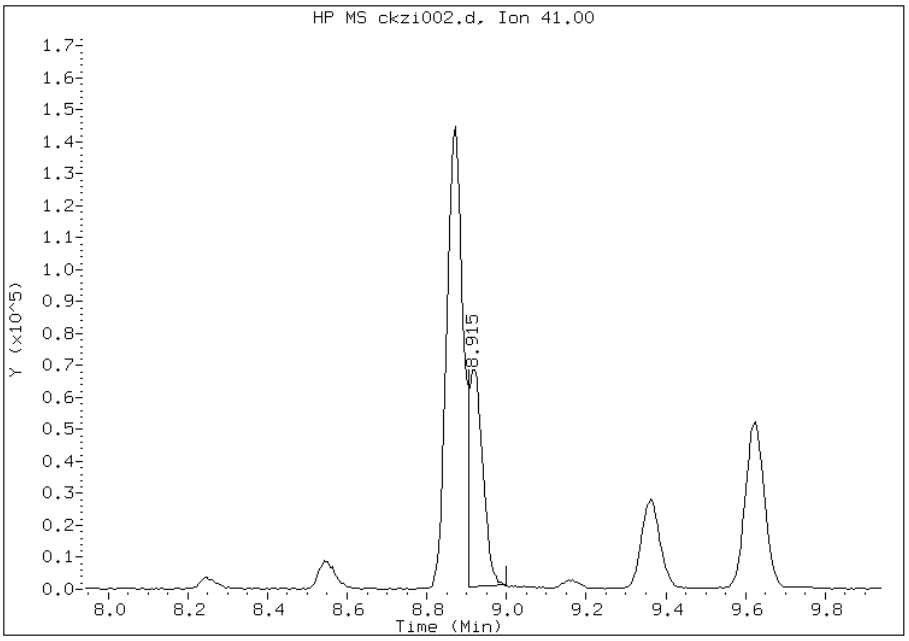
Manual Integration Results

RT: 8.91

Response: 170797

Amount: 8.89

Conc: 8.89



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-AUG-2012 16:28
Operator : wrd Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

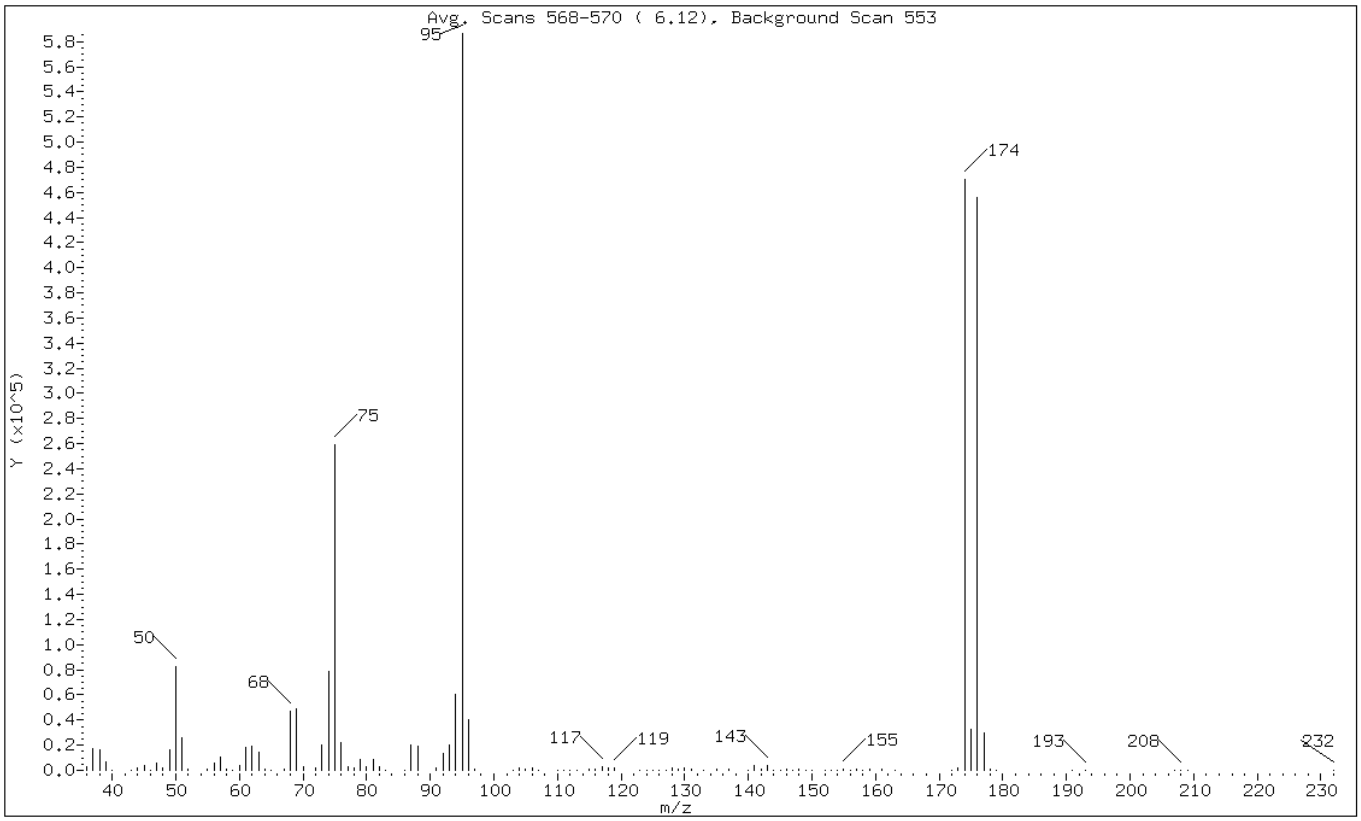
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.116	6.760	-0.644	95	586474			100.00- 100.00	100.00
6.116	6.760	-0.644	50	82672			8.00- 40.00	14.10
6.116	6.760	-0.644	75	259264			30.00- 66.00	44.21
6.116	6.760	-0.644	96	40215			5.00- 9.00	6.86
6.116	6.760	-0.644	173	1520			0.00- 2.00	0.32
6.116	6.760	-0.644	174	470464			50.00- 120.00	80.22
6.116	6.760	-0.644	175	32581			4.00- 9.00	6.93
6.116	6.760	-0.644	176	455701			93.00- 101.00	96.86
6.116	6.760	-0.644	177	30111			5.00- 9.00	6.61

Data File:	ckz001.d	Date:	14-AUG-2012 16:28
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.10
75	30.00 - 66.00% of mass 95	44.21
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.26 (0.32)
174	50.00 - 120.00% of mass 95	80.22
175	4.00 - 9.00% of mass 174	5.56 (6.93)
176	93.00 - 101.00% of mass 174	77.70 (96.86)
177	5.00 - 9.00% of mass 176	5.13 (6.61)

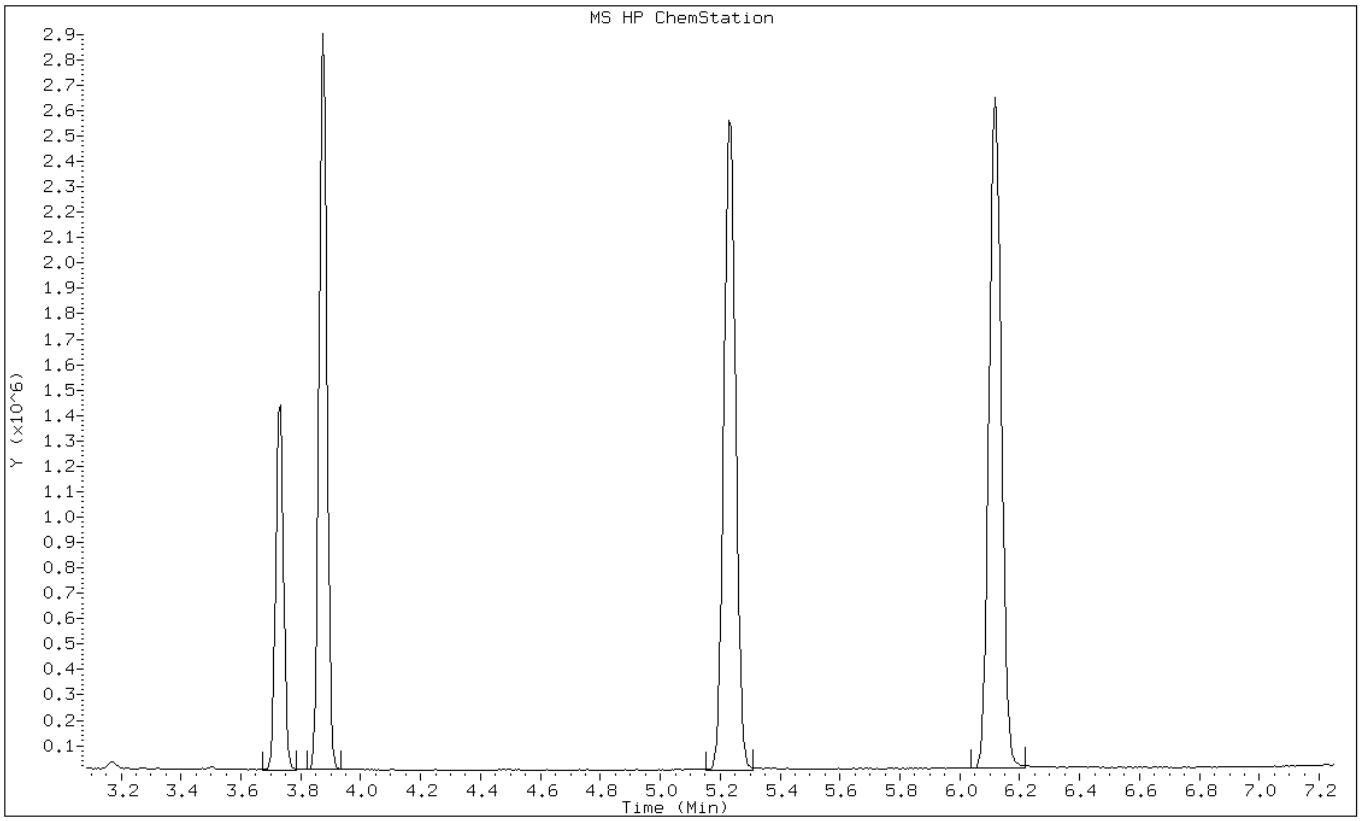
Data File: ckz001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 14-AUG-2012 16:28
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckzto15.b/ckz001.d
Spectrum: Avg. Scans 568-570 (6.12), Background Scan 553
Location of Maximum: 95.00
Number of points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2985	70.00	3336	111.00	228	149.00	403
37.00	17592	72.00	2162	112.00	67	150.00	454
38.00	16247	73.00	19888	113.00	287	152.00	157
39.00	6378	74.00	78856	115.00	555	153.00	417
40.00	152	75.00	259264	116.00	1431	154.00	318
43.00	153	76.00	21600	117.00	2678	155.00	1255
44.00	1517	77.00	2864	118.00	1676	156.00	228
45.00	3364	78.00	1876	119.00	2168	157.00	917
46.00	76	79.00	8261	123.00	75	158.00	175
47.00	5843	80.00	3193	124.00	270	159.00	627
48.00	2098	81.00	8429	125.00	146	161.00	699
49.00	16400	82.00	2522	126.00	84	163.00	77
50.00	82672	83.00	75	127.00	272	172.00	66
51.00	25936	86.00	396	128.00	1734	173.00	1520
52.00	1027	87.00	19680	129.00	853	174.00	470464
55.00	875	88.00	19512	130.00	1836	175.00	32576
56.00	5519	91.00	1563	131.00	796	176.00	455680
57.00	10744	92.00	13480	133.00	346	177.00	30104
58.00	512	93.00	20224	135.00	616	178.00	877
59.00	77	94.00	60048	137.00	690	179.00	73
60.00	3459	95.00	586432	140.00	381	191.00	69
61.00	18464	96.00	40208	141.00	3959	193.00	162
62.00	19304	97.00	1298	142.00	491	207.00	323
63.00	14637	103.00	105	143.00	4195	208.00	376
64.00	1316	104.00	1589	144.00	240	209.00	199
65.00	75	105.00	687	145.00	370	232.00	273
67.00	1043	106.00	1729	146.00	701		
68.00	46808	107.00	432	147.00	193		
69.00	49264	110.00	165	148.00	1188		

Data File:	ckz001.d	Date:	14-AUG-2012 16:28
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckzgto15.b/ckzg001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 22-AUG-2012 11:45
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

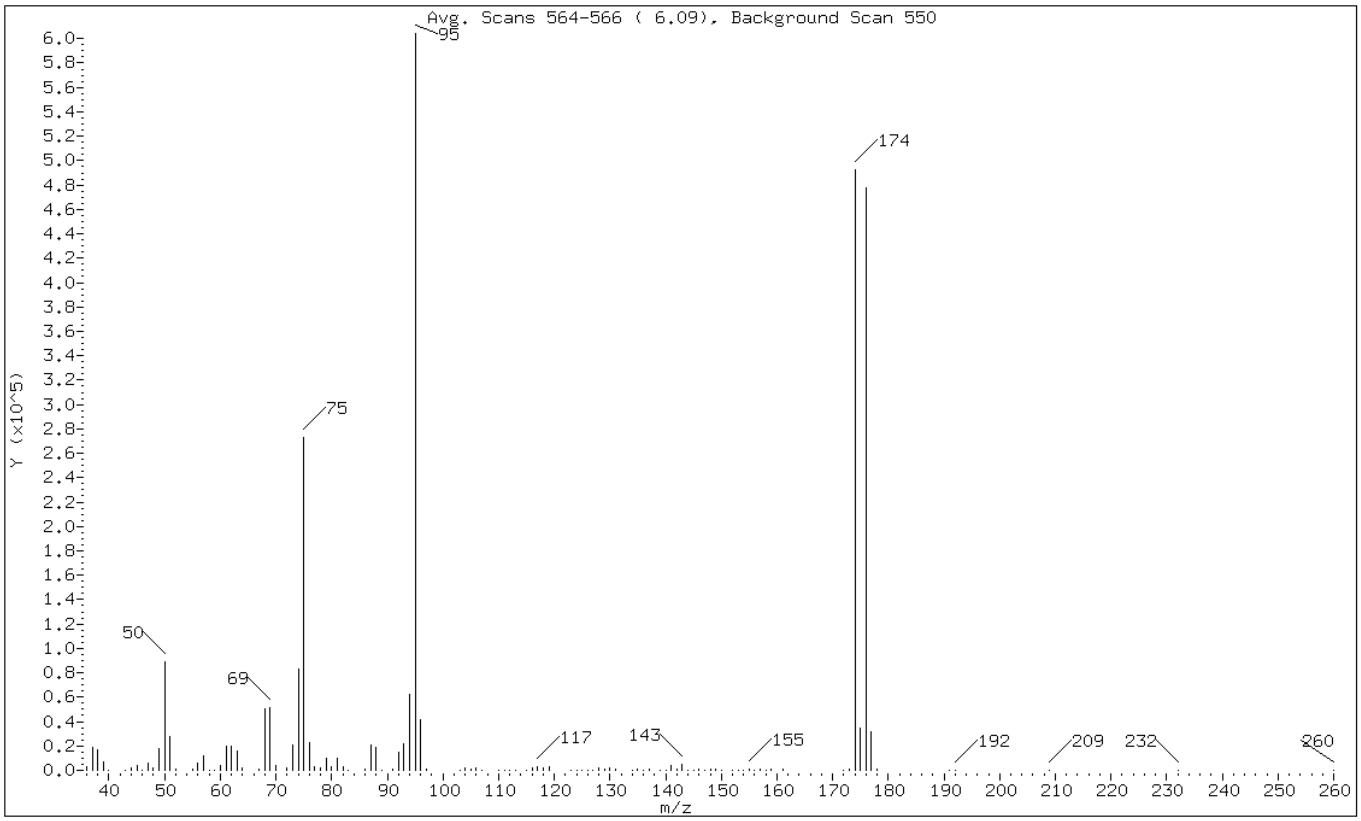
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.095	6.760	-0.665	95	604245			100.00- 100.00	100.00
6.095	6.760	-0.665	50	89274			8.00- 40.00	14.77
6.095	6.760	-0.665	75	272554			30.00- 66.00	45.11
6.095	6.760	-0.665	96	41705			5.00- 9.00	6.90
6.095	6.760	-0.665	173	941			0.00- 2.00	0.19
6.095	6.760	-0.665	174	492074			50.00- 120.00	81.44
6.095	6.760	-0.665	175	34592			4.00- 9.00	7.03
6.095	6.760	-0.665	176	478080			93.00- 101.00	97.16
6.095	6.760	-0.665	177	31175			5.00- 9.00	6.52

Data File: ckzg001.d
Client ID: BFB
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 22-AUG-2012 11:45
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.77
75	30.00 - 66.00% of mass 95	45.11
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.16 (0.19)
174	50.00 - 120.00% of mass 95	81.44
175	4.00 - 9.00% of mass 174	5.72 (7.03)
176	93.00 - 101.00% of mass 174	79.12 (97.16)
177	5.00 - 9.00% of mass 176	5.16 (6.52)

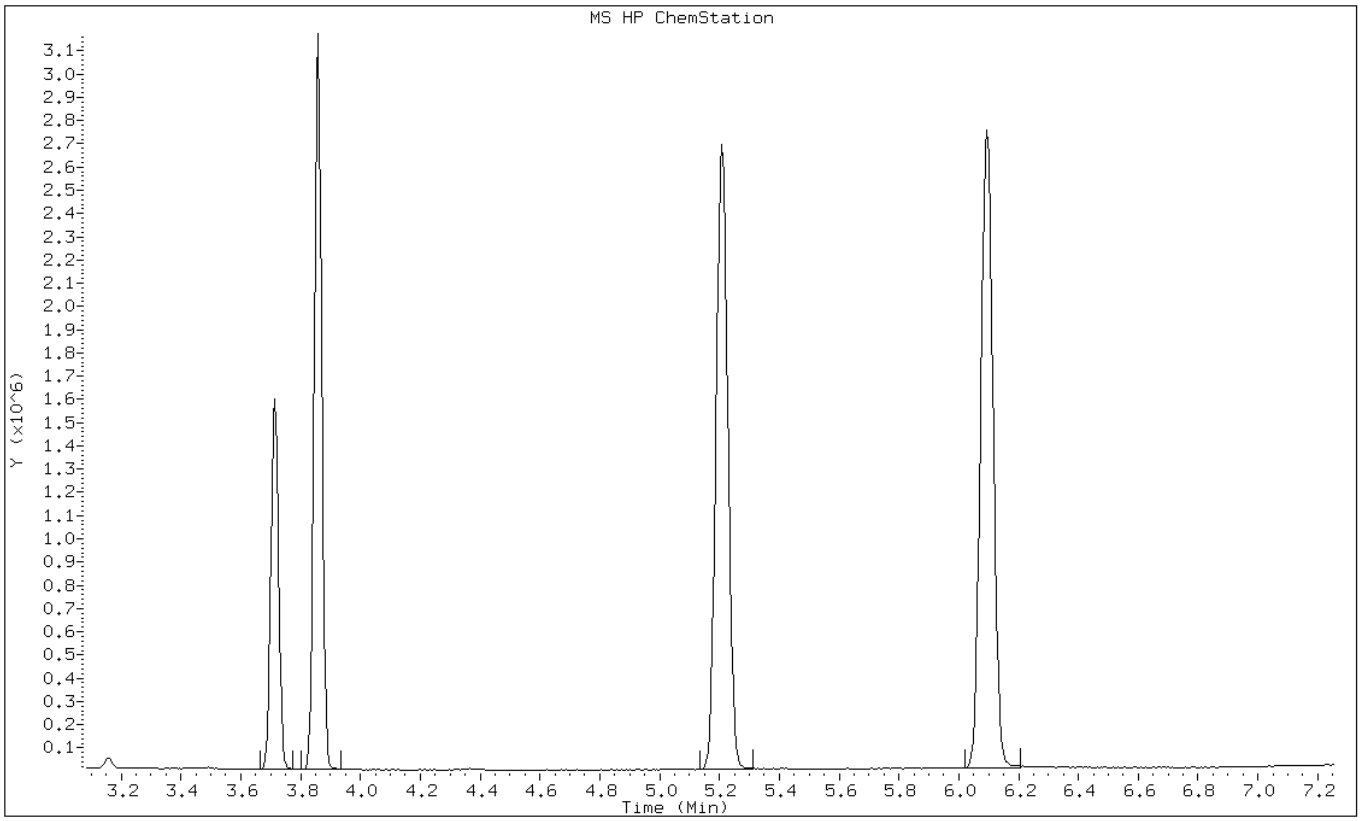
Data File: ckzg001.d
Client ID: BFB
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 22-AUG-2012 11:45
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckzgto15.b/ckzg001.d
Spectrum: Avg. Scans 564-566 (6.09), Background Scan 550
Location of Maximum: 95.00
Number of points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3269	72.00	2240	111.00	184	147.00	327
37.00	18744	73.00	20304	112.00	196	148.00	1225
38.00	17160	74.00	82760	113.00	262	149.00	502
39.00	7112	75.00	272512	115.00	466	150.00	483
40.00	270	76.00	22960	116.00	1575	152.00	317
43.00	84	77.00	2760	117.00	2791	153.00	393
44.00	1839	78.00	2218	118.00	1613	154.00	324
45.00	3855	79.00	9411	119.00	2619	155.00	1302
46.00	75	80.00	3432	123.00	94	156.00	354
47.00	5752	81.00	9419	124.00	338	157.00	899
48.00	2095	82.00	2638	125.00	79	158.00	74
49.00	17312	83.00	318	126.00	189	159.00	659
50.00	89272	86.00	545	127.00	308	161.00	556
51.00	27520	87.00	20600	128.00	1692	172.00	76
52.00	1331	88.00	18816	129.00	974	173.00	941
55.00	1007	89.00	94	130.00	1763	174.00	492032
56.00	5802	91.00	1175	131.00	639	175.00	34592
57.00	12261	92.00	14879	134.00	156	176.00	478080
58.00	431	93.00	22080	135.00	651	177.00	31168
59.00	76	94.00	62320	136.00	147	178.00	848
60.00	3878	95.00	604224	137.00	803	191.00	16
61.00	20240	96.00	41704	139.00	74	192.00	72
62.00	20192	97.00	1394	140.00	303	209.00	16
63.00	15654	103.00	329	141.00	4078	232.00	16
64.00	1484	104.00	1716	142.00	513	260.00	138
67.00	1250	105.00	705	143.00	4486		
68.00	50432	106.00	1837	144.00	331		
69.00	51480	107.00	456	145.00	212		
70.00	3908	110.00	144	146.00	779		

Data File:	ckzg001.d	Date:	22-AUG-2012 11:45
Client ID:	BFB	Instrument:	C.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckzito15.b/ckzi001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 27-AUG-2012 10:30
Operator : wrd Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

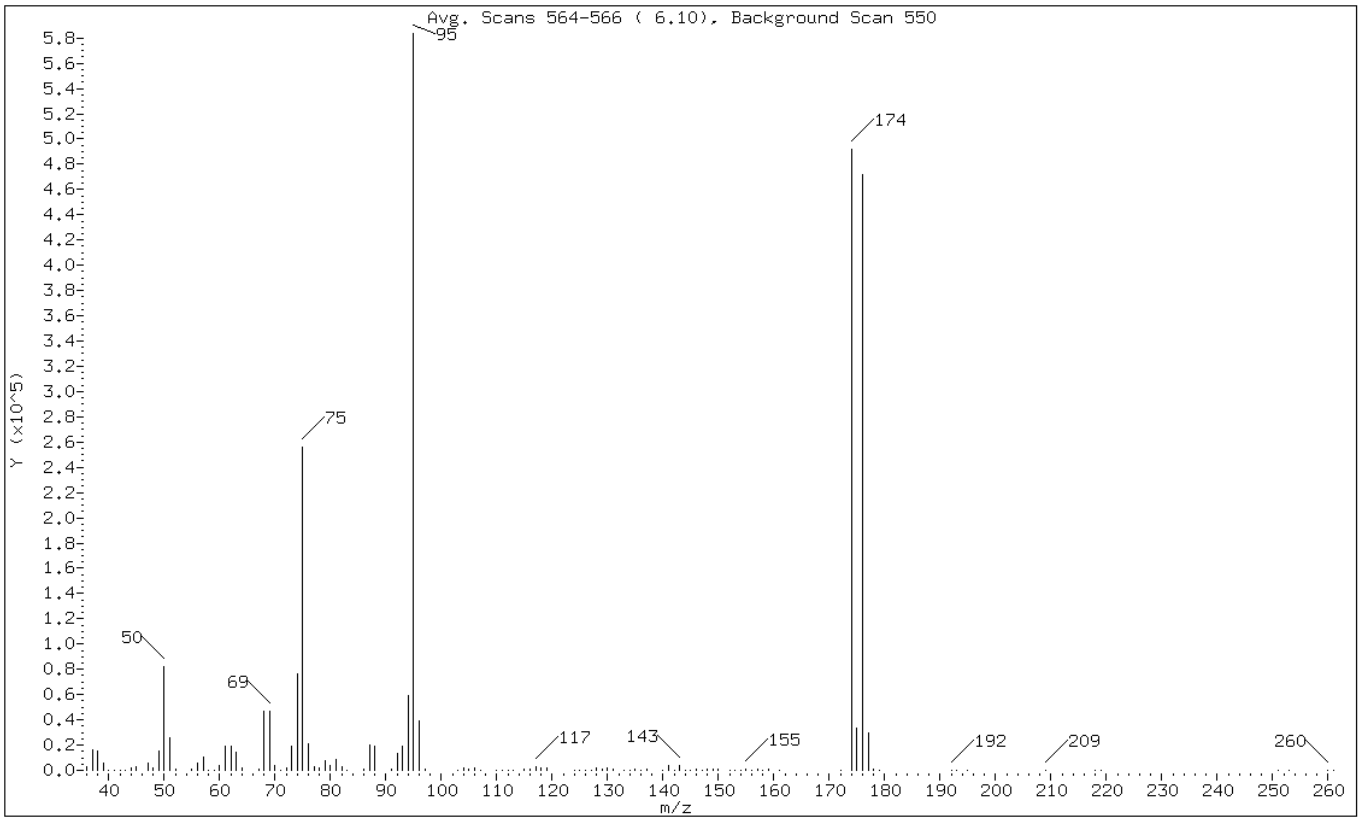
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.095	6.760	-0.665	95	583552			100.00- 100.00	100.00
6.095	6.760	-0.665	50	81941			8.00- 40.00	14.04
6.095	6.760	-0.665	75	256106			30.00- 66.00	43.89
6.095	6.760	-0.665	96	38707			5.00- 9.00	6.63
6.095	6.760	-0.665	173	0			0.00- 2.00	0.00
6.095	6.760	-0.665	174	492053			50.00- 120.00	84.32
6.095	6.760	-0.665	175	33853			4.00- 9.00	6.88
6.095	6.760	-0.665	176	471402			93.00- 101.00	95.80
6.095	6.760	-0.665	177	30059			5.00- 9.00	6.38

Data File: ckzi001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 27-AUG-2012 10:30
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.04
75	30.00 - 66.00% of mass 95	43.89
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	84.32
175	4.00 - 9.00% of mass 174	5.80 (6.88)
176	93.00 - 101.00% of mass 174	80.78 (95.80)
177	5.00 - 9.00% of mass 176	5.15 (6.38)

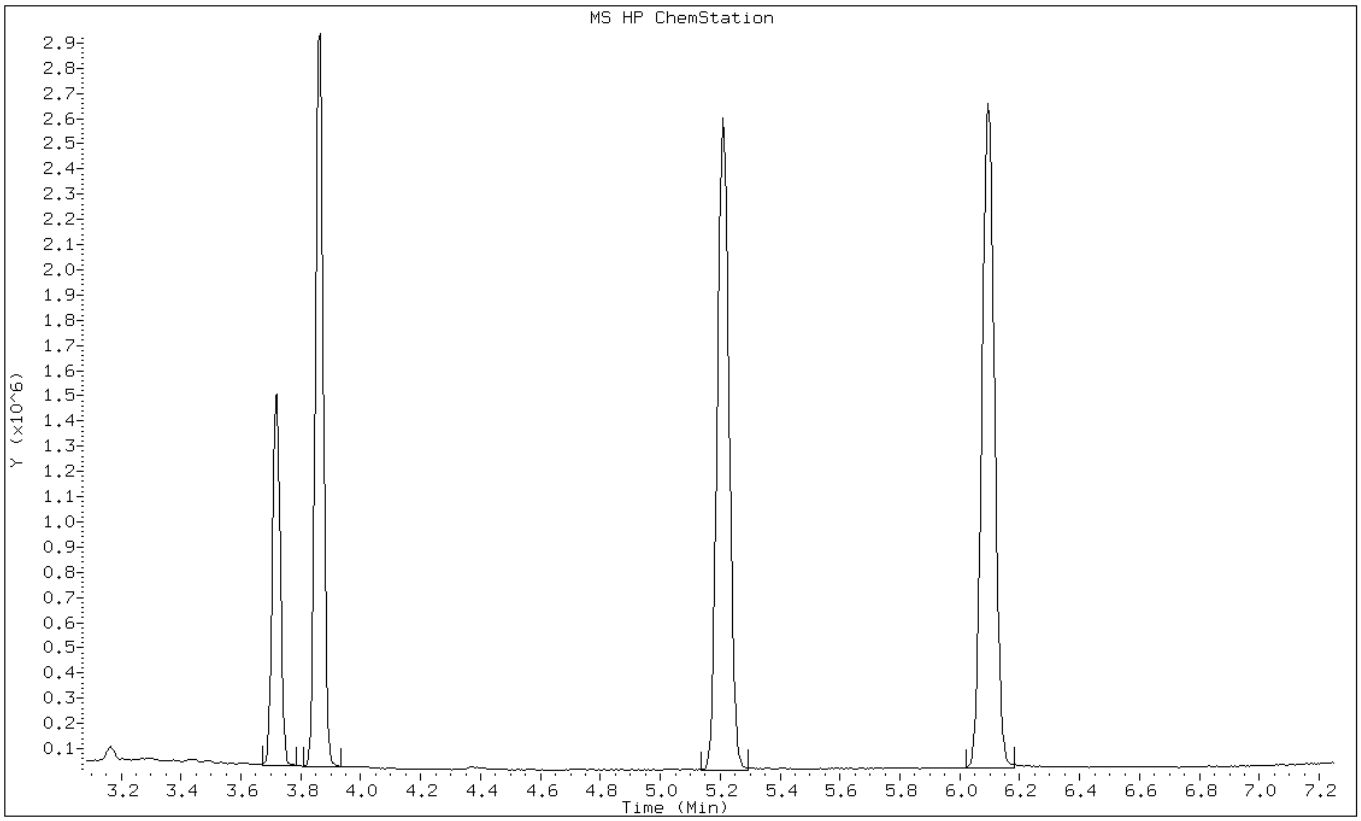
Data File: ckzi001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 27-AUG-2012 10:30
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckzito15.b/ckzi001.d
Spectrum: Avg. Scans 564-566 (6.10), Background Scan 550
Location of Maximum: 95.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2946	71.00	68	112.00	151	150.00	538
37.00	16680	72.00	2077	113.00	268	152.00	269
38.00	15354	73.00	18944	115.00	602	153.00	330
39.00	6096	74.00	76024	116.00	1294	154.00	450
40.00	277	75.00	256064	117.00	2583	155.00	1431
41.00	23	76.00	21360	118.00	1523	156.00	342
42.00	67	77.00	2439	119.00	2238	157.00	939
43.00	268	78.00	1790	124.00	281	158.00	69
44.00	1614	79.00	7672	125.00	302	159.00	531
45.00	3310	80.00	3493	126.00	282	161.00	326
47.00	5335	81.00	8451	127.00	309	172.00	85
48.00	2096	82.00	2717	128.00	1662	174.00	492032
49.00	15634	83.00	89	129.00	812	175.00	33848
50.00	81936	86.00	496	130.00	1710	176.00	471360
51.00	25512	87.00	19936	131.00	736	177.00	30056
52.00	1135	88.00	18896	133.00	49	178.00	996
55.00	904	91.00	1019	134.00	99	179.00	160
56.00	5805	92.00	13268	135.00	717	192.00	222
57.00	10929	93.00	19272	136.00	109	193.00	165
58.00	397	94.00	59088	137.00	750	195.00	72
59.00	91	95.00	583552	140.00	319	209.00	238
60.00	3759	96.00	38704	141.00	3768	218.00	71
61.00	18960	97.00	1195	142.00	412	219.00	81
62.00	18760	103.00	172	143.00	4187	251.00	90
63.00	14093	104.00	1496	144.00	290	253.00	14
64.00	1472	105.00	688	145.00	419	260.00	283
67.00	1073	106.00	1606	146.00	785	261.00	174
68.00	46616	107.00	374	147.00	370		
69.00	47136	110.00	169	148.00	1201		
70.00	3462	111.00	257	149.00	490		

Data File:	ckzi001.d	Date:	27-AUG-2012 10:30
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44077/4

Matrix: Air Lab File ID: ckzi004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 13:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.080	U	0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.080	U	0.50	0.034
106-97-8	n-Butane	58.12	0.080	U	0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.021
76-13-1	Freon TF	187.38	0.080	U	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	0.50	U	5.0	0.40
67-63-0	Isopropyl alcohol	60.10	0.20	U	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.0910	J	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.080	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.080	U	0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.080	U	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.040	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.040	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44077/4

Matrix: Air Lab File ID: ckzi004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 13:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.040	U	0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.080	U	0.50	0.034
108-88-3	Toluene	92.14	0.040	U	0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.040	U	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.040	U	0.50	0.022
95-47-6	Xylene, o-	106.17	0.040	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.040	U	0.20	0.016
100-42-5	Styrene	104.15	0.040	U	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.080	U	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44077/4

Matrix: Air Lab File ID: ckzi004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 13:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44077/4

Matrix: Air Lab File ID: ckzi004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 13:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.40	U	2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.17	U	1.0	0.070
106-97-8	n-Butane	58.12	0.19	U	1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.12
76-13-1	Freon TF	187.38	0.61	U	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	1.2	U	12	0.95
67-63-0	Isopropyl alcohol	60.10	0.49	U	12	0.19
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.316	J	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.28	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	0.24	U	1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.24	U	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.14	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.25	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.13	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44077/4

Matrix: Air Lab File ID: ckzi004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 13:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.33	U	2.0	0.14
108-88-3	Toluene	92.14	0.15	U	0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.17	U	0.87	0.065
179601-23-1	m,p-Xylene	106.17	0.17	U	2.2	0.096
95-47-6	Xylene, o-	106.17	0.17	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.17	U	0.87	0.069
100-42-5	Styrene	104.15	0.17	U	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.39	U	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44077/4

Matrix: Air Lab File ID: ckzi004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 13:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzito15.b/ckzi004.d
Lab Smp Id: mb
Inj Date : 27-AUG-2012 13:08
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1,mb
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/to15v5.m
Meth Date : 28-Aug-2012 10:42 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.806	4.811	(0.398)	836	0.03074	0.031(a)
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	9.161	9.177	(0.759)	3037	0.09104	0.091(aQ)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.074	12.096	(1.000)	355153	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.900	13.921	(1.000)	2047009	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					

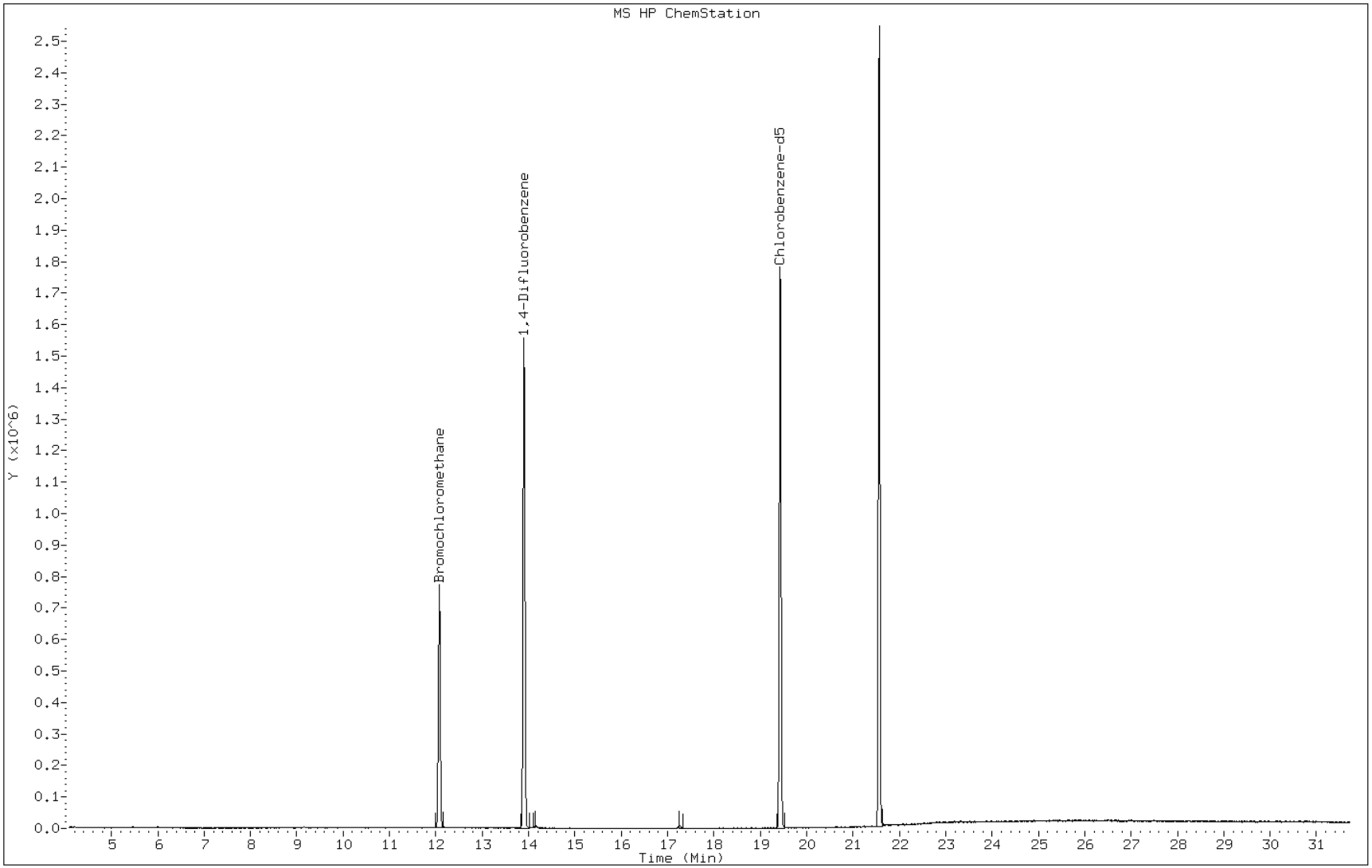
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.429	19.450	(1.000)	1805555	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: ckzi004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 27-AUG-2012 13:08
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Data File: ckzi004.d

Lab Sample ID: mb

Date: 27-AUG-2012 13:08

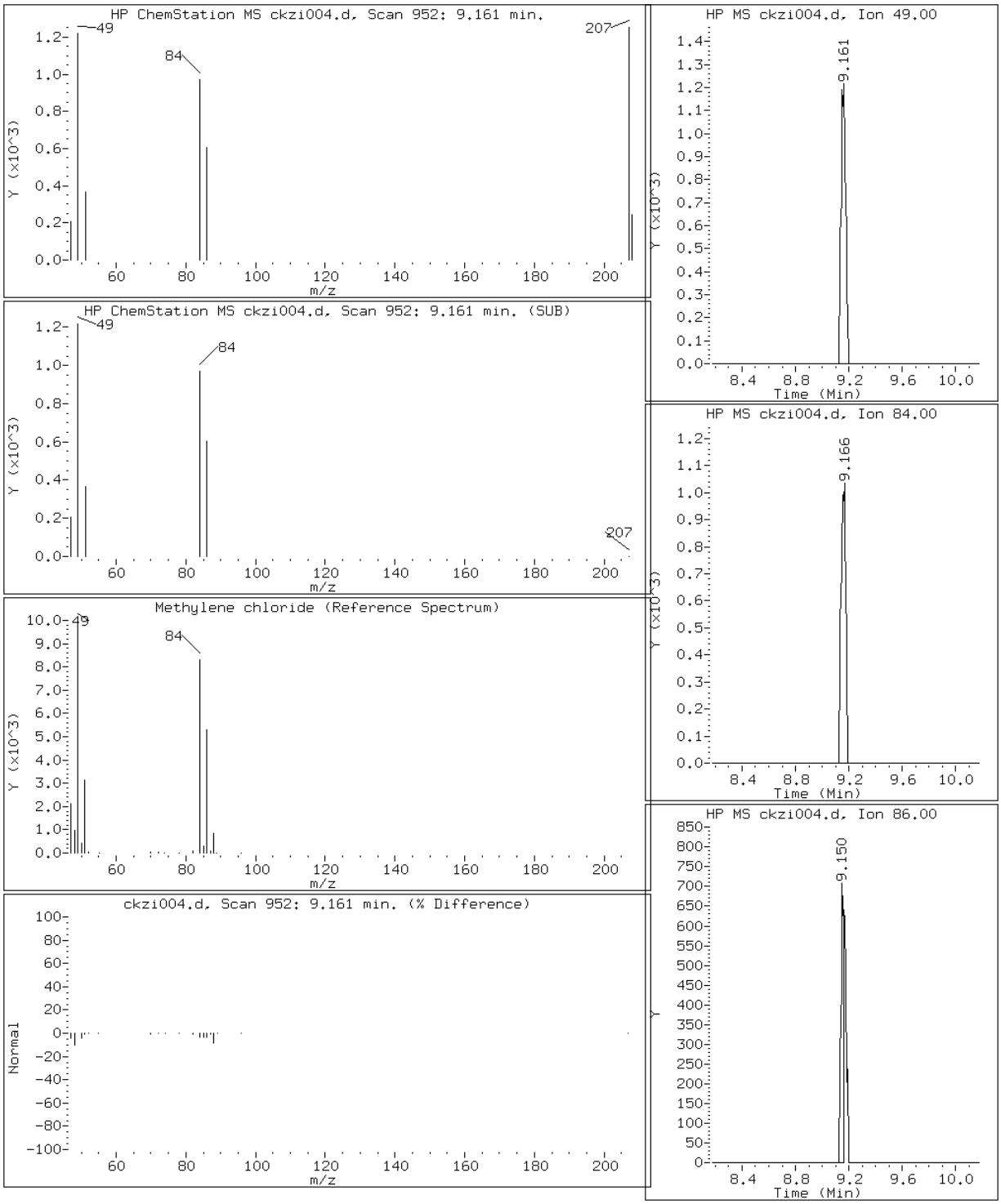
Client ID:

Instrument: C.i

Sample Info: mb

Operator: wrd

25 Methylene chloride



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44081/4

Matrix: Air Lab File ID: ckzg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.080	U	0.50	0.020
75-45-6	Freon 22	86.47	0.080	U	0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.020
74-87-3	Chloromethane	50.49	0.080	U	0.50	0.034
106-97-8	n-Butane	58.12	0.080	U	0.50	0.022
75-01-4	Vinyl chloride	62.50	0.028	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.040	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.021
76-13-1	Freon TF	187.38	0.080	U	0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
67-64-1	Acetone	58.08	0.50	U	5.0	0.40
67-63-0	Isopropyl alcohol	60.10	0.20	U	5.0	0.076
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.020
107-05-1	3-Chloropropene	76.53	0.080	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.0951	J M	0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	0.080	U	5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	0.040	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.080	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.080	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.080	U	0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	0.080	U	0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.023
67-66-3	Chloroform	119.38	0.080	U	0.20	0.024
109-99-9	Tetrahydrofuran	72.11	0.080	U	5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.040	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.040	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.040	U	0.20	0.015
71-43-2	Benzene	78.11	0.040	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44081/4

Matrix: Air Lab File ID: ckzg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.040	U	0.20	0.017
79-01-6	Trichloroethene	131.39	0.028	U	0.20	0.0092
80-62-6	Methyl methacrylate	100.12	0.040	U	0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.023
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.070
75-27-4	Bromodichloromethane	163.83	0.040	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.040	U	0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	0.080	U	0.50	0.034
108-88-3	Toluene	92.14	0.040	U	0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.040	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.040	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.040	U	0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.080	U	0.50	0.040
124-48-1	Dibromochloromethane	208.29	0.040	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.040	U	0.20	0.014
108-90-7	Chlorobenzene	112.30	0.040	U	0.20	0.013
100-41-4	Ethylbenzene	106.17	0.040	U	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.040	U	0.50	0.022
95-47-6	Xylene, o-	106.17	0.040	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.040	U	0.20	0.016
100-42-5	Styrene	104.15	0.040	U	0.20	0.011
75-25-2	Bromoform	252.75	0.028	U	0.20	0.0072
98-82-8	Cumene	120.19	0.040	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.040	U	0.20	0.011
103-65-1	n-Propylbenzene	120.19	0.040	U	0.20	0.013
622-96-8	4-Ethyltoluene	120.20	0.040	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.040	U	0.20	0.013
98-06-6	tert-Butylbenzene	134.22	0.040	U	0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	0.080	U	0.20	0.021
135-98-8	sec-Butylbenzene	134.22	0.040	U	0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	0.080	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.040	U	0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	0.040	U	0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44081/4

Matrix: Air Lab File ID: ckzg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.080	U	0.20	0.022
104-51-8	n-Butylbenzene	134.22	0.080	U	0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	0.080	U	0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.029
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.038

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44081/4

Matrix: Air Lab File ID: ckzg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.40	U	2.5	0.099
75-45-6	Freon 22	86.47	0.28	U	1.8	0.081
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.14
74-87-3	Chloromethane	50.49	0.17	U	1.0	0.070
106-97-8	n-Butane	58.12	0.19	U	1.2	0.052
75-01-4	Vinyl chloride	62.50	0.072	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.10
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.17	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.12
76-13-1	Freon TF	187.38	0.61	U	1.5	0.15
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
67-64-1	Acetone	58.08	1.2	U	12	0.95
67-63-0	Isopropyl alcohol	60.10	0.49	U	12	0.19
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.062
107-05-1	3-Chloropropene	76.53	0.25	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	0.330	J M	1.7	0.080
75-65-0	tert-Butyl alcohol	74.12	0.24	U	15	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.14	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.32	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.28	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.32	U	0.81	0.093
78-93-3	Methyl Ethyl Ketone	72.11	0.24	U	1.5	0.074
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.091
67-66-3	Chloroform	119.38	0.39	U	0.98	0.12
109-99-9	Tetrahydrofuran	72.11	0.24	U	15	0.086
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.14	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	0.25	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.19	U	0.93	0.070
71-43-2	Benzene	78.11	0.13	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.16	U	0.81	0.073

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44081/4

Matrix: Air Lab File ID: ckzg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.82	0.070
79-01-6	Trichloroethene	131.39	0.15	U	1.1	0.049
80-62-6	Methyl methacrylate	100.12	0.16	U	2.0	0.066
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.11
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.25
75-27-4	Bromodichloromethane	163.83	0.27	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.18	U	0.91	0.059
108-10-1	methyl isobutyl ketone	100.16	0.33	U	2.0	0.14
108-88-3	Toluene	92.14	0.15	U	0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.18	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	0.22	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	0.27	U	1.4	0.10
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.33	U	2.0	0.16
124-48-1	Dibromochloromethane	208.29	0.34	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	0.31	U	1.5	0.11
108-90-7	Chlorobenzene	112.30	0.18	U	0.92	0.060
100-41-4	Ethylbenzene	106.17	0.17	U	0.87	0.065
179601-23-1	m,p-Xylene	106.17	0.17	U	2.2	0.096
95-47-6	Xylene, o-	106.17	0.17	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.17	U	0.87	0.069
100-42-5	Styrene	104.15	0.17	U	0.85	0.047
75-25-2	Bromoform	252.75	0.29	U	2.1	0.074
98-82-8	Cumene	120.19	0.20	U	0.98	0.054
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.27	U	1.4	0.076
103-65-1	n-Propylbenzene	120.19	0.20	U	0.98	0.064
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.21	U	1.0	0.067
98-06-6	tert-Butylbenzene	134.22	0.22	U	1.1	0.060
95-63-6	1,2,4-Trimethylbenzene	120.20	0.39	U	0.98	0.10
135-98-8	sec-Butylbenzene	134.22	0.22	U	1.1	0.082
99-87-6	4-Isopropyltoluene	134.22	0.44	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.2	0.11
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.2	0.11

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-44081/4

Matrix: Air Lab File ID: ckzg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.41	U	1.0	0.11
104-51-8	n-Butylbenzene	134.22	0.44	U	1.1	0.12
95-50-1	1,2-Dichlorobenzene	147.00	0.48	U	1.2	0.16
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.22
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.31
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzgto15.b/ckzg004.d
Lab Smp Id: mb
Inj Date : 22-AUG-2012 14:24
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1,mb
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

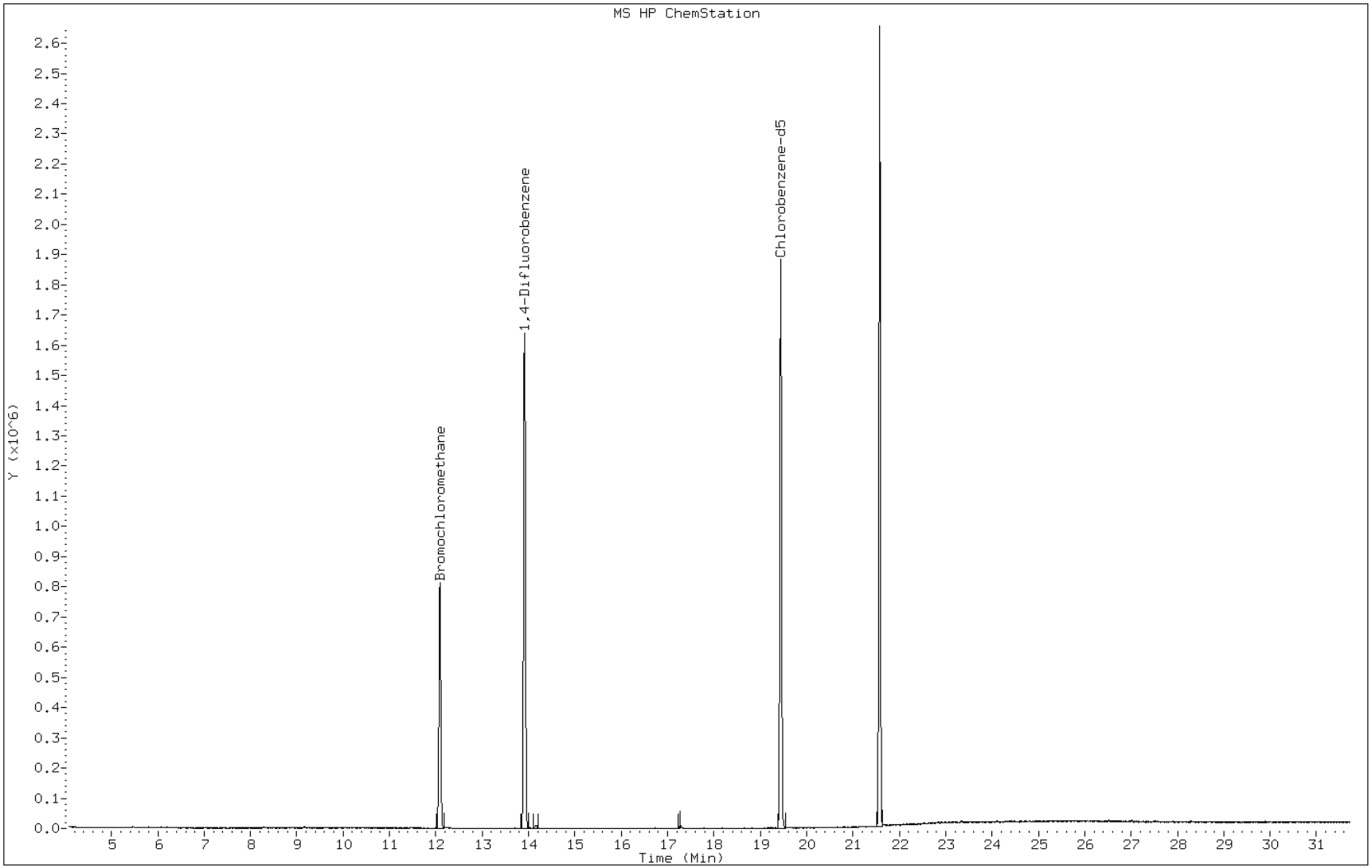
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
15	Ethanol	45	Compound Not Detected.					
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	8.280	8.269	(0.685)	5260	0.12996	0.13(a)
21	Carbon disulfide	76	Compound Not Detected.					
22	Isopropanol	45	Compound Not Detected.					
23	Allyl chloride	41	Compound Not Detected.					
24	Acetonitrile	41	Compound Not Detected.					
25	Methylene chloride	49	9.176	9.177	(0.759)	3282	0.09506	0.095(aM)
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	12.085	12.096	(1.000)	367583	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	13.916	13.921	(1.000)	2133778	10.0000	
48	n-Butanol	56	Compound Not Detected.					
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
57	n-Octane	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.439	19.450	(1.000)	1883944	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	ckzg004.d	Date:	22-AUG-2012 14:24
Client ID:		Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



Data File: ckzg004.d

Lab Sample ID: mb

Date: 22-AUG-2012 14:24

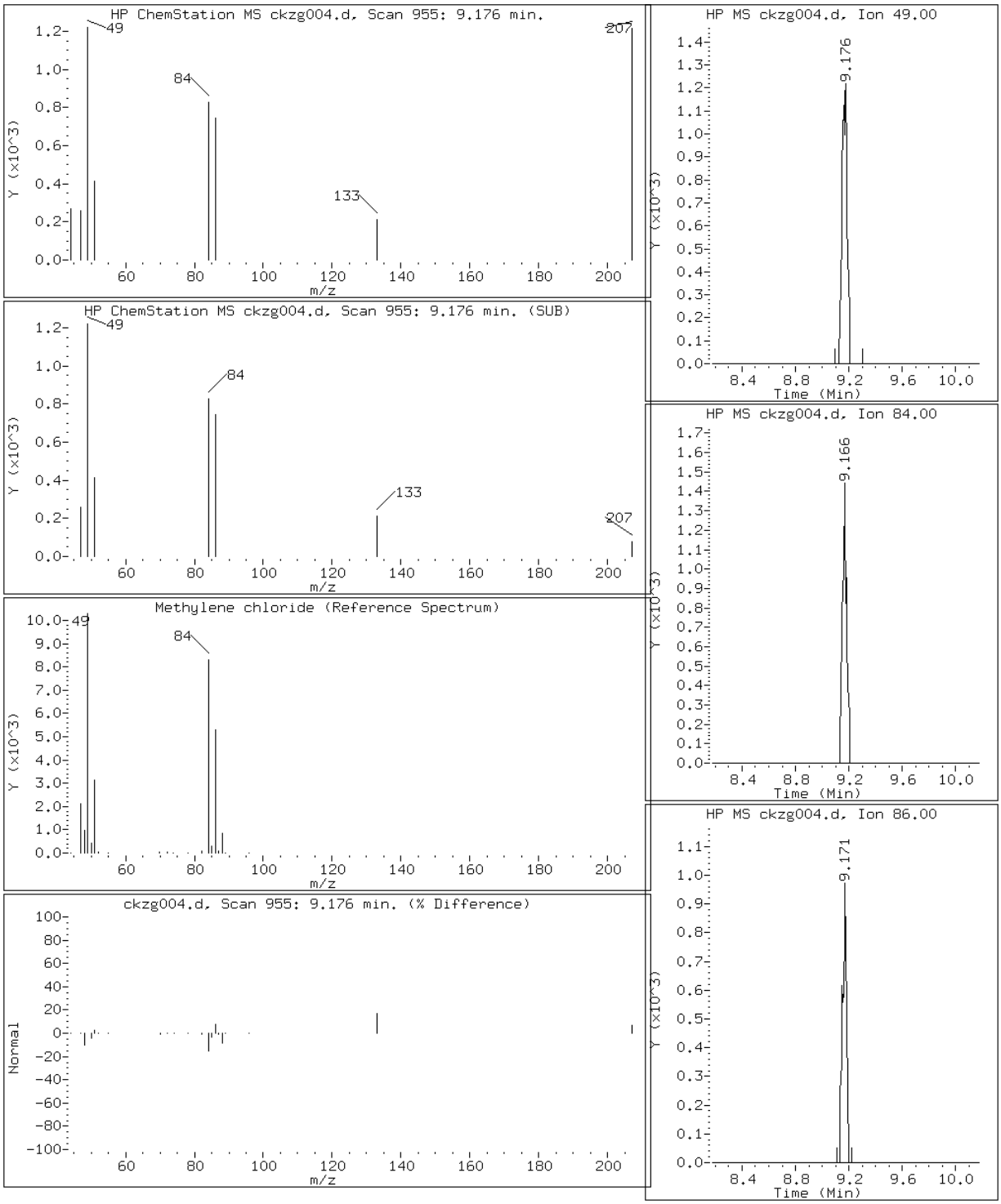
Client ID:

Instrument: C.i

Sample Info: mb

Operator: pad

25 Methylene chloride



Manual Integration Report

Data File: ckzg004.d
Lab Sample ID: mb
Inj. Date and Time: 22-AUG-2012 14:24
Instrument ID: C.i
Client ID:
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 08/28/2012

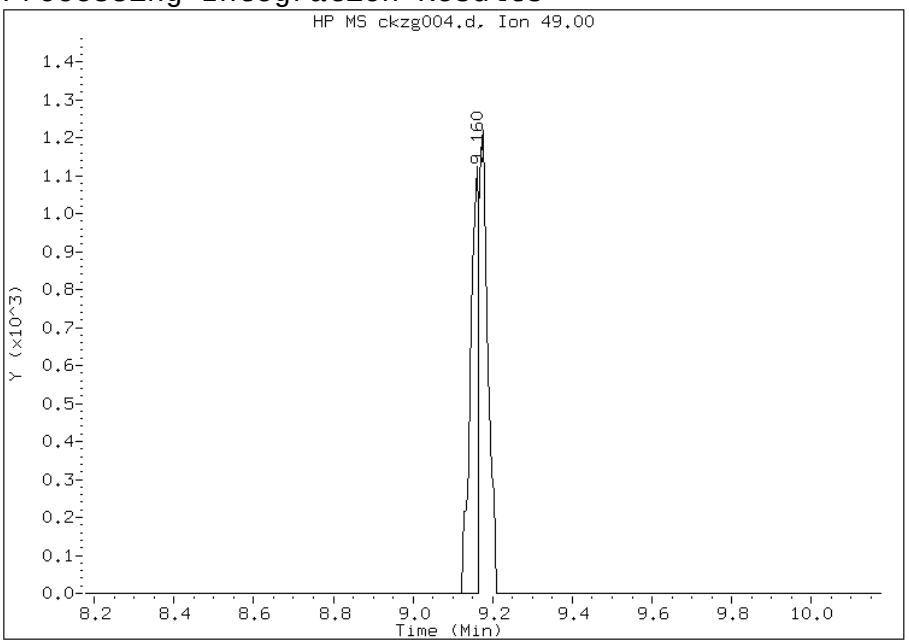
Processing Integration Results

RT: 9.16

Response: 1701

Amount: 0.049266

Conc: 0.049266



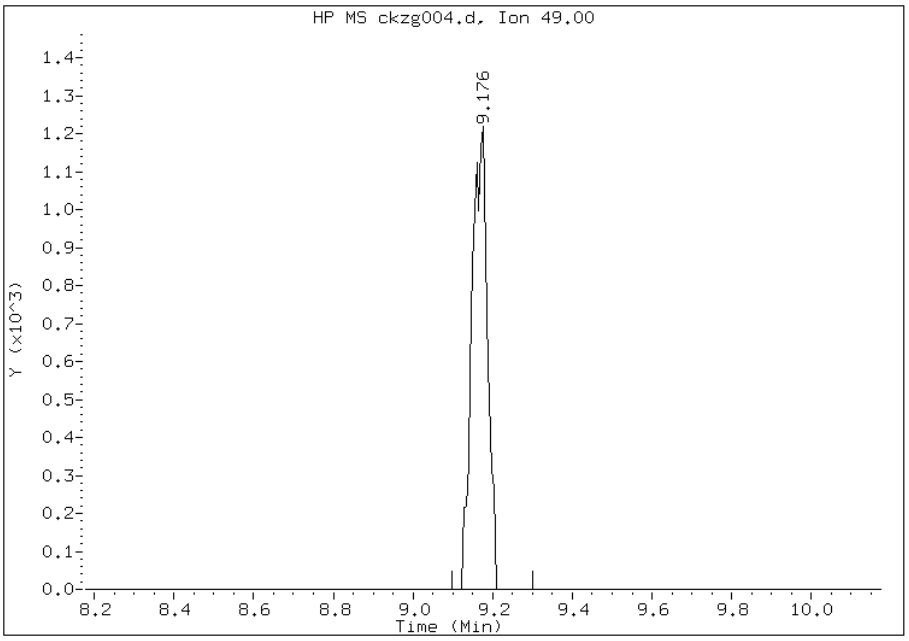
Manual Integration Results

RT: 9.18

Response: 3282

Amount: 0.095056

Conc: 0.095056



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-44077/3

Matrix: Air Lab File ID: ckzi003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 12:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	9.70		0.50	0.020
75-45-6	Freon 22	86.47	9.22		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.67		0.20	0.020
74-87-3	Chloromethane	50.49	8.65		0.50	0.034
106-97-8	n-Butane	58.12	8.85		0.50	0.022
75-01-4	Vinyl chloride	62.50	8.99		0.20	0.0091
106-99-0	1,3-Butadiene	54.09	9.32		0.20	0.025
74-83-9	Bromomethane	94.94	9.28		0.20	0.027
75-00-3	Chloroethane	64.52	8.79		0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.99		0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	9.70		0.20	0.021
76-13-1	Freon TF	187.38	10.4		0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	10.5		0.20	0.086
67-64-1	Acetone	58.08	9.87		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	9.61		5.0	0.076
75-15-0	Carbon disulfide	76.14	9.58		0.50	0.020
107-05-1	3-Chloropropene	76.53	8.85	M	0.50	0.047
75-09-2	Methylene Chloride	84.93	9.25		0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	9.99		5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	10.1		0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	9.12		0.20	0.023
110-54-3	n-Hexane	86.17	9.02		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	9.21		0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	9.88		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	9.69		0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	18.8		0.20	0.023
67-66-3	Chloroform	119.38	9.56		0.20	0.024
109-99-9	Tetrahydrofuran	72.11	9.20		5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	9.75		0.20	0.020
110-82-7	Cyclohexane	84.16	9.56		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	9.61		0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	8.95		0.20	0.015
71-43-2	Benzene	78.11	9.23		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	9.69		0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-44077/3

Matrix: Air Lab File ID: ckzi003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 12:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	8.67		0.20	0.017
79-01-6	Trichloroethene	131.39	9.46		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	9.69		0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	8.93		0.20	0.023
123-91-1	1,4-Dioxane	88.11	9.47		5.0	0.070
75-27-4	Bromodichloromethane	163.83	10.1		0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	9.51		0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	9.82		0.50	0.034
108-88-3	Toluene	92.14	9.61		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	9.88		0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	8.88		0.20	0.016
127-18-4	Tetrachloroethene	165.83	10.0		0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.74		0.50	0.040
124-48-1	Dibromochloromethane	208.29	10.7		0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	9.66		0.20	0.014
108-90-7	Chlorobenzene	112.30	9.49		0.20	0.013
100-41-4	Ethylbenzene	106.17	9.58		0.20	0.015
179601-23-1	m,p-Xylene	106.17	19.7		0.50	0.022
95-47-6	Xylene, o-	106.17	9.71		0.20	0.016
1330-20-7	Xylene (total)	106.17	29.4		0.20	0.016
100-42-5	Styrene	104.15	10.3		0.20	0.011
75-25-2	Bromoform	252.75	11.2		0.20	0.0072
98-82-8	Cumene	120.19	9.97		0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.03		0.20	0.011
103-65-1	n-Propylbenzene	120.19	9.92		0.20	0.013
622-96-8	4-Ethyltoluene	120.20	10.6		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	9.85		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	9.96		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.1		0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	9.78		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	10.0		0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	10.5		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	10.1		0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	10.2		0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-44077/3

Matrix: Air Lab File ID: ckzi003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/27/2012 12:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44077 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	10.5		0.20	0.022
104-51-8	n-Butylbenzene	134.22	10.8		0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	9.89		0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	12.3		0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	11.1		0.20	0.029
91-20-3	Naphthalene	128.17	12.6		0.50	0.038

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzito15.b/ckzi003.d
Lab Smp Id: lcs 370622
Inj Date : 27-AUG-2012 12:15
Operator : wrd Inst ID: C.i
Smp Info : lcs 370622
Misc Info : 200,1,lcs
Comment :
Method : /chem/C.i/Csvr.p/ckzito15.b/to15v5.m
Meth Date : 28-Aug-2012 10:42 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1	Propene	41	4.208	4.208	(0.348)	220507	8.42897	8.4
2	Dichlorodifluoromethane	85	4.304	4.304	(0.356)	1074122	9.69596	9.7
3	Chlorodifluoromethane	51	4.363	4.363	(0.361)	514779	9.22099	9.2
4	1,2-Dichloro-1,1,2,2-tetraflu	85	4.646	4.651	(0.385)	1091534	9.67017	9.7
5	Chloromethane	50	4.811	4.811	(0.398)	267339	8.65377	8.7
6	Butane	43	5.078	5.078	(0.420)	483501	8.84851	8.8
7	Vinyl chloride	62	5.115	5.121	(0.423)	344936	8.99398	9.0
8	1,3-Butadiene	54	5.217	5.217	(0.432)	258605	9.32063	9.3
9	Bromomethane	94	6.006	6.012	(0.497)	342234	9.28364	9.3
10	Chloroethane	64	6.279	6.284	(0.520)	169062	8.78930	8.8
11	2-Methylbutane	43	6.391	6.396	(0.529)	342334	8.22624	8.2
12	Vinyl bromide	106	6.722	6.727	(0.556)	393240	9.99493	10
13	Trichlorofluoromethane	101	6.850	6.860	(0.567)	1133190	9.69920	9.7
14	Pentane	43	7.020	7.026	(0.581)	532493	8.38370	8.4

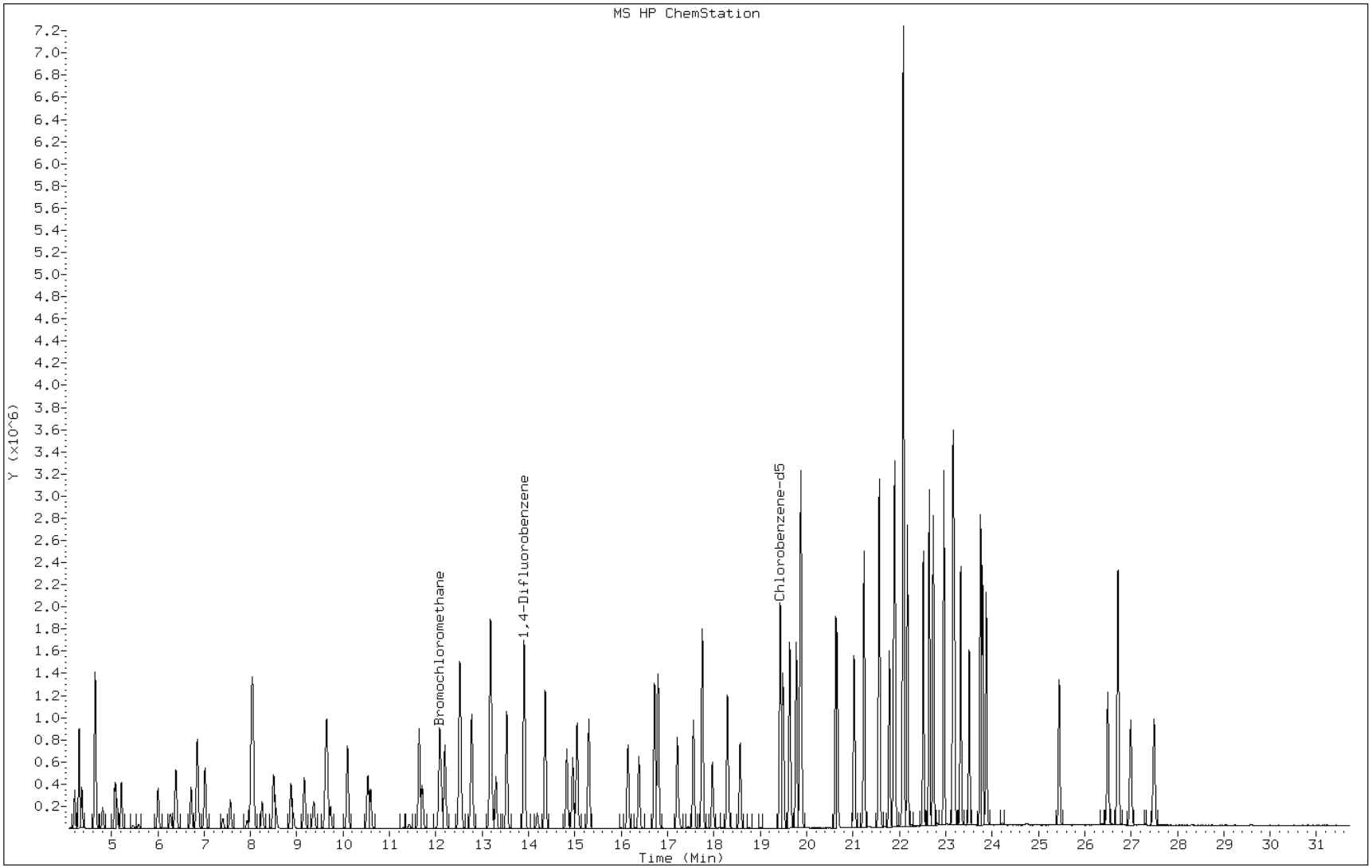
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	7.405	7.426	(0.613)	137244	14.5122	15
	16 Ethyl ether	59	7.565	7.581	(0.626)	222271	9.19157	9.2
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.024	8.034	(0.664)	849915	10.4040	10
	18 Acrolein	56	7.922	7.938	(0.656)	89454	7.83836	7.8
	19 1,1-Dichloroethene	96	8.061	8.072	(0.667)	404527	10.5446	11
	20 Acetone	43	8.248	8.269	(0.683)	438472	9.86967	9.9
	21 Carbon disulfide	76	8.499	8.509	(0.704)	1031598	9.57900	9.6
	22 Isopropanol	45	8.547	8.573	(0.708)	300098	9.61446	9.6
	23 Allyl chloride	41	8.867	8.883	(0.734)	401503	8.84577	8.8(M)
	24 Acetonitrile	41	8.920	8.942	(0.738)	170363	9.31837	9.3(M)
	25 Methylene chloride	49	9.166	9.177	(0.759)	350668	9.25299	9.3
	26 Tert-butyl alcohol	59	9.363	9.390	(0.775)	474122	9.98629	10
	27 Methyl tert-butyl ether	73	9.625	9.641	(0.797)	1079909	10.1123	10
	28 1,2-Dichloroethene (trans)	61	9.652	9.668	(0.799)	515146	9.12491	9.1
	29 Acrylonitrile	53	9.726	9.748	(0.805)	208362	9.55926	9.6
	30 n-Hexane	57	10.094	10.105	(0.836)	550711	9.01928	9.0
	31 1,1-Dichloroethane	63	10.532	10.548	(0.872)	668563	9.21222	9.2
	32 Vinyl acetate	43	10.591	10.607	(0.877)	724746	9.49004	9.5
M	33 1,2-Dichloroethene,Total	61				952694	18.8148	19
	34 1,2-Dichloroethene (cis)	96	11.637	11.653	(0.963)	437548	9.68992	9.7
	35 Ethyl acetate	88	11.706	11.728	(0.969)	33599	10.0618	10
	36 Methyl Ethyl Ketone	72	11.648	11.674	(0.964)	166795	9.88098	9.9
*	37 Bromochloromethane	128	12.080	12.096	(1.000)	403468	10.0000	(Q)
	38 Tetrahydrofuran	42	12.117	12.139	(0.871)	321210	9.19630	9.2
	39 Chloroform	83	12.197	12.213	(1.010)	861823	9.56196	9.6
	40 Cyclohexane	84	12.533	12.544	(0.901)	595968	9.56289	9.6
	41 1,1,1-Trichloroethane	97	12.512	12.528	(0.900)	988730	9.74899	9.7
	42 Carbon tetrachloride	117	12.774	12.784	(0.919)	1028582	9.60618	9.6
	43 2,2,4-Trimethylpentane	57	13.185	13.201	(0.948)	1754657	8.95341	9.0
	44 Benzene	78	13.174	13.190	(0.947)	1214848	9.23205	9.2
	45 1,2-Dichloroethane	62	13.297	13.318	(0.956)	573464	9.68882	9.7
	46 n-Heptane	43	13.526	13.542	(0.973)	607402	8.67219	8.7
*	47 1,4-Difluorobenzene	114	13.905	13.921	(1.000)	2221818	10.0000	
	48 n-Butanol	56	14.188	14.209	(1.020)	118448	9.21036	9.2
	49 Trichloroethene	95	14.359	14.375	(1.033)	585616	9.45617	9.5
	50 1,2-Dichloropropane	63	14.828	14.844	(1.066)	390589	8.92619	8.9
	51 Methyl methacrylate	69	14.951	14.972	(1.075)	362137	9.69342	9.7
	52 Dibromomethane	174	15.052	15.069	(1.083)	600731	10.6026	11
	53 1,4-Dioxane	88	15.015	15.042	(1.080)	147664	9.47364	9.5
	54 Bromodichloromethane	83	15.298	15.319	(1.100)	980702	10.1271	10
	55 1,3-Dichloropropene (cis)	75	16.141	16.163	(1.161)	683577	9.50895	9.5
	56 Methyl isobutyl ketone	43	16.381	16.408	(1.178)	610373	9.82444	9.8
	57 n-Octane	43	16.792	16.808	(1.208)	840291	8.89292	8.9
	58 Toluene	92	16.718	16.734	(0.860)	952983	9.61233	9.6
	59 1,3-Dichloropropene (trans)	75	17.209	17.230	(1.238)	703985	9.87996	9.9
	60 1,1,2-Trichloroethane	83	17.555	17.577	(0.904)	397247	8.88233	8.9
	61 Tetrachloroethene	166	17.753	17.764	(0.914)	935479	10.0079	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.966	17.993	(0.925)	562697	9.74374	9.7
	63 Dibromochloromethane	129	18.292	18.313	(0.941)	1055309	10.7284	11
	64 1,2-Dibromoethane	107	18.564	18.586	(0.955)	835793	9.65978	9.7
*	65 Chlorobenzene-d5	117	19.429	19.450	(1.000)	2068021	10.0000	
	66 Chlorobenzene	112	19.487	19.509	(1.003)	1361994	9.48866	9.5
	67 n-Nonane	57	19.776	19.792	(1.018)	849630	9.36006	9.4
	68 Ethylbenzene	91	19.637	19.653	(1.011)	1998146	9.58179	9.6
	69 Xylene (m,p)	106	19.872	19.893	(1.023)	1708436	19.6647	20
M	70 Xylenes, Total	106				2525085	29.3737	29
	71 Xylene (o)	106	20.630	20.646	(1.062)	816649	9.70901	9.7
	72 Styrene	104	20.662	20.678	(1.063)	1220896	10.2641	10
	73 Bromoform	173	21.024	21.041	(1.082)	1064197	11.1588	11
	74 Isopropylbenzene	105	21.238	21.254	(1.093)	2412779	9.97230	10
	75 1,1,2,2-Tetrachloroethane	83	21.782	21.798	(1.121)	987947	9.02624	9.0
	76 n-Propylbenzene	91	21.900	21.916	(1.127)	2683027	9.92497	9.9
	77 1,2,3-Trichloropropane	75	21.884	21.900	(1.126)	839864	9.48910	9.5
	78 n-Decane	57	22.081	22.097	(1.137)	1037146	10.0699	10
	79 4-Ethyltoluene	105	22.076	22.092	(1.136)	2491732	10.6381	11
	80 2-Chlorotoluene	91	22.087	22.103	(1.137)	1998992	9.96484	10
	81 1,3,5-Trimethylbenzene	105	22.177	22.193	(1.141)	2001231	9.85088	9.9
	82 Alpha Methyl Styrene	118	22.519	22.535	(1.159)	1026565	10.8299	11
	83 tert-butylbenzene	119	22.647	22.658	(1.166)	2063350	10.1019	10
	84 1,2,4-Trimethylbenzene	105	22.732	22.748	(1.170)	1922405	9.78128	9.8
	85 sec-Butylbenzene	105	22.962	22.972	(1.182)	2877491	10.0252	10
	86 4-Isopropyltoluene	119	23.159	23.170	(1.192)	2569501	10.5441	11
	87 1,3-Dichlorobenzene	146	23.186	23.202	(1.193)	1397728	10.0965	10
	88 1,4-Dichlorobenzene	146	23.325	23.335	(1.201)	1364047	10.1748	10
	89 Benzyl chloride	91	23.506	23.522	(1.210)	1524948	10.4888	10
	90 Undecane	57	23.794	23.805	(1.225)	995491	10.4272	10
	91 n-Butylbenzene	91	23.752	23.768	(1.222)	1972517	10.7706	11
	92 1,2-Dichlorobenzene	146	23.874	23.890	(1.229)	1273912	9.89478	9.9
	93 Dodecane	57	25.449	25.465	(1.310)	613148	11.2304	11
	94 1,2,4-Trichlorobenzene	180	26.495	26.516	(1.364)	705466	12.2660	12
	95 1,3-Hexachlorobutadiene	225	26.719	26.735	(1.375)	819449	11.1282	11
	96 Naphthalene	128	26.991	27.012	(1.389)	1437867	12.5826	13
	97 1,2,3-Trichlorobenzene	180	27.493	27.514	(1.415)	628251	14.1633	14(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	ckzi003.d	Date:	27-AUG-2012 12:15
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 370622		
Lab Sample ID:	lcs 370622		



Manual Integration Report

Data File: ckzi003.d
Lab Sample ID: lcs 370622
Inj. Date and Time: 27-AUG-2012 12:15
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 08/28/2012

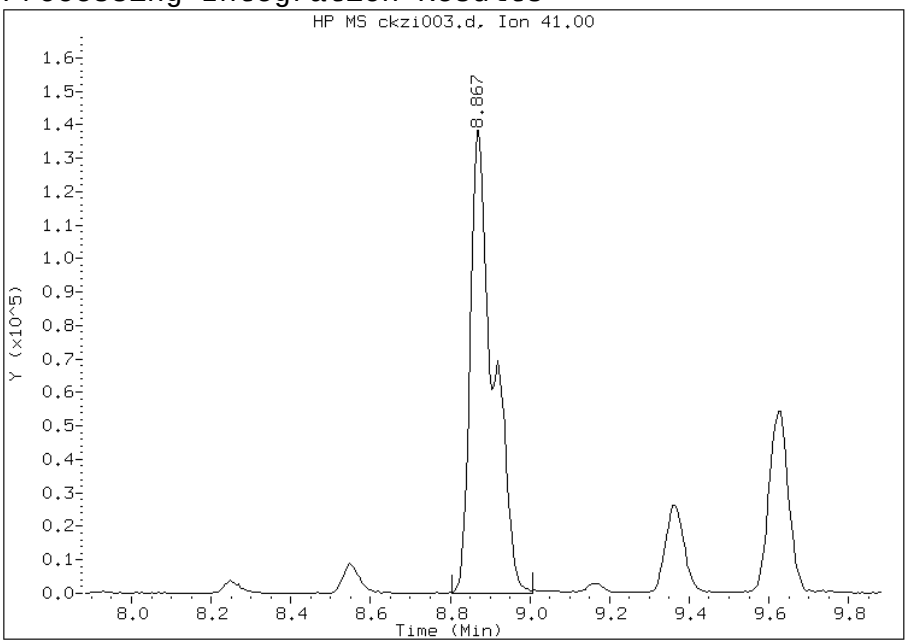
Processing Integration Results

RT: 8.87

Response: 560030

Amount: 12.34

Conc: 12.34



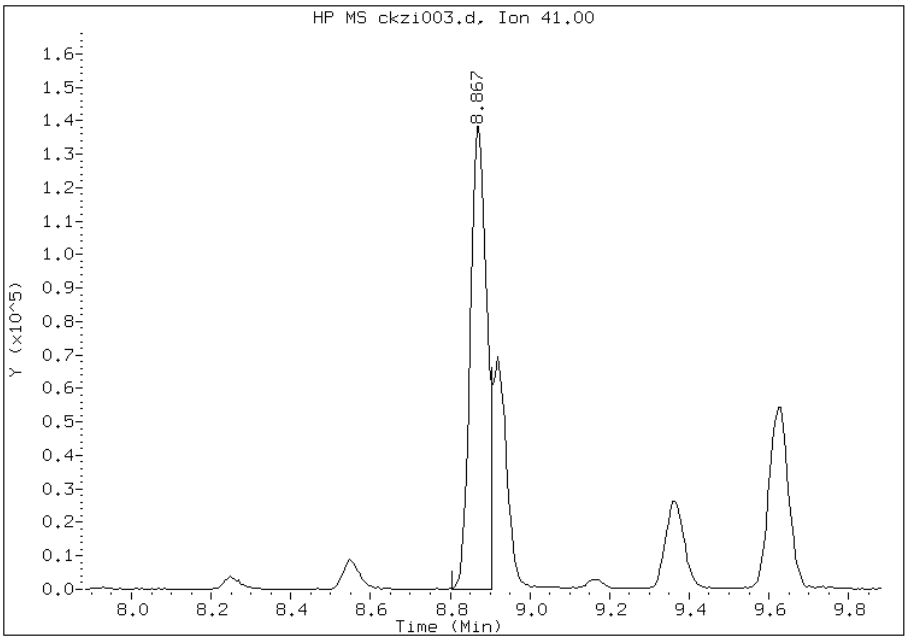
Manual Integration Results

RT: 8.87

Response: 401503

Amount: 8.85

Conc: 8.85



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-44081/3

Matrix: Air Lab File ID: ckzg003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 13:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.1		0.50	0.020
75-45-6	Freon 22	86.47	9.92		0.50	0.023
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.2		0.20	0.020
74-87-3	Chloromethane	50.49	10.0		0.50	0.034
106-97-8	n-Butane	58.12	10.1		0.50	0.022
75-01-4	Vinyl chloride	62.50	9.96		0.20	0.0091
106-99-0	1,3-Butadiene	54.09	10.4		0.20	0.025
74-83-9	Bromomethane	94.94	9.82		0.20	0.027
75-00-3	Chloroethane	64.52	10.0		0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	10.3		0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	9.98		0.20	0.021
76-13-1	Freon TF	187.38	10.8		0.20	0.020
75-35-4	1,1-Dichloroethene	96.94	11.1		0.20	0.086
67-64-1	Acetone	58.08	10.7		5.0	0.40
67-63-0	Isopropyl alcohol	60.10	10.4		5.0	0.076
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.020
107-05-1	3-Chloropropene	76.53	9.89		0.50	0.047
75-09-2	Methylene Chloride	84.93	10.4		0.50	0.023
75-65-0	tert-Butyl alcohol	74.12	10.9		5.0	0.041
1634-04-4	Methyl tert-butyl ether	88.15	10.7		0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	10.0		0.20	0.023
110-54-3	n-Hexane	86.17	10.1		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	9.99		0.20	0.023
78-93-3	Methyl Ethyl Ketone	72.11	10.9		0.50	0.025
156-59-2	cis-1,2-Dichloroethene	96.94	10.0		0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	20.1		0.20	0.023
67-66-3	Chloroform	119.38	10.0		0.20	0.024
109-99-9	Tetrahydrofuran	72.11	10.2		5.0	0.029
71-55-6	1,1,1-Trichloroethane	133.41	9.65		0.20	0.020
110-82-7	Cyclohexane	84.16	9.87		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	9.55		0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	9.76		0.20	0.015
71-43-2	Benzene	78.11	9.62		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	9.72		0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-44081/3

Matrix: Air Lab File ID: ckzg003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 13:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.68		0.20	0.017
79-01-6	Trichloroethene	131.39	9.59		0.20	0.0092
80-62-6	Methyl methacrylate	100.12	10.5		0.50	0.016
78-87-5	1,2-Dichloropropane	112.99	9.65		0.20	0.023
123-91-1	1,4-Dioxane	88.11	9.48		5.0	0.070
75-27-4	Bromodichloromethane	163.83	10.3		0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	9.94		0.20	0.013
108-10-1	methyl isobutyl ketone	100.16	10.7		0.50	0.034
108-88-3	Toluene	92.14	9.89		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	9.29		0.20	0.016
127-18-4	Tetrachloroethene	165.83	9.45		0.20	0.015
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.6		0.50	0.040
124-48-1	Dibromochloromethane	208.29	10.6		0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	9.81		0.20	0.014
108-90-7	Chlorobenzene	112.30	9.64		0.20	0.013
100-41-4	Ethylbenzene	106.17	9.88		0.20	0.015
179601-23-1	m,p-Xylene	106.17	20.1		0.50	0.022
95-47-6	Xylene, o-	106.17	9.96		0.20	0.016
1330-20-7	Xylene (total)	106.17	30.1		0.20	0.016
100-42-5	Styrene	104.15	10.5		0.20	0.011
75-25-2	Bromoform	252.75	10.7		0.20	0.0072
98-82-8	Cumene	120.19	10.2		0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.68		0.20	0.011
103-65-1	n-Propylbenzene	120.19	10.4		0.20	0.013
622-96-8	4-Ethyltoluene	120.20	10.9		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	10.2		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	10.4		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.3		0.20	0.011
95-63-6	1,2,4-Trimethylbenzene	120.20	10.3		0.20	0.021
135-98-8	sec-Butylbenzene	134.22	10.4		0.20	0.015
99-87-6	4-Isopropyltoluene	134.22	10.8		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	10.0		0.20	0.019
106-46-7	1,4-Dichlorobenzene	147.00	10.1		0.20	0.018

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-44081/3

Matrix: Air Lab File ID: ckzg003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 13:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44081 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	11.1		0.20	0.022
104-51-8	n-Butylbenzene	134.22	11.5		0.20	0.022
95-50-1	1,2-Dichlorobenzene	147.00	9.98		0.20	0.026
120-82-1	1,2,4-Trichlorobenzene	181.45	12.2		0.50	0.030
87-68-3	Hexachlorobutadiene	260.76	11.2		0.20	0.029
91-20-3	Naphthalene	128.17	13.4	Q	0.50	0.038

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzgto15.b/ckzg003.d
Lab Smp Id: lcs 370622
Inj Date : 22-AUG-2012 13:31
Operator : pad Inst ID: C.i
Smp Info : lcs 370622
Misc Info : 200,1,lcs
Comment :
Method : /chem/C.i/Csvr.p/ckzgto15.b/to15v5.m
Meth Date : 28-Aug-2012 11:12 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	255327	9.86472	9.9
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	1103803	10.0708	10
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	548061	9.92251	9.9
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.384)	1142178	10.2274	10
5 Chloromethane	50	4.811	4.811	(0.398)	306171	10.0171	10
6 Butane	43	5.078	5.078	(0.420)	545630	10.0927	10
7 Vinyl chloride	62	5.120	5.121	(0.424)	377882	9.95877	10
8 1,3-Butadiene	54	5.222	5.217	(0.432)	284266	10.3555	10
9 Bromomethane	94	6.012	6.012	(0.497)	358007	9.81573	9.8
10 Chloroethane	64	6.279	6.284	(0.519)	190628	10.0168	10
11 2-Methylbutane	43	6.396	6.396	(0.529)	395598	9.60819	9.6
12 Vinyl bromide	106	6.727	6.727	(0.556)	402401	10.3375	10
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	1153386	9.97801	10
14 Pentane	43	7.026	7.026	(0.581)	613730	9.76641	9.8

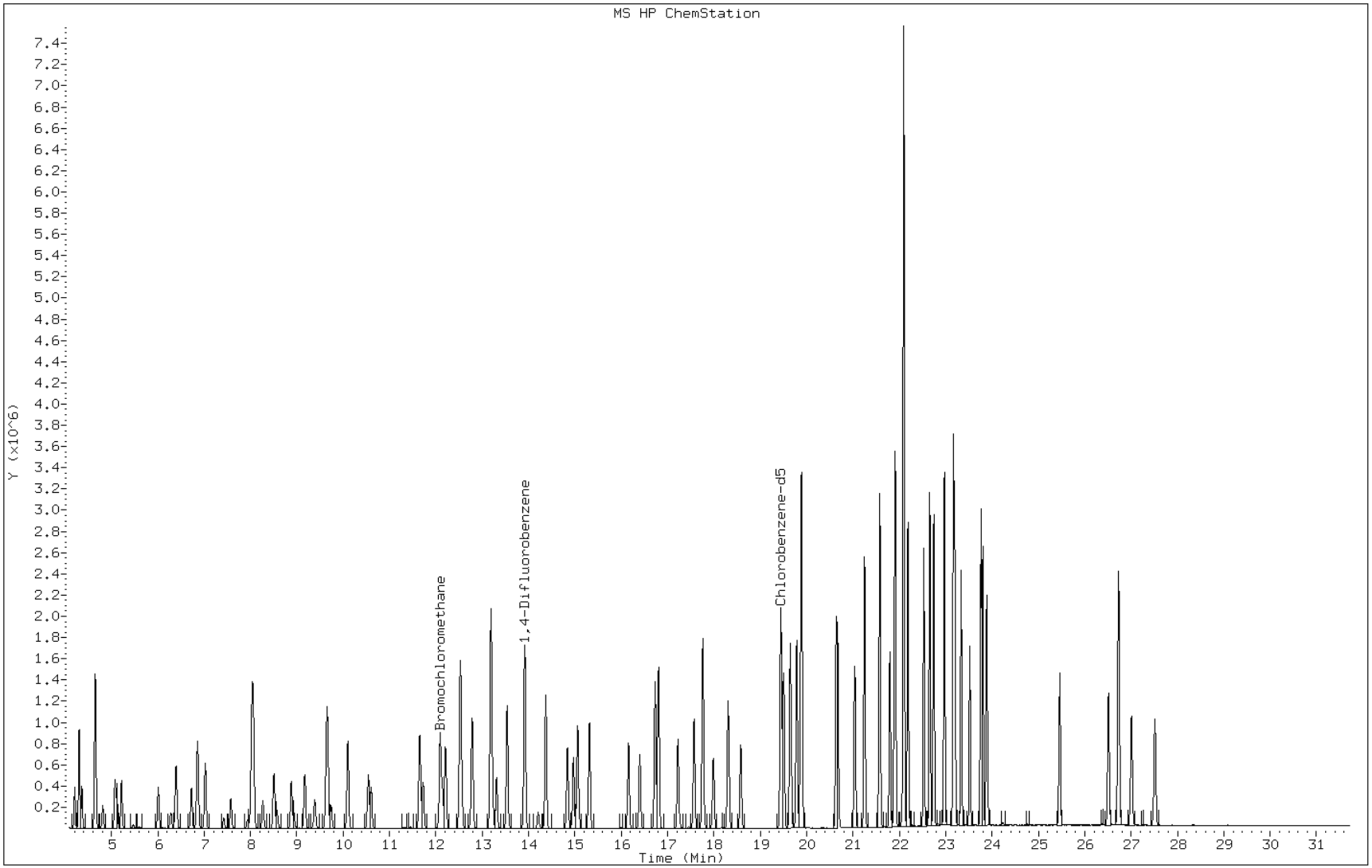
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15	Ethanol	45	7.421	7.426	(0.614)	152264	16.2732	16
	16	Ethyl ether	59	7.575	7.581	(0.627)	246109	10.2866	10
	17	1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.665)	875015	10.8262	11
	18	Acrolein	56	7.938	7.938	(0.657)	102952	9.11793	9.1
	19	1,1-Dichloroethene	96	8.066	8.072	(0.667)	420438	11.0770	11
	20	Acetone	43	8.264	8.269	(0.684)	468597	10.6610	11
	21	Carbon disulfide	76	8.504	8.509	(0.703)	1101139	10.3345	10
	22	Isopropanol	45	8.568	8.573	(0.709)	321860	10.4223	10
	23	Allyl chloride	41	8.878	8.883	(0.734)	444050	9.88814	9.9
	24	Acetonitrile	41	8.936	8.942	(0.739)	209392	11.5761	12(Q)
	25	Methylene chloride	49	9.171	9.177	(0.759)	390557	10.4161	10
	26	Tert-butyl alcohol	59	9.385	9.390	(0.776)	513630	10.9345	11
	27	Methyl tert-butyl ether	73	9.641	9.641	(0.797)	1131159	10.7059	11
	28	1,2-Dichloroethene (trans)	61	9.662	9.668	(0.799)	560372	10.0325	10
	29	Acrylonitrile	53	9.742	9.748	(0.806)	236117	10.9489	11
	30	n-Hexane	57	10.100	10.105	(0.835)	611999	10.1306	10
	31	1,1-Dichloroethane	63	10.543	10.548	(0.872)	717283	9.98961	10
	32	Vinyl acetate	43	10.607	10.607	(0.877)	808366	10.6986	11
M	33	1,2-Dichloroethene,Total	61				1008899	20.0722	20
	34	1,2-Dichloroethene (cis)	96	11.647	11.653	(0.963)	448527	10.0397	10
	35	Ethyl acetate	88	11.727	11.728	(0.970)	35251	10.6699	11
	36	Methyl Ethyl Ketone	72	11.669	11.674	(0.965)	181638	10.8758	11
*	37	Bromochloromethane	128	12.090	12.096	(1.000)	399184	10.0000	
	38	Tetrahydrofuran	42	12.138	12.139	(0.872)	362298	10.1979	10
	39	Chloroform	83	12.208	12.213	(1.010)	893602	10.0210	10
	40	Cyclohexane	84	12.539	12.544	(0.901)	625747	9.87154	9.9
	41	1,1,1-Trichloroethane	97	12.523	12.528	(0.900)	995779	9.65306	9.7
	42	Carbon tetrachloride	117	12.784	12.784	(0.918)	1039939	9.54860	9.5
	43	2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	1945402	9.75946	9.8
	44	Benzene	78	13.184	13.190	(0.947)	1287962	9.62275	9.6
	45	1,2-Dichloroethane	62	13.307	13.318	(0.956)	585289	9.72199	9.7
	46	n-Heptane	43	13.542	13.542	(0.973)	689686	9.68108	9.7
*	47	1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2259897	10.0000	
	48	n-Butanol	56	14.209	14.209	(1.021)	133384	10.1970	10
	49	Trichloroethene	95	14.375	14.375	(1.033)	604239	9.59248	9.6
	50	1,2-Dichloropropane	63	14.839	14.844	(1.066)	429683	9.65415	9.7
	51	Methyl methacrylate	69	14.967	14.972	(1.075)	398346	10.4830	10
	52	Dibromomethane	174	15.063	15.069	(1.082)	568390	9.86272	9.9
	53	1,4-Dioxane	88	15.036	15.042	(1.080)	150318	9.48142	9.5
	54	Bromodichloromethane	83	15.314	15.319	(1.100)	1015728	10.3121	10
	55	1,3-Dichloropropene (cis)	75	16.157	16.163	(1.161)	727104	9.94401	9.9
	56	Methyl isobutyl ketone	43	16.397	16.408	(1.178)	679095	10.7464	11
	57	n-Octane	43	16.803	16.808	(1.207)	953487	9.92086	9.9
	58	Toluene	92	16.733	16.734	(0.861)	994858	9.89191	9.9
	59	1,3-Dichloropropene (trans)	75	17.224	17.230	(1.237)	734464	10.1340	10
	60	1,1,2-Trichloroethane	83	17.571	17.577	(0.904)	421434	9.28905	9.3
	61	Tetrachloroethene	166	17.764	17.764	(0.914)	896385	9.45317	9.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.988	17.993	(0.925)	622610	10.6278	11
63	Dibromochloromethane	129	18.308	18.313	(0.942)	1056899	10.5916	11
64	1,2-Dibromoethane	107	18.575	18.586	(0.955)	861456	9.81470	9.8
* 65	Chlorobenzene-d5	117	19.445	19.450	(1.000)	2097875	10.0000	
66	Chlorobenzene	112	19.503	19.509	(1.003)	1403557	9.63906	9.6
67	n-Nonane	57	19.786	19.792	(1.018)	934489	10.1484	10
68	Ethylbenzene	91	19.647	19.653	(1.010)	2089901	9.87917	9.9
69	Xylene (m,p)	106	19.888	19.893	(1.023)	1771809	20.1039	20
M 70	Xylenes, Total	106				2621733	30.0647	30
71	Xylene (o)	106	20.640	20.646	(1.061)	849924	9.96082	10
72	Styrene	104	20.672	20.678	(1.063)	1269983	10.5248	11
73	Bromoform	173	21.040	21.041	(1.082)	1039038	10.7399	11
74	Isopropylbenzene	105	21.249	21.254	(1.093)	2494554	10.1636	10
75	1,1,2,2-Tetrachloroethane	83	21.793	21.798	(1.121)	1075309	9.68460	9.7
76	n-Propylbenzene	91	21.910	21.916	(1.127)	2853123	10.4040	10
77	1,2,3-Trichloropropane	75	21.894	21.900	(1.126)	901614	10.0418	10
78	n-Decane	57	22.092	22.097	(1.136)	1129296	10.8085	11
79	4-Ethyltoluene	105	22.086	22.092	(1.136)	2590334	10.9017	11
80	2-Chlorotoluene	91	22.097	22.103	(1.136)	2110409	10.3705	10
81	1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	2094673	10.1641	10
82	Alpha Methyl Styrene	118	22.529	22.535	(1.159)	1076924	11.1995	11
83	tert-butylbenzene	119	22.657	22.658	(1.165)	2137019	10.3137	10
84	1,2,4-Trimethylbenzene	105	22.743	22.748	(1.170)	2054359	10.3039	10
85	sec-Butylbenzene	105	22.972	22.972	(1.181)	3038416	10.4353	10
86	4-Isopropyltoluene	119	23.170	23.170	(1.192)	2671609	10.8071	11
87	1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	1410015	10.0403	10
88	1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	1373095	10.0965	10
89	Benzyl chloride	91	23.522	23.522	(1.210)	1635079	11.0863	11
90	Undecane	57	23.800	23.805	(1.224)	1119165	11.5558	12
91	n-Butylbenzene	91	23.762	23.768	(1.222)	2134861	11.4911	11
92	1,2-Dichlorobenzene	146	23.885	23.890	(1.228)	1303045	9.97703	10
93	Dodecane	57	25.459	25.465	(1.309)	686811	12.4006	12
94	1,2,4-Trichlorobenzene	180	26.511	26.516	(1.363)	712991	12.2204	12
95	1,3-Hexachlorobutadiene	225	26.730	26.735	(1.375)	836883	11.2032	11
96	Naphthalene	128	27.007	27.012	(1.389)	1554978	13.4138	13(R)
97	1,2,3-Trichlorobenzene	180	27.509	27.514	(1.415)	639404	14.2096	14(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File:	ckzg003.d	Date:	22-AUG-2012 13:31
Client ID:		Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 370622		
Lab Sample ID:	lcs 370622		



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Start Date: 08/14/2012 16:28

Analysis Batch Number: 43490 End Date: 08/15/2012 11:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-43490/1		08/14/2012 16:28	1	ckz001.d	RTX-624 0.32(mm)
VIBLK 200-43490/2		08/14/2012 17:21	1		RTX-624 0.32(mm)
IC 200-43490/3		08/14/2012 18:13	1	ckz003.d	RTX-624 0.32(mm)
IC 200-43490/4		08/14/2012 19:07	1	ckz004.d	RTX-624 0.32(mm)
IC 200-43490/5		08/14/2012 20:00	1	ckz005.d	RTX-624 0.32(mm)
IC 200-43490/6		08/14/2012 20:53	1	ckz006.d	RTX-624 0.32(mm)
ZZZZZ		08/14/2012 21:47	1		RTX-624 0.32(mm)
IC 200-43490/8		08/14/2012 22:41	1	ckz008.d	RTX-624 0.32(mm)
IC 200-43490/9		08/14/2012 23:34	1	ckz009.d	RTX-624 0.32(mm)
IC 200-43490/10		08/15/2012 00:28	1	ckz010.d	RTX-624 0.32(mm)
VIBLK 200-43490/11		08/15/2012 01:22	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2012 02:15	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2012 03:08	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2012 04:02	1		RTX-624 0.32(mm)
ICIS 200-43490/15		08/15/2012 08:24	1	ckz015.d	RTX-624 0.32(mm)
ZZZZZ		08/15/2012 09:22	1		RTX-624 0.32(mm)
VIBLK 200-43490/17		08/15/2012 10:16	1		RTX-624 0.32(mm)
ICV 200-43490/18		08/15/2012 11:09	1	ckz018.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Start Date: 08/27/2012 10:30

Analysis Batch Number: 44077 End Date: 08/28/2012 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-44077/1		08/27/2012 10:30	1	ckzi001.d	RTX-624 0.32(mm)
CCVIS 200-44077/2		08/27/2012 11:24	1	ckzi002.d	RTX-624 0.32(mm)
LCS 200-44077/3		08/27/2012 12:15	1	ckzi003.d	RTX-624 0.32(mm)
MB 200-44077/4		08/27/2012 13:08	1	ckzi004.d	RTX-624 0.32(mm)
280-32071-12	786VMP0302AG	08/27/2012 13:58	1.5	ckzi005.d	RTX-624 0.32(mm)
280-32071-17	785786OA04	08/27/2012 14:52	2	ckzi006.d	RTX-624 0.32(mm)
ZZZZZ		08/27/2012 18:04	0.2		RTX-624 0.32(mm)
ZZZZZ		08/27/2012 18:57	0.2		RTX-624 0.32(mm)
ZZZZZ		08/27/2012 19:51	1		RTX-624 0.32(mm)
ZZZZZ		08/27/2012 20:45	1		RTX-624 0.32(mm)
ZZZZZ		08/27/2012 21:37	1		RTX-624 0.32(mm)
ZZZZZ		08/27/2012 22:31	36		RTX-624 0.32(mm)
ZZZZZ		08/27/2012 23:24	181		RTX-624 0.32(mm)
280-32071-21	TRIP BLANK	08/28/2012 00:17	1	ckzi014.d	RTX-624 0.32(mm)
ZZZZZ		08/28/2012 01:11	0.2		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 02:04	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 02:57	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 03:51	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 04:44	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 05:38	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 06:31	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 07:24	3.57		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 08:18	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 09:12	1		RTX-624 0.32(mm)
ZZZZZ		08/28/2012 10:05	1100		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Start Date: 08/22/2012 11:45

Analysis Batch Number: 44081 End Date: 08/23/2012 10:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-44081/1		08/22/2012 11:45	1	ckzg001.d	RTX-624 0.32(mm)
CCVIS 200-44081/2		08/22/2012 12:39	1	ckzg002.d	RTX-624 0.32(mm)
LCS 200-44081/3		08/22/2012 13:31	1	ckzg003.d	RTX-624 0.32(mm)
MB 200-44081/4		08/22/2012 14:24	1	ckzg004.d	RTX-624 0.32(mm)
ZZZZZ		08/22/2012 15:17	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 16:11	1		RTX-624 0.32(mm)
280-32071-1	774VMP0101AG	08/22/2012 17:04	1	ckzg007.d	RTX-624 0.32(mm)
280-32071-2	774VMP0201AG	08/22/2012 17:58	1	ckzg008.d	RTX-624 0.32(mm)
280-32071-3	774VMP0301AG	08/22/2012 18:51	1	ckzg009.d	RTX-624 0.32(mm)
280-32071-4	776VMP0101AG	08/22/2012 19:44	1	ckzg010.d	RTX-624 0.32(mm)
280-32071-5	776VMP0201AG	08/22/2012 20:38	1	ckzg011.d	RTX-624 0.32(mm)
280-32071-6	776VMP0301AG	08/22/2012 21:32	1	ckzg012.d	RTX-624 0.32(mm)
280-32071-7	774IA1AH	08/22/2012 22:25	1	ckzg013.d	RTX-624 0.32(mm)
ZZZZZ		08/22/2012 23:18	1		RTX-624 0.32(mm)
280-32071-9	776IA1GA	08/23/2012 00:12	1	ckzg015.d	RTX-624 0.32(mm)
280-32071-10	786VMP0102AG	08/23/2012 01:05	1	ckzg016.d	RTX-624 0.32(mm)
280-32071-11	786VMP0202AG	08/23/2012 01:59	1	ckzg017.d	RTX-624 0.32(mm)
ZZZZZ		08/23/2012 02:52	1		RTX-624 0.32(mm)
280-32071-13	774776CA01AG	08/23/2012 03:46	1	ckzg019.d	RTX-624 0.32(mm)
280-32071-14	785786CA01AG	08/23/2012 04:39	1.5	ckzg020.d	RTX-624 0.32(mm)
280-32071-15	785IA08	08/23/2012 05:32	1	ckzg021.d	RTX-624 0.32(mm)
280-32071-16	786IA07	08/23/2012 06:26	1	ckzg022.d	RTX-624 0.32(mm)
ZZZZZ		08/23/2012 07:20	1		RTX-624 0.32(mm)
280-32071-18	785VMP0202AH	08/23/2012 08:14	1	ckzg024.d	RTX-624 0.32(mm)
280-32071-19	785VMP0401AG	08/23/2012 09:07	1	ckzg025.d	RTX-624 0.32(mm)
280-32071-20	785VMP0501AD	08/23/2012 10:01	1	ckzg026.d	RTX-624 0.32(mm)
280-32071-8	774776OA1HA	08/23/2012 10:54	1.5	ckzg027.d	RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
FFM REM.	280-32071	8/13/12	1515	29.3	21	G-1	

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers	NA		
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	2512	-4.2	N	5293	Y	3320 CKXF	200 mL
2	7678	-2.3	"	4610	"	"	"
3	5135	-3.8	"	5315	"	2547 CKXF	"
4	4282	-1.4	"	5324	"	3320 CKXF	"
5	3283	-0.0	"	4691	"	5622 CKXF	"
6	2669	-1.7	"	4681	"	3320 CKXF	"
7	4111	0.0	Y	~~2811~~ 5739	"	2547 CKXF	
8	2788	"	"	2811 ~~4296~~	"	"	
9	4290	"	"	3058 ~~4680~~	"	3622 CKXF	~~200 mL~~
10	3632	0.0	N	4826 ~~5067~~	"	3320 CKXF	200 mL
11	5052	-1.4	"	4615 ~~5312~~	"	3622 CKXF	"
12	4123	0.0	"	5318	~~N/A~~	3320 CKXF	"
13	4240	0.0	"	N/A	N/A	3622 CKXF	Grab
14	4441	0.0	"	N/A	N/A	2547 CKXF	"
15	3290	0.0	Y	5190	Y	"	
16	3341	0.0	"	3695	"	3320 CKXF	
17	5143	0.0	"	4766	"	2547 CKXF	
18	4557	-3.1	N	4603	"	3622 CKXF	200 mL
19	4468	0.0	"	4701	"	"	"
20	2977	-1.3	"	4617	"	"	"
21	2721	-29.1	"	N/A	N/A	3266 CKXF	Grab 5510

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 50/p58, 61, 62

GC/MS Air Instrument Run Log

Sequence				Standard Traceability		Instrument Information
Target Batch ID: GK2	Start Date: 8/14/12	Time: 1625		ISTD Container ID: 248052		Instrument ID: C
Test Method: TO15	End Date: 8/15/12	Time: 1625		CCV Container ID: see comment		Instrument: 5973
ICAL Date: 8/14/12				ICV/LCS Container ID: see comment		Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1625	GL 01	NA	BFB	NA	NA	NA	KMD	NA	✓		
1721	GL 02	46852	vibblk	1	1	200		✓	—	AHV	
1813	03	3142	IC level 5	1	2	40		✓	—		376693
1907	04	3142	IC level 1	1	2	200		✓	—		376683
2000	05	3611	IC level 2	1	3	1		✓	—		376702
2053	06	3163A	IC level 3	1	4	1		✓	✓		376619
2147	07	42353	IC level 4	1	5	1		✓	✓		376617 do not use
2241	08	30351	IC level 5	1	6	1	AHV	✓	✓		376603
2334	09	49443	IC level 6	1	7	1		✓	✓	KMD	376621
0028	10	36419	IC level 7	1	8	1		✓	✓		376607
0121	11	46832	vibblk	1	1	1					
0215	12	25188	ICV	1	9	1					376631
0309	13	25188	LCS	1	9	1					376624
0401	14	46832	MB	1	1	1					
0454	15	3642	DCS Daily	NA	3	200	KMD	✓	✓		376604
0722	16	25188	Internal ISTD	1	9	1					376620 Do NOT use
0816	17	46832	VIBLK	1	1	1					
1057	18	3442	ICV	1	9	1		✓	✓		376622

8/15/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

#44087

Sequence				Standard Traceability		Instrument Information
Target Batch ID: CK26	Start Date: 8/22/12	Time: 1145		ISTD Container ID: 248052		Instrument ID: C
Test Method: TO15	End Date: 8/23/12	Time: 1145		CCV Container ID: 3706041		Instrument: 5973
ICAL Date: 8/14/12	43490			ICV/LCS Container ID: 3706022		Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1145	CK26-001	N/A	BFB	N/A	---		PAD	N/A	✓	PAD	
1234	002	36042	CCVIS	|	1	200	|	↓	✓	|	AG 74 + MN
1331	003	3482	LCS	|	2	200	|	✓	✓	|	1A AH74 + MN
1424	004	4633	MB	↓	3	200	|	✓	✓	|	
1517	005	5040	12304-01	1	4	200	|	✓	✓	|	C
1611	006	4357	↓ -02	1	5	200	|	✓	✓	|	C
1704	007	2512	32071-01	1	6	200	|	✓	✓	|	C NCM Nap
1758	008	2673	-02	1	7	200	|	✓	✓	|	C
1857	009	5135	-03	1	8	200	|	✓	✓	|	C
1944	010	4182	-04	1	9	200	|	✓	✓	|	C
2038	011	3243	-05	1	10	200	|	✓	✓	|	C
2132	012	2669	-06	1	11	200	|	✓	✓	|	C
2225	013	4111	-07	1	12	200	|	✓	✓	|	C
2318	014	27858	-08	1	13	200	|	✓	↑	|	acc 42, NL
0012	015	4966	-09	1	14	200	|	✓	✓	|	C
0105	016	5632	-10	1	15	200	|	✓	✓	|	C
0156	017	5081	-11	1	16	200	|	✓	✓	|	C
0252	018	4125	-12	1	1	200	|	✓	↑	|	Acc 41 R
0346	019	4940	-13	1	2	200	|	✓	✓	|	C
0439	020	4441	-14	1.25	3	133	|	✓	✓	|	C
0532	021	3250	-15	1	4	200	|	✓	✓	|	C
0626	022	3341	-16	1	5	200	↓	✓	✓	|	C
0720	023	5143	-17	1	6	200	MHL	✓	↑	|	Acc 72 R
0814	024	4557	-18	1	7	|	|	✓	✓	|	C
0907	025	4485	-19	1	8	|	|	✓	✓	|	C
1001	026	2477	-20	1	9	↓	|	✓	✓	|	C
1054	↓ 027	27858	↓ -08	1.50	13	133	↓	✓	✓	↓	C

AHL 8/23/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

44077

GC/MS Air Instrument Run Log

Sequence				Standard Traceability		Instrument Information
Target Batch ID: CK2100	Start Date: 8/9/12	Time: 1030		ISTD Container ID:	248052	Instrument ID: C
Test Method: TO15	End Date: 8/10/12	Time: 1030		CCV Container ID:	350609	Instrument: 5973
ICAL Date:				ICV/LCS Container ID:	310623	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1030	CK2100		3PB5	NA	NA	NA	WHD	NA	NA	WHD	
1124	02	3842	CCV	1	1	200			✓		4th 24hr CCV
1215	03	3837	LCS		2			✓	✓		" " "
1308	04	4633	MB		3			✓	✓		
1358	05	4120	32001-12	1.5	4	133	WHD	✓	✓		C
1452	06	5143	-17	2	5	100		✓	✓		C
1504	07	3485	12369-4	0.2	6	2000		✓	✓		
1557	08	5021	12387-11	0.2	7	1		✓	✓		
1651	09	4363	12301-1	1	8	200		✓	✓		C
2045	10	5059	-2		9	1		✓	✓		C
1737	11	2576	-3		10			✓	✓		C
2231	12	3015	12312-3	36.0	11	186		✓	↑ ✓		CCV= 33.5-0
2324	13	3015	-3	181	11	37		✓	↑ A		1 Acc. 32,000
0017	14	2224	32001-21	1	12	200	WHD	✓	✓		C
0111	15	3438	12285-1	0.2	13	1000		✓	✓		
0204	16	4010	12363-1	1	14	200		✓	✓		C
0257	17	5157	-2		15			✓	✓		C
0351	18	2637	-3		16			✓	✓		C
0444	19	4345	-4		1			✓	✓		C
0538	20	4285	-5		2			✓	✓		C
0631	21	3604	-6		3			✓	✓		C
0724	22	4957	12362-01	3.57	4	56	WHD	✓	✓		C
0818	23	5347	-02	1	5	200		✓	✓		C
0912	24	4668	-03	1	6	200		✓	✓		C
	25	4485	-04	1	7	200					
	26	3977	-05	1	8	200					5th 8/25/12
	27	3846	-06	1	9	200					
1005	28	3015	12312-3	1100	11	23	WHD	✓	✓ NL	WHD	CCV= 126.2 C

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-32071-1

Login Number: 32071

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-32071-1

Login Number: 32071
List Number: 1
Creator: Poucher, Stephanie A

List Source: TestAmerica Burlington
List Creation: 08/13/12 02:21 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	No numbers
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ambient
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Appendix D

Validated Data

FPM REMEDIATIONS, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
GRIFFISS SUBSLAB VAPOR MITIGATION SYSTEM
Site Griffiss AFB Buildings 774/776, 785/786
Contract No. FA8903-10-D-8595

FPM Project No. 1015-11-01

TestAmerica Job # 280-32071-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil gas
Number of Samples:	21
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	August 3, 6, 8, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	Sample ID	Date
774VMP0101AG	8/6/12		
774VMP0201AG	8/6/12		
774VMP0301AG	8/6/12		
776VMP0101AG	8/6/12		
776VMP0201AG	8/6/12		
776VMP0301AG	8/6/12		
774IA1AH	8/6/12		
774776OA1HA	8/6/12		
776IA1GA	8/6/12		
786VMP0102AG	8/8/12		
786VMP0202AG	8/8/12		
786VMP0302AG	8/8/12		
785786CA01AG	8/3/12	TRIP BLANK	8/8/12
774776CA01AG	8/3/12		
785IA08	8/8/12		
786IA07	8/8/12		
785786OA04	8/8/12		
785VMP0202AH	8/8/12		
785VMP0401AG	8/8/12		
785VMP0501AD	8/8/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
AG, AH, AD, HA – Primary environmental samples

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included the EPA Compendium Methods for toxic organics: Volatile Organic Compounds (VOC) by EPA method TO-15.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between MDL and RL (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blank concentrations less than half the RL, no further action was taken in such instances.

SAMPLE LABELING/CHAIN-OF-CUSTODY

No errors in the chain-of-custody were noted. There were no discrepancies noted between the sample labels and the chain-of-custody, or the cooler contents and the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions: 774776OA1HA, 786VMP0302AG, and 785786CA01AG at 1:1.5; and 785786OA04 at 1:2. The dilution results only are reported and are used in data verification as representing original results.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL) (for the purposes of this data review, the RL is assumed to be equal to the LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration ($\mu g/m^3$)	Reporting Limit ($\mu g/m^3$)	Samples Affected
TRIP BLANK	Acetone	6.5 J	12	774VMP0101AG, 774VMP0301AG, 774IA1AH, 786VMP0102AG, 786VMP0202AG, 774776CA01AG, 785IA08, 785VMP0202AH, 785VMP0501AD
	Methyl Ethyl Ketone	2.4	1.5	774VMP0101AG, 774VMP0201AG, 774VMP0301AG, 776VMP0201AG, 776VMP0301AG, 774IA1AH, 774776OA1HA, 776IA1GA, 786VMP0102AG, 786VMP0202AG, 774776CA01AG, 785786CA01AG, 785IA08, 786IA07, 785786OA04, 785VMP0202AH, 785VMP0401AG, 785VMP0501AD

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the DOD QSM and consistent the project-specific QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the results for the analytes detected in the trip blank for the field samples as shown in the table above.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
TestAmerica Job #280-32071-1: LCS/LCSD 200-44081/3				
LCS: Naphthalene	***134***	70-130	J for detected results	%Rec greater than upper control limit

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are estimated (flagged "UJ"), unless a very low bias (<30%) is observed, in which case the non-detects are rejected (flagged "R"). The DOD QSM does allow for sporadic marginal exceedances.

- **Corrective Action:** According to the case narrative, the laboratory did not perform corrective action since the LCS exceeded control limits and some associated results were non-detect. Using professional judgment, the results were deemed usable with qualification, so "J" flags were applied to all associated (detected) results.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are usable with the data qualifiers as noted. It should be noted that non-reportable results did not affect overall data usability. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-32071-1 are usable, which can be used with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 10/30/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-32071-1

Job Description: Griffiss AFB Soil Vapor

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine Walker
Project Manager I
9/10/2012 4:33 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
09/10/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 5

Sample Summary 10

Executive Summary 11

Method Summary 49

Method / Analyst Summary 50

Sample Datasheets 51

QC Data Summary 135

Data Qualifiers 147

QC Association Summary 148

Lab Chronicle 149

Reagent Traceability 154

Certification Summary 219

Organic Sample Data 220

Air - GC/MS VOA 220

Method TO15 220

Method TO15 QC Summary 221

Method TO15 Sample Data 233

Standards Data 1044

Method TO15 ICAL Data 1044

Method TO15 CCAL Data 1095

Raw QC Data 1118

Method TO15 Tune Data 1118

Method TO15 Blank Data 1130

Table of Contents

Method TO15 LCS/LCSD Data 1153

Method TO15 Run Logs 1168

Subcontracted Data 1171

Shipping and Receiving Documents 1175

Client Chain of Custody 1176

Sample Receipt Checklist 1178

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Soil Vapor
Report Number: 280-32071-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Twenty-one samples were received at TestAmerica Burlington on 08/10/2012; the samples arrived in good condition, and properly preserved.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC) for the collection time: 776VMP0301AG (280-32071-6). The container labels lists a time of 10:35, while the COC lists a time of 10:30. The samples collection time was logged in per COC.

TO-15 - VOLAITLE ORGANIC COMPOUNDS

Samples 774VMP0101AG (280-32071-1), 774VMP0201AG (280-32071-2), 774VMP0301AG (280-32071-3), 776VMP0101AG (280-32071-4), 776VMP0201AG (280-32071-5), 776VMP0301AG (280-32071-6), 774IA1AH (280-32071-7), 774776OA1HA (280-32071-8), 776IA1GA (280-32071-9), 786VMP0102AG (280-32071-10), 786VMP0202AG (280-32071-11), 786VMP0302AG (280-32071-12), 774776CA01AG (280-32071-13), 785786CA01AG (280-32071-14), 785IA08 (280-32071-15), 786IA07 (280-32071-16), 785786OA04 (280-32071-17), 785VMP0202AH (280-32071-18), 785VMP0401AG (280-32071-19), 785VMP0501AD (280-32071-20), and TRIP BLANK (280-32071-21) were analyzed for EPA-21 in accordance with TO-15. The samples were analyzed on 08/22/2012, 08/23/2012, 08/27/2012 and 08/28/2012.

Methylene Chloride was detected in method blank MB 200-44077/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

Methylene Chloride was detected in method blank MB 200-44081/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 280-44081 exceeded control limits for Naphthalene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Naphthalene was flagged "Q" in the associated samples.

Samples 774776OA1HA (280-32071-8)[1.5X], 786VMP0302AG (280-32071-12)[1.5X], 785786CA01AG (280-32071-14)[1.5X] and 785786OA04 (280-32071-17)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TO15 analyses.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 43490

Lab Sample ID: IC 200-43490/3 Client Sample ID:

Date Analyzed: 08/14/12 18:13 Lab File ID: ckz003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.13	Poor chromatography	ahk	08/14/12 22:55
Carbon tetrachloride	12.78	Poor chromatography		

Lab Sample ID: IC 200-43490/4 Client Sample ID:

Date Analyzed: 08/14/12 19:07 Lab File ID: ckz004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.95	Poor chromatography		
Methyl tert-butyl ether	9.66	Poor chromatography		
n-Butanol	14.24	Analyte misidentified by the data system	ahk	08/14/12 23:01
trans-1,3-Dichloropropene	17.23	Poor chromatography		
n-Nonane	19.79	Peak not found by the data system	ahk	08/14/12 23:02
n-Dodecane	25.46	Peak not found by the data system	ahk	08/14/12 23:02

Lab Sample ID: IC 200-43490/5 Client Sample ID:

Date Analyzed: 08/14/12 20:00 Lab File ID: ckz005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	14.24	Peak not found by the data system	ahk	08/14/12 23:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44077

Lab Sample ID: CCVIS 200-44077/2 Client Sample ID:

Date Analyzed: 08/27/12 11:24 Lab File ID: ckzi002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.87	Baseline event	klp	08/28/12 14:50
Acetonitrile	8.91	Baseline event	wrd	08/27/12 11:57

Lab Sample ID: LCS 200-44077/3 Client Sample ID:

Date Analyzed: 08/27/12 12:15 Lab File ID: ckzi003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.87	Baseline event	wrd	08/27/12 13:01

Lab Sample ID: 280-32071-12 Client Sample ID: 786VMP0302AG

Date Analyzed: 08/27/12 13:58 Lab File ID: ckzi005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon TF	8.03	Baseline event	wrd	08/28/12 09:11
Carbon tetrachloride	12.77	Baseline event	wrd	08/28/12 09:12
Ethylbenzene	19.63	Baseline event	wrd	08/28/12 09:13

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44081

Lab Sample ID: MB 200-44081/4 Client Sample ID:

Date Analyzed: 08/22/12 14:24 Lab File ID: ckzg004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.18	Baseline event	pd	08/23/12 14:31

Lab Sample ID: 280-32071-1 Client Sample ID: 774VMP0101AG

Date Analyzed: 08/22/12 17:04 Lab File ID: ckzg007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	12.20	Baseline event	pd	08/23/12 14:38

Lab Sample ID: 280-32071-2 Client Sample ID: 774VMP0201AG

Date Analyzed: 08/22/12 17:58 Lab File ID: ckzg008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 14:57
Carbon tetrachloride	12.79	Baseline event	pd	08/23/12 14:57

Lab Sample ID: 280-32071-4 Client Sample ID: 776VMP0101AG

Date Analyzed: 08/22/12 19:44 Lab File ID: ckzg010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.77	Baseline event	pd	08/23/12 15:02

Lab Sample ID: 280-32071-5 Client Sample ID: 776VMP0201AG

Date Analyzed: 08/22/12 20:38 Lab File ID: ckzg011.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.77	Baseline event	pd	08/23/12 15:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44081

Lab Sample ID: 280-32071-6 Client Sample ID: 776VMP0301AG

Date Analyzed: 08/22/12 21:32 Lab File ID: ckzg012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.78	Baseline event	pd	08/23/12 15:06

Lab Sample ID: 280-32071-7 Client Sample ID: 774IA1AH

Date Analyzed: 08/22/12 22:25 Lab File ID: ckzg013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 15:08
Methyl Butyl Ketone (2-Hexanone)	17.99	Baseline event	pd	08/23/12 15:09

Lab Sample ID: 280-32071-9 Client Sample ID: 776IA1GA

Date Analyzed: 08/23/12 00:12 Lab File ID: ckzg015.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon tetrachloride	12.78	Baseline event	pd	08/23/12 15:12

Lab Sample ID: 280-32071-10 Client Sample ID: 786VMP0102AG

Date Analyzed: 08/23/12 01:05 Lab File ID: ckzg016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 15:16

Lab Sample ID: 280-32071-16 Client Sample ID: 786IA07

Date Analyzed: 08/23/12 06:26 Lab File ID: ckzg022.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	17.76	Baseline event	pd	08/23/12 15:37

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-32071-1

SDG No.:

Instrument ID: C.i Analysis Batch Number: 44081

Lab Sample ID: 280-32071-19 Client Sample ID: 785VMP0401AG

Date Analyzed: 08/23/12 09:07 Lab File ID: ckzg025.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane	12.52	Baseline event	pd	08/23/12 15:45

Lab Sample ID: 280-32071-20 Client Sample ID: 785VMP0501AD

Date Analyzed: 08/23/12 10:01 Lab File ID: ckzg026.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.17	Baseline event	pd	08/23/12 15:47
1,1,1-Trichloroethane	12.52	Baseline event	pd	08/23/12 15:47
Benzene	13.18	Baseline event	pd	08/23/12 15:48

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-32071-1	774VMP0101AG	Air	08/06/2012 1345	08/10/2012 0945
280-32071-2	774VMP0201AG	Air	08/06/2012 1400	08/10/2012 0945
280-32071-3	774VMP0301AG	Air	08/06/2012 1410	08/10/2012 0945
280-32071-4	776VMP0101AG	Air	08/06/2012 1020	08/10/2012 0945
280-32071-5	776VMP0201AG	Air	08/06/2012 0950	08/10/2012 0945
280-32071-6	776VMP0301AG	Air	08/06/2012 1030	08/10/2012 0945
280-32071-7	774IA1AH	Air	08/06/2012 1420	08/10/2012 0945
280-32071-8	774776OA1HA	Air	08/06/2012 1130	08/10/2012 0945
280-32071-9	776IA1GA	Air	08/06/2012 1025	08/10/2012 0945
280-32071-10	786VMP0102AG	Air	08/08/2012 1050	08/10/2012 0945
280-32071-11	786VMP0202AG	Air	08/08/2012 1120	08/10/2012 0945
280-32071-12	786VMP0302AG	Air	08/08/2012 1030	08/10/2012 0945
280-32071-13	774776CA01AG	Air	08/03/2012 1430	08/10/2012 0945
280-32071-14	785786CA01AG	Air	08/03/2012 1325	08/10/2012 0945
280-32071-15	785IA08	Air	08/08/2012 1420	08/10/2012 0945
280-32071-16	786IA07	Air	08/08/2012 1110	08/10/2012 0945
280-32071-17	785786OA04	Air	08/08/2012 1150	08/10/2012 0945
280-32071-18	785VMP0202AH	Air	08/08/2012 1440	08/10/2012 0945
280-32071-19	785VMP0401AG	Air	08/08/2012 1410	08/10/2012 0945
280-32071-20	785VMP0501AD	Air	08/08/2012 1500	08/10/2012 0945
280-32071-21TB	TRIP BLANK	Air	08/08/2012 0900	08/10/2012 0945

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-1	774VMP0101AG					
Dichlorodifluoromethane		0.56		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.8		2.5	ug/m3	TO-15
Freon 22		23		0.50	ppb v/v	TO-15
Freon 22		83		1.8	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.61		0.50	ppb v/v	TO-15
n-Butane		1.4		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.41		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.3		1.1	ug/m3	TO-15
Freon TF		0.082	J	0.20	ppb v/v	TO-15
Freon TF		0.63	J	1.5	ug/m3	TO-15
Acetone		13		5.0	ppb v/v	TO-15
Acetone		30		12	ug/m3	TO-15
Isopropyl alcohol		8.8		5.0	ppb v/v	TO-15
Isopropyl alcohol		22		12	ug/m3	TO-15
Methylene Chloride		0.21	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.72	J	1.7	ug/m3	TO-15
n-Hexane		0.33		0.20	ppb v/v	TO-15
n-Hexane		1.2		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.2		1.5	ug/m3	TO-15
Chloroform		0.077	J M	0.20	ppb v/v	TO-15
Chloroform		0.38	J M	0.98	ug/m3	TO-15
Tetrahydrofuran		0.74	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.2	J	15	ug/m3	TO-15
Cyclohexane		0.67		0.20	ppb v/v	TO-15
Cyclohexane		2.3		0.69	ug/m3	TO-15
Carbon tetrachloride		0.079	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.50	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.47		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		2.2		0.93	ug/m3	TO-15
Benzene		0.14	J	0.20	ppb v/v	TO-15
Benzene		0.44	J	0.64	ug/m3	TO-15
n-Heptane		0.17	J	0.20	ppb v/v	TO-15
n-Heptane		0.68	J	0.82	ug/m3	TO-15
Trichloroethene		0.19	J	0.20	ppb v/v	TO-15
Trichloroethene		1.0	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.28	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.1	J	2.0	ug/m3	TO-15
Toluene		1.1		0.20	ppb v/v	TO-15
Toluene		4.2		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.10	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.43	J	2.0	ug/m3	TO-15
Ethylbenzene		0.22		0.20	ppb v/v	TO-15
Ethylbenzene		0.95		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.72		0.50	ppb v/v	TO-15
m,p-Xylene		3.1		2.2	ug/m3	TO-15
Xylene, o-		0.28		0.20	ppb v/v	TO-15
Xylene, o-		1.2		0.87	ug/m3	TO-15
Xylene (total)		1.0		0.20	ppb v/v	TO-15
Xylene (total)		4.4		0.87	ug/m3	TO-15
Styrene		0.11	J	0.20	ppb v/v	TO-15
Styrene		0.48	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.073	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.36	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.56	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.095	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.47	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.37		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.8		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.051	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.28	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.067	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.40	J	1.2	ug/m3	TO-15
Naphthalene		0.11	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.60	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-2	774VMP0201AG					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		38		0.50	ppb v/v	TO-15
Freon 22		130		1.8	ug/m3	TO-15
Chloromethane		0.37	J	0.50	ppb v/v	TO-15
Chloromethane		0.77	J	1.0	ug/m3	TO-15
n-Butane		0.49	J	0.50	ppb v/v	TO-15
n-Butane		1.2	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.67		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.8		1.1	ug/m3	TO-15
Freon TF		0.080	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		18		5.0	ppb v/v	TO-15
Acetone		43		12	ug/m3	TO-15
Isopropyl alcohol		12		5.0	ppb v/v	TO-15
Isopropyl alcohol		30		12	ug/m3	TO-15
Carbon disulfide		0.37	J	0.50	ppb v/v	TO-15
Carbon disulfide		1.2	J	1.6	ug/m3	TO-15
Methylene Chloride		0.17	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.59	J M	1.7	ug/m3	TO-15
n-Hexane		0.22		0.20	ppb v/v	TO-15
n-Hexane		0.77		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.4		1.5	ug/m3	TO-15
Chloroform		0.14	J	0.20	ppb v/v	TO-15
Chloroform		0.69	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.49	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.47		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.6		1.1	ug/m3	TO-15
Cyclohexane		0.52		0.20	ppb v/v	TO-15
Cyclohexane		1.8		0.69	ug/m3	TO-15
Carbon tetrachloride		0.093	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.59	J M	1.3	ug/m3	TO-15
Benzene		0.16	J	0.20	ppb v/v	TO-15
Benzene		0.53	J	0.64	ug/m3	TO-15
n-Heptane		0.21		0.20	ppb v/v	TO-15
n-Heptane		0.88		0.82	ug/m3	TO-15
Trichloroethene		3.8		0.20	ppb v/v	TO-15
Trichloroethene		20		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.33	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.3	J	2.0	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		3.9		0.75	ug/m3	TO-15
Ethylbenzene		0.22		0.20	ppb v/v	TO-15
Ethylbenzene		0.94		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.71		0.50	ppb v/v	TO-15
m,p-Xylene		3.1		2.2	ug/m3	TO-15
Xylene, o-		0.26		0.20	ppb v/v	TO-15
Xylene, o-		1.1		0.87	ug/m3	TO-15
Xylene (total)		0.97		0.20	ppb v/v	TO-15
Xylene (total)		4.2		0.87	ug/m3	TO-15
Styrene		0.10	J	0.20	ppb v/v	TO-15
Styrene		0.44	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.063	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.31	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.52	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.088	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.43	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.35		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.7		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.062	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.34	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.062	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.37	J	1.2	ug/m3	TO-15
Naphthalene		0.37	J Q	0.50	ppb v/v	TO-15
Naphthalene		1.9	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-3	774VMP0301AG					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		7.4		0.50	ppb v/v	TO-15
Freon 22		26		1.8	ug/m3	TO-15
Chloromethane		0.21	J	0.50	ppb v/v	TO-15
Chloromethane		0.43	J	1.0	ug/m3	TO-15
n-Butane		1.1		0.50	ppb v/v	TO-15
n-Butane		2.7		1.2	ug/m3	TO-15
Trichlorofluoromethane		2.7		0.20	ppb v/v	TO-15
Trichlorofluoromethane		15		1.1	ug/m3	TO-15
Freon TF		0.066	J	0.20	ppb v/v	TO-15
Freon TF		0.51	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		25		12	ug/m3	TO-15
Isopropyl alcohol		1.7	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		4.2	J	12	ug/m3	TO-15
Carbon disulfide		0.10	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.32	J	1.6	ug/m3	TO-15
Methylene Chloride		0.61		0.50	ppb v/v	TO-15
Methylene Chloride		2.1		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.42	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.3	J	15	ug/m3	TO-15
n-Hexane		0.44		0.20	ppb v/v	TO-15
n-Hexane		1.6		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.8		1.5	ug/m3	TO-15
Chloroform		0.045	J	0.20	ppb v/v	TO-15
Chloroform		0.22	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.45	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.3	J	15	ug/m3	TO-15
Cyclohexane		0.24		0.20	ppb v/v	TO-15
Cyclohexane		0.83		0.69	ug/m3	TO-15
Benzene		0.12	J	0.20	ppb v/v	TO-15
Benzene		0.38	J	0.64	ug/m3	TO-15
n-Heptane		0.18	J	0.20	ppb v/v	TO-15
n-Heptane		0.72	J	0.82	ug/m3	TO-15
Trichloroethene		0.19	J	0.20	ppb v/v	TO-15
Trichloroethene		1.0	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.091	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.37	J	2.0	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		4.0		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.20	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.81	J	2.0	ug/m3	TO-15
Ethylbenzene		0.10	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.45	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.28	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.2	J	2.2	ug/m3	TO-15
Xylene, o-		0.088	J	0.20	ppb v/v	TO-15
Xylene, o-		0.38	J	0.87	ug/m3	TO-15
Xylene (total)		0.37		0.20	ppb v/v	TO-15
Xylene (total)		1.6		0.87	ug/m3	TO-15
Styrene		0.073	J	0.20	ppb v/v	TO-15
Styrene		0.31	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.071	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.35	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.049	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.27	J	1.1	ug/m3	TO-15
Naphthalene		0.13	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.68	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-4	776VMP0101AG					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		3.8		0.50	ppb v/v	TO-15
Freon 22		13		1.8	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		1.2		0.50	ppb v/v	TO-15
n-Butane		2.8		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.084	J	0.20	ppb v/v	TO-15
Freon TF		0.65	J	1.5	ug/m3	TO-15
Acetone		24		5.0	ppb v/v	TO-15
Acetone		57		12	ug/m3	TO-15
Isopropyl alcohol		19		5.0	ppb v/v	TO-15
Isopropyl alcohol		46		12	ug/m3	TO-15
Carbon disulfide		3.1		0.50	ppb v/v	TO-15
Carbon disulfide		9.5		1.6	ug/m3	TO-15
Methylene Chloride		0.15	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.52	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.65	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.0	J	15	ug/m3	TO-15
Methyl Ethyl Ketone		4.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		13		1.5	ug/m3	TO-15
Tetrahydrofuran		0.24	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.72	J	15	ug/m3	TO-15
Cyclohexane		0.84		0.20	ppb v/v	TO-15
Cyclohexane		2.9		0.69	ug/m3	TO-15
Carbon tetrachloride		0.13	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.83	J M	1.3	ug/m3	TO-15
Benzene		0.13	J	0.20	ppb v/v	TO-15
Benzene		0.43	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.080	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.32	J	0.81	ug/m3	TO-15
n-Heptane		0.092	J	0.20	ppb v/v	TO-15
n-Heptane		0.38	J	0.82	ug/m3	TO-15
methyl isobutyl ketone		0.75		0.50	ppb v/v	TO-15
methyl isobutyl ketone		3.1		2.0	ug/m3	TO-15
Toluene		0.40		0.20	ppb v/v	TO-15
Toluene		1.5		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.33	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.4	J	2.0	ug/m3	TO-15
Ethylbenzene		0.21		0.20	ppb v/v	TO-15
Ethylbenzene		0.92		0.87	ug/m3	TO-15
m,p-Xylene		0.43	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.8	J	2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.15	J	0.20	ppb v/v	TO-15
Xylene, o-		0.65	J	0.87	ug/m3	TO-15
Xylene (total)		0.58		0.20	ppb v/v	TO-15
Xylene (total)		2.5		0.87	ug/m3	TO-15
Styrene		0.24		0.20	ppb v/v	TO-15
Styrene		1.0		0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.093	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.46	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.060	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.33	J	1.1	ug/m3	TO-15
Naphthalene		0.61	Q	0.50	ppb v/v	TO-15
Naphthalene		3.2	Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-5	**776VMP0201AG**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		3.8		0.50	ppb v/v	TO-15
Freon 22		14		1.8	ug/m3	TO-15
Chloromethane		0.67		0.50	ppb v/v	TO-15
Chloromethane		1.4		1.0	ug/m3	TO-15
n-Butane		1.4		0.50	ppb v/v	TO-15
n-Butane		3.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.088	J	0.20	ppb v/v	TO-15
Freon TF		0.67	J	1.5	ug/m3	TO-15
Acetone		18		5.0	ppb v/v	TO-15
Acetone		43		12	ug/m3	TO-15
Isopropyl alcohol		16		5.0	ppb v/v	TO-15
Isopropyl alcohol		40		12	ug/m3	TO-15
Carbon disulfide		0.13	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.41	J	1.6	ug/m3	TO-15
Methylene Chloride		0.27	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.92	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.42	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.3	J	15	ug/m3	TO-15
n-Hexane		0.12	J	0.20	ppb v/v	TO-15
n-Hexane		0.43	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.3		1.5	ug/m3	TO-15
Chloroform		0.045	J	0.20	ppb v/v	TO-15
Chloroform		0.22	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.39	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.1	J	15	ug/m3	TO-15
Cyclohexane		0.61		0.20	ppb v/v	TO-15
Cyclohexane		2.1		0.69	ug/m3	TO-15
Carbon tetrachloride		0.11	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.70	J M	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.56	J	0.93	ug/m3	TO-15
Benzene		0.14	J	0.20	ppb v/v	TO-15
Benzene		0.43	J	0.64	ug/m3	TO-15
n-Heptane		0.10	J	0.20	ppb v/v	TO-15
n-Heptane		0.43	J	0.82	ug/m3	TO-15
Trichloroethene		0.26		0.20	ppb v/v	TO-15
Trichloroethene		1.4		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.47	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.9	J	2.0	ug/m3	TO-15
Toluene		0.46		0.20	ppb v/v	TO-15
Toluene		1.7		0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Methyl Butyl Ketone (2-Hexanone)	0.25	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)	1.0	J	2.0	ug/m3	TO-15
Ethylbenzene	0.25		0.20	ppb v/v	TO-15
Ethylbenzene	1.1		0.87	ug/m3	TO-15
m,p-Xylene	0.55		0.50	ppb v/v	TO-15
m,p-Xylene	2.4		2.2	ug/m3	TO-15
Xylene, o-	0.19	J	0.20	ppb v/v	TO-15
Xylene, o-	0.82	J	0.87	ug/m3	TO-15
Xylene (total)	0.73		0.20	ppb v/v	TO-15
Xylene (total)	3.2		0.87	ug/m3	TO-15
Styrene	0.41		0.20	ppb v/v	TO-15
Styrene	1.8		0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.092	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.45	J	0.98	ug/m3	TO-15
4-Isopropyltoluene	0.075	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene	0.41	J	1.1	ug/m3	TO-15
Naphthalene	0.36	J Q	0.50	ppb v/v	TO-15
Naphthalene	1.9	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-6	776VMP0301AG					
Dichlorodifluoromethane		0.50		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		4.1		0.50	ppb v/v	TO-15
Freon 22		15		1.8	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		6.7		0.50	ppb v/v	TO-15
n-Butane		16		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.25		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.079	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		21		5.0	ppb v/v	TO-15
Acetone		50		12	ug/m3	TO-15
Isopropyl alcohol		11		5.0	ppb v/v	TO-15
Isopropyl alcohol		28		12	ug/m3	TO-15
Carbon disulfide		0.14	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.44	J	1.6	ug/m3	TO-15
Methylene Chloride		0.29	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.99	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.46	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.4	J	15	ug/m3	TO-15
n-Hexane		0.26		0.20	ppb v/v	TO-15
n-Hexane		0.91		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		2.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		7.0		1.5	ug/m3	TO-15
Chloroform		0.18	J	0.20	ppb v/v	TO-15
Chloroform		0.87	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.84	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		2.5	J	15	ug/m3	TO-15
Cyclohexane		0.82		0.20	ppb v/v	TO-15
Cyclohexane		2.8		0.69	ug/m3	TO-15
Carbon tetrachloride		0.095	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.60	J M	1.3	ug/m3	TO-15
Benzene		0.099	J	0.20	ppb v/v	TO-15
Benzene		0.32	J	0.64	ug/m3	TO-15
n-Heptane		0.11	J	0.20	ppb v/v	TO-15
n-Heptane		0.45	J	0.82	ug/m3	TO-15
Trichloroethene		2.2		0.20	ppb v/v	TO-15
Trichloroethene		12		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.76		0.50	ppb v/v	TO-15
methyl isobutyl ketone		3.1		2.0	ug/m3	TO-15
Toluene		0.48		0.20	ppb v/v	TO-15
Toluene		1.8		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.19	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.78	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID Analyte	Result	Qualifier	Reporting Limit	Units	Method
Chlorobenzene	0.047	J	0.20	ppb v/v	TO-15
Chlorobenzene	0.22	J	0.92	ug/m3	TO-15
Ethylbenzene	0.17	J	0.20	ppb v/v	TO-15
Ethylbenzene	0.72	J	0.87	ug/m3	TO-15
m,p-Xylene	0.40	J	0.50	ppb v/v	TO-15
m,p-Xylene	1.7	J	2.2	ug/m3	TO-15
Xylene, o-	0.13	J	0.20	ppb v/v	TO-15
Xylene, o-	0.58	J	0.87	ug/m3	TO-15
Xylene (total)	0.53		0.20	ppb v/v	TO-15
Xylene (total)	2.3		0.87	ug/m3	TO-15
Styrene	0.19	J	0.20	ppb v/v	TO-15
Styrene	0.79	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.11	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.52	J	0.98	ug/m3	TO-15
4-Isopropyltoluene	0.073	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene	0.40	J	1.1	ug/m3	TO-15
Naphthalene	0.31	J Q	0.50	ppb v/v	TO-15
Naphthalene	1.6	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-7	**774IA1AH**					
Dichlorodifluoromethane		0.48	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		11		0.50	ppb v/v	TO-15
Freon 22		40		1.8	ug/m3	TO-15
Chloromethane		0.56		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
n-Butane		0.14	J	0.50	ppb v/v	TO-15
n-Butane		0.32	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.88		0.20	ppb v/v	TO-15
Trichlorofluoromethane		5.0		1.1	ug/m3	TO-15
Freon TF		0.074	J	0.20	ppb v/v	TO-15
Freon TF		0.56	J	1.5	ug/m3	TO-15
Acetone		13		5.0	ppb v/v	TO-15
Acetone		32		12	ug/m3	TO-15
Isopropyl alcohol		3.4	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		8.3	J	12	ug/m3	TO-15
Methylene Chloride		0.13	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.45	J M	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.75		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.2		1.5	ug/m3	TO-15
Chloroform		0.058	J	0.20	ppb v/v	TO-15
Chloroform		0.28	J	0.98	ug/m3	TO-15
Carbon tetrachloride		0.072	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
Trichloroethene		0.065	J	0.20	ppb v/v	TO-15
Trichloroethene		0.35	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.090	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.37	J	2.0	ug/m3	TO-15
Toluene		0.13	J	0.20	ppb v/v	TO-15
Toluene		0.47	J	0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.15	J M	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.62	J M	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-8	**774776OA1HA**					
Dichlorodifluoromethane		0.68	J	0.75	ppb v/v	TO-15
Dichlorodifluoromethane		3.4	J	3.7	ug/m3	TO-15
Freon 22		0.59	J	0.75	ppb v/v	TO-15
Freon 22		2.1	J	2.7	ug/m3	TO-15
Chloromethane		0.68	J	0.75	ppb v/v	TO-15
Chloromethane		1.4	J	1.5	ug/m3	TO-15
n-Butane		9.9		0.75	ppb v/v	TO-15
n-Butane		24		1.8	ug/m3	TO-15
Trichlorofluoromethane		0.25	J	0.30	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	1.7	ug/m3	TO-15
Freon TF		0.080	J	0.30	ppb v/v	TO-15
Freon TF		0.61	J	2.3	ug/m3	TO-15
Acetone		41		7.5	ppb v/v	TO-15
Acetone		97		18	ug/m3	TO-15
Isopropyl alcohol		5.8	J	7.5	ppb v/v	TO-15
Isopropyl alcohol		14	J	18	ug/m3	TO-15
Carbon disulfide		0.74	J	0.75	ppb v/v	TO-15
Carbon disulfide		2.3	J	2.3	ug/m3	TO-15
Methylene Chloride		0.57	J	0.75	ppb v/v	TO-15
Methylene Chloride		2.0	J	2.6	ug/m3	TO-15
tert-Butyl alcohol		0.40	J	7.5	ppb v/v	TO-15
tert-Butyl alcohol		1.2	J	23	ug/m3	TO-15
n-Hexane		2.3		0.30	ppb v/v	TO-15
n-Hexane		8.2		1.1	ug/m3	TO-15
Methyl Ethyl Ketone		2.3		0.75	ppb v/v	TO-15
Methyl Ethyl Ketone		6.7		2.2	ug/m3	TO-15
Tetrahydrofuran		2.8	J	7.5	ppb v/v	TO-15
Tetrahydrofuran		8.2	J	22	ug/m3	TO-15
Cyclohexane		1.5		0.30	ppb v/v	TO-15
Cyclohexane		5.1		1.0	ug/m3	TO-15
Carbon tetrachloride		0.079	J	0.30	ppb v/v	TO-15
Carbon tetrachloride		0.50	J	1.9	ug/m3	TO-15
2,2,4-Trimethylpentane		0.20	J	0.30	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.94	J	1.4	ug/m3	TO-15
Benzene		0.29	J	0.30	ppb v/v	TO-15
Benzene		0.92	J	0.96	ug/m3	TO-15
1,2-Dichloroethane		0.12	J	0.30	ppb v/v	TO-15
1,2-Dichloroethane		0.49	J	1.2	ug/m3	TO-15
n-Heptane		0.88		0.30	ppb v/v	TO-15
n-Heptane		3.6		1.2	ug/m3	TO-15
Toluene		5.2		0.30	ppb v/v	TO-15
Toluene		20		1.1	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.14	J	0.75	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.56	J	3.1	ug/m3	TO-15
Ethylbenzene		0.48		0.30	ppb v/v	TO-15
Ethylbenzene		2.1		1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID Analyte	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene	1.4		0.75	ppb v/v	TO-15
m,p-Xylene	6.2		3.3	ug/m3	TO-15
Xylene, o-	0.50		0.30	ppb v/v	TO-15
Xylene, o-	2.2		1.3	ug/m3	TO-15
Xylene (total)	1.9		0.30	ppb v/v	TO-15
Xylene (total)	8.3		1.3	ug/m3	TO-15
Styrene	0.28	J	0.30	ppb v/v	TO-15
Styrene	1.2	J	1.3	ug/m3	TO-15
4-Ethyltoluene	0.11	J	0.30	ppb v/v	TO-15
4-Ethyltoluene	0.53	J	1.5	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.10	J	0.30	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.51	J	1.5	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.36		0.30	ppb v/v	TO-15
1,2,4-Trimethylbenzene	1.8		1.5	ug/m3	TO-15
4-Isopropyltoluene	0.15	J	0.30	ppb v/v	TO-15
4-Isopropyltoluene	0.80	J	1.6	ug/m3	TO-15
Naphthalene	0.60	J Q	0.75	ppb v/v	TO-15
Naphthalene	3.1	J Q	3.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-9	776IA1GA					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		3.9		0.50	ppb v/v	TO-15
Freon 22		14		1.8	ug/m3	TO-15
Chloromethane		0.72		0.50	ppb v/v	TO-15
Chloromethane		1.5		1.0	ug/m3	TO-15
n-Butane		3.7		0.50	ppb v/v	TO-15
n-Butane		8.9		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.075	J	0.20	ppb v/v	TO-15
Freon TF		0.57	J	1.5	ug/m3	TO-15
Acetone		29		5.0	ppb v/v	TO-15
Acetone		68		12	ug/m3	TO-15
Isopropyl alcohol		23		5.0	ppb v/v	TO-15
Isopropyl alcohol		57		12	ug/m3	TO-15
Carbon disulfide		0.21	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.64	J	1.6	ug/m3	TO-15
Methylene Chloride		0.49	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.7	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		1.8	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		5.4	J	15	ug/m3	TO-15
n-Hexane		0.56		0.20	ppb v/v	TO-15
n-Hexane		2.0		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		2.2		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		6.5		1.5	ug/m3	TO-15
Chloroform		0.051	J	0.20	ppb v/v	TO-15
Chloroform		0.25	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.30	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.90	J	15	ug/m3	TO-15
Cyclohexane		0.35		0.20	ppb v/v	TO-15
Cyclohexane		1.2		0.69	ug/m3	TO-15
Carbon tetrachloride		0.072	J M	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.46	J M	1.3	ug/m3	TO-15
Benzene		0.13	J	0.20	ppb v/v	TO-15
Benzene		0.40	J	0.64	ug/m3	TO-15
n-Heptane		0.36		0.20	ppb v/v	TO-15
n-Heptane		1.5		0.82	ug/m3	TO-15
methyl isobutyl ketone		0.67		0.50	ppb v/v	TO-15
methyl isobutyl ketone		2.7		2.0	ug/m3	TO-15
Toluene		1.4		0.20	ppb v/v	TO-15
Toluene		5.3		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.29	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.2	J	2.0	ug/m3	TO-15
Ethylbenzene		0.26		0.20	ppb v/v	TO-15
Ethylbenzene		1.1		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.57		0.50	ppb v/v	TO-15
m,p-Xylene		2.5		2.2	ug/m3	TO-15
Xylene, o-		0.19	J	0.20	ppb v/v	TO-15
Xylene, o-		0.81	J	0.87	ug/m3	TO-15
Xylene (total)		0.75		0.20	ppb v/v	TO-15
Xylene (total)		3.3		0.87	ug/m3	TO-15
Styrene		0.44		0.20	ppb v/v	TO-15
Styrene		1.9		0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.11	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.55	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.061	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.33	J	1.1	ug/m3	TO-15
Naphthalene		0.42	J Q	0.50	ppb v/v	TO-15
Naphthalene		2.2	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-10	786VMP0102AG					
Dichlorodifluoromethane		0.48	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.24	J	0.50	ppb v/v	TO-15
Freon 22		0.86	J	1.8	ug/m3	TO-15
Chloromethane		0.11	J	0.50	ppb v/v	TO-15
Chloromethane		0.24	J	1.0	ug/m3	TO-15
n-Butane		0.18	J	0.50	ppb v/v	TO-15
n-Butane		0.43	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.081	J	0.20	ppb v/v	TO-15
Freon TF		0.62	J	1.5	ug/m3	TO-15
Acetone		3.3	J	5.0	ppb v/v	TO-15
Acetone		7.8	J	12	ug/m3	TO-15
Isopropyl alcohol		0.35	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.87	J	12	ug/m3	TO-15
Carbon disulfide		0.21	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.65	J	1.6	ug/m3	TO-15
Methylene Chloride		0.13	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.44	J M	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.45	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.3	J	1.5	ug/m3	TO-15
Chloroform		0.088	J	0.20	ppb v/v	TO-15
Chloroform		0.43	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.15	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.43	J	15	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.52	J	1.3	ug/m3	TO-15
Trichloroethene		4.5		0.20	ppb v/v	TO-15
Trichloroethene		24		1.1	ug/m3	TO-15
Toluene		0.40		0.20	ppb v/v	TO-15
Toluene		1.5		0.75	ug/m3	TO-15
Tetrachloroethene		0.22		0.20	ppb v/v	TO-15
Tetrachloroethene		1.5		1.4	ug/m3	TO-15
Ethylbenzene		0.077	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.34	J	0.87	ug/m3	TO-15
m,p-Xylene		0.24	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.0	J	2.2	ug/m3	TO-15
Xylene, o-		0.089	J	0.20	ppb v/v	TO-15
Xylene, o-		0.39	J	0.87	ug/m3	TO-15
Xylene (total)		0.33		0.20	ppb v/v	TO-15
Xylene (total)		1.4		0.87	ug/m3	TO-15
Styrene		0.047	J	0.20	ppb v/v	TO-15
Styrene		0.20	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.078	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.38	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-11	786VMP0202AG					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.33	J	0.50	ppb v/v	TO-15
Freon 22		1.2	J	1.8	ug/m3	TO-15
Chloromethane		0.13	J	0.50	ppb v/v	TO-15
Chloromethane		0.27	J	1.0	ug/m3	TO-15
n-Butane		0.90		0.50	ppb v/v	TO-15
n-Butane		2.1		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.10	J	0.20	ppb v/v	TO-15
Freon TF		0.78	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		26		12	ug/m3	TO-15
Isopropyl alcohol		0.61	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.5	J	12	ug/m3	TO-15
Carbon disulfide		0.20	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.64	J	1.6	ug/m3	TO-15
Methylene Chloride		0.80		0.50	ppb v/v	TO-15
Methylene Chloride		2.8		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.37	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.1	J	15	ug/m3	TO-15
n-Hexane		0.22		0.20	ppb v/v	TO-15
n-Hexane		0.76		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.6		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.8		1.5	ug/m3	TO-15
Chloroform		6.3		0.20	ppb v/v	TO-15
Chloroform		31		0.98	ug/m3	TO-15
Tetrahydrofuran		0.23	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.67	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.39		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.1		1.1	ug/m3	TO-15
Cyclohexane		0.11	J	0.20	ppb v/v	TO-15
Cyclohexane		0.38	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.53	J	1.3	ug/m3	TO-15
Benzene		0.060	J	0.20	ppb v/v	TO-15
Benzene		0.19	J	0.64	ug/m3	TO-15
n-Heptane		0.092	J	0.20	ppb v/v	TO-15
n-Heptane		0.38	J	0.82	ug/m3	TO-15
Trichloroethene		21		0.20	ppb v/v	TO-15
Trichloroethene		110		1.1	ug/m3	TO-15
Bromodichloromethane		0.19	J	0.20	ppb v/v	TO-15
Bromodichloromethane		1.3	J	1.3	ug/m3	TO-15
methyl isobutyl ketone		0.18	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.74	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Toluene	1.2		0.20	ppb v/v	TO-15
Toluene	4.4		0.75	ug/m3	TO-15
Tetrachloroethene	0.12	J	0.20	ppb v/v	TO-15
Tetrachloroethene	0.82	J	1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)	0.21	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)	0.84	J	2.0	ug/m3	TO-15
Ethylbenzene	0.44		0.20	ppb v/v	TO-15
Ethylbenzene	1.9		0.87	ug/m3	TO-15
m,p-Xylene	1.7		0.50	ppb v/v	TO-15
m,p-Xylene	7.2		2.2	ug/m3	TO-15
Xylene, o-	0.38		0.20	ppb v/v	TO-15
Xylene, o-	1.6		0.87	ug/m3	TO-15
Xylene (total)	2.0		0.20	ppb v/v	TO-15
Xylene (total)	8.8		0.87	ug/m3	TO-15
Styrene	0.058	J	0.20	ppb v/v	TO-15
Styrene	0.25	J	0.85	ug/m3	TO-15
4-Ethyltoluene	0.072	J	0.20	ppb v/v	TO-15
4-Ethyltoluene	0.36	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.068	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.33	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.24		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	1.2		0.98	ug/m3	TO-15
Naphthalene	0.10	J Q	0.50	ppb v/v	TO-15
Naphthalene	0.53	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-12	786VMP0302AG					
Dichlorodifluoromethane		0.54	J	0.75	ppb v/v	TO-15
Dichlorodifluoromethane		2.7	J	3.7	ug/m3	TO-15
Freon 22		0.29	J	0.75	ppb v/v	TO-15
Freon 22		1.0	J	2.7	ug/m3	TO-15
Trichlorofluoromethane		0.25	J	0.30	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	1.7	ug/m3	TO-15
Freon TF		0.088	J M	0.30	ppb v/v	TO-15
Freon TF		0.67	J M	2.3	ug/m3	TO-15
Acetone		40		7.5	ppb v/v	TO-15
Acetone		94		18	ug/m3	TO-15
Isopropyl alcohol		1.1	J	7.5	ppb v/v	TO-15
Isopropyl alcohol		2.8	J	18	ug/m3	TO-15
Carbon disulfide		0.29	J	0.75	ppb v/v	TO-15
Carbon disulfide		0.91	J	2.3	ug/m3	TO-15
tert-Butyl alcohol		49		7.5	ppb v/v	TO-15
tert-Butyl alcohol		150		23	ug/m3	TO-15
Methyl Ethyl Ketone		12		0.75	ppb v/v	TO-15
Methyl Ethyl Ketone		35		2.2	ug/m3	TO-15
Chloroform		0.068	J	0.30	ppb v/v	TO-15
Chloroform		0.33	J	1.5	ug/m3	TO-15
Carbon tetrachloride		0.087	J M	0.30	ppb v/v	TO-15
Carbon tetrachloride		0.55	J M	1.9	ug/m3	TO-15
Benzene		0.32		0.30	ppb v/v	TO-15
Benzene		1.0		0.96	ug/m3	TO-15
n-Heptane		0.20	J	0.30	ppb v/v	TO-15
n-Heptane		0.83	J	1.2	ug/m3	TO-15
Trichloroethene		6.8		0.30	ppb v/v	TO-15
Trichloroethene		36		1.6	ug/m3	TO-15
methyl isobutyl ketone		0.33	J	0.75	ppb v/v	TO-15
methyl isobutyl ketone		1.3	J	3.1	ug/m3	TO-15
Toluene		0.71		0.30	ppb v/v	TO-15
Toluene		2.7		1.1	ug/m3	TO-15
Tetrachloroethene		0.67		0.30	ppb v/v	TO-15
Tetrachloroethene		4.6		2.0	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.9		0.75	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		7.6		3.1	ug/m3	TO-15
Ethylbenzene		0.078	J M	0.30	ppb v/v	TO-15
Ethylbenzene		0.34	J M	1.3	ug/m3	TO-15
m,p-Xylene		0.17	J	0.75	ppb v/v	TO-15
m,p-Xylene		0.75	J	3.3	ug/m3	TO-15
Xylene, o-		0.055	J	0.30	ppb v/v	TO-15
Xylene, o-		0.24	J	1.3	ug/m3	TO-15
Xylene (total)		0.23	J	0.30	ppb v/v	TO-15
Xylene (total)		0.99	J	1.3	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.084	J	0.75	ppb v/v	TO-15
1,2,4-Trichlorobenzene		0.62	J	5.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Naphthalene		0.17	J	0.75	ppb v/v	TO-15
Naphthalene		0.87	J	3.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-13	**774776CA01AG**					
Dichlorodifluoromethane		1.4		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		7.1		2.5	ug/m3	TO-15
Freon 22		27		0.50	ppb v/v	TO-15
Freon 22		94		1.8	ug/m3	TO-15
Chloromethane		0.34	J	0.50	ppb v/v	TO-15
Chloromethane		0.71	J	1.0	ug/m3	TO-15
n-Butane		0.73		0.50	ppb v/v	TO-15
n-Butane		1.7		1.2	ug/m3	TO-15
Trichlorofluoromethane		11		0.20	ppb v/v	TO-15
Trichlorofluoromethane		61		1.1	ug/m3	TO-15
Freon TF		0.11	J	0.20	ppb v/v	TO-15
Freon TF		0.82	J	1.5	ug/m3	TO-15
Acetone		9.5		5.0	ppb v/v	TO-15
Acetone		23		12	ug/m3	TO-15
Isopropyl alcohol		3.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		7.9	J	12	ug/m3	TO-15
Carbon disulfide		0.15	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.46	J	1.6	ug/m3	TO-15
Methylene Chloride		0.18	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.64	J	1.7	ug/m3	TO-15
n-Hexane		0.19	J	0.20	ppb v/v	TO-15
n-Hexane		0.66	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.84		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.5		1.5	ug/m3	TO-15
Chloroform		0.99		0.20	ppb v/v	TO-15
Chloroform		4.9		0.98	ug/m3	TO-15
Tetrahydrofuran		0.47	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.53		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		2.9		1.1	ug/m3	TO-15
Cyclohexane		0.10	J	0.20	ppb v/v	TO-15
Cyclohexane		0.36	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.086	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.54	J	1.3	ug/m3	TO-15
Benzene		0.092	J	0.20	ppb v/v	TO-15
Benzene		0.30	J	0.64	ug/m3	TO-15
n-Heptane		0.091	J	0.20	ppb v/v	TO-15
n-Heptane		0.37	J	0.82	ug/m3	TO-15
Trichloroethene		36		0.20	ppb v/v	TO-15
Trichloroethene		190		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.069	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.28	J	2.0	ug/m3	TO-15
Toluene		0.32		0.20	ppb v/v	TO-15
Toluene		1.2		0.75	ug/m3	TO-15
Tetrachloroethene		0.22		0.20	ppb v/v	TO-15
Tetrachloroethene		1.5		1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.087	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.38	J	0.87	ug/m3	TO-15
m,p-Xylene		0.23	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.99	J	2.2	ug/m3	TO-15
Xylene, o-		0.097	J	0.20	ppb v/v	TO-15
Xylene, o-		0.42	J	0.87	ug/m3	TO-15
Xylene (total)		0.33		0.20	ppb v/v	TO-15
Xylene (total)		1.4		0.87	ug/m3	TO-15
Styrene		0.034	J	0.20	ppb v/v	TO-15
Styrene		0.15	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.69	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.062	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.34	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.14	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.81	J	1.2	ug/m3	TO-15
Naphthalene		0.36	J Q	0.50	ppb v/v	TO-15
Naphthalene		1.9	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-14	785786CA01AG					
Dichlorodifluoromethane		0.46	J	0.75	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	3.7	ug/m3	TO-15
Chloromethane		0.22	J	0.75	ppb v/v	TO-15
Chloromethane		0.45	J	1.5	ug/m3	TO-15
n-Butane		5.4		0.75	ppb v/v	TO-15
n-Butane		13		1.8	ug/m3	TO-15
Trichlorofluoromethane		0.26	J	0.30	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	1.7	ug/m3	TO-15
Freon TF		0.081	J	0.30	ppb v/v	TO-15
Freon TF		0.62	J	2.3	ug/m3	TO-15
Acetone		24		7.5	ppb v/v	TO-15
Acetone		56		18	ug/m3	TO-15
Isopropyl alcohol		3.9	J	7.5	ppb v/v	TO-15
Isopropyl alcohol		9.6	J	18	ug/m3	TO-15
Carbon disulfide		0.23	J	0.75	ppb v/v	TO-15
Carbon disulfide		0.70	J	2.3	ug/m3	TO-15
Methylene Chloride		0.58	J	0.75	ppb v/v	TO-15
Methylene Chloride		2.0	J	2.6	ug/m3	TO-15
tert-Butyl alcohol		0.34	J	7.5	ppb v/v	TO-15
tert-Butyl alcohol		1.0	J	23	ug/m3	TO-15
n-Hexane		1.5		0.30	ppb v/v	TO-15
n-Hexane		5.4		1.1	ug/m3	TO-15
Methyl Ethyl Ketone		1.8		0.75	ppb v/v	TO-15
Methyl Ethyl Ketone		5.3		2.2	ug/m3	TO-15
cis-1,2-Dichloroethene		0.42		0.30	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.6		1.2	ug/m3	TO-15
1,2-Dichloroethene, Total		0.42		0.30	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.6		1.2	ug/m3	TO-15
Chloroform		0.57		0.30	ppb v/v	TO-15
Chloroform		2.8		1.5	ug/m3	TO-15
Tetrahydrofuran		0.89	J	7.5	ppb v/v	TO-15
Tetrahydrofuran		2.6	J	22	ug/m3	TO-15
Cyclohexane		1.3		0.30	ppb v/v	TO-15
Cyclohexane		4.4		1.0	ug/m3	TO-15
Carbon tetrachloride		0.069	J	0.30	ppb v/v	TO-15
Carbon tetrachloride		0.44	J	1.9	ug/m3	TO-15
2,2,4-Trimethylpentane		2.0		0.30	ppb v/v	TO-15
2,2,4-Trimethylpentane		9.5		1.4	ug/m3	TO-15
Benzene		0.16	J	0.30	ppb v/v	TO-15
Benzene		0.51	J	0.96	ug/m3	TO-15
n-Heptane		0.61		0.30	ppb v/v	TO-15
n-Heptane		2.5		1.2	ug/m3	TO-15
Trichloroethene		46		0.30	ppb v/v	TO-15
Trichloroethene		250		1.6	ug/m3	TO-15
Toluene		2.5		0.30	ppb v/v	TO-15
Toluene		9.5		1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Tetrachloroethene	3.2		0.30	ppb v/v	TO-15
Tetrachloroethene	22		2.0	ug/m3	TO-15
Ethylbenzene	0.25	J	0.30	ppb v/v	TO-15
Ethylbenzene	1.1	J	1.3	ug/m3	TO-15
m,p-Xylene	0.76		0.75	ppb v/v	TO-15
m,p-Xylene	3.3		3.3	ug/m3	TO-15
Xylene, o-	0.29	J	0.30	ppb v/v	TO-15
Xylene, o-	1.3	J	1.3	ug/m3	TO-15
Xylene (total)	1.1		0.30	ppb v/v	TO-15
Xylene (total)	4.6		1.3	ug/m3	TO-15
Styrene	0.11	J	0.30	ppb v/v	TO-15
Styrene	0.48	J	1.3	ug/m3	TO-15
4-Ethyltoluene	0.074	J	0.30	ppb v/v	TO-15
4-Ethyltoluene	0.36	J	1.5	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.13	J	0.30	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.65	J	1.5	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.29	J	0.30	ppb v/v	TO-15
1,2,4-Trimethylbenzene	1.4	J	1.5	ug/m3	TO-15
1,3-Dichlorobenzene	0.082	J	0.30	ppb v/v	TO-15
1,3-Dichlorobenzene	0.49	J	1.8	ug/m3	TO-15
Naphthalene	0.44	J Q	0.75	ppb v/v	TO-15
Naphthalene	2.3	J Q	3.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-15	**785IA08**					
Dichlorodifluoromethane		0.46	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		1.1		0.50	ppb v/v	TO-15
n-Butane		2.5		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.076	J	0.20	ppb v/v	TO-15
Freon TF		0.58	J	1.5	ug/m3	TO-15
Acetone		6.9		5.0	ppb v/v	TO-15
Acetone		16		12	ug/m3	TO-15
Isopropyl alcohol		0.34	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.84	J	12	ug/m3	TO-15
Methylene Chloride		0.15	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.51	J	1.7	ug/m3	TO-15
n-Hexane		0.21		0.20	ppb v/v	TO-15
n-Hexane		0.75		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.78		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.3		1.5	ug/m3	TO-15
Cyclohexane		0.044	J	0.20	ppb v/v	TO-15
Cyclohexane		0.15	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.070	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.44	J	1.3	ug/m3	TO-15
Benzene		0.11	J	0.20	ppb v/v	TO-15
Benzene		0.36	J	0.64	ug/m3	TO-15
n-Heptane		0.17	J	0.20	ppb v/v	TO-15
n-Heptane		0.70	J	0.82	ug/m3	TO-15
methyl isobutyl ketone		0.093	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.38	J	2.0	ug/m3	TO-15
Toluene		0.34		0.20	ppb v/v	TO-15
Toluene		1.3		0.75	ug/m3	TO-15
Ethylbenzene		0.050	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.22	J	0.87	ug/m3	TO-15
m,p-Xylene		0.15	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.65	J	2.2	ug/m3	TO-15
Xylene, o-		0.051	J	0.20	ppb v/v	TO-15
Xylene, o-		0.22	J	0.87	ug/m3	TO-15
Xylene (total)		0.20		0.20	ppb v/v	TO-15
Xylene (total)		0.88		0.87	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.075	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.37	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-16	**786IA07**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		0.36	J	0.50	ppb v/v	TO-15
Freon 22		1.3	J	1.8	ug/m3	TO-15
Chloromethane		0.62		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		3.3		0.50	ppb v/v	TO-15
n-Butane		7.8		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.080	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		19		5.0	ppb v/v	TO-15
Acetone		46		12	ug/m3	TO-15
Isopropyl alcohol		1.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		3.0	J	12	ug/m3	TO-15
Carbon disulfide		0.56		0.50	ppb v/v	TO-15
Carbon disulfide		1.8		1.6	ug/m3	TO-15
Methylene Chloride		0.30	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.0	J	1.7	ug/m3	TO-15
n-Hexane		0.42		0.20	ppb v/v	TO-15
n-Hexane		1.5		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.5		1.5	ug/m3	TO-15
Chloroform		0.038	J	0.20	ppb v/v	TO-15
Chloroform		0.19	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.51	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		1.5	J	15	ug/m3	TO-15
Cyclohexane		0.10	J	0.20	ppb v/v	TO-15
Cyclohexane		0.35	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.069	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.43	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.17	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.80	J	0.93	ug/m3	TO-15
Benzene		0.15	J	0.20	ppb v/v	TO-15
Benzene		0.47	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.11	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.44	J	0.81	ug/m3	TO-15
n-Heptane		0.22		0.20	ppb v/v	TO-15
n-Heptane		0.92		0.82	ug/m3	TO-15
methyl isobutyl ketone		0.17	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.71	J	2.0	ug/m3	TO-15
Toluene		1.9		0.20	ppb v/v	TO-15
Toluene		7.3		0.75	ug/m3	TO-15
Tetrachloroethene		0.050	J M	0.20	ppb v/v	TO-15
Tetrachloroethene		0.34	J M	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID Analyte	Result	Qualifier	Reporting Limit	Units	Method
Methyl Butyl Ketone (2-Hexanone)	0.097	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)	0.40	J	2.0	ug/m3	TO-15
Ethylbenzene	0.29		0.20	ppb v/v	TO-15
Ethylbenzene	1.3		0.87	ug/m3	TO-15
m,p-Xylene	0.89		0.50	ppb v/v	TO-15
m,p-Xylene	3.9		2.2	ug/m3	TO-15
Xylene, o-	0.24		0.20	ppb v/v	TO-15
Xylene, o-	1.0		0.87	ug/m3	TO-15
Xylene (total)	1.1		0.20	ppb v/v	TO-15
Xylene (total)	4.9		0.87	ug/m3	TO-15
Styrene	0.15	J	0.20	ppb v/v	TO-15
Styrene	0.62	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.12	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	0.59	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-17	785786OA04					
Dichlorodifluoromethane		0.64	J	1.0	ppb v/v	TO-15
Dichlorodifluoromethane		3.2	J	4.9	ug/m3	TO-15
Chloromethane		0.60	J	1.0	ppb v/v	TO-15
Chloromethane		1.2	J	2.1	ug/m3	TO-15
n-Butane		13		1.0	ppb v/v	TO-15
n-Butane		30		2.4	ug/m3	TO-15
Trichlorofluoromethane		0.25	J	0.40	ppb v/v	TO-15
Trichlorofluoromethane		1.4	J	2.2	ug/m3	TO-15
Freon TF		0.092	J	0.40	ppb v/v	TO-15
Freon TF		0.70	J	3.1	ug/m3	TO-15
Acetone		64		10	ppb v/v	TO-15
Acetone		150		24	ug/m3	TO-15
Isopropyl alcohol		4.6	J	10	ppb v/v	TO-15
Isopropyl alcohol		11	J	25	ug/m3	TO-15
Carbon disulfide		0.25	J	1.0	ppb v/v	TO-15
Carbon disulfide		0.78	J	3.1	ug/m3	TO-15
Methylene Chloride		0.68	J	1.0	ppb v/v	TO-15
Methylene Chloride		2.4	J	3.5	ug/m3	TO-15
tert-Butyl alcohol		0.60	J	10	ppb v/v	TO-15
tert-Butyl alcohol		1.8	J	30	ug/m3	TO-15
n-Hexane		1.3		0.40	ppb v/v	TO-15
n-Hexane		4.4		1.4	ug/m3	TO-15
Methyl Ethyl Ketone		2.9		1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		8.6		2.9	ug/m3	TO-15
Tetrahydrofuran		2.0	J	10	ppb v/v	TO-15
Tetrahydrofuran		5.9	J	29	ug/m3	TO-15
Cyclohexane		0.44		0.40	ppb v/v	TO-15
Cyclohexane		1.5		1.4	ug/m3	TO-15
2,2,4-Trimethylpentane		0.12	J	0.40	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.56	J	1.9	ug/m3	TO-15
Benzene		0.25	J	0.40	ppb v/v	TO-15
Benzene		0.80	J	1.3	ug/m3	TO-15
1,2-Dichloroethane		0.64		0.40	ppb v/v	TO-15
1,2-Dichloroethane		2.6		1.6	ug/m3	TO-15
n-Heptane		0.66		0.40	ppb v/v	TO-15
n-Heptane		2.7		1.6	ug/m3	TO-15
Toluene		4.4		0.40	ppb v/v	TO-15
Toluene		17		1.5	ug/m3	TO-15
Tetrachloroethene		0.25	J	0.40	ppb v/v	TO-15
Tetrachloroethene		1.7	J	2.7	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.28	J	1.0	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.1	J	4.1	ug/m3	TO-15
Ethylbenzene		0.31	J	0.40	ppb v/v	TO-15
Ethylbenzene		1.4	J	1.7	ug/m3	TO-15
m,p-Xylene		0.88	J	1.0	ppb v/v	TO-15
m,p-Xylene		3.8	J	4.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.31	J	0.40	ppb v/v	TO-15
Xylene, o-		1.3	J	1.7	ug/m3	TO-15
Xylene (total)		1.2		0.40	ppb v/v	TO-15
Xylene (total)		5.1		1.7	ug/m3	TO-15
Styrene		0.17	J	0.40	ppb v/v	TO-15
Styrene		0.74	J	1.7	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.15	J	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.73	J	2.0	ug/m3	TO-15
Naphthalene		0.21	J	1.0	ppb v/v	TO-15
Naphthalene		1.1	J	5.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-18	785VMP0202AH					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Chloromethane		18		0.50	ppb v/v	TO-15
Chloromethane		37		1.0	ug/m3	TO-15
n-Butane		2.6		0.50	ppb v/v	TO-15
n-Butane		6.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.077	J	0.20	ppb v/v	TO-15
Freon TF		0.59	J	1.5	ug/m3	TO-15
Acetone		4.9	J	5.0	ppb v/v	TO-15
Acetone		12	J	12	ug/m3	TO-15
Isopropyl alcohol		5.1		5.0	ppb v/v	TO-15
Isopropyl alcohol		13		12	ug/m3	TO-15
Carbon disulfide		0.28	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.86	J	1.6	ug/m3	TO-15
Methylene Chloride		0.70		0.50	ppb v/v	TO-15
Methylene Chloride		2.4		1.7	ug/m3	TO-15
tert-Butyl alcohol		0.59	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.8	J	15	ug/m3	TO-15
n-Hexane		0.38		0.20	ppb v/v	TO-15
n-Hexane		1.3		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.3		1.5	ug/m3	TO-15
Tetrahydrofuran		30		5.0	ppb v/v	TO-15
Tetrahydrofuran		87		15	ug/m3	TO-15
Carbon tetrachloride		0.074	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.46	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.32		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.5		0.93	ug/m3	TO-15
n-Heptane		0.93		0.20	ppb v/v	TO-15
n-Heptane		3.8		0.82	ug/m3	TO-15
Trichloroethene		1.7		0.20	ppb v/v	TO-15
Trichloroethene		9.1		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.26	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.0	J	2.0	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		3.8		0.75	ug/m3	TO-15
Tetrachloroethene		0.11	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.73	J	1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.11	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.47	J	2.0	ug/m3	TO-15
Ethylbenzene		0.28		0.20	ppb v/v	TO-15
Ethylbenzene		1.2		0.87	ug/m3	TO-15
m,p-Xylene		1.0		0.50	ppb v/v	TO-15
m,p-Xylene		4.5		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.36		0.20	ppb v/v	TO-15
Xylene, o-		1.6		0.87	ug/m3	TO-15
Xylene (total)		1.4		0.20	ppb v/v	TO-15
Xylene (total)		6.0		0.87	ug/m3	TO-15
Styrene		0.11	J	0.20	ppb v/v	TO-15
Styrene		0.46	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.14	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.68	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.25		0.20	ppb v/v	TO-15
4-Ethyltoluene		1.2		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.21		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.0		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.74		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		3.7		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.060	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.33	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.50		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		3.0		1.2	ug/m3	TO-15
Naphthalene		0.42	J Q	0.50	ppb v/v	TO-15
Naphthalene		2.2	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-19	785VMP0401AG					
Dichlorodifluoromethane		0.54		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Chloromethane		0.14	J	0.50	ppb v/v	TO-15
Chloromethane		0.30	J	1.0	ug/m3	TO-15
n-Butane		1.6		0.50	ppb v/v	TO-15
n-Butane		3.8		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.090	J	0.20	ppb v/v	TO-15
Freon TF		0.69	J	1.5	ug/m3	TO-15
Acetone		19		5.0	ppb v/v	TO-15
Acetone		44		12	ug/m3	TO-15
Isopropyl alcohol		6.1		5.0	ppb v/v	TO-15
Isopropyl alcohol		15		12	ug/m3	TO-15
Carbon disulfide		3.8		0.50	ppb v/v	TO-15
Carbon disulfide		12		1.6	ug/m3	TO-15
Methylene Chloride		0.24	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.82	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.58	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.8	J	15	ug/m3	TO-15
n-Hexane		0.40		0.20	ppb v/v	TO-15
n-Hexane		1.4		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		3.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		10		1.5	ug/m3	TO-15
Chloroform		0.096	J	0.20	ppb v/v	TO-15
Chloroform		0.47	J	0.98	ug/m3	TO-15
Tetrahydrofuran		1.2	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		3.4	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.073	J M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.40	J M	1.1	ug/m3	TO-15
Cyclohexane		0.60		0.20	ppb v/v	TO-15
Cyclohexane		2.1		0.69	ug/m3	TO-15
Carbon tetrachloride		0.075	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.47	J	1.3	ug/m3	TO-15
Benzene		0.18	J	0.20	ppb v/v	TO-15
Benzene		0.57	J	0.64	ug/m3	TO-15
n-Heptane		0.26		0.20	ppb v/v	TO-15
n-Heptane		1.1		0.82	ug/m3	TO-15
Trichloroethene		7.2		0.20	ppb v/v	TO-15
Trichloroethene		39		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.31	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.3	J	2.0	ug/m3	TO-15
Toluene		1.6		0.20	ppb v/v	TO-15
Toluene		5.9		0.75	ug/m3	TO-15
Tetrachloroethene		0.17	J	0.20	ppb v/v	TO-15
Tetrachloroethene		1.2	J	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Methyl Butyl Ketone (2-Hexanone)	0.23	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)	0.94	J	2.0	ug/m3	TO-15
Ethylbenzene	0.91		0.20	ppb v/v	TO-15
Ethylbenzene	3.9		0.87	ug/m3	TO-15
m,p-Xylene	0.79		0.50	ppb v/v	TO-15
m,p-Xylene	3.4		2.2	ug/m3	TO-15
Xylene, o-	0.40		0.20	ppb v/v	TO-15
Xylene, o-	1.7		0.87	ug/m3	TO-15
Xylene (total)	1.2		0.20	ppb v/v	TO-15
Xylene (total)	5.2		0.87	ug/m3	TO-15
Styrene	0.070	J	0.20	ppb v/v	TO-15
Styrene	0.30	J	0.85	ug/m3	TO-15
n-Propylbenzene	0.30		0.20	ppb v/v	TO-15
n-Propylbenzene	1.5		0.98	ug/m3	TO-15
4-Ethyltoluene	0.74		0.20	ppb v/v	TO-15
4-Ethyltoluene	3.6		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.80		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	3.9		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	3.0		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	15		0.98	ug/m3	TO-15
4-Isopropyltoluene	0.29		0.20	ppb v/v	TO-15
4-Isopropyltoluene	1.6		1.1	ug/m3	TO-15
Naphthalene	0.13	J Q	0.50	ppb v/v	TO-15
Naphthalene	0.68	J Q	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-32071-20	785VMP0501AD					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Chloromethane		0.47	J	0.50	ppb v/v	TO-15
Chloromethane		0.97	J	1.0	ug/m3	TO-15
n-Butane		1.8		0.50	ppb v/v	TO-15
n-Butane		4.4		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.27		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.5		1.1	ug/m3	TO-15
Freon TF		0.076	J	0.20	ppb v/v	TO-15
Freon TF		0.58	J	1.5	ug/m3	TO-15
Acetone		8.5		5.0	ppb v/v	TO-15
Acetone		20		12	ug/m3	TO-15
Isopropyl alcohol		0.86	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		2.1	J	12	ug/m3	TO-15
Carbon disulfide		0.87		0.50	ppb v/v	TO-15
Carbon disulfide		2.7		1.6	ug/m3	TO-15
Methylene Chloride		0.17	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.59	J M	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.32	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.96	J	15	ug/m3	TO-15
n-Hexane		0.36		0.20	ppb v/v	TO-15
n-Hexane		1.3		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.3		1.5	ug/m3	TO-15
Tetrahydrofuran		0.14	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.41	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.14	J M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.74	J M	1.1	ug/m3	TO-15
Cyclohexane		0.22		0.20	ppb v/v	TO-15
Cyclohexane		0.76		0.69	ug/m3	TO-15
Carbon tetrachloride		0.072	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.20		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.92		0.93	ug/m3	TO-15
Benzene		0.16	J M	0.20	ppb v/v	TO-15
Benzene		0.50	J M	0.64	ug/m3	TO-15
n-Heptane		0.33		0.20	ppb v/v	TO-15
n-Heptane		1.4		0.82	ug/m3	TO-15
Trichloroethene		3.7		0.20	ppb v/v	TO-15
Trichloroethene		20		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.12	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.49	J	2.0	ug/m3	TO-15
Toluene		0.98		0.20	ppb v/v	TO-15
Toluene		3.7		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.21	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.86	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-32071-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		0.86		0.20	ppb v/v	TO-15
Ethylbenzene		3.8		0.87	ug/m3	TO-15
m,p-Xylene		3.1		0.50	ppb v/v	TO-15
m,p-Xylene		14		2.2	ug/m3	TO-15
Xylene, o-		1.1		0.20	ppb v/v	TO-15
Xylene, o-		4.7		0.87	ug/m3	TO-15
Xylene (total)		4.2		0.20	ppb v/v	TO-15
Xylene (total)		18		0.87	ug/m3	TO-15
Styrene		0.15	J	0.20	ppb v/v	TO-15
Styrene		0.64	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.69	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.12	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.64	J	1.1	ug/m3	TO-15
Naphthalene		0.088	J Q	0.50	ppb v/v	TO-15
Naphthalene		0.46	J Q	2.6	ug/m3	TO-15
280-32071-21TB	**TRIP BLANK**					
Chloromethane		0.13	J	0.50	ppb v/v	TO-15
Chloromethane		0.26	J	1.0	ug/m3	TO-15
n-Butane		0.23	J	0.50	ppb v/v	TO-15
n-Butane		0.54	J	1.2	ug/m3	TO-15
Acetone		2.7	J	5.0	ppb v/v	TO-15
Acetone		6.5	J	12	ug/m3	TO-15
Isopropyl alcohol		1.2	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		3.0	J	12	ug/m3	TO-15
Carbon disulfide		0.067	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.21	J	1.6	ug/m3	TO-15
Methyl Ethyl Ketone		0.83		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.4		1.5	ug/m3	TO-15
Tetrahydrofuran		0.21	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.61	J	15	ug/m3	TO-15
Toluene		0.098	J	0.20	ppb v/v	TO-15
Toluene		0.37	J	0.75	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-32071-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-32071-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.020	0.50
Freon 22	23		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.54		0.034	0.50
n-Butane	0.61		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.41		0.021	0.20
Freon TF	0.082	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	13		0.40	5.0
Isopropyl alcohol	8.8		0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.21	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.33		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.1		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.077	J	0.024	0.20
Tetrahydrofuran	0.74	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.67		0.019	0.20
Carbon tetrachloride	0.079	J	0.013	0.20
2,2,4-Trimethylpentane	0.47		0.015	0.20
Benzene	0.14	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.17	J	0.017	0.20
Trichloroethene	0.19	J	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.28	J	0.034	0.50
Toluene	1.1		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.10	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.22		0.015	0.20
m,p-Xylene	0.72		0.022	0.50
Xylene, o-	0.28		0.016	0.20
Xylene (total)	1.0		0.016	0.20
Styrene	0.11	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.073	J	0.013	0.20
4-Ethyltoluene	0.11	J	0.015	0.20
1,3,5-Trimethylbenzene	0.095	J	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.37		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.051	J	0.020	0.20
1,3-Dichlorobenzene	0.067	J	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.11	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8		0.099	2.5
Freon 22	83		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.1		0.070	1.0
n-Butane	1.4		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	2.3		0.12	1.1
Freon TF	0.63	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	30	B	0.95	12
Isopropyl alcohol	22		0.19	12
Carbon disulfide	0.25	U	0.062	1.6

CWK 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.72	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.2		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.2	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.38	J M	0.12	0.98
Tetrahydrofuran	2.2	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.3		0.065	0.69
Carbon tetrachloride	0.50	J	0.082	1.3
2,2,4-Trimethylpentane	2.2		0.070	0.93
Benzene	0.44	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.68	J	0.070	0.82
Trichloroethene	1.0	J	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.1	J	0.14	2.0
Toluene	4.2		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.43	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.95		0.065	0.87
m,p-Xylene	3.1		0.096	2.2
Xylene, o-	1.2		0.069	0.87
Xylene (total)	4.4		0.069	0.87
Styrene	0.48	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.36	J	0.064	0.98
4-Ethyltoluene	0.56	J	0.074	0.98
1,3,5-Trimethylbenzene	0.47	J	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

ckt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0101AG**

Lab Sample ID: 280-32071-1
Client Matrix: Air

Date Sampled: 08/06/2012 1345
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1704			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1704			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	1.8		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.28	J	0.11	1.1
1,3-Dichlorobenzene	0.40	J	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.60	J Ø	0.20	2.6

CMT 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	38		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.37	J	0.034	0.50
n-Butane	0.49	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.67		0.021	0.20
Freon TF	0.080	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	18		0.40	5.0
Isopropyl alcohol	12		0.076	5.0
Carbon disulfide	0.37	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.17	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.22		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.1		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.14	J	0.024	0.20
Tetrahydrofuran	0.49	J	0.029	5.0
1,1,1-Trichloroethane	0.47		0.020	0.20
Cyclohexane	0.52		0.019	0.20
Carbon tetrachloride	0.093	J M	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.16	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.21		0.017	0.20
Trichloroethene	3.8		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.33	J	0.034	0.50
Toluene	1.0		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.22		0.015	0.20
m,p-Xylene	0.71		0.022	0.50
Xylene, o-	0.26		0.016	0.20
Xylene (total)	0.97		0.016	0.20
Styrene	0.10	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.063	J	0.013	0.20
4-Ethyltoluene	0.11	J	0.015	0.20
1,3,5-Trimethylbenzene	0.088	J	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.35		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.062	J	0.020	0.20
1,3-Dichlorobenzene	0.062	J	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.37	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	130		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.77	J	0.070	1.0
n-Butane	1.2	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	3.8		0.12	1.1
Freon TF	0.61	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	43		0.95	12
Isopropyl alcohol	30		0.19	12
Carbon disulfide	1.2	J	0.062	1.6

10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.59	J M	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.77		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.4	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.69	J	0.12	0.98
Tetrahydrofuran	1.4	J	0.086	15
1,1,1-Trichloroethane	2.6		0.11	1.1
Cyclohexane	1.8		0.065	0.69
Carbon tetrachloride	0.59	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.53	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.88		0.070	0.82
Trichloroethene	20		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.3	J	0.14	2.0
Toluene	3.9		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.94		0.065	0.87
m,p-Xylene	3.1		0.096	2.2
Xylene, o-	1.1		0.069	0.87
Xylene (total)	4.2		0.069	0.87
Styrene	0.44	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.31	J	0.064	0.98
4-Ethyltoluene	0.52	J	0.074	0.98
1,3,5-Trimethylbenzene	0.43	J	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

CVK 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0201AG**

Lab Sample ID: 280-32071-2
Client Matrix: Air

Date Sampled: 08/06/2012 1400
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1758			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	1.7		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	0.37	J	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.9	J	0.20	2.6

10/29/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	7.4		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.21	J	0.034	0.50
n-Butane	1.1		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	2.7		0.021	0.20
Freon TF	0.066	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	11		0.40	5.0
Isopropyl alcohol	1.7	J	0.076	5.0
Carbon disulfide	0.10	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.61		0.023	0.50
tert-Butyl alcohol	0.42	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.44		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.3		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.045	J	0.024	0.20
Tetrahydrofuran	0.45	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.24		0.019	0.20
Carbon tetrachloride	0.040	U	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.12	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.18	J	0.017	0.20
Trichloroethene	0.19	J	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.091	J	0.034	0.50
Toluene	1.0		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.10	J	0.015	0.20
m,p-Xylene	0.28	J	0.022	0.50
Xylene, o-	0.088	J	0.016	0.20
Xylene (total)	0.37		0.016	0.20
Styrene	0.073	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.071	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.049	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.13	J ∅	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	26		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.43	J	0.070	1.0
n-Butane	2.7		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	15		0.12	1.1
Freon TF	0.51	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	25	B	0.95	12
Isopropyl alcohol	4.2	J	0.19	12
Carbon disulfide	0.32	J	0.062	1.6

ckt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	2.1		0.080	1.7
tert-Butyl alcohol	1.3	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.6		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.8	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.22	J	0.12	0.98
Tetrahydrofuran	1.3	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.83		0.065	0.69
Carbon tetrachloride	0.25	U	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.38	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.72	J	0.070	0.82
Trichloroethene	1.0	J	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.37	J	0.14	2.0
Toluene	4.0		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.81	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.45	J	0.065	0.87
m,p-Xylene	1.2	J	0.096	2.2
Xylene, o-	0.38	J	0.069	0.87
Xylene (total)	1.6		0.069	0.87
Styrene	0.31	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

eat 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774VMP0301AG**

Lab Sample ID: 280-32071-3
Client Matrix: Air

Date Sampled: 08/06/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1851			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.35	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.27	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.68	J	0.20	2.6

CLH 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	3.8		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.61		0.034	0.50
n-Butane	1.2		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.084	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	24		0.40	5.0
Isopropyl alcohol	19		0.076	5.0
Carbon disulfide	3.1		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.15	J	0.023	0.50
tert-Butyl alcohol	0.65	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	4.3		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.24	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.84		0.019	0.20
Carbon tetrachloride	0.13	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.13	J	0.018	0.20
1,2-Dichloroethane	0.080	J	0.018	0.20
n-Heptane	0.092	J	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.75		0.034	0.50
Toluene	0.40		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.33	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.21		0.015	0.20
m,p-Xylene	0.43	J	0.022	0.50
Xylene, o-	0.15	J	0.016	0.20
Xylene (total)	0.58		0.016	0.20
Styrene	0.24		0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.093	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.060	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.61	~~U~~ J	0.038	0.50

cmt 10/30/12

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	13		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.3		0.070	1.0
n-Butane	2.8		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.65	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	57		0.95	12
Isopropyl alcohol	46		0.19	12
Carbon disulfide	9.5		0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: 776VMP0101AG

Lab Sample ID: 280-32071-4

Client Matrix: Air

Date Sampled: 08/06/2012 1020

Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.52	J	0.080	1.7
tert-Butyl alcohol	2.0	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	13		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.72	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.9		0.065	0.69
Carbon tetrachloride	0.83	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.43	J	0.058	0.64
1,2-Dichloroethane	0.32	J	0.073	0.81
n-Heptane	0.38	J	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	3.1		0.14	2.0
Toluene	1.5		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	1.4	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.92		0.065	0.87
m,p-Xylene	1.8	J	0.096	2.2
Xylene, o-	0.65	J	0.069	0.87
Xylene (total)	2.5		0.069	0.87
Styrene	1.0		0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

CMA 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0101AG**

Lab Sample ID: 280-32071-4
Client Matrix: Air

Date Sampled: 08/06/2012 1020
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 1944			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 1944			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.46	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.33	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	3.2	~~U~~ J	0.20	2.6

CMt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	3.8		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.67		0.034	0.50
n-Butane	1.4		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.088	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	18		0.40	5.0
Isopropyl alcohol	16		0.076	5.0
Carbon disulfide	0.13	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.27	J	0.023	0.50
tert-Butyl alcohol	0.42	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.12	J	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.4		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.045	J	0.024	0.20
Tetrahydrofuran	0.39	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.61		0.019	0.20
Carbon tetrachloride	0.11	J	0.013	0.20
2,2,4-Trimethylpentane	0.12	J	0.015	0.20
Benzene	0.14	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.10	J	0.017	0.20
Trichloroethene	0.26		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.47	J	0.034	0.50
Toluene	0.46		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.25	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.25		0.015	0.20
m,p-Xylene	0.55		0.022	0.50
Xylene, o-	0.19	J	0.016	0.20
Xylene (total)	0.73		0.016	0.20
Styrene	0.41		0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.092	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.075	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.36	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	14		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.4		0.070	1.0
n-Butane	3.3		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.67	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	43		0.95	12
Isopropyl alcohol	40		0.19	12
Carbon disulfide	0.41	J	0.062	1.6

CWA 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.92	J	0.080	1.7
tert-Butyl alcohol	1.3	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.43	J	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.3	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.22	J	0.12	0.98
Tetrahydrofuran	1.1	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.1		0.065	0.69
Carbon tetrachloride	0.70	J M	0.082	1.3
2,2,4-Trimethylpentane	0.56	J	0.070	0.93
Benzene	0.43	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.43	J	0.070	0.82
Trichloroethene	1.4		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.9	J	0.14	2.0
Toluene	1.7		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	1.0	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.1		0.065	0.87
m,p-Xylene	2.4		0.096	2.2
Xylene, o-	0.82	J	0.069	0.87
Xylene (total)	3.2		0.069	0.87
Styrene	1.8		0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

CMS 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0201AG**

Lab Sample ID: 280-32071-5
Client Matrix: Air

Date Sampled: 08/06/2012 0950
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2038			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2038			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.45	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.41	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.9	J ϕ	0.20	2.6

Cnt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50		0.020	0.50
Freon 22	4.1		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.61		0.034	0.50
n-Butane	6.7		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.25		0.021	0.20
Freon TF	0.079	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	21		0.40	5.0
Isopropyl alcohol	11		0.076	5.0
Carbon disulfide	0.14	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.29	J	0.023	0.50
tert-Butyl alcohol	0.46	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.26		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	2.4		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.18	J	0.024	0.20
Tetrahydrofuran	0.84	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.82		0.019	0.20
Carbon tetrachloride	0.095	J M	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.099	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.11	J	0.017	0.20
Trichloroethene	2.2		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.76		0.034	0.50
Toluene	0.48		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.19	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.047	J	0.013	0.20
Ethylbenzene	0.17	J	0.015	0.20
m,p-Xylene	0.40	J	0.022	0.50
Xylene, o-	0.13	J	0.016	0.20
Xylene (total)	0.53		0.016	0.20
Styrene	0.19	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.11	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.073	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.31	J ϕ	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	15		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.3		0.070	1.0
n-Butane	16		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.61	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	50		0.95	12
Isopropyl alcohol	28		0.19	12
Carbon disulfide	0.44	J	0.062	1.6

CMT 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.99	J	0.080	1.7
tert-Butyl alcohol	1.4	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.91		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	7.0	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.87	J	0.12	0.98
Tetrahydrofuran	2.5	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	2.8		0.065	0.69
Carbon tetrachloride	0.60	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.32	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.45	J	0.070	0.82
Trichloroethene	12		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	3.1		0.14	2.0
Toluene	1.8		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.78	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.22	J	0.060	0.92
Ethylbenzene	0.72	J	0.065	0.87
m,p-Xylene	1.7	J	0.096	2.2
Xylene, o-	0.58	J	0.069	0.87
Xylene (total)	2.3		0.069	0.87
Styrene	0.79	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

CMT 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776VMP0301AG**

Lab Sample ID: 280-32071-6
Client Matrix: Air

Date Sampled: 08/06/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg012.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2132			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2132			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.52	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.40	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.6	J ϕ	0.20	2.6

CMK 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.020	0.50
Freon 22	11		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.56		0.034	0.50
n-Butane	0.14	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.88		0.021	0.20
Freon TF	0.074	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	13		0.40	5.0
Isopropyl alcohol	3.4	J	0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.13	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.75		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.058	J	0.024	0.20
Tetrahydrofuran	0.080	U	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.072	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	0.065	J	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.090	J	0.034	0.50
Toluene	0.13	J	0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.15	J M	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.040	U	0.015	0.20
m,p-Xylene	0.040	U	0.022	0.50
Xylene, o-	0.040	U	0.016	0.20
Xylene (total)	0.040	U	0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.080	U	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	40		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.2		0.070	1.0
n-Butane	0.32	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	5.0		0.12	1.1
Freon TF	0.56	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	32	B	0.95	12
Isopropyl alcohol	8.3	J	0.19	12
Carbon disulfide	0.25	U	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: 774IA1AH

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 **2225**			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 **2225**			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.45	J M	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.2	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.28	J	0.12	0.98
Tetrahydrofuran	0.24	U	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.45	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	0.35	J	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.37	J	0.14	2.0
Toluene	0.47	J	0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.62	J M	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.17	U	0.065	0.87
m,p-Xylene	0.17	U	0.096	2.2
Xylene, o-	0.17	U	0.069	0.87
Xylene (total)	0.17	U	0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774IA1AH**

Lab Sample ID: 280-32071-7
Client Matrix: Air

Date Sampled: 08/06/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2012 2225			Final Weight/Volume:	200 mL
Prep Date:	08/22/2012 2225			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.39	U	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

Cnt
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: 774776OA1HA

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.68	J	0.030	0.75
Freon 22	0.59	J	0.035	0.75
1,2-Dichlorotetrafluoroethane	0.12	U	0.030	0.30
Chloromethane	0.68	J	0.051	0.75
n-Butane	9.9		0.033	0.75
Vinyl chloride	0.042	U	0.014	0.30
1,3-Butadiene	0.12	U	0.038	0.30
Bromomethane	0.12	U	0.041	0.30
Chloroethane	0.12	U	0.050	0.75
Bromoethene(Vinyl Bromide)	0.060	U	0.029	0.30
Trichlorofluoromethane	0.25	J	0.032	0.30
Freon TF	0.080	J	0.030	0.30
1,1-Dichloroethene	0.30	U	0.13	0.30
Acetone	41		0.60	7.5
Isopropyl alcohol	5.8	J	0.11	7.5
Carbon disulfide	0.74	J	0.030	0.75
3-Chloropropene	0.12	U	0.071	0.75
Methylene Chloride	0.57	J	0.035	0.75
tert-Butyl alcohol	0.40	J	0.062	7.5
Methyl tert-butyl ether	0.060	U	0.023	0.30
trans-1,2-Dichloroethene	0.12	U	0.035	0.30
n-Hexane	2.3		0.030	0.30
1,1-Dichloroethane	0.12	U	0.035	0.30
Methyl Ethyl Ketone	2.3		0.038	0.75
cis-1,2-Dichloroethene	0.30	U	0.13	0.30
1,2-Dichloroethene, Total	0.12	U	0.035	0.30
Chloroform	0.12	U	0.036	0.30
Tetrahydrofuran	2.8	J	0.044	7.5
1,1,1-Trichloroethane	0.12	U	0.030	0.30
Cyclohexane	1.5		0.029	0.30
Carbon tetrachloride	0.079	J	0.020	0.30
2,2,4-Trimethylpentane	0.20	J	0.023	0.30
Benzene	0.29	J	0.027	0.30
1,2-Dichloroethane	0.12	J	0.027	0.30
n-Heptane	0.88		0.026	0.30
Trichloroethene	0.042	U	0.014	0.30
Methyl methacrylate	0.060	U	0.024	0.75
1,2-Dichloropropane	0.12	U	0.035	0.30
1,4-Dioxane	0.30	U	0.11	7.5
Bromodichloromethane	0.060	U	0.018	0.30
cis-1,3-Dichloropropene	0.060	U	0.020	0.30
methyl isobutyl ketone	0.12	U	0.051	0.75
Toluene	5.2		0.021	0.30
trans-1,3-Dichloropropene	0.060	U	0.023	0.30
1,1,2-Trichloroethane	0.060	U	0.024	0.30
Tetrachloroethene	0.060	U	0.023	0.30

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.14	J	0.060	0.75
Dibromochloromethane	0.060	U	0.017	0.30
1,2-Dibromoethane	0.060	U	0.021	0.30
Chlorobenzene	0.060	U	0.020	0.30
Ethylbenzene	0.48		0.023	0.30
m,p-Xylene	1.4		0.033	0.75
Xylene, o-	0.50		0.024	0.30
Xylene (total)	1.9		0.024	0.30
Styrene	0.28	J	0.017	0.30
Bromoform	0.042	U	0.011	0.30
Cumene	0.060	U	0.017	0.30
1,1,2,2-Tetrachloroethane	0.060	U	0.017	0.30
n-Propylbenzene	0.060	U	0.020	0.30
4-Ethyltoluene	0.11	J	0.023	0.30
1,3,5-Trimethylbenzene	0.10	J	0.029	0.30
2-Chlorotoluene	0.060	U	0.020	0.30
tert-Butylbenzene	0.060	U	0.017	0.30
1,2,4-Trimethylbenzene	0.36		0.032	0.30
sec-Butylbenzene	0.060	U	0.023	0.30
4-Isopropyltoluene	0.15	J	0.030	0.30
1,3-Dichlorobenzene	0.060	U	0.029	0.30
1,4-Dichlorobenzene	0.060	U	0.027	0.30
Benzyl chloride	0.12	U	0.033	0.30
n-Butylbenzene	0.12	U	0.033	0.30
1,2-Dichlorobenzene	0.12	U	0.039	0.30
1,2,4-Trichlorobenzene	0.12	U	0.045	0.75
Hexachlorobutadiene	0.12	U	0.044	0.30
Naphthalene	0.60	J #	0.057	0.75

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.4	J	0.15	3.7
Freon 22	2.1	J	0.12	2.7
1,2-Dichlorotetrafluoroethane	0.84	U	0.21	2.1
Chloromethane	1.4	J	0.11	1.5
n-Butane	24		0.078	1.8
Vinyl chloride	0.11	U	0.035	0.77
1,3-Butadiene	0.27	U	0.083	0.66
Bromomethane	0.47	U	0.16	1.2
Chloroethane	0.32	U	0.13	2.0
Bromoethene(Vinyl Bromide)	0.26	U	0.12	1.3
Trichlorofluoromethane	1.4	J	0.18	1.7
Freon TF	0.61	J	0.23	2.3
1,1-Dichloroethene	1.2	U	0.51	1.2
Acetone	97		1.4	18
Isopropyl alcohol	14	J	0.28	18
Carbon disulfide	2.3	J	0.093	2.3

dlt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.38	U	0.22	2.3
Methylene Chloride	2.0	J	0.12	2.6
tert-Butyl alcohol	1.2	J	0.19	23
Methyl tert-butyl ether	0.22	U	0.081	1.1
trans-1,2-Dichloroethene	0.48	U	0.14	1.2
n-Hexane	8.2		0.11	1.1
1,1-Dichloroethane	0.49	U	0.14	1.2
Methyl Ethyl Ketone	6.7	B	0.11	2.2
cis-1,2-Dichloroethene	1.2	U	0.50	1.2
1,2-Dichloroethene, Total	0.48	U	0.14	1.2
Chloroform	0.59	U	0.18	1.5
Tetrahydrofuran	8.2	J	0.13	22
1,1,1-Trichloroethane	0.65	U	0.16	1.6
Cyclohexane	5.1		0.098	1.0
Carbon tetrachloride	0.50	J	0.12	1.9
2,2,4-Trimethylpentane	0.94	J	0.11	1.4
Benzene	0.92	J	0.086	0.96
1,2-Dichloroethane	0.49	J	0.11	1.2
n-Heptane	3.6		0.10	1.2
Trichloroethene	0.23	U	0.074	1.6
Methyl methacrylate	0.25	U	0.098	3.1
1,2-Dichloropropane	0.55	U	0.16	1.4
1,4-Dioxane	1.1	U	0.38	27
Bromodichloromethane	0.40	U	0.12	2.0
cis-1,3-Dichloropropene	0.27	U	0.089	1.4
methyl isobutyl ketone	0.49	U	0.21	3.1
Toluene	20		0.079	1.1
trans-1,3-Dichloropropene	0.27	U	0.10	1.4
1,1,2-Trichloroethane	0.33	U	0.13	1.6
Tetrachloroethene	0.41	U	0.15	2.0
Methyl Butyl Ketone (2-Hexanone)	0.56	J	0.25	3.1
Dibromochloromethane	0.51	U	0.14	2.6
1,2-Dibromoethane	0.46	U	0.16	2.3
Chlorobenzene	0.28	U	0.090	1.4
Ethylbenzene	2.1		0.098	1.3
m,p-Xylene	6.2		0.14	3.3
Xylene, o-	2.2		0.10	1.3
Xylene (total)	8.3		0.10	1.3
Styrene	1.2	J	0.070	1.3
Bromoform	0.43	U	0.11	3.1
Cumene	0.29	U	0.081	1.5
1,1,2,2-Tetrachloroethane	0.41	U	0.11	2.1
n-Propylbenzene	0.29	U	0.096	1.5
4-Ethyltoluene	0.53	J	0.11	1.5
1,3,5-Trimethylbenzene	0.51	J	0.14	1.5
2-Chlorotoluene	0.31	U	0.10	1.6

clt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776OA1HA**

Lab Sample ID: 280-32071-8
Client Matrix: Air

Date Sampled: 08/06/2012 1130
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg027.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 1054			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.091	1.6
1,2,4-Trimethylbenzene	1.8		0.15	1.5
sec-Butylbenzene	0.33	U	0.12	1.6
4-Isopropyltoluene	0.80	J	0.16	1.6
1,3-Dichlorobenzene	0.36	U	0.17	1.8
1,4-Dichlorobenzene	0.36	U	0.16	1.8
Benzyl chloride	0.62	U	0.17	1.6
n-Butylbenzene	0.66	U	0.18	1.6
1,2-Dichlorobenzene	0.72	U	0.23	1.8
1,2,4-Trichlorobenzene	0.89	U	0.33	5.6
Hexachlorobutadiene	1.3	U	0.46	3.2
Naphthalene	3.1	J Q	0.30	3.9

dlw 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	3.9		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.72		0.034	0.50
n-Butane	3.7		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.075	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	29		0.40	5.0
Isopropyl alcohol	23		0.076	5.0
Carbon disulfide	0.21	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.49	J	0.023	0.50
tert-Butyl alcohol	1.8	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.56		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	2.2		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.051	J	0.024	0.20
Tetrahydrofuran	0.30	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.35		0.019	0.20
Carbon tetrachloride	0.072	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.13	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.36		0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.67		0.034	0.50
Toluene	1.4		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.29	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.26		0.015	0.20
m,p-Xylene	0.57		0.022	0.50
Xylene, o-	0.19	J	0.016	0.20
Xylene (total)	0.75		0.016	0.20
Styrene	0.44		0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.11	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.061	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.42	J ϕ	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	14		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.5		0.070	1.0
n-Butane	8.9		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.57	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	68		0.95	12
Isopropyl alcohol	57		0.19	12
Carbon disulfide	0.64	J	0.062	1.6

Cmt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: 776IA1GA

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	1.7	J	0.080	1.7
tert-Butyl alcohol	5.4	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	2.0		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	6.5	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.25	J	0.12	0.98
Tetrahydrofuran	0.90	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	1.2		0.065	0.69
Carbon tetrachloride	0.46	J M	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.40	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	1.5		0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	2.7		0.14	2.0
Toluene	5.3		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	1.2	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.1		0.065	0.87
m,p-Xylene	2.5		0.096	2.2
Xylene, o-	0.81	J	0.069	0.87
Xylene (total)	3.3		0.069	0.87
Styrene	1.9		0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Cut 10/30/12.

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **776IA1GA**

Lab Sample ID: 280-32071-9
Client Matrix: Air

Date Sampled: 08/06/2012 1025
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0012			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.55	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.33	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	2.2	J	0.20	2.6

Cut
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.020	0.50
Freon 22	0.24	J	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.11	J	0.034	0.50
n-Butane	0.18	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.081	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	3.3	J	0.40	5.0
Isopropyl alcohol	0.35	J	0.076	5.0
Carbon disulfide	0.21	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.13	J M	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.45	J	0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.088	J	0.024	0.20
Tetrahydrofuran	0.15	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.083	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	4.5		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.080	U	0.034	0.50
Toluene	0.40		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.22		0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.077	J	0.015	0.20
m,p-Xylene	0.24	J	0.022	0.50
Xylene, o-	0.089	J	0.016	0.20
Xylene (total)	0.33		0.016	0.20
Styrene	0.047	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.078	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U ϕ	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	0.86	J	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.24	J	0.070	1.0
n-Butane	0.43	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.62	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	7.8	J B	0.95	12
Isopropyl alcohol	0.87	J	0.19	12
Carbon disulfide	0.65	J	0.062	1.6

10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10
Client Matrix: Air

Date Sampled: 08/08/2012 1050
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.44	J N	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	1.3	J B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.43	J	0.12	0.98
Tetrahydrofuran	0.43	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.52	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	24		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.33	U	0.14	2.0
Toluene	1.5		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	1.5		0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.34	J	0.065	0.87
m,p-Xylene	1.0	J	0.096	2.2
Xylene, o-	0.39	J	0.069	0.87
Xylene (total)	1.4		0.069	0.87
Styrene	0.20	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

cwt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0102AG**

Lab Sample ID: 280-32071-10

Client Matrix: Air

Date Sampled: 08/08/2012 1050

Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0105			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0105			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.38	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

CMT
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	0.33	J	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.13	J	0.034	0.50
n-Butane	0.90		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.10	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	11		0.40	5.0
Isopropyl alcohol	0.61	J	0.076	5.0
Carbon disulfide	0.20	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.80		0.023	0.50
tert-Butyl alcohol	0.37	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.22		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.6		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	6.3		0.024	0.20
Tetrahydrofuran	0.23	J	0.029	5.0
1,1,1-Trichloroethane	0.39		0.020	0.20
Cyclohexane	0.11	J	0.019	0.20
Carbon tetrachloride	0.083	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.060	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.092	J	0.017	0.20
Trichloroethene	21		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.19	J	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.18	J	0.034	0.50
Toluene	1.2		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.12	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.21	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.44		0.015	0.20
m,p-Xylene	1.7		0.022	0.50
Xylene, o-	0.38		0.016	0.20
Xylene (total)	2.0		0.016	0.20
Styrene	0.058	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.072	J	0.015	0.20
1,3,5-Trimethylbenzene	0.068	J	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.24		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.10	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	1.2	J	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.27	J	0.070	1.0
n-Butane	2.1		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.78	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	26	B	0.95	12
Isopropyl alcohol	1.5	J	0.19	12
Carbon disulfide	0.64	J	0.062	1.6

10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	2.8		0.080	1.7
tert-Butyl alcohol	1.1	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.76		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.8	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	31		0.12	0.98
Tetrahydrofuran	0.67	J	0.086	15
1,1,1-Trichloroethane	2.1		0.11	1.1
Cyclohexane	0.38	J	0.065	0.69
Carbon tetrachloride	0.53	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.19	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.38	J	0.070	0.82
Trichloroethene	110		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	1.3	J	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.74	J	0.14	2.0
Toluene	4.4		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.82	J	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.84	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.9		0.065	0.87
m,p-Xylene	7.2		0.096	2.2
Xylene, o-	1.6		0.069	0.87
Xylene (total)	8.8		0.069	0.87
Styrene	0.25	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.36	J	0.074	0.98
1,3,5-Trimethylbenzene	0.33	J	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Cwt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0202AG**

Lab Sample ID: 280-32071-11
Client Matrix: Air

Date Sampled: 08/08/2012 1120
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0159			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0159			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	1.2		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.53	J q	0.20	2.6

CMT
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.54	J	0.030	0.75
Freon 22	0.29	J	0.035	0.75
1,2-Dichlorotetrafluoroethane	0.12	U	0.030	0.30
Chloromethane	0.12	U	0.051	0.75
n-Butane	0.12	U	0.033	0.75
Vinyl chloride	0.042	U	0.014	0.30
1,3-Butadiene	0.12	U	0.038	0.30
Bromomethane	0.12	U	0.041	0.30
Chloroethane	0.12	U	0.050	0.75
Bromoethene(Vinyl Bromide)	0.060	U	0.029	0.30
Trichlorofluoromethane	0.25	J	0.032	0.30
Freon TF	0.088	J	0.030	0.30
1,1-Dichloroethene	0.30	U	0.13	0.30
Acetone	40		0.60	7.5
Isopropyl alcohol	1.1	J	0.11	7.5
Carbon disulfide	0.29	J	0.030	0.75
3-Chloropropene	0.12	U	0.071	0.75
Methylene Chloride	0.12	U	0.035	0.75
tert-Butyl alcohol	49		0.062	7.5
Methyl tert-butyl ether	0.060	U	0.023	0.30
trans-1,2-Dichloroethene	0.12	U	0.035	0.30
n-Hexane	0.12	U	0.030	0.30
1,1-Dichloroethane	0.12	U	0.035	0.30
Methyl Ethyl Ketone	12		0.038	0.75
cis-1,2-Dichloroethene	0.30	U	0.13	0.30
1,2-Dichloroethene, Total	0.12	U	0.035	0.30
Chloroform	0.068	J	0.036	0.30
Tetrahydrofuran	0.12	U	0.044	7.5
1,1,1-Trichloroethane	0.12	U	0.030	0.30
Cyclohexane	0.060	U	0.029	0.30
Carbon tetrachloride	0.087	J	0.020	0.30
2,2,4-Trimethylpentane	0.060	U	0.023	0.30
Benzene	0.32		0.027	0.30
1,2-Dichloroethane	0.060	U	0.027	0.30
n-Heptane	0.20	J	0.026	0.30
Trichloroethene	6.8		0.014	0.30
Methyl methacrylate	0.060	U	0.024	0.75
1,2-Dichloropropane	0.12	U	0.035	0.30
1,4-Dioxane	0.30	U	0.11	7.5
Bromodichloromethane	0.060	U	0.018	0.30
cis-1,3-Dichloropropene	0.060	U	0.020	0.30
methyl isobutyl ketone	0.33	J	0.051	0.75
Toluene	0.71		0.021	0.30
trans-1,3-Dichloropropene	0.060	U	0.023	0.30
1,1,2-Trichloroethane	0.060	U	0.024	0.30
Tetrachloroethene	0.67		0.023	0.30

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.9		0.060	0.75
Dibromochloromethane	0.060	U	0.017	0.30
1,2-Dibromoethane	0.060	U	0.021	0.30
Chlorobenzene	0.060	U	0.020	0.30
Ethylbenzene	0.078	J M	0.023	0.30
m,p-Xylene	0.17	J	0.033	0.75
Xylene, o-	0.055	J	0.024	0.30
Xylene (total)	0.23	J	0.024	0.30
Styrene	0.060	U	0.017	0.30
Bromoform	0.042	U	0.011	0.30
Cumene	0.060	U	0.017	0.30
1,1,2,2-Tetrachloroethane	0.060	U	0.017	0.30
n-Propylbenzene	0.060	U	0.020	0.30
4-Ethyltoluene	0.060	U	0.023	0.30
1,3,5-Trimethylbenzene	0.060	U	0.029	0.30
2-Chlorotoluene	0.060	U	0.020	0.30
tert-Butylbenzene	0.060	U	0.017	0.30
1,2,4-Trimethylbenzene	0.12	U	0.032	0.30
sec-Butylbenzene	0.060	U	0.023	0.30
4-Isopropyltoluene	0.12	U	0.030	0.30
1,3-Dichlorobenzene	0.060	U	0.029	0.30
1,4-Dichlorobenzene	0.060	U	0.027	0.30
Benzyl chloride	0.12	U	0.033	0.30
n-Butylbenzene	0.12	U	0.033	0.30
1,2-Dichlorobenzene	0.12	U	0.039	0.30
1,2,4-Trichlorobenzene	0.084	J	0.045	0.75
Hexachlorobutadiene	0.12	U	0.044	0.30
Naphthalene	0.17	J	0.057	0.75

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7	J	0.15	3.7
Freon 22	1.0	J	0.12	2.7
1,2-Dichlorotetrafluoroethane	0.84	U	0.21	2.1
Chloromethane	0.25	U	0.11	1.5
n-Butane	0.29	U	0.078	1.8
Vinyl chloride	0.11	U	0.035	0.77
1,3-Butadiene	0.27	U	0.083	0.66
Bromomethane	0.47	U	0.16	1.2
Chloroethane	0.32	U	0.13	2.0
Bromoethene(Vinyl Bromide)	0.26	U	0.12	1.3
Trichlorofluoromethane	1.4	J	0.18	1.7
Freon TF	0.67	J M	0.23	2.3
1,1-Dichloroethene	1.2	U	0.51	1.2
Acetone	94		1.4	18
Isopropyl alcohol	2.8	J	0.28	18
Carbon disulfide	0.91	J	0.093	2.3

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12
Client Matrix: Air

Date Sampled: 08/08/2012 1030
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.38	U	0.22	2.3
Methylene Chloride	0.42	U	0.12	2.6
tert-Butyl alcohol	150		0.19	23
Methyl tert-butyl ether	0.22	U	0.081	1.1
trans-1,2-Dichloroethene	0.48	U	0.14	1.2
n-Hexane	0.42	U	0.11	1.1
1,1-Dichloroethane	0.49	U	0.14	1.2
Methyl Ethyl Ketone	35		0.11	2.2
cis-1,2-Dichloroethene	1.2	U	0.50	1.2
1,2-Dichloroethene, Total	0.48	U	0.14	1.2
Chloroform	0.33	J	0.18	1.5
Tetrahydrofuran	0.35	U	0.13	22
1,1,1-Trichloroethane	0.65	U	0.16	1.6
Cyclohexane	0.21	U	0.098	1.0
Carbon tetrachloride	0.55	J M	0.12	1.9
2,2,4-Trimethylpentane	0.28	U	0.11	1.4
Benzene	1.0		0.086	0.96
1,2-Dichloroethane	0.24	U	0.11	1.2
n-Heptane	0.83	J	0.10	1.2
Trichloroethene	36		0.074	1.6
Methyl methacrylate	0.25	U	0.098	3.1
1,2-Dichloropropane	0.55	U	0.16	1.4
1,4-Dioxane	1.1	U	0.38	27
Bromodichloromethane	0.40	U	0.12	2.0
cis-1,3-Dichloropropene	0.27	U	0.089	1.4
methyl isobutyl ketone	1.3	J	0.21	3.1
Toluene	2.7		0.079	1.1
trans-1,3-Dichloropropene	0.27	U	0.10	1.4
1,1,2-Trichloroethane	0.33	U	0.13	1.6
Tetrachloroethene	4.6		0.15	2.0
Methyl Butyl Ketone (2-Hexanone)	7.6		0.25	3.1
Dibromochloromethane	0.51	U	0.14	2.6
1,2-Dibromoethane	0.46	U	0.16	2.3
Chlorobenzene	0.28	U	0.090	1.4
Ethylbenzene	0.34	J M	0.098	1.3
m,p-Xylene	0.75	J	0.14	3.3
Xylene, o-	0.24	J	0.10	1.3
Xylene (total)	0.99	J	0.10	1.3
Styrene	0.26	U	0.070	1.3
Bromoform	0.43	U	0.11	3.1
Cumene	0.29	U	0.081	1.5
1,1,2,2-Tetrachloroethane	0.41	U	0.11	2.1
n-Propylbenzene	0.29	U	0.096	1.5
4-Ethyltoluene	0.29	U	0.11	1.5
1,3,5-Trimethylbenzene	0.29	U	0.14	1.5
2-Chlorotoluene	0.31	U	0.10	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786VMP0302AG**

Lab Sample ID: 280-32071-12

Client Matrix: Air

Date Sampled: 08/08/2012 1030

Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi005.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/27/2012 1358			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1358			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.091	1.6
1,2,4-Trimethylbenzene	0.59	U	0.15	1.5
sec-Butylbenzene	0.33	U	0.12	1.6
4-Isopropyltoluene	0.66	U	0.16	1.6
1,3-Dichlorobenzene	0.36	U	0.17	1.8
1,4-Dichlorobenzene	0.36	U	0.16	1.8
Benzyl chloride	0.62	U	0.17	1.6
n-Butylbenzene	0.66	U	0.18	1.6
1,2-Dichlorobenzene	0.72	U	0.23	1.8
1,2,4-Trichlorobenzene	0.62	J	0.33	5.6
Hexachlorobutadiene	1.3	U	0.46	3.2
Naphthalene	0.87	J	0.30	3.9

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.4		0.020	0.50
Freon 22	27		0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.34	J	0.034	0.50
n-Butane	0.73		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	11		0.021	0.20
Freon TF	0.11	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	9.5		0.40	5.0
Isopropyl alcohol	3.2	J	0.076	5.0
Carbon disulfide	0.15	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.18	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.19	J	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.84		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.99		0.024	0.20
Tetrahydrofuran	0.47	J	0.029	5.0
1,1,1-Trichloroethane	0.53		0.020	0.20
Cyclohexane	0.10	J	0.019	0.20
Carbon tetrachloride	0.086	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.092	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.091	J	0.017	0.20
Trichloroethene	36		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.069	J	0.034	0.50
Toluene	0.32		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.22		0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.087	J	0.015	0.20
m,p-Xylene	0.23	J	0.022	0.50
Xylene, o-	0.097	J	0.016	0.20
Xylene (total)	0.33		0.016	0.20
Styrene	0.034	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.14	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.062	J	0.020	0.20
1,3-Dichlorobenzene	0.14	J	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.36	J Q	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	7.1		0.099	2.5
Freon 22	94		0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.71	J	0.070	1.0
n-Butane	1.7		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	61		0.12	1.1
Freon TF	0.82	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	23	B	0.95	12
Isopropyl alcohol	7.9	J	0.19	12
Carbon disulfide	0.46	J	0.062	1.6

CMT 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.64	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.66	J	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.5	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	4.9		0.12	0.98
Tetrahydrofuran	1.4	J	0.086	15
1,1,1-Trichloroethane	2.9		0.11	1.1
Cyclohexane	0.36	J	0.065	0.69
Carbon tetrachloride	0.54	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.30	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.37	J	0.070	0.82
Trichloroethene	190		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.28	J	0.14	2.0
Toluene	1.2		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	1.5		0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.38	J	0.065	0.87
m,p-Xylene	0.99	J	0.096	2.2
Xylene, o-	0.42	J	0.069	0.87
Xylene (total)	1.4		0.069	0.87
Styrene	0.15	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

CWH 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **774776CA01AG**

Lab Sample ID: 280-32071-13
Client Matrix: Air

Date Sampled: 08/03/2012 1430
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0346			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0346			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.69	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	0.81	J	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	1.9	J	0.20	2.6

mlt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.030	0.75
Freon 22	0.12	U	0.035	0.75
1,2-Dichlorotetrafluoroethane	0.12	U	0.030	0.30
Chloromethane	0.22	J	0.051	0.75
n-Butane	5.4		0.033	0.75
Vinyl chloride	0.042	U	0.014	0.30
1,3-Butadiene	0.12	U	0.038	0.30
Bromomethane	0.12	U	0.041	0.30
Chloroethane	0.12	U	0.050	0.75
Bromoethene(Vinyl Bromide)	0.060	U	0.029	0.30
Trichlorofluoromethane	0.26	J	0.032	0.30
Freon TF	0.081	J	0.030	0.30
1,1-Dichloroethene	0.30	U	0.13	0.30
Acetone	24		0.60	7.5
Isopropyl alcohol	3.9	J	0.11	7.5
Carbon disulfide	0.23	J	0.030	0.75
3-Chloropropene	0.12	U	0.071	0.75
Methylene Chloride	0.58	J	0.035	0.75
tert-Butyl alcohol	0.34	J	0.062	7.5
Methyl tert-butyl ether	0.060	U	0.023	0.30
trans-1,2-Dichloroethene	0.12	U	0.035	0.30
n-Hexane	1.5		0.030	0.30
1,1-Dichloroethane	0.12	U	0.035	0.30
Methyl Ethyl Ketone	1.8		0.038	0.75
cis-1,2-Dichloroethene	0.42		0.13	0.30
1,2-Dichloroethene, Total	0.42		0.035	0.30
Chloroform	0.57		0.036	0.30
Tetrahydrofuran	0.89	J	0.044	7.5
1,1,1-Trichloroethane	0.12	U	0.030	0.30
Cyclohexane	1.3		0.029	0.30
Carbon tetrachloride	0.069	J	0.020	0.30
2,2,4-Trimethylpentane	2.0		0.023	0.30
Benzene	0.16	J	0.027	0.30
1,2-Dichloroethane	0.060	U	0.027	0.30
n-Heptane	0.61		0.026	0.30
Trichloroethene	46		0.014	0.30
Methyl methacrylate	0.060	U	0.024	0.75
1,2-Dichloropropane	0.12	U	0.035	0.30
1,4-Dioxane	0.30	U	0.11	7.5
Bromodichloromethane	0.060	U	0.018	0.30
cis-1,3-Dichloropropene	0.060	U	0.020	0.30
methyl isobutyl ketone	0.12	U	0.051	0.75
Toluene	2.5		0.021	0.30
trans-1,3-Dichloropropene	0.060	U	0.023	0.30
1,1,2-Trichloroethane	0.060	U	0.024	0.30
Tetrachloroethene	3.2		0.023	0.30

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.12	U	0.060	0.75
Dibromochloromethane	0.060	U	0.017	0.30
1,2-Dibromoethane	0.060	U	0.021	0.30
Chlorobenzene	0.060	U	0.020	0.30
Ethylbenzene	0.25	J	0.023	0.30
m,p-Xylene	0.76		0.033	0.75
Xylene, o-	0.29	J	0.024	0.30
Xylene (total)	1.1		0.024	0.30
Styrene	0.11	J	0.017	0.30
Bromoform	0.042	U	0.011	0.30
Cumene	0.060	U	0.017	0.30
1,1,2,2-Tetrachloroethane	0.060	U	0.017	0.30
n-Propylbenzene	0.060	U	0.020	0.30
4-Ethyltoluene	0.074	J	0.023	0.30
1,3,5-Trimethylbenzene	0.13	J	0.029	0.30
2-Chlorotoluene	0.060	U	0.020	0.30
tert-Butylbenzene	0.060	U	0.017	0.30
1,2,4-Trimethylbenzene	0.29	J	0.032	0.30
sec-Butylbenzene	0.060	U	0.023	0.30
4-Isopropyltoluene	0.12	U	0.030	0.30
1,3-Dichlorobenzene	0.082	J	0.029	0.30
1,4-Dichlorobenzene	0.060	U	0.027	0.30
Benzyl chloride	0.12	U	0.033	0.30
n-Butylbenzene	0.12	U	0.033	0.30
1,2-Dichlorobenzene	0.12	U	0.039	0.30
1,2,4-Trichlorobenzene	0.12	U	0.045	0.75
Hexachlorobutadiene	0.12	U	0.044	0.30
Naphthalene	0.44	J	0.057	0.75

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.15	3.7
Freon 22	0.42	U	0.12	2.7
1,2-Dichlorotetrafluoroethane	0.84	U	0.21	2.1
Chloromethane	0.45	J	0.11	1.5
n-Butane	13		0.078	1.8
Vinyl chloride	0.11	U	0.035	0.77
1,3-Butadiene	0.27	U	0.083	0.66
Bromomethane	0.47	U	0.16	1.2
Chloroethane	0.32	U	0.13	2.0
Bromoethene(Vinyl Bromide)	0.26	U	0.12	1.3
Trichlorofluoromethane	1.4	J	0.18	1.7
Freon TF	0.62	J	0.23	2.3
1,1-Dichloroethene	1.2	U	0.51	1.2
Acetone	56		1.4	18
Isopropyl alcohol	9.6	J	0.28	18
Carbon disulfide	0.70	J	0.093	2.3

CWA 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.38	U	0.22	2.3
Methylene Chloride	2.0	J	0.12	2.6
tert-Butyl alcohol	1.0	J	0.19	23
Methyl tert-butyl ether	0.22	U	0.081	1.1
trans-1,2-Dichloroethene	0.48	U	0.14	1.2
n-Hexane	5.4		0.11	1.1
1,1-Dichloroethane	0.49	U	0.14	1.2
Methyl Ethyl Ketone	5.3	B	0.11	2.2
cis-1,2-Dichloroethene	1.6		0.50	1.2
1,2-Dichloroethene, Total	1.6		0.14	1.2
Chloroform	2.8		0.18	1.5
Tetrahydrofuran	2.6	J	0.13	22
1,1,1-Trichloroethane	0.65	U	0.16	1.6
Cyclohexane	4.4		0.098	1.0
Carbon tetrachloride	0.44	J	0.12	1.9
2,2,4-Trimethylpentane	9.5		0.11	1.4
Benzene	0.51	J	0.086	0.96
1,2-Dichloroethane	0.24	U	0.11	1.2
n-Heptane	2.5		0.10	1.2
Trichloroethene	250		0.074	1.6
Methyl methacrylate	0.25	U	0.098	3.1
1,2-Dichloropropane	0.55	U	0.16	1.4
1,4-Dioxane	1.1	U	0.38	27
Bromodichloromethane	0.40	U	0.12	2.0
cis-1,3-Dichloropropene	0.27	U	0.089	1.4
methyl isobutyl ketone	0.49	U	0.21	3.1
Toluene	9.5		0.079	1.1
trans-1,3-Dichloropropene	0.27	U	0.10	1.4
1,1,2-Trichloroethane	0.33	U	0.13	1.6
Tetrachloroethene	22		0.15	2.0
Methyl Butyl Ketone (2-Hexanone)	0.49	U	0.25	3.1
Dibromochloromethane	0.51	U	0.14	2.6
1,2-Dibromoethane	0.46	U	0.16	2.3
Chlorobenzene	0.28	U	0.090	1.4
Ethylbenzene	1.1	J	0.098	1.3
m,p-Xylene	3.3		0.14	3.3
Xylene, o-	1.3	J	0.10	1.3
Xylene (total)	4.6		0.10	1.3
Styrene	0.48	J	0.070	1.3
Bromoform	0.43	U	0.11	3.1
Cumene	0.29	U	0.081	1.5
1,1,2,2-Tetrachloroethane	0.41	U	0.11	2.1
n-Propylbenzene	0.29	U	0.096	1.5
4-Ethyltoluene	0.36	J	0.11	1.5
1,3,5-Trimethylbenzene	0.65	J	0.14	1.5
2-Chlorotoluene	0.31	U	0.10	1.6

CLK 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786CA01AG**

Lab Sample ID: 280-32071-14
Client Matrix: Air

Date Sampled: 08/03/2012 1325
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg020.d
Dilution:	1.5			Initial Weight/Volume:	133 mL
Analysis Date:	08/23/2012 0439			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0439			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.091	1.6
1,2,4-Trimethylbenzene	1.4	J	0.15	1.5
sec-Butylbenzene	0.33	U	0.12	1.6
4-Isopropyltoluene	0.66	U	0.16	1.6
1,3-Dichlorobenzene	0.49	J	0.17	1.8
1,4-Dichlorobenzene	0.36	U	0.16	1.8
Benzyl chloride	0.62	U	0.17	1.6
n-Butylbenzene	0.66	U	0.18	1.6
1,2-Dichlorobenzene	0.72	U	0.23	1.8
1,2,4-Trichlorobenzene	0.89	U	0.33	5.6
Hexachlorobutadiene	1.3	U	0.46	3.2
Naphthalene	2.3	J	0.30	3.9

CLK 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.54		0.034	0.50
n-Butane	1.1		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.22		0.021	0.20
Freon TF	0.076	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	6.9		0.40	5.0
Isopropyl alcohol	0.34	J	0.076	5.0
Carbon disulfide	0.080	U	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.15	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.21		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.78		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.080	U	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.044	J	0.019	0.20
Carbon tetrachloride	0.070	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.11	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.17	J	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.093	J	0.034	0.50
Toluene	0.34		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 **0532**			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 **0532**			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.050	J	0.015	0.20
m,p-Xylene	0.15	J	0.022	0.50
Xylene, o-	0.051	J	0.016	0.20
Xylene (total)	0.20		0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.075	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U H	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.1		0.070	1.0
n-Butane	2.5		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.58	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	16	B	0.95	12
Isopropyl alcohol	0.84	J	0.19	12
Carbon disulfide	0.25	U	0.062	1.6

cnt 10/20/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.51	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.75		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.3	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.24	U	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.15	J	0.065	0.69
Carbon tetrachloride	0.44	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.36	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.70	J	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.38	J	0.14	2.0
Toluene	1.3		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.22	J	0.065	0.87
m,p-Xylene	0.65	J	0.096	2.2
Xylene, o-	0.22	J	0.069	0.87
Xylene (total)	0.88		0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

aut 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785IA08**

Lab Sample ID: 280-32071-15
Client Matrix: Air

Date Sampled: 08/08/2012 1420
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0532			Final Weight/Volume.	200 mL
Prep Date:	08/23/2012 0532			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.37	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

CMH
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.020	0.50
Freon 22	0.36	J	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.62		0.034	0.50
n-Butane	3.3		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.080	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	19		0.40	5.0
Isopropyl alcohol	1.2	J	0.076	5.0
Carbon disulfide	0.56		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.30	J	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.42		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.5		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.038	J	0.024	0.20
Tetrahydrofuran	0.51	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.10	J	0.019	0.20
Carbon tetrachloride	0.069	J	0.013	0.20
2,2,4-Trimethylpentane	0.17	J	0.015	0.20
Benzene	0.15	J	0.018	0.20
1,2-Dichloroethane	0.11	J	0.018	0.20
n-Heptane	0.22		0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.17	J	0.034	0.50
Toluene	1.9		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.050	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.097	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.29		0.015	0.20
m,p-Xylene	0.89		0.022	0.50
Xylene, o-	0.24		0.016	0.20
Xylene (total)	1.1		0.016	0.20
Styrene	0.15	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.12	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.099	2.5
Freon 22	1.3	J	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	1.3		0.070	1.0
n-Butane	7.8		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.61	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	46		0.95	12
Isopropyl alcohol	3.0	J	0.19	12
Carbon disulfide	1.8		0.062	1.6

CWA 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: 786IA07

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	1.0	J	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.5		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.5	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.19	J	0.12	0.98
Tetrahydrofuran	1.5	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.35	J	0.065	0.69
Carbon tetrachloride	0.43	J	0.082	1.3
2,2,4-Trimethylpentane	0.80	J	0.070	0.93
Benzene	0.47	J	0.058	0.64
1,2-Dichloroethane	0.44	J	0.073	0.81
n-Heptane	0.92		0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.71	J	0.14	2.0
Toluene	7.3		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.34	J M	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.40	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.3		0.065	0.87
m,p-Xylene	3.9		0.096	2.2
Xylene, o-	1.0		0.069	0.87
Xylene (total)	4.9		0.069	0.87
Styrene	0.62	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

cwt 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **786IA07**

Lab Sample ID: 280-32071-16
Client Matrix: Air

Date Sampled: 08/08/2012 1110
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0626			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0626			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.59	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6

CMS
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: 785786OA04

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.64	J	0.040	1.0
Freon 22	0.16	U	0.046	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.040	0.40
Chloromethane	0.60	J	0.068	1.0
n-Butane	13		0.044	1.0
Vinyl chloride	0.056	U	0.018	0.40
1,3-Butadiene	0.16	U	0.050	0.40
Bromomethane	0.16	U	0.054	0.40
Chloroethane	0.16	U	0.066	1.0
Bromoethene(Vinyl Bromide)	0.080	U	0.038	0.40
Trichlorofluoromethane	0.25	J	0.042	0.40
Freon TF	0.092	J	0.040	0.40
1,1-Dichloroethene	0.40	U	0.17	0.40
Acetone	64		0.80	10
Isopropyl alcohol	4.6	J	0.15	10
Carbon disulfide	0.25	J	0.040	1.0
3-Chloropropene	0.16	U	0.094	1.0
Methylene Chloride	0.68	J	0.046	1.0
tert-Butyl alcohol	0.60	J	0.082	10
Methyl tert-butyl ether	0.080	U	0.030	0.40
trans-1,2-Dichloroethene	0.16	U	0.046	0.40
n-Hexane	1.3		0.040	0.40
1,1-Dichloroethane	0.16	U	0.046	0.40
Methyl Ethyl Ketone	2.9		0.050	1.0
cis-1,2-Dichloroethene	0.40	U	0.17	0.40
1,2-Dichloroethene, Total	0.16	U	0.046	0.40
Chloroform	0.16	U	0.048	0.40
Tetrahydrofuran	2.0	J	0.058	10
1,1,1-Trichloroethane	0.16	U	0.040	0.40
Cyclohexane	0.44		0.038	0.40
Carbon tetrachloride	0.080	U	0.026	0.40
2,2,4-Trimethylpentane	0.12	J	0.030	0.40
Benzene	0.25	J	0.036	0.40
1,2-Dichloroethane	0.64		0.036	0.40
n-Heptane	0.66		0.034	0.40
Trichloroethene	0.056	U	0.018	0.40
Methyl methacrylate	0.080	U	0.032	1.0
1,2-Dichloropropane	0.16	U	0.046	0.40
1,4-Dioxane	0.40	U	0.14	10
Bromodichloromethane	0.080	U	0.024	0.40
cis-1,3-Dichloropropene	0.080	U	0.026	0.40
methyl isobutyl ketone	0.16	U	0.068	1.0
Toluene	4.4		0.028	0.40
trans-1,3-Dichloropropene	0.080	U	0.030	0.40
1,1,2-Trichloroethane	0.080	U	0.032	0.40
Tetrachloroethene	0.25	J	0.030	0.40

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.28	J	0.080	1.0
Dibromochloromethane	0.080	U	0.022	0.40
1,2-Dibromoethane	0.080	U	0.028	0.40
Chlorobenzene	0.080	U	0.026	0.40
Ethylbenzene	0.31	J	0.030	0.40
m,p-Xylene	0.88	J	0.044	1.0
Xylene, o-	0.31	J	0.032	0.40
Xylene (total)	1.2		0.032	0.40
Styrene	0.17	J	0.022	0.40
Bromoform	0.056	U	0.014	0.40
Cumene	0.080	U	0.022	0.40
1,1,2,2-Tetrachloroethane	0.080	U	0.022	0.40
n-Propylbenzene	0.080	U	0.026	0.40
4-Ethyltoluene	0.080	U	0.030	0.40
1,3,5-Trimethylbenzene	0.080	U	0.038	0.40
2-Chlorotoluene	0.080	U	0.026	0.40
tert-Butylbenzene	0.080	U	0.022	0.40
1,2,4-Trimethylbenzene	0.15	J	0.042	0.40
sec-Butylbenzene	0.080	U	0.030	0.40
4-Isopropyltoluene	0.16	U	0.040	0.40
1,3-Dichlorobenzene	0.080	U	0.038	0.40
1,4-Dichlorobenzene	0.080	U	0.036	0.40
Benzyl chloride	0.16	U	0.044	0.40
n-Butylbenzene	0.16	U	0.044	0.40
1,2-Dichlorobenzene	0.16	U	0.052	0.40
1,2,4-Trichlorobenzene	0.16	U	0.060	1.0
Hexachlorobutadiene	0.16	U	0.058	0.40
Naphthalene	0.21	J	0.076	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.2	J	0.20	4.9
Freon 22	0.57	U	0.16	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.28	2.8
Chloromethane	1.2	J	0.14	2.1
n-Butane	30		0.10	2.4
Vinyl chloride	0.14	U	0.047	1.0
1,3-Butadiene	0.35	U	0.11	0.88
Bromomethane	0.62	U	0.21	1.6
Chloroethane	0.42	U	0.17	2.6
Bromoethene(Vinyl Bromide)	0.35	U	0.17	1.7
Trichlorofluoromethane	1.4	J	0.24	2.2
Freon TF	0.70	J	0.31	3.1
1,1-Dichloroethene	1.6	U	0.68	1.6
Acetone	150		1.9	24
Isopropyl alcohol	11	J	0.37	25
Carbon disulfide	0.78	J	0.12	3.1

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.29	3.1
Methylene Chloride	2.4	J	0.16	3.5
tert-Butyl alcohol	1.8	J	0.25	30
Methyl tert-butyl ether	0.29	U	0.11	1.4
trans-1,2-Dichloroethene	0.63	U	0.18	1.6
n-Hexane	4.4		0.14	1.4
1,1-Dichloroethane	0.65	U	0.19	1.6
Methyl Ethyl Ketone	8.6	B	0.15	2.9
cis-1,2-Dichloroethene	1.6	U	0.67	1.6
1,2-Dichloroethene, Total	0.63	U	0.18	1.6
Chloroform	0.78	U	0.23	2.0
Tetrahydrofuran	5.9	J	0.17	29
1,1,1-Trichloroethane	0.87	U	0.22	2.2
Cyclohexane	1.5		0.13	1.4
Carbon tetrachloride	0.50	U	0.16	2.5
2,2,4-Trimethylpentane	0.56	J	0.14	1.9
Benzene	0.80	J	0.12	1.3
1,2-Dichloroethane	2.6		0.15	1.6
n-Heptane	2.7		0.14	1.6
Trichloroethene	0.30	U	0.099	2.1
Methyl methacrylate	0.33	U	0.13	4.1
1,2-Dichloropropane	0.74	U	0.21	1.8
1,4-Dioxane	1.4	U	0.50	36
Bromodichloromethane	0.54	U	0.16	2.7
cis-1,3-Dichloropropene	0.36	U	0.12	1.8
methyl isobutyl ketone	0.66	U	0.28	4.1
Toluene	17		0.11	1.5
trans-1,3-Dichloropropene	0.36	U	0.14	1.8
1,1,2-Trichloroethane	0.44	U	0.17	2.2
Tetrachloroethene	1.7	J	0.20	2.7
Methyl Butyl Ketone (2-Hexanone)	1.1	J	0.33	4.1
Dibromochloromethane	0.68	U	0.19	3.4
1,2-Dibromoethane	0.61	U	0.22	3.1
Chlorobenzene	0.37	U	0.12	1.8
Ethylbenzene	1.4	J	0.13	1.7
m,p-Xylene	3.8	J	0.19	4.3
Xylene, o-	1.3	J	0.14	1.7
Xylene (total)	5.1		0.14	1.7
Styrene	0.74	J	0.094	1.7
Bromoform	0.58	U	0.15	4.1
Cumene	0.39	U	0.11	2.0
1,1,2,2-Tetrachloroethane	0.55	U	0.15	2.7
n-Propylbenzene	0.39	U	0.13	2.0
4-Ethyltoluene	0.39	U	0.15	2.0
1,3,5-Trimethylbenzene	0.39	U	0.19	2.0
2-Chlorotoluene	0.41	U	0.13	2.1

CMA 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785786OA04**

Lab Sample ID: 280-32071-17
Client Matrix: Air

Date Sampled: 08/08/2012 1150
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/27/2012 1452			Final Weight/Volume:	200 mL
Prep Date:	08/27/2012 1452			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.44	U	0.12	2.2
1,2,4-Trimethylbenzene	0.73	J	0.21	2.0
sec-Butylbenzene	0.44	U	0.16	2.2
4-Isopropyltoluene	0.88	U	0.22	2.2
1,3-Dichlorobenzene	0.48	U	0.23	2.4
1,4-Dichlorobenzene	0.48	U	0.22	2.4
Benzyl chloride	0.83	U	0.23	2.1
n-Butylbenzene	0.88	U	0.24	2.2
1,2-Dichlorobenzene	0.96	U	0.31	2.4
1,2,4-Trichlorobenzene	1.2	U	0.45	7.4
Hexachlorobutadiene	1.7	U	0.62	4.3
Naphthalene	1.1	J	0.40	5.2

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	18		0.034	0.50
n-Butane	2.6		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.077	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	4.9	J	0.40	5.0
Isopropyl alcohol	5.1		0.076	5.0
Carbon disulfide	0.28	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.70		0.023	0.50
tert-Butyl alcohol	0.59	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.38		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.1		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	30		0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.074	J	0.013	0.20
2,2,4-Trimethylpentane	0.32		0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.93		0.017	0.20
Trichloroethene	1.7		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.26	J	0.034	0.50
Toluene	1.0		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.11	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.11	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.28		0.015	0.20
m,p-Xylene	1.0		0.022	0.50
Xylene, o-	0.36		0.016	0.20
Xylene (total)	1.4		0.016	0.20
Styrene	0.11	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.14	J	0.013	0.20
4-Ethyltoluene	0.25		0.015	0.20
1,3,5-Trimethylbenzene	0.21		0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.74		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.060	J	0.020	0.20
1,3-Dichlorobenzene	0.50		0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.42	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	37		0.070	1.0
n-Butane	6.3		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.3		0.12	1.1
Freon TF	0.59	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	12	J	0.95	12
Isopropyl alcohol	13		0.19	12
Carbon disulfide	0.86	J	0.062	1.6

Cust 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	2.4		0.080	1.7
tert-Butyl alcohol	1.8	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.3		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	3.3	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	87		0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.46	J	0.082	1.3
2,2,4-Trimethylpentane	1.5		0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	3.8		0.070	0.82
Trichloroethene	9.1		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.0	J	0.14	2.0
Toluene	3.8		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.73	J	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.47	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	1.2		0.065	0.87
m,p-Xylene	4.5		0.096	2.2
Xylene, o-	1.6		0.069	0.87
Xylene (total)	6.0		0.069	0.87
Styrene	0.46	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.68	J	0.064	0.98
4-Ethyltoluene	1.2		0.074	0.98
1,3,5-Trimethylbenzene	1.0		0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0202AH**

Lab Sample ID: 280-32071-18
Client Matrix: Air

Date Sampled: 08/08/2012 1440
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0814			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0814			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	3.7		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.33	J	0.11	1.1
1,3-Dichlorobenzene	3.0		0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	2.2	J	0.20	2.6

CMS 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.54		0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.14	J	0.034	0.50
n-Butane	1.6		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.24		0.021	0.20
Freon TF	0.090	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	19		0.40	5.0
Isopropyl alcohol	6.1		0.076	5.0
Carbon disulfide	3.8		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.24	J	0.023	0.50
tert-Butyl alcohol	0.58	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.40		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	3.5		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.096	J	0.024	0.20
Tetrahydrofuran	1.2	J	0.029	5.0
1,1,1-Trichloroethane	0.073	J	0.020	0.20
Cyclohexane	0.60		0.019	0.20
Carbon tetrachloride	0.075	J	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.18	J	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.26		0.017	0.20
Trichloroethene	7.2		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.31	J	0.034	0.50
Toluene	1.6		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.17	J	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.23	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.91		0.015	0.20
m,p-Xylene	0.79		0.022	0.50
Xylene, o-	0.40		0.016	0.20
Xylene (total)	1.2		0.016	0.20
Styrene	0.070	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.30		0.013	0.20
4-Ethyltoluene	0.74		0.015	0.20
1,3,5-Trimethylbenzene	0.80		0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	3.0		0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.29		0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.13	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.30	J	0.070	1.0
n-Butane	3.8		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.4		0.12	1.1
Freon TF	0.69	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	44		0.95	12
Isopropyl alcohol	15		0.19	12
Carbon disulfide	12		0.062	1.6

10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.82	J	0.080	1.7
tert-Butyl alcohol	1.8	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.4		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	10	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.47	J	0.12	0.98
Tetrahydrofuran	3.4	J	0.086	15
1,1,1-Trichloroethane	0.40	J M	0.11	1.1
Cyclohexane	2.1		0.065	0.69
Carbon tetrachloride	0.47	J	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.57	J	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	1.1		0.070	0.82
Trichloroethene	39		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	1.3	J	0.14	2.0
Toluene	5.9		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	1.2	J	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.94	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	3.9		0.065	0.87
m,p-Xylene	3.4		0.096	2.2
Xylene, o-	1.7		0.069	0.87
Xylene (total)	5.2		0.069	0.87
Styrene	0.30	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	1.5		0.064	0.98
4-Ethyltoluene	3.6		0.074	0.98
1,3,5-Trimethylbenzene	3.9		0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0401AG**

Lab Sample ID: 280-32071-19
Client Matrix: Air

Date Sampled: 08/08/2012 1410
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 0907			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 0907			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	15		0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	1.6		0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.68	J	0.20	2.6

LMT
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.47	J	0.034	0.50
n-Butane	1.8		0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.27		0.021	0.20
Freon TF	0.076	J	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	8.5		0.40	5.0
Isopropyl alcohol	0.86	J	0.076	5.0
Carbon disulfide	0.87		0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.17	J M	0.023	0.50
tert-Butyl alcohol	0.32	J	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.36		0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	1.5		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.14	J	0.029	5.0
1,1,1-Trichloroethane	0.14	J M	0.020	0.20
Cyclohexane	0.22		0.019	0.20
Carbon tetrachloride	0.072	J	0.013	0.20
2,2,4-Trimethylpentane	0.20		0.015	0.20
Benzene	0.16	J M	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.33		0.017	0.20
Trichloroethene	3.7		0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.12	J	0.034	0.50
Toluene	0.98		0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.21	J	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.86		0.015	0.20
m,p-Xylene	3.1		0.022	0.50
Xylene, o-	1.1		0.016	0.20
Xylene (total)	4.2		0.016	0.20
Styrene	0.15	J	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.14	J	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.12	J	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.088	J	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.97	J	0.070	1.0
n-Butane	4.4		0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	1.5		0.12	1.1
Freon TF	0.58	J	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	20	B	0.95	12
Isopropyl alcohol	2.1	J	0.19	12
Carbon disulfide	2.7		0.062	1.6

Cust 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.59	J M	0.080	1.7
tert-Butyl alcohol	0.96	J	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	1.3		0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	4.3	B	0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.41	J	0.086	15
1,1,1-Trichloroethane	0.74	J M	0.11	1.1
Cyclohexane	0.76		0.065	0.69
Carbon tetrachloride	0.45	J	0.082	1.3
2,2,4-Trimethylpentane	0.92		0.070	0.93
Benzene	0.50	J M	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	1.4		0.070	0.82
Trichloroethene	20		0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.49	J	0.14	2.0
Toluene	3.7		0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.86	J	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	3.8		0.065	0.87
m,p-Xylene	14		0.096	2.2
Xylene, o-	4.7		0.069	0.87
Xylene (total)	18		0.069	0.87
Styrene	0.64	J	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

CMA 10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **785VMP0501AD**

Lab Sample ID: 280-32071-20
Client Matrix: Air

Date Sampled: 08/08/2012 1500
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44081	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzg026.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2012 1001			Final Weight/Volume:	200 mL
Prep Date:	08/23/2012 1001			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.69	J	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.64	J	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.46	J ϕ	0.20	2.6

Cwt
10/30/12

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB
Client Matrix: Air

Date Sampled: 08/08/2012 0900
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.I
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.080	U	0.020	0.50
Freon 22	0.080	U	0.023	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.020	0.20
Chloromethane	0.13	J	0.034	0.50
n-Butane	0.23	J	0.022	0.50
Vinyl chloride	0.028	U	0.0091	0.20
1,3-Butadiene	0.080	U	0.025	0.20
Bromomethane	0.080	U	0.027	0.20
Chloroethane	0.080	U	0.033	0.50
Bromoethene(Vinyl Bromide)	0.040	U	0.019	0.20
Trichlorofluoromethane	0.080	U	0.021	0.20
Freon TF	0.080	U	0.020	0.20
1,1-Dichloroethene	0.20	U	0.086	0.20
Acetone	2.7	J	0.40	5.0
Isopropyl alcohol	1.2	J	0.076	5.0
Carbon disulfide	0.067	J	0.020	0.50
3-Chloropropene	0.080	U	0.047	0.50
Methylene Chloride	0.080	U	0.023	0.50
tert-Butyl alcohol	0.080	U	0.041	5.0
Methyl tert-butyl ether	0.040	U	0.015	0.20
trans-1,2-Dichloroethene	0.080	U	0.023	0.20
n-Hexane	0.080	U	0.020	0.20
1,1-Dichloroethane	0.080	U	0.023	0.20
Methyl Ethyl Ketone	0.83		0.025	0.50
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
1,2-Dichloroethene, Total	0.080	U	0.023	0.20
Chloroform	0.080	U	0.024	0.20
Tetrahydrofuran	0.21	J	0.029	5.0
1,1,1-Trichloroethane	0.080	U	0.020	0.20
Cyclohexane	0.040	U	0.019	0.20
Carbon tetrachloride	0.040	U	0.013	0.20
2,2,4-Trimethylpentane	0.040	U	0.015	0.20
Benzene	0.040	U	0.018	0.20
1,2-Dichloroethane	0.040	U	0.018	0.20
n-Heptane	0.040	U	0.017	0.20
Trichloroethene	0.028	U	0.0092	0.20
Methyl methacrylate	0.040	U	0.016	0.50
1,2-Dichloropropane	0.080	U	0.023	0.20
1,4-Dioxane	0.20	U	0.070	5.0
Bromodichloromethane	0.040	U	0.012	0.20
cis-1,3-Dichloropropene	0.040	U	0.013	0.20
methyl isobutyl ketone	0.080	U	0.034	0.50
Toluene	0.098	J	0.014	0.20
trans-1,3-Dichloropropene	0.040	U	0.015	0.20
1,1,2-Trichloroethane	0.040	U	0.016	0.20
Tetrachloroethene	0.040	U	0.015	0.20

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB

Client Matrix: Air

Date Sampled: 08/08/2012 0900

Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.080	U	0.040	0.50
Dibromochloromethane	0.040	U	0.011	0.20
1,2-Dibromoethane	0.040	U	0.014	0.20
Chlorobenzene	0.040	U	0.013	0.20
Ethylbenzene	0.040	U	0.015	0.20
m,p-Xylene	0.040	U	0.022	0.50
Xylene, o-	0.040	U	0.016	0.20
Xylene (total)	0.040	U	0.016	0.20
Styrene	0.040	U	0.011	0.20
Bromoform	0.028	U	0.0072	0.20
Cumene	0.040	U	0.011	0.20
1,1,2,2-Tetrachloroethane	0.040	U	0.011	0.20
n-Propylbenzene	0.040	U	0.013	0.20
4-Ethyltoluene	0.040	U	0.015	0.20
1,3,5-Trimethylbenzene	0.040	U	0.019	0.20
2-Chlorotoluene	0.040	U	0.013	0.20
tert-Butylbenzene	0.040	U	0.011	0.20
1,2,4-Trimethylbenzene	0.080	U	0.021	0.20
sec-Butylbenzene	0.040	U	0.015	0.20
4-Isopropyltoluene	0.080	U	0.020	0.20
1,3-Dichlorobenzene	0.040	U	0.019	0.20
1,4-Dichlorobenzene	0.040	U	0.018	0.20
Benzyl chloride	0.080	U	0.022	0.20
n-Butylbenzene	0.080	U	0.022	0.20
1,2-Dichlorobenzene	0.080	U	0.026	0.20
1,2,4-Trichlorobenzene	0.080	U	0.030	0.50
Hexachlorobutadiene	0.080	U	0.029	0.20
Naphthalene	0.080	U	0.038	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.40	U	0.099	2.5
Freon 22	0.28	U	0.081	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.14	1.4
Chloromethane	0.26	J	0.070	1.0
n-Butane	0.54	J	0.052	1.2
Vinyl chloride	0.072	U	0.023	0.51
1,3-Butadiene	0.18	U	0.055	0.44
Bromomethane	0.31	U	0.10	0.78
Chloroethane	0.21	U	0.087	1.3
Bromoethene(Vinyl Bromide)	0.17	U	0.083	0.87
Trichlorofluoromethane	0.45	U	0.12	1.1
Freon TF	0.61	U	0.15	1.5
1,1-Dichloroethene	0.79	U	0.34	0.79
Acetone	6.5	J	0.95	12
Isopropyl alcohol	3.0	J	0.19	12
Carbon disulfide	0.21	J	0.062	1.6

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB
Client Matrix: Air

Date Sampled: 08/08/2012 0900
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 08/28/2012 0017
Prep Date: 08/28/2012 0017

Analysis Batch: 200-44077
Prep Batch: N/A

Instrument ID: C.i
Lab File ID: ckzi014.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.15	1.6
Methylene Chloride	0.28	U	0.080	1.7
tert-Butyl alcohol	0.24	U	0.12	15
Methyl tert-butyl ether	0.14	U	0.054	0.72
trans-1,2-Dichloroethene	0.32	U	0.091	0.79
n-Hexane	0.28	U	0.070	0.70
1,1-Dichloroethane	0.32	U	0.093	0.81
Methyl Ethyl Ketone	2.4		0.074	1.5
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
1,2-Dichloroethene, Total	0.32	U	0.091	0.79
Chloroform	0.39	U	0.12	0.98
Tetrahydrofuran	0.61	J	0.086	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.14	U	0.065	0.69
Carbon tetrachloride	0.25	U	0.082	1.3
2,2,4-Trimethylpentane	0.19	U	0.070	0.93
Benzene	0.13	U	0.058	0.64
1,2-Dichloroethane	0.16	U	0.073	0.81
n-Heptane	0.16	U	0.070	0.82
Trichloroethene	0.15	U	0.049	1.1
Methyl methacrylate	0.16	U	0.066	2.0
1,2-Dichloropropane	0.37	U	0.11	0.92
1,4-Dioxane	0.72	U	0.25	18
Bromodichloromethane	0.27	U	0.080	1.3
cis-1,3-Dichloropropene	0.18	U	0.059	0.91
methyl isobutyl ketone	0.33	U	0.14	2.0
Toluene	0.37	J	0.053	0.75
trans-1,3-Dichloropropene	0.18	U	0.068	0.91
1,1,2-Trichloroethane	0.22	U	0.087	1.1
Tetrachloroethene	0.27	U	0.10	1.4
Methyl Butyl Ketone (2-Hexanone)	0.33	U	0.16	2.0
Dibromochloromethane	0.34	U	0.094	1.7
1,2-Dibromoethane	0.31	U	0.11	1.5
Chlorobenzene	0.18	U	0.060	0.92
Ethylbenzene	0.17	U	0.065	0.87
m,p-Xylene	0.17	U	0.096	2.2
Xylene, o-	0.17	U	0.069	0.87
Xylene (total)	0.17	U	0.069	0.87
Styrene	0.17	U	0.047	0.85
Bromoform	0.29	U	0.074	2.1
Cumene	0.20	U	0.054	0.98
1,1,2,2-Tetrachloroethane	0.27	U	0.076	1.4
n-Propylbenzene	0.20	U	0.064	0.98
4-Ethyltoluene	0.20	U	0.074	0.98
1,3,5-Trimethylbenzene	0.20	U	0.093	0.98
2-Chlorotoluene	0.21	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-32071-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-32071-21TB
Client Matrix: Air

Date Sampled: 08/08/2012 0900
Date Received: 08/10/2012 0945

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44077	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzi014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/28/2012 0017			Final Weight/Volume:	200 mL
Prep Date:	08/28/2012 0017			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.22	U	0.060	1.1
1,2,4-Trimethylbenzene	0.39	U	0.10	0.98
sec-Butylbenzene	0.22	U	0.082	1.1
4-Isopropyltoluene	0.44	U	0.11	1.1
1,3-Dichlorobenzene	0.24	U	0.11	1.2
1,4-Dichlorobenzene	0.24	U	0.11	1.2
Benzyl chloride	0.41	U	0.11	1.0
n-Butylbenzene	0.44	U	0.12	1.1
1,2-Dichlorobenzene	0.48	U	0.16	1.2
1,2,4-Trichlorobenzene	0.59	U	0.22	3.7
Hexachlorobutadiene	0.85	U	0.31	2.1
Naphthalene	0.42	U	0.20	2.6