SOIL VAPOR INTRUSION INVESTIGATION REPORT

FINAL

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LIST OF ACRONYMS

ACG	NYSDEC Annual Guideline Concentration
AHA	Activity Hazard Analyses
AMC	Army Material Command
ARARs	Applicable or relevant and appropriate requirements
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	contaminants of concern
CONDEC	Consolidated Diesel Electric Company
CSM	conceptual site model
CSS	Contract Compliance Screening
CT	carbon tetrachloride
CVOCs	chlorinated volatile organic compounds
DAR	NYSDEC Division of Air Resources
DCE	dichloroethene
DLA/DNSC	Defense Logistics Agency/Defense National Stockpile Center
DoD	Department of Defense
DQOs	data quality objectives
EDD	electronic data deliverable
EDMS	Environmental Data Management System
ELAP	Environmental Laboratory Accreditation Program
ESI	Expanded Site Investigation
fbgs	feet below ground surface
FEP	fluorinated ethylene propylene
FOL	field operations leader
FS	Feasibility Study
FSP	Field Sampling Plan
ft	feet/foot
GSA	US General Services Agency
HSP	Health and Safety Plan
IDW	investigation-derived waste
IRM	interim remedial measure
LCS	Laboratory Control Samples
MCL	maximum contaminant level
MDL	Method Detection Limit
MS/MSD	matrix spikes/matrix spike duplicates
NAE	New England District
NAN	New York District
NAPL	non-aqueous phase liquid
NAVD	North American Vertical Datum
NCR	non-conformance report
NELAP	National Environmental Laboratory Accreditation Program
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OD	outside diameter

O&M	operation and maintenance
PBC	performance-based contract
PCE	tetrachloroethene
PCOCs	potential contaminants of concern
PRB	permeable reactive barrier
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QAO	quality assurance officer
RI	Remedial Investigation
RL	reporting limit
ROI	radius of influence
SCDA	Schenectady County Development Agency
scfm	standard cubic feet per minute
SCG	NYSDEC Short-Term Guideline Concentration
SEDD	staged electronic data deliverable
SIM	selective ion monitoring
Site	Former Defense National Stockpile Center Scotia Depot
SOP	Standard Operating Procedure
SOW	Scope of Work
SSDS	Sub-Slab Depressurization System
Stone	Stone Environmental, Inc.
SVI	soil vapor intrusion
TAL	Target Analyte List
TCA	trichloroethane
TCE	trichloroethene
TCL	Target Compound List
TIC	tentatively identified compound
µg/Kg	micrograms per Kilogram
µg/L	micrograms per Liter
USACE	United States Army Corps of Engineers
USEPA	US Environmental Protection Agency
VOC	volatile organic compound
XML	extensible markup language
ZVI	zero-valent iron

1. PROJECT OVERVIEW

This Soil Vapor Intrusion Investigation (SVII Report) has been prepared by Stone Environmental, Inc. (Stone) to document soil vapor intrusion (SVI) investigation activities and results at and near the former Defense National Stockpile Center Scotia Depot Site (the "Site") in Glenville, New York (Figure 1). Stone Environmental completed this work under a performance-based contract with the United States Army Corps of Engineers (USACE), New England District (CENAE), and under an Interagency Agreement between USACE, New York District (CENAN) with the General Services Administration (GSA). The ultimate goal of the SVI investigation under this Task Order is to collect sufficient data to meet the requirements for SVI investigations prescribed in the New York State Department of Environmental Conservation (NYSDEC) March 2010 Record of Decision (ROD) for the project.

2. TASK SCOPE AND OBJECTIVES

2.1. Soil Vapor Intrusion Investigation Task Development

The tasks described in the *Project Plan (PP)* and *Field Sampling Plan (FSP)* were designed to eliminate the identified data gaps and collect the data necessary to support the design of the selected remedy for the project. The list of field tasks has been developed in an iterative fashion, with input and approval from CENAE, CENAN, and Stone, through the following steps:

1. Initial SOW tasks were included in the *SOW*, dated 4 October 2010;
2. Subsequent discussions between USACE and Stone resulted in revisions to the *SOW*, dated 30 October 2012, 30 November 2012, and 7 and 13 December 2012;
3. Changes to the *SOW* under Modification 01, executing sampling under Task 12, Soil Vapor Intrusion (SVI) investigation, dated 1 April 2013.
4. Changes to the *SOW* under Modification 02, reassigning the sampling effort under Subtasks 12B and 12C, due to lack of access to offsite residential properties, dated 15 May 2013.
5. Changes to the *SOW* under Modification 03, requesting pre-design and cost estimates for monitoring and mitigation, dated 19 July 2013.

2.2. Objectives of the Soil Vapor Intrusion Investigation

The objectives of the SVI investigation are to:

1. Perform SVI investigations, pursuant to the ROD, associated with the carbon tetrachloride (CT) and trichloroethene (TCE) plumes, including:
    a. Addressing the data gap regarding the indoor air pathway for the onsite buildings;
    b. Continued implementation of the SVI monitoring program at offsite residences (not performed due to property owner refusals); and
    c. Evaluation of the potential risk associated with SVI for the onsite buildings.
2. Use the SVI data to evaluate the need for monitoring or mitigation, using the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006; and
3. Prepare a scope and cost estimates for the required monitoring or mitigation.

3. BACKGROUND INFORMATION

The following section provides an overview of the background and setting for the project, based on Stone's review of available background documents.

3.1. Property Identification

The Scotia Naval Depot is adjacent to the north side of New York State (NYS) Route 5 in the Town of Glenville, Schenectady County, New York (see Figure 1: Locus Map). The Site and adjacent properties are zoned for commercial use. The Mohawk River is located approximately 1,500 feet west-southwest of the Scotia Naval Depot and represents the major drainage feature in Schenectady County. The Site overlies an USEPA designated Sole Source Aquifer referred to as the Schenectady or Great Flats Aquifer system. Relative to a series of four aquifer protection zones established to protect municipal water supplies relying on the aquifer system, the Site lies in Zone III, or the General Aquifer Recharge Area.

Portions of the original Scotia Naval Depot have been subdivided and sold since 1972 by the United States Government. The Site now consists of several large, privately held parcels in addition to a portion of land still administered by the GSA. The private parcels contain a variety of industrial tenants; while the GSA leases its remaining portion to the Defense Logistics Agency/Defense National Stockpile Center (DLA/DNSC) and the Navy. The disposition of land at the original Scotia Naval Depot is as follows:

- In 1972, approximately 77 acres were transferred to Schenectady Industrial Development; now known as Scotia Industrial Park, Inc. (a.k.a., Galesi Corporation);
- In June 1985, approximately 126 acres were sold to Schenectady County Development Agency (SCDA) and became Scotia Glenville Industrial Park. Also in June 1985, approximately 27 acres were sold to the Galesi Corporation and were added to Corporations Park;
- In 1988, approximately 36 acres were separated to the Navy and the Depot retained the remainder of the GSA administered land as the DLA;
- In July 1997, GSA sold approximately 11.5 acres of the Depot to SCDA; and
- Currently, the Navy occupies approximately 14.2 acres and the DLA/DNSC occupies approximately 59.7 acres. Figure 2 shows the approximate boundaries of the Defense National Stockpile Center Scotia Depot when established in 1942, and the approximate current property boundaries. The Site is currently owned by the GSA and operated by the DNSC.

The areas surrounding the Site are largely residential with commercial / industrial land use.

3.2. Property History

The Scotia Depot was built in 1942 and 1943 and was commissioned as a United States Navy facility on March 30, 1943. It served as a storage and supply depot for naval forces along the Atlantic coast and Europe, and as a storage and distribution point for National Stockpile materials. The parcel originally consisted of approximately 337 acres. The facility mostly stored large items such as boilers, turbines and reduction gears and was the home of the Navy's Landing Craft Maintenance and Battle Damage Program and the Navy's Automotive and Handling Equipment Spare Parts Program. Employment peaked in 1945 at 2,342 personnel. On January 1, 1960 the Navy turned the facility over to the GSA.

Between early 1966 and approximately 1973, USACE / Army Material Command (AMC) leased buildings from the Navy for the fabrication and storage of vehicles as well as other military equipment. GSA records indicate that this included the LARC V Amphibious Lighter. These operations were predominantly conducted by the AMC contractor, Consolidated Diesel Electric Company (CONDEC). In early 1968 through 1971 inspections at the CONDEC operation indicated the continuing presence of fire and safety hazards. These included the improper storage of flammables and paints, and the "dangerous air contaminants created or released by open surface dip tank operations."

Additionally, between 1967 and 1969, the GSA and the Navy leased two buildings to the United States Army / Defense Supply Agency. The agreement indicated these buildings were used for the "preservation and rail loading of trucks; storage of trucks and ten 6 × 6 AIC vehicles."

In response to the detection of trichloroethene (TCE) at concentrations less than 1 microgram per Liter (µg/L) (the federal Maximum Contaminant Level and New York State Drinking Water Standard is 5 µg/L) (USEPA, 2013) in the Town of Rotterdam and City of Schenectady well fields, NYSDOH performed private water supply sampling in 1991. The private water supply sampling included residences located on NYS Route 5 in the Town of Glenville and hydraulically downgradient of the Site. Chlorinated volatile organic compounds (CVOCs), including TCE, 1,1,1-trichloroethane (1,1,1-TCA), and tetrachloroethene (PCE), were detected in groundwater collected in some of the residential wells. Consistent with the groundwater contamination at the Site, TCE was the primary CVOC detected in the residential well water samples (at concentrations up to 320 µg/L). Following a recommendation by the NYSDOH to connect to public water, the homes on NYS Route 5 were subsequently connected to public water provided by the Town of Glenville. The drinking water standard was never exceeded in the City of Schenectady and the Town of Rotterdam municipal water supply wells.

In addition to the dissolved phase TCE plume, data collected as part of the ESI and from past investigations, indicate that an east-west trending carbon tetrachloride (CT) groundwater plume is also present beneath the Former Scotia Naval Depot. The CT plume is located to the north of the TCE plume. CT has been detected in monitoring wells MW-5, MW-8, MW-11, MW-12, and PMW-3 at concentrations ranging from 1 to 10 µg/L. The suspected source of the CT was likely a former drywell located in the northeast corner of the 300 Block. Shallow soil and sediment samples collected in this area contained CT, indicating that historic disposal of CT in the drywell and associated drainage lines may have occurred in this area. Although only marginally greater than the groundwater quality standard of 5 µg/L, it was concluded that the CT groundwater plume could be impacting the quality of sub-slab and indoor air at residential properties located above the plume (Malcolm Pirnie, 2010).

In addition, and unrelated to the investigations related to the TCE groundwater plume, a site assessment was completed by the Defense National Stockpile Center in advance of transferring unused portions of the property back to the GSA. Based on the site assessment, soil with metals present above background concentrations was excavated from two former metals and ore stockpile areas and two drywells were removed as part of interim remedial measures (IRMs) in 2005.

3.3. Conceptual Site Model

3.3.1. Hydrogeology

The Site overlies the Great Flats Aquifer system. The thickest portion of the aquifer is near the Site, where the sand and gravel deposits are approximately 200 feet. The unconsolidated deposits beneath the Site include ice-proximal end moraine and esker gravel units which vary in thickness from less than a foot to more than 50 feet, and overlie basal till, which appears to act as an aquitard. There are several sub-facies with lateral and vertical variation in grain size present. These ice-proximal deposits filled the bedrock ravine beneath the Site and also

appear to extend close to the ground surface beneath the apparent source area at the Site (NYSDEC / GeoLogic, 2007).

Estimates of hydraulic conductivity of the unconsolidated deposits beneath the Site are average, ranging between 0.001 to 0.0001 centimeters per second. The Mohawk River represents the regional groundwater discharge point. Groundwater beneath the Site occurs at depths of approximately 65 to 70 feet below ground surface and flows from east-northeast to west-southwest beneath the majority of the Site toward the Mohawk River.

3.3.2. Contaminant Distribution

In developing the Conceptual Site Model (CSM), the observations regarding Site background and environmental setting each have implications for understanding the nature and extent of contamination and potential remedial strategies. The following text summarizes the CSM.

The Site is occupied by four east-west trending groundwater plumes of carbon tetrachloride (CT), 1,1,1-TCA, PCE, and TCE. The 1,1,1-TCA and PCE plumes are essentially co-located, with the CT plume located to their northwest, and the TCE plume located to their southeast (see Figure 3). On the DLA/DNSC property, the highest groundwater TCE concentrations (up to 800 µg/L) historically have been detected in monitoring well GEP-2. However, during the most recent sampling round, the highest groundwater concentrations of TCE were detected in the following monitoring wells: MW-22 (370 µg/L); GEP-1 (160 µg/L); MW-13 (150 µg/L); MW-18 (110 µg/L); MW-15 (98 µg/L); and GEP-2 (78 µg/L). The data from these wells have previously been used to determine the centerline of the dissolved TCE plume in groundwater. The addition of vertical groundwater profile data provides greater resolution of the distribution of TCE in groundwater (Stone, 2013b). Offsite, TCE has been consistently detected in out-of-service residential water supply wells at concentrations ranging from 50 to 100 µg/L. Based on offsite residential sub-slab and indoor air sampling detections of CT, the CT plume extends offsite (NYSDEC / GeoLogic, 2007).

The highest soil TCE concentrations do not directly overlie the area where the highest TCE groundwater concentrations were detected. This may be explained by the Site stratigraphy, the vadose zone being nearly 70 feet thick, and the downward migration and transport of the TCE following its initial release. In particular, occasional fine-grained sand and silt lenses are present in the overburden deposits beneath the Site. As the TCE contamination migrated under gravity flow downward through nearly 70 feet of unsaturated glaciofluvial deposits, the low-permeability fine sand and silt lenses may have caused lateral migration of the TCE contaminants down the dip/slope of the low-permeability lenses until reaching the boundary or the margins of the low-permeability lens. Once beyond the low-permeability lens, the contamination flowed vertically downward until reaching the water table. Once the TCE contamination reached the water table, it would migrate in two directions: horizontally as a dissolved-phase plume in the direction of groundwater flow, and vertically as TCE. As TCE, it would continue to migrate downward in a stepwise fashion, ultimately reaching the top of the till layer. This step-wise migration of contamination would lead to a complicated plume structure, such is observed in the vertical groundwater profile data.

Further insight into the structure of the TCE plume was obtained during the pre-design investigation performed between February and May 2013. The groundwater vertical profile transects determined that the TCE plume extends from the water table downward to depths between 105 to 130 fbgs (40 to 60 ft below the water table), and is at least 1,000 ft wide (the investigation did not identify the northern boundary of the TCE plume). Groundwater concentrations within most of the plume range approximately one order of magnitude, from 20 to 200 µg/L, with contaminant concentrations gradually increasing with depth. The pre-design investigation also identified a core area of the plume, where concentrations of TCE in groundwater are another half-order of magnitude greater, ranging from 270 to 730 µg/L. The core of the plume is located at the bottom of the plume,

and is approximately 250 ft wide where it was measured. Figure 3 depicts the currently understood extent of the TCE plume geometry. Below the plume core, TCE concentrations drop to below detection limits within 10 vertical feet (Stone, 2013b). Based on the structure of the plume defined by the vertical groundwater profiling data, particularly the increasing concentrations with depth and the plume core at the bottom of the plume, it appears that sufficient mass of TCE was released to allow its migration through the groundwater column as TCE, and to have accumulated at some depth in the source area. Based on this conceptual model, and based on the length of time that has passed since TCE disposal at the site was terminated, it is unlikely that a substantial amount of TCE remains in the subsurface, and that declining reverse matrix diffusion is the primary source of continuing TCE groundwater impacts.

In addition, the suite of contaminants varies systematically across the width of the TCE plume. The southern side of the TCE plume contains solely TCE, with no breakdown products. The northern side of the TCE plume contains more than 50% PCE, and modest concentrations of breakdown products, including 1,1-dichloroethane, cis-1,2-dichloroethene, as well as CT (Stone, 2013b). This distribution of contaminants is an illustration of two separate, comingled plumes, with separate sources, as depicted in Figure 3. The distribution of PCE in groundwater suggests two separate sources, one coincident with the TCE source, and one located to the north and west of the TCE source, coincident with the 1,1,1-TCA source. The presence of PCE in the vicinity of the TCE source may be due to trace concentrations (2 to 3%) of PCE in the TCE, or it may represent releases of both hazardous substances. PCE concentrations in the plume core at vertical groundwater profile locations SA03 and SA05 are less than 0.01% the TCE concentrations, indicating nearly complete degradation of PCE to TCE at this location in the TCE plume.

A CT plume exists to the north of the TCE plume, and comingles with the TCE plume along its northern edge. The CT plume has an apparent source located north of the source of the PCE / 1,1,1-TCA plumes. The most recent rounds of groundwater data do not define the northern boundary of the CT plume, which is also depicted on Figure 3.

Based on a 2004 to 2005 indoor air monitoring program, the presence of TCE at concentrations of approximately 50 µg/L in offsite groundwater was determined to not influence indoor air quality at the homes that directly overlie or that are near the TCE groundwater plume. Low levels of CT in a groundwater plume to the northwest of the TCE groundwater plume, however, were found to influence both sub-slab and indoor air quality. Due to the presence of CT in both sub-slab and indoor air samples at two properties, the owners of those properties were contacted regarding the installation of sub-slab mitigation systems. Although both property owners declined, NYSDEC indicated follow-up indoor air monitoring would be completed to assess conditions over time (NYSDEC / GeoLogic, 2007). Groundwater vertical profile transects were not performed to further characterize the characteristics of the CT plume.

In February 2013, an offer to perform sub-slab and indoor air sampling was made by GSA to the owners of four private residential properties located downgradient of the Site); two of the owners declined and the other two owners received the offer, but did not respond.

The CSM for soil vapor intrusion at the Site is that the volatile hazardous constituents dissolved in groundwater, based on their Henry's Law constants, partition preferentially to soil vapor above the dissolved groundwater plumes and move vertically upward through the vadose zone via diffusion. Each individual VOC will partition to soil vapor proportional to its Henry Law constant and its groundwater concentration. From this perspective, the groundwater plume orientations and hazardous constituent concentrations should be related to the location and constituents in soil vapor and indoor air, as the soil vapor diffuses outward from the plume. However, current tenants in Buildings 201, 203, and 204 have used hazardous materials containing one or more of the COCs for the Site, which provide additional potential sources of COCs in indoor air; the handling

and disposal of such products may have resulted in a release to the soils beneath these buildings, which could be detected in soil vapor samples. Subsection 6.1 provides a summary of the pre-sampling hazardous substance inventory of the buildings performed by Stone. The extent to which the groundwater plume orientations and hazardous constituent concentrations do not relate to the location and constituents in soil vapor and indoor air results may reflect the influences of the alternate sources listed above.

3.3.3. Prescribed Actions

The ROD prescribes the "continued implementation of a vapor intrusion monitoring program, and if necessary, installation of air mitigation systems for buildings located above the TCE and CT plumes" (NYSDEC, 2010). The ROD further prescribes "provisions for any new structures in the area of the groundwater contamination to include sub-slab construction that allows for installation and operation of mitigation systems". The ROD prescriptions are the basis for the SVI investigation described in the following sections of this report.

4. INVESTIGATIVE ACTIVITIES

Using the process described in Section 2, the SVI investigation field tasks were developed to address the data gaps identified in the *ROD*. Section 2 of the *FSP* provided detailed descriptions of the field task methodologies. Data quality objectives (DQOs), which further detail the objectives for each field task, are described in Subsection 6.1 of the *Project Plan*, as well as in *Quality Assurance Project Plan* Worksheet #16.

4.1. Pre-Sampling Building Survey and Inventory

Prior to the sampling event, Stone interviewed the occupants of Buildings 201, 202, 203, and 204, in cooperation with the property owner, to gather information. At the same time, Stone performed an inspection of each building and a an inventory of operation areas, to identify potential alternative sources of indoor air contamination, as presented in SOP SEI-6.49.0 in Attachment B of the *FSP*. Copies of the survey and inventory sheets are included in Appendix A.

4.2. Soil Vapor Intrusion Sampling

Based on USEPA, DoD, and NYDOH SVI guidance, and following consultation with CENAE and NYSDOH risk assessment personnel, Stone collected a total of 28 sub-slab and indoor air samples (including duplicate soil vapor and indoor air samples) to evaluate the possibility of SVI, from 15 soil vapor sample locations, nine indoor air sample locations, and a background ambient outdoor air sample location, under conservative conditions (e.g., windows and doors closed, heating, ventilating in operation, to the extent possible). The sampling was performed during the heating season, as defined by NYSDOH, with overnight lows below 50° Fahrenheit. The samples were collected from Buildings 201, 202, 203, 204 403 and 404, which are slab-on-grade industrial buildings. Table 1 summarizes the samples collected, and Figure 2 depicts the sample locations. The sub-slab samples collected from Buildings 403 and 404 were for the purpose of potential property transfer evaluation. Due to the lack of heating in Buildings 403 and 404 and numerous openings to outside air, indoor air samples were determined to be unnecessary in these buildings. The field records for sub-slab and indoor air samples are included in Appendix B.

Table 1: Summary of Soil Vapor Intrusion Samples

Sample Location	Sample ID	Sample Date	Sample Times	Sample Depth	Location
SV1	SV1-1-A	4/5/2013	17:12 to17:40	1 fbgs	Northwest corner of western bay of Building 403, vacant
SV2	SV2-1-A	4/5/2013	10:10 to 11:18	1 fbgs	Southeast corner of western bay of Building 403, vacant
SV3	SV3-1-A	4/5/2013	11:28 to 11:58	1 fbgs	Northwest corner of western bay of Building 404, vacant
SV4	SV4-1-A	4/5/2013	11:44 to 12:14	1 fbgs	Southeast corner of western bay of Building 404, vacant
SV5 / AR5	SV5-1-A AR5-3-A	4/4/2013	08:20 to 15:44 07:10 to 15:00	1 fbgs 3 ftags	North-central portion of Building 201, office area
SV6 / AR6	SV6-1-A AR6-3-A	4/4/2013	08:32 to 16:36 07:16 to 14:07	1 fbgs 3 ftags	Western portion of Building 201, manufacturing area
SV7 / AR7	SV7-1-A AR7-3-A	4/4/2013	08:59 to 16:22 07:19 to 14:07	1 fbgs 3 ftags	Eastern portion of Building 201, warehouse area
SV8 / AR8	SV8-1-A AR8-3-A	4/4/2013	09:46 to 17:46 07:38 to 15:44	1 fbgs 3 ftags	North-central portion of Building 203, office area
SV9 / AR9	SV9-1-A AR9-3-A	4/4/2013	09:33 to 17:22 07:42 to 15:42	1 fbgs 3 ftags	Western portion of Building 203, manufacturing area
SV10 / AR10	SV10-1-A AR10-3-A	4/4/2013	09:18 to 17:18 07:46 to 15:32	1 fbgs 3 ftags	Southeastern corner of Building 203, manufacturing area
SV11 / AR11	SV11-1-A AR11-3-A	4/5/2013	07:42 to 15:24 07:28 to 15:28	1 fbgs 3 ftags	South-central portion of Building 202, vacant office area
SV12	SV12-1-A	4/5/2013	07:51 to 15:32	1 fbgs	Northeast portion of center bay of Building 202, vacant
SV13	SV13-1-A	4/5/2013	08:30 to 16:10	1 fbgs	Western end of Building 204, machine shop
SV14 / AR14	SV14-1-A AR14-3-A	4/5/2013	08:58 to 16:15 07:31 to 15:48	1 fbgs 3 ftags	Southeast corner of Building 204, vacant area
SV15 / AR15	SV15-1-A SV15-1-A-D AR-15-3-A AR15-3-A-D	4/5/2013	08:17 to 16:05 08:17 to 16:05 07:27 to 15:44 07:27 to 15:44	1 fbgs 1 fbgs 3 ftags 1 ftags	Southwest corner of Building 204, office area
AR16 / AR17	AR16-3-A AR17-3-A	4/4/2013 4/5/2013	07:32 to 15:52 07:24 to 15:24	3 ftags 3 ftags	Light pole located west (upwind) of Building 203 (Ambient air background sample location)

Samples with a “SV” prefix are soil vapor samples; samples with an “AR” prefix are indoor air samples.

ftbgs: feet below ground surface

ftags: feet above ground surface

4.2.1. Sub-Slab Soil Vapor Sample Collection

A ⅜-inch diameter hole was drilled in the slab using a rotary hammer drill to a depth of 12-inches below ground surface. Once at depth, a section of ¼-inch outside diameter (OD) fluorinated ethylene propylene

(FEP) tubing of sufficient length to reach sampling apparatus on the surface was inserted into the borehole. The annular space between the tubing and borehole was filled using silica sand to approximately 2-inches below the surface of the borehole. The annular space at the surface was sealed using VOC-free "plumber's putty".

Following installation, the sample train was connected to the handheld PID, and one to three sample train volumes were purged prior to sample collection. Peak PID readings during the purge were recorded on field forms. Carbon dioxide, carbon monoxide, and oxygen concentrations were then measured using the multigas meter.

After installation of the sample port and field screening, leak testing was performed at each of the sampling locations to demonstrate that the sampling system did not allow for short circuiting to occur between the ambient air and the sampling train.

The leak test procedure was as follows:

1. Turn on helium detector to allow the unit to warm up.
2. Purge sample train by connecting PID to sample side of the leak testing pail using Tygon tubing.
3. Allow unit to draw sample train air for 4 minutes.
4. Record peak value on field form.
5. Measure CO_2/CO/O_2 concentrations with CO_2/CO/O_2 meter and record value on field form.
6. Connect helium detector to the sample side of leak testing bucket.
7. Connect the sample train tubing to the sample side of the leak test pail.
8. Connect helium regulator to open port of leak test pail.
9. Allow helium detector to purge sample train of ambient air (5 minutes).
10. Turn on helium until gas is heard escaping from the bottom of the pail.
11. Check for leaks in sample train, as indicated by positive readings on the helium detector.

No helium was detected at any of the sub-slab soil vapor sampling locations, confirming that no short circuiting occurred during sampling.

Following successful leak testing, the FEP tubing was connected to a laboratory-certified clean Summa® canister. The flow control regulator (preset by the laboratory) on the canister was opened, and the start time and initial pressure were recorded on sampling form. The sample locations were checked periodically to verify remaining vacuum. At the end of the sampling period (8 hours in the 200-block buildings, 30 minutes in the 400-block buildings), the time and final pressure were recorded and the regulator valve was shut off. Tubing was removed from the borehole and the borehole was sealed to surface with quick-setting concrete.

For quality control, duplicate sub-slab soil vapor samples were collected at location SV15, by splitting the FEP tubing to two separate Summa canisters. A laboratory-certified clean Summa canister was also sent with the samples as a trip blank. Sample collection data were recorded on field sheets, included in Appendix B.

4.2.2. Indoor Air Sample Collection

Sample collection comprised positioning a sub-atmospheric laboratory-certified clean Summa® canister within each zone of interest approximately 3 feet off the ground. Each canister was fitted with a flow controller (preset by the laboratory) and allowed to acquire a sample for 8 hours. Initial and final vacuum gauge readings were recorded at the beginning and end of the 8-hour period. The sample locations were checked periodically to verify remaining vacuum. At the end of the sampling period, the regulator valve was shut off. For quality control, duplicate indoor air samples were collected at location AR15 by setting two separate Summa® canisters next to each other for the same sampling period. Sample collection data were recorded on field sheets, included in Appendix B. It should be noted that indoor air samples were collected from Buildings 201,

203, and 204 during a workday, during which interior and exterior doors were regularly opened, which has the potential to confound the indoor air sample results. However, no apparent effect was noted in the analytical results, as will be discussed in Subsection 6.3.

4.2.3. Ambient Air Background Sample Collection

An ambient air sample was collected on each sampling day (4 and 5 May 2013), west and upwind of Building 202 to serve as the onsite background samples for all buildings. These samples were collected from a similar height as indoor air samples.

4.2.4. Air Sample Analysis

The SVI samples were analyzed via EPA Toxic Organic (TO) Method 15, using selective ion monitoring (SIM) analysis by Alpha Analytical Laboratory, which meets Method T0-15 laboratory certification requirements specified by NYSDOH and is accredited for Method T0-15 according to the DoD Environmental Laboratory Accreditation Program (ELAP). The analytical results are discussed in Section 5. Complete laboratory data packages are included in Appendix C.

5. QUALITY ASSURANCE SUMMARY

5.1. Objectives of the Soil Vapor Intrusion Investigation

In accordance with the March 2013 *Final Pre-Design Investigation Project Plan* and *Field Sampling Plan*, quality control measures were implemented to ensure that the data met the data quality objectives and provide a sound basis from which remedial options can later be evaluated for the project. These measures included a trip blank Summa® canister, quality assurance reviews of field methods, field calibration and data, and laboratory analytical results.

Minor deviations to specified field methods were recorded due to unforeseen changes in field conditions. The only non-minor deviation from the *FSP* was due to the failure of one of the Summa® canisters, for which no backup was available, which resulted in no indoor air sample being collected from proposed location AR12, in the warehouse portion of unoccupied Building 202. CENAE was present at the time and involved in discussions onsite that included decision based on the facts that no spare Summa canisters were available, and that the proposed location for this sample (the vacant warehouse section of Building 202) was unheated and had been vacant for some time, and could therefore be omitted.

The air VOC analytical results were validated in conformance with Tier II (Stage 2b electronic and manual for calibrations) guidelines as defined by EPA Region I, *Region I EPANE Data Validation Functional Guidelines for Evaluating Environmental Analyses*, March 1996 and the laboratory standard operating procedure. *EPA's National Functional Guidelines for Organic Data Review* (EPA 540/R-99/008, 10/99) was also considered during the evaluation, professional judgment was applied as necessary and appropriate, and the data were found to be 100% useable, with qualifications as noted below. The validated analytical results are summarized in Tables C-1 and C-2 of Appendix C, which also includes the laboratory data packages and the data validation narrative. In these tables, two qualifiers are used: "U" denotes that the compound was not detected; "J" denotes that the value is estimated. Data validation issues regarding the quality of the laboratory analytical results are summarized below, which resulted in estimated results:

- Acetone was reported in sample SV14-1-A in the laboratory duplicate sample. Acetone is not a contaminant of concern for the Scotia Naval Depot, and its detection in the blank does not adversely affect the quality of the air data.
- Carbon tetrachloride marginally did not meet quality control criteria in the laboratory duplicate sample for sample SV3-1-A, and as a result, the positive CT result was qualified as estimated. Carbon tetrachloride is a contaminant of concern for the Scotia Naval Depot, but its estimation in the sample does not adversely affect the quality of the air data.
- Methylene chloride was reported in the air sampling trip blank sample, and as a result, positive methylene chloride results were qualified as not detected. Methylene chloride is not a contaminant of concern for the Scotia Naval Depot, and its detection in the blank does not adversely affect the quality of the air data.
- Naphthalene was detected in the method blank sample for samples SV3-1-A, SV4-1-A, SV5-1-A, SV6-1-A, SV9-1-A, SV10-1-A, SV12-1-A, SV15-1-A and SV15-1-A-D, and as a result, estimated naphthalene results in those samples were qualified as not detected. Naphthalene is not a contaminant of concern for the Scotia Naval Depot, and its detection in the blank does not adversely affect the quality of the air data.

6. RESULTS AND CONCLUSIONS

This section provides the results of the 2013 SVI investigation. The results are primarily provided in tabular form and on maps and cross-sections.

6.1. Pre-Sampling Building Survey and Inventory Review

Buildings 201 through 204 and 403 and 404 are approximately 600 ft long, 200 ft wide, and 40 ft tall warehouses. Buildings 201 through 204 were originally a single open space, but have been subdivided by their tenants into work areas and office areas as shown in Figure 2. Buildings 403 and 404 are subdivided into four sections along their length; the soil vapor samples from these buildings were collected from their westernmost sections, which are closest to the TCE plume.

Stone performed the Pre-Sampling Building Survey and Inventory contained in Appendix A to identify products which contain CT, 1,1,1-TCA, PCE, TCE. Table 2 summarizes the products observed in Buildings 201, 203 and 204 that contain VOCs that were included in the air sample analyses; Buildings 202, 403, and 404 are vacant and contained no products of any kind.

Table 2: Summary of VOCs Present in Products in Buildings

Analyte	Building 201	Building 203	Building 204
1,1,1,2-Tetrachloroethane	No	No	No
1,1,1-Trichloroethane	TapMagic cutting fluid	No	Anti-seize compound
1,1,2,2-Tetrachloroethane	No	No	No
1,1,2-Trichloroethane	No	No	No
1,1-Dichloroethane	No	No	No
1,1-Dichloroethene	No	No	No
1,2,3-Trichlorobenzene	No	No	No
1,2,4-Trichlorobenzene	No	No	No
1,2,4-Trimethylbenzene	Alkyd enamel, Enamel primer	Gasoline, Paint thinner	Zinc rich epoxy primer
1,2-Dibromoethane	No	No	No
1,2-Dichlorobenzene	No	No	No
1,2-Dichloroethane	No	No	No
1,2-Dichloropropane	No	No	No
1,3,5-Trimethybenzene	No	No	No
1,3-Butadiene	No	No	No
1,3-Dichlorobenzene	No	No	No
1,4-Dichlorobenzene	No	No	No
2-Butanone	PVC cement	Epoxy, Epoxy primer	PVC cement/cleaner
4-Ethyltoluene	No	No	No
4-Methyl-2-pentanone (MIBK)	No	Epoxy, Epoxy primer	Denatured alcohol
Acetone	Enamel primer, Enamel spray, Rubatex adhesive, Copper	Spray paint, Acetone, stencil ink, Epoxy, Epoxy primer	Acetone, 3M Polystrene Foam, Spray paint, PVC cleaner,

Analyte	Building 201	Building 203	Building 204
	Spray-a-sealant, Spray paint		JT501 general purpose solvent
Acrylonitrile	No	No	No
Benzene	Spindle Oil 68	Gasoline	No
Bromodichloromethane	No	No	No
Bromoform	No	No	No
Bromomethane	No	No	No
Carbon tetrachloride	No	No	No
Chlorobenzene	No	No	No
Chloroethane	No	No	No
Chloroform	No	No	No
Chloromethane	No	No	No
cis-1,2-Dichloroethene	No	No	No
cis-1,3-Dichloropropene	No	No	No
Dibromochloromethane	Copper Spray-a-sealant	No	No
Dichlorodifluoromethane	No	No	No
Ethylbenzene	Mastic Coating, Alkyd enamel, Enamel primer, Enamel spray, Enamel	Gasoline, Enamel, Alkyd paint	Zinc rich epoxy primer
Freon-113	No	No	No
Freon-114	No	No	No
Hexachlorobutadiene	No	No	No
Isopropylbenzene	No	No	No
Methyl tert butyl ether	No	Gasoline	No
Methylene chloride	Misty paint remover	No	No
n-Butylbenzene	No	No	No
Naphthalene	No	Diesel fuel	No
o-Xylene	Mastic Coating, Alkyd enamel, Enamel primer, Enamel spray, Enamel, Spray marking paint	Gasoline, Enamel, Epoxy	Zinc rich epoxy primer
p-Isopropyltoluene	No	No	No
p/m-Xylene	Mastic Coating, Alkyd enamel, Enamel primer, Enamel spray, Enamel, Spray marking paint	Gasoline, Enamel, Epoxy	Zinc rich epoxy primer
sec-Butylbenzene	No	No	No
Styrene	No	No	No
Tetrachloroethene	Grease Gun in a can	Brake cleaner, Waist Solvent/Paints	No
Toluene	Enamel spray, Rubatex adhesive, Spray marking paint,	Gasoline, Battery terminal sealer, Epoxy, Rubberized	JT501 general purpose solvent

Analyte	Building 201	Building 203	Building 204
	Spindle Oil 68	undercoating	
trans-1,2-Dichloroethene	No	No	No
trans-1,3-Dichloropropene	No	No	No
Trichloroethene	metal protector, Rema TipTop White/Black Cement, PPE Synergy Blend Silicone Spray Release	Brake cleaner	No
Trichlorofluoromethane	No	No	No

Table 2 shows that 1,1,1-TCA, TCE, and PCE are used in one or more of the buildings and may present an alternative source of VOCs, particularly in indoor air samples. In summary:

- no products containing CT were observed in any of the buildings;
- 1,1,1-TCA-containing products were observed in Buildings 201 and 204; and,
- TCE- and PCE-containing products were observed in Buildings 201 and 203.

6.2. Soil Vapor Intrusion Results

Based on USEPA, DoD, and NYDOH SVI guidance, and following consultation with CENAE and NYSDOH risk assessment personnel, under Subtask 12B, Stone collected a total of 28 sub-slab and indoor air samples to evaluate the possibility of SVI, from 15 soil vapor sample locations, nine indoor air sample locations, and a background ambient outdoor air sample location, under conservative conditions (e.g., windows and doors closed, heating, ventilating, and/or air conditioning in operation, to the extent possible). The samples were collected from Buildings 201, 202, 203, 204, 403 and 404, which are slab-on-grade industrial buildings. Table 3 summarizes the field screening parameters recorded during the collection of the soil vapor samples.

Table 3: Summary of Soil Vapor Sample Parameters

Location ID	Date	Soil Headspace (ppm)[1]	Carbon Monoxide (ppm)	Carbon Dioxide (ppm)	Oxygen (%)
SV1	4/4/2013	0.9	0.9	NR	NR
SV2	4/4/2013	4.5	4.5	0.0	20.9
SV3	4/4/2013	3.5	1.0	810	20.9
SV4	4/4/2013	2.7	0.0	1,200	20.9
SV5	4/4/2013	1.0	0.0	550	20.9
SV6	4/4/2013	0.5	0.0	760	20.9
SV7	4/4/2013	3.3	0.0	670	20.9
SV8	4/5/2013	1.1	0.0	5,200	18.9
SV9	4/5/2013	1.6	NR	930	9.5
SV10	4/5/2013	5.4	NR	0.0	4.5
SV11	4/4/2013	4.0	0.0	90	14.2
SV12	4/4/2013	3.6	0.0	13.16	20.9
SV13	4/5/2013	8.5	0.0	14,200	18.7
SV14	4/5/2013	6.6	0.0	0.0	14.3

Location ID	Date	Soil Headspace (ppm)[1]	Carbon Monoxide (ppm)	Carbon Dioxide (ppm)	Oxygen (%)
SV15	4/5/2013	0.5	0.0	960	20.9

NR: Not recorded
ppm: Parts per million
%: percent

1 – Soil headspace is the photoionization detector reading indicating potential VOCs.

The soil vapor and indoor air samples were analyzed for VOCs via EPA Method TO-15. The validated analytical results are summarized in Tables C-1 and C-2 of Appendix C, which also includes the laboratory data packages and the data validation narrative.

None of the indoor air sample results exceeded NYSDOH chemical-specific air guideline values, which are only available for the following COCs: PCE (100 micrograms per cubic meter ($\mu g/m^3$)) and TCE (5 $\mu g/m^3$) (NYSDOH, 2006).

6.3. Interpretation of Soil Vapor Intrusion Results

6.3.1. Nature and Extent of Soil Vapor Intrusion Impacts

Based on the available groundwater analytical results, and as specified in the ROD, the primary contaminants of concern at the Site are CT, 1,1,1-TCA, PCE, TCE, as well as their breakdown products. Figure 3 depicts the current understanding of the extent of the groundwater plumes that are the apparent source of soil vapor intrusion at the Site, based on a synthesis of groundwater data obtained by Stone during a February 2013 synoptic groundwater sampling round and the vertical groundwater profiling data collected during February and March 2013. At least three separate plumes are depicted: CT to the north, PCE / 1,1,1-TCA in the center, and TCE on the south; all three plumes overlap along their margins. The detections of 1,1,1-TCA are collocated with PCE, suggesting a common source, since 1,1,1-TCA is not a degradate of PCE or TCE (Stone, 2013b).

6.3.1.1. Nature and Extent of Soil Vapor Contamination

The nature and extent of the COCs CT, 1,1,1-TCA, PCE, and TCE in soil vapor are depicted in Figures 4, 5, 6, and 7 respectively. The figures also depict the currently understood groundwater plume extents, and provide a basis for the comparison of groundwater plume and soil vapor extents for each COC.

Figure 4 depicts the CT groundwater plume and the distribution of CT in sub-slab soil vapor. It appears that the elevated CT soil vapor concentrations noted at locations SV08, SV09, SV11, SV12, and SV14 correlate with the interpreted location of the CT groundwater plume. However, the elevated concentration of CT in soil vapor at location SV07 appear to be located north of the CT groundwater plume centerline, although the CT groundwater plume is poorly-defined by the 2013 groundwater data.

Figure 5 depicts the 1,1,1-TCA groundwater plume and the distribution of 1,1,1-TCA in sub-slab soil vapor. It appears that the most elevated 1,1,1-TCA soil vapor concentrations noted at locations SV08, SV09, SV11, and SV12 do not correlate with the interpreted location of the 1,1,1-TCA groundwater plume, but lie to the north of it. The lack of 1,1,1-TCA detections in well MW-12 -- which lies between locations SV08, SV09, SV11, SV12, and monitoring well MW-5 (which constrains the plume to the southwest) -- suggests either that there are alternate, shallow sources of 1,1,1-TCA in soil vapor, or that there is substantial sub-slab migration of soil vapor. Even though wells MW-5 and MW-12 water table wells which may not reflect greater groundwater

1,1,1-TCA concentrations at depth, they do accurately reflect 1,1,1-TCE concentrations in the shallowest portion of the aquifer, which is the source of soil vapor.

Figure 6 depicts the PCE groundwater plume and the distribution of PCE in sub-slab soil vapor. It appears that the elevated PCE soil vapor concentrations noted at locations SV09, SV10, and SV13 correlate with the interpreted location of the PCE groundwater plume, which is interpreted to flow beneath the southeast corner of Building 203 and the center of Building 204.

Figure 7 depicts the TCE groundwater plume and the distribution of TCE in sub-slab soil vapor. It appears that the elevated TCE soil vapor concentrations noted at locations SV10, and SV14 correlate with the location of the TCE groundwater plume, which in interpreted to flow beneath the eastern end of Building 204. In contrast, the highest TCE soil vapor concentration was detected at location SV13, which is more distant from the TCE groundwater plume. The concentration of TCE detected in soil vapor at location SV13 (1,320 µg/m^3) is 48 times the next highest soil vapor TCE concentration (27.4 µg/m^3), noted at SV14, which is the closest soil vapor location to the TCE groundwater plume. However, back-calculating the groundwater concentration necessary to produce an equilibrium soil vapor concentration of 1,320 µg/m^3 results in a groundwater TCE concentration of 3.5 µg/L, which is consistent with the interpretation of the current groundwater plume in this area. These observations suggest that the elevated concentrations noted at location SV13, may be related to the TCE groundwater plume, but do not explain why locations closer to the plume centerline do not have higher soil vapor concentrations..

Comparing the soil vapor parameters (CO_2 and O_2) measured with field screening instruments (see Table 3) with the occurrence of elevated sub-slab VOC concentrations, the markedly low O_2 and/or elevated CO_2 readings recorded at locations SV08, SV09, and SV10 support a conclusion that aerobic biodegradation of contaminants in the sub-slab environment is occurring.

6.3.1.2. Nature and Extent of Indoor Air Contamination

Carbon tetrachloride, 1,1,1-TCA, PCE, and TCE were detected in most of the indoor air samples collected, with CT being the most commonly detected. Further, VOC concentrations in soil vapor generally exceeded those of indoor air samples, by factors ranging from 3 to over 600. Only 6 of the 44 co-located soil vapor and indoor air CT, 1,1,1-TCA, PCE, and TCE result pairs showed an indoor air concentration higher than the corresponding soil vapor concentration, as follows:

- Carbon tetrachloride in indoor air exceeded the soil vapor concentration by 11% at location SV6/AR6;
- Tetrachloroethene in indoor air exceeded the soil vapor concentration by 1.7% at location SV09/AR09, by 27% at location SV10/AR10, and by 18% at location SV15/AR15;
- Trichloroethene in indoor air exceeded the soil vapor concentration and by 0.7% at location SV09/AR09, and by 77% at location SV15/AR15.

The results generally support a conclusion that the source of VOCs in indoor air is the sub-slab soil vapor. A summary and implications of the soil vapor and indoor air results are included in Subsection 6.3.2.

6.3.2. Evaluation of Need for Response to Soil Vapor Intrusion Impacts

Consistent with Subsection 5.1.2 of the ROD, the need for responses to the concentrations of VOCs in sub-slab and indoor air analytical results were evaluated using the air guidelines provided in the NYSDOH guidance document titled *Guidance for Evaluating Soil Vapor Intrusion in the State of New York,* dated October 2006. Specifically, the sub-slab and indoor air analytical results were compared to Soil Vapor/Indoor Air Matrix 1 for TCE and CT and Soil Vapor/Indoor Air Matrix 2 for PCE and 1,1,1-TCA. These matrices compare

collocated soil vapor and indoor air concentrations, and make one of the five following recommendations based upon the results (NYSDOH, 2006, Subsection 3.4.3):

- No Further Action. The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.
- Take Reasonable and Practical Actions to Identify Source(s) and Reduce Exposures. The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.
- Monitor. Monitoring, including the sampling of sub-slab vapor, basement air, lowest occupied living space air, and outdoor air, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.
- Mitigate. Mitigation is appropriate to minimize current or potential exposures associated with soil vapor intrusion. Methods to mitigate exposures related to soil vapor intrusion are described in Section 4 of the NYSDOH guidance.
- Monitor / Mitigate: Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

The details of the comparison of the soil vapor and indoor air results in the NYSDOH matrix are attached in Appendix D. Table 4 summarizes the results of the comparison of collocated soil vapor and indoor air concentrations at each sample location, and indicate the need for responses to the concentrations of VOCs in sub-slab and indoor air analytical results.

Table 4: Summary of the Application of New York State Department of Health Guidance/Decision Matrix for Further Action for Soil Vapor Intrusion

Location ID **/ Analyte**	**Soil Vapor Concentration ($\mu g/m^3$)**	**Indoor Air Concentration ($\mu g/m^3$)**	**New York State Department of Health Guidance/Decision Matrix Outcome[1]**
AR5 / SV5 (Building 201)			
1,1,1-Trichlorethane	0.655	0.109 U	No further action
Carbon Tetrachloride	70.5	0.591	Monitor / Mitigate
Tetrachloroethene	0.163 J	0.136 U	No further action
Trichloroethene	0.183 J	0.107 U	No further action

Location ID / Analyte	Soil Vapor Concentration (µg/m^3)	Indoor Air Concentration (µg/m^3)	New York State Department of Health Guidance/Decision Matrix Outcome[1]
AR6 / SV6 (Building 201)			
1,1,1-Trichlorethane	2.75	0.06 J	No further action
Carbon Tetrachloride	1.59	1.79	Take reasonable and practical actions
Tetrachloroethene	0.163 J	0.136 U	No further action
Trichloroethene	1.26	0.597	Take reasonable and practical actions
AR7 / SV7 (Building 201)			
1,1,1-Trichlorethane	1.8	0.038 J	No further action
Carbon Tetrachloride	1,620	4.22	Mitigate
Tetrachloroethene	1.36 U	0.136 U	No further action
Trichloroethene	1.07 U	0.059 J	No further action
AR8 / SV8 (Building 203)			
1,1,1-Trichlorethane	687	1.29	Monitor
Carbon Tetrachloride	2,130	3.45	Mitigate
Tetrachloroethene	1.36 U	0.495	No further action
Trichloroethene	1.29	1.3	Take reasonable and practical actions
AR9 / SV9 (Building 203)			
1,1,1-Trichlorethane	61.1	0.355	No further action
Carbon Tetrachloride	49.8	0.679	Monitor
Tetrachloroethene	0.407 J	0.414	No further action
Trichloroethene	2.47	1.57	Take reasonable and practical actions
AR10 / SV10 (Building 203)			
1,1,1-Trichlorethane	17.8	0.398	No further action
Carbon Tetrachloride	5.24	0.66	Monitor
Tetrachloroethene	1.13	1.44	No further action
Trichloroethene	23	2.52	Monitor
AR11 / SV11 (Building 202)			
1,1,1-Trichlorethane	91.1	0.682	No further action
Carbon Tetrachloride	160	3.85	Mitigate
Tetrachloroethene	0.292	0.21	No further action
Trichloroethene	0.081 J	0.107 U	No further action
SV12 (Building 202)			
1,1,1-Trichlorethane	69.3	Not Available	Take reasonable and practical action[4]
Carbon Tetrachloride	881	Not Available	Mitigate[2]
Tetrachloroethene	0.678	Not Available	Take reasonable and practical actions[4]
Trichloroethene	0.296	Not Available	Take reasonable and practical actions[3]

Location ID / Analyte	Soil Vapor Concentration (µg/m^3)	Indoor Air Concentration (µg/m^3)	New York State Department of Health Guidance/Decision Matrix Outcome[1]
SV13 (Building 204)			
1,1,1-Trichlorethane	9.17	Not Available	Take reasonable and practical actions[4]
Carbon Tetrachloride	550	Not Available	Mitigate[2]
Tetrachloroethene	1.83	Not Available	Take reasonable and practical actions[4]
Trichloroethene	1,320	Not Available	Mitigate[2]
AR14 / SV14 (Building 204)			
1,1,1-Trichlorethane	0.376	0.076 J	No further action
Carbon Tetrachloride	1.26	0.453	No further action
Tetrachloroethene	0.563	0.19	No further action
Trichloroethene	27.4	0.613	Monitor
AR15 / SV15 (Building 204)			
1,1,1-Trichlorethane	0.157	0.071 J	No further action
Carbon Tetrachloride	2.25	0.591	Monitor
Tetrachloroethene	0.229	0.271	No further action
Trichloroethene	0.343	0.607	Monitor

µg/m^3: micrograms per cubic meter

U - Qualifier denotes non-detect.

J - Qualifier denotes estimated value.

1: Based on *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, New York State Department of Health matrices. µg/m^3: Micrograms per cubic meter

2: Two soil vapor sample locations (SV12 and SV13) did not have corresponding indoor air samples to allow for comparison using the NYSDOH matrix. However, NYSDOH Matrix 1 (applicable to CT and TCE) indicates that a soil vapor concentration greater than 250 µg/m^3 results in a mitigation recommendation, for even the lowest corresponding VOC indoor air concentration.

3: Two soil vapor sample locations (SV12 and SV13) did not have corresponding indoor air samples to allow for comparison using the NYSDOH matrix. However, NYSDOH Matrix 1 (applicable to CT and TCE) indicates that a soil vapor concentration less than 5 µg/m^3 could result in no worse than a "take reasonable and practical actions" recommendation, for even the highest corresponding VOC indoor air concentration.

4: Two soil vapor sample locations (SV12 and SV13) did not have corresponding indoor air samples to allow for comparison using the NYSDOH matrix. However, NYSDOH Matrix 2 (applicable to PCE and 1,1,1-TCA) indicates that a soil vapor concentration less than 100 µg/m^3 could result in no worse than a "take reasonable and practical actions" recommendation, for even the highest corresponding VOC indoor air concentration.

Only the results for CT resulted in concentrations recommended for monitoring or mitigation at location SV05/AR05, and for mitigation at locations SV07/AR07, SV08/AR08, and SV11/AR11. These locations are in the office and warehouse areas of Building 201, the unoccupied office area of Building 202, and the office area of Building 203. These locations are generally consistent with the current understanding of the location of the CT plume, which passes beneath the eastern end of Building 201, the center of Building 202, and the western ends of Buildings 203 and 204. Only location SV05/AR05 does not appear to overlie the CT plume.

Based on the above results, mitigation is recommended in the following areas:

- The eastern end and center of Building 201;
- All of Building 202;
- The center of Building 203; and

- The active manufacturing area of Building 204.

Figure 8 depicts the relative positions of NYSDOH recommendations. Since no products containing CT were identified in any of the buildings during the Pre-Sampling Building Survey and Inventory, and soil vapor concentrations of CT generally exceed indoor air concentrations, it can be concluded that all mitigation recommendations in the buildings are driven by CT impacts from soil vapor intrusion. Descriptions of potential mitigation activities, including cost estimates, are included in Section 7.

Carbon tetrachloride concentrations resulted in recommendations for monitoring or mitigation at location SV05/AR05, and for monitoring at locations SV09/AR09, SV10/AR10, and SV15/AR15. 1,1,1-TCA concentrations resulted in recommendations for monitoring at location SV08/AR08, and TCE concentrations resulted in recommendations for monitoring at locations SV10/AR10, SV14/AR14, and SV15/AR15. In summary, soil vapor and indoor air monitoring is recommended for locations SV08/AR08, SV09/AR09, SV10/AR10, SV14/AR14, and SV15/AR15. Descriptions of potential monitoring activities, including cost estimates, are included in Section 7.

Based on the above results, monitoring is recommended in the following areas:

- The office area of Building 201;
- All of Building 203; and
- All of Building 204.

7. REFERENCES

Malcolm Pirnie, Inc., 2010. *Feasibility Study Report, Former Scotia Naval Depot, Town of Glenville, New York.* March.

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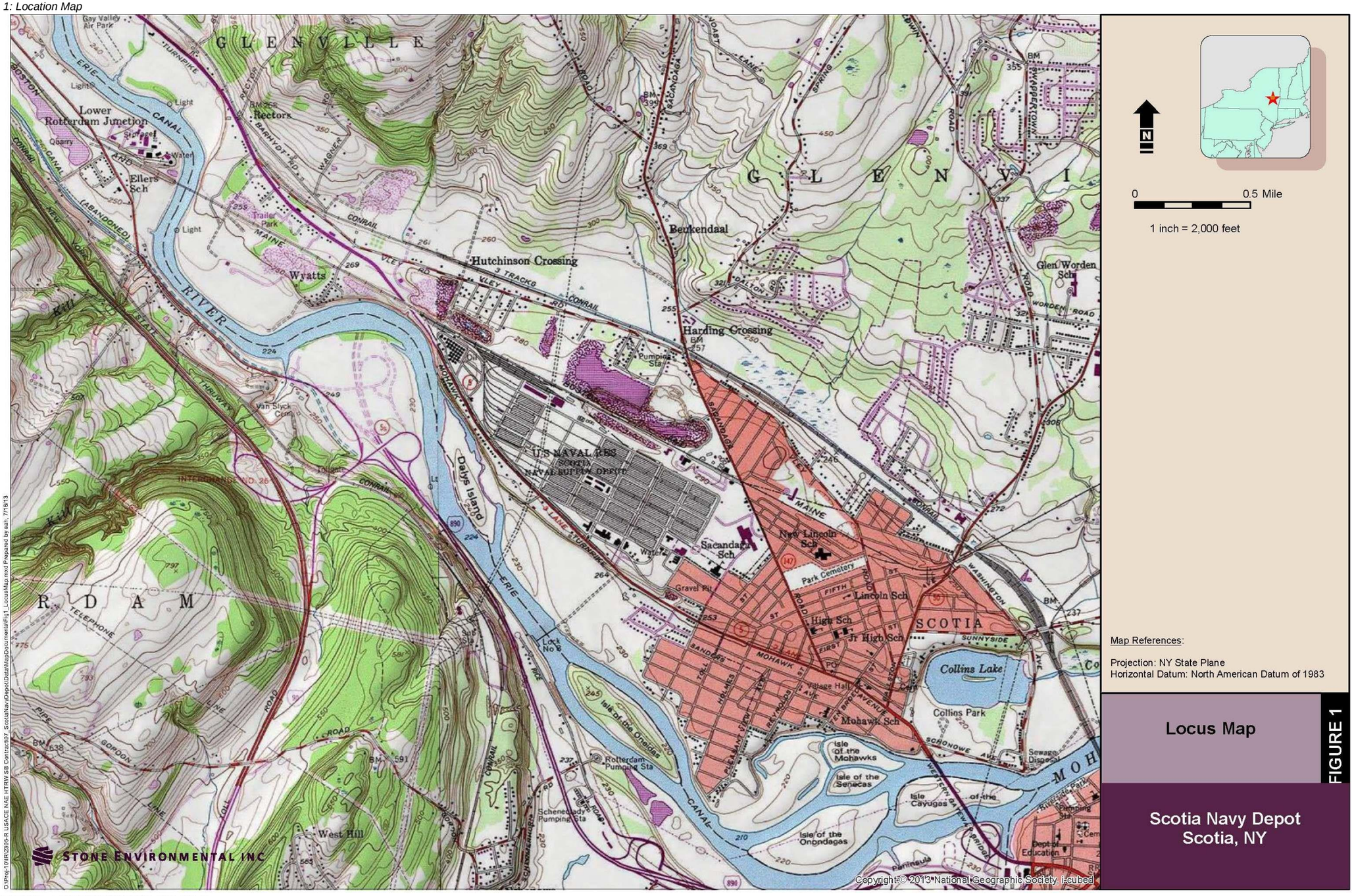
FIGURES

Figure 1: Location Map



Map References:

Projection: NY State Plane
Horizontal Datum: North American Datum of 1983

Locus Map

FIGURE 1

Scotia Navy Depot
Scotia, NY

O:\Proj-10\R2305-R.USACE.NAE-HTRW-SB Contract\07_Scotia\Navy\Depot\Data\Map\Documents\Fig1_LocusMap.mxd Prepared by sah, 7/18/13

STONE ENVIRONMENTAL INC

Figure 2: Soil Vapor / Indoor Air Sample Location Map

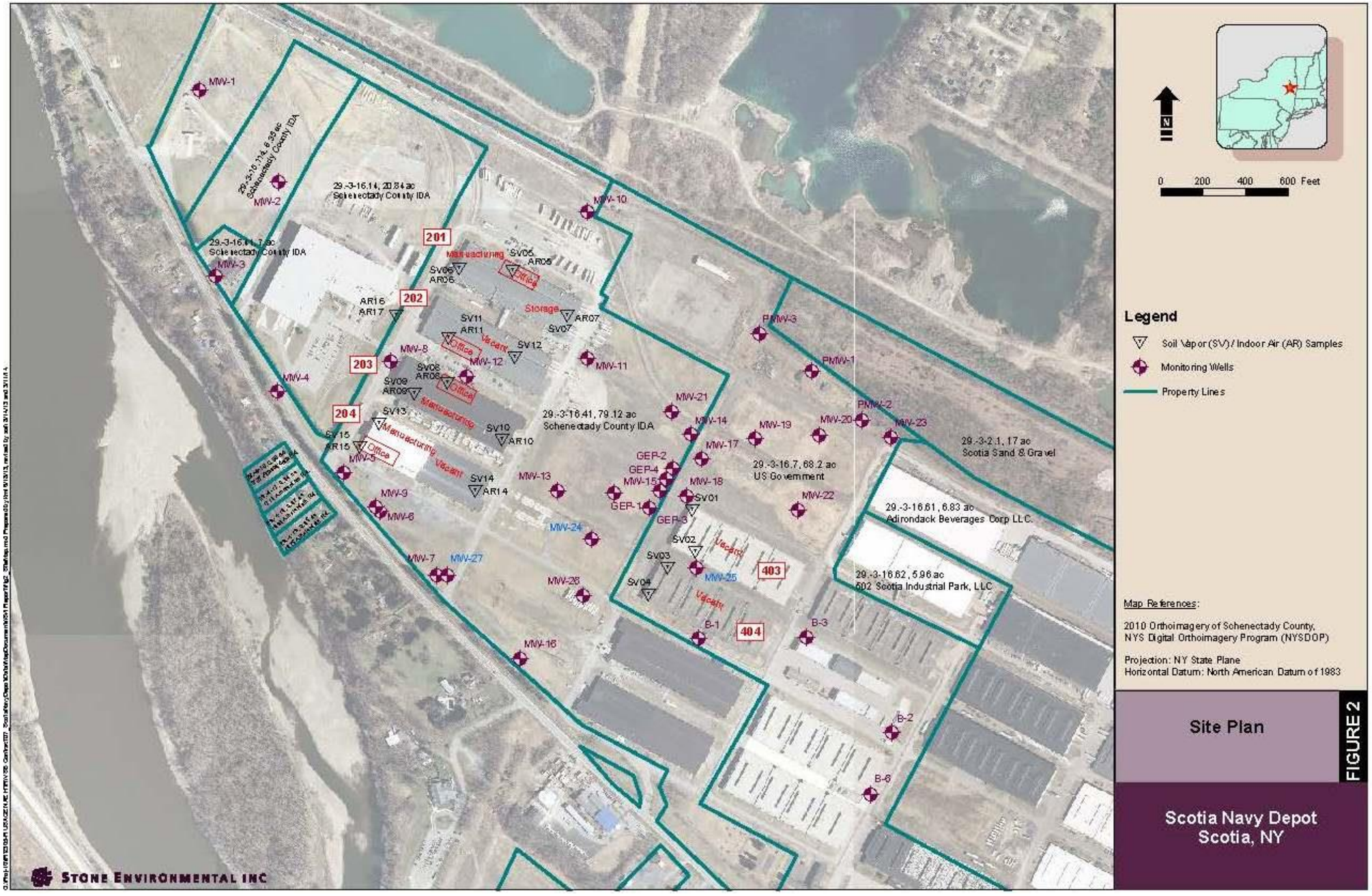


Figure 3: Groundwater Plume Location Map

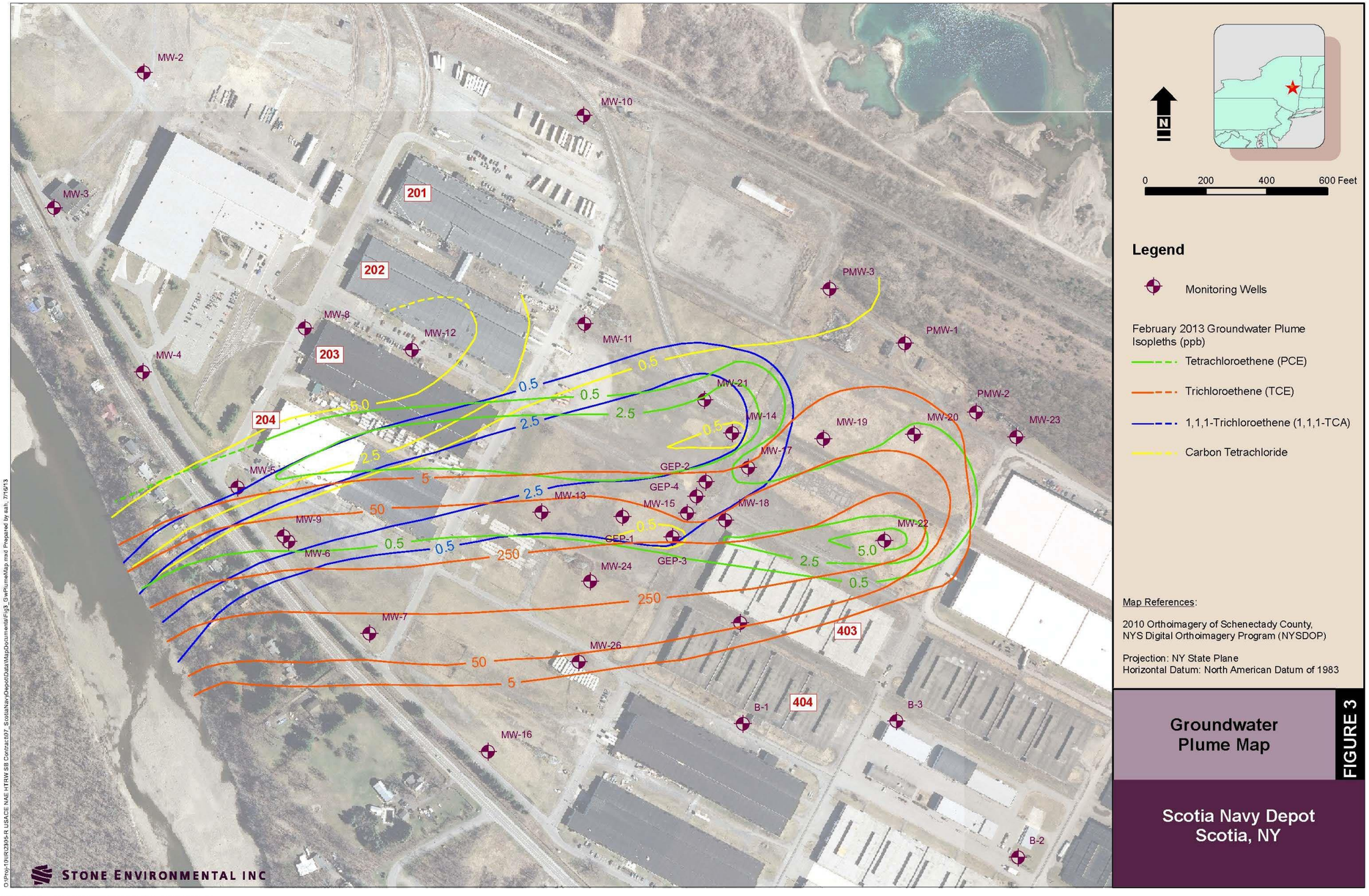


Figure 4: Carbon Tetrachloride Sub-Slab Soil Vapor Concentration Map

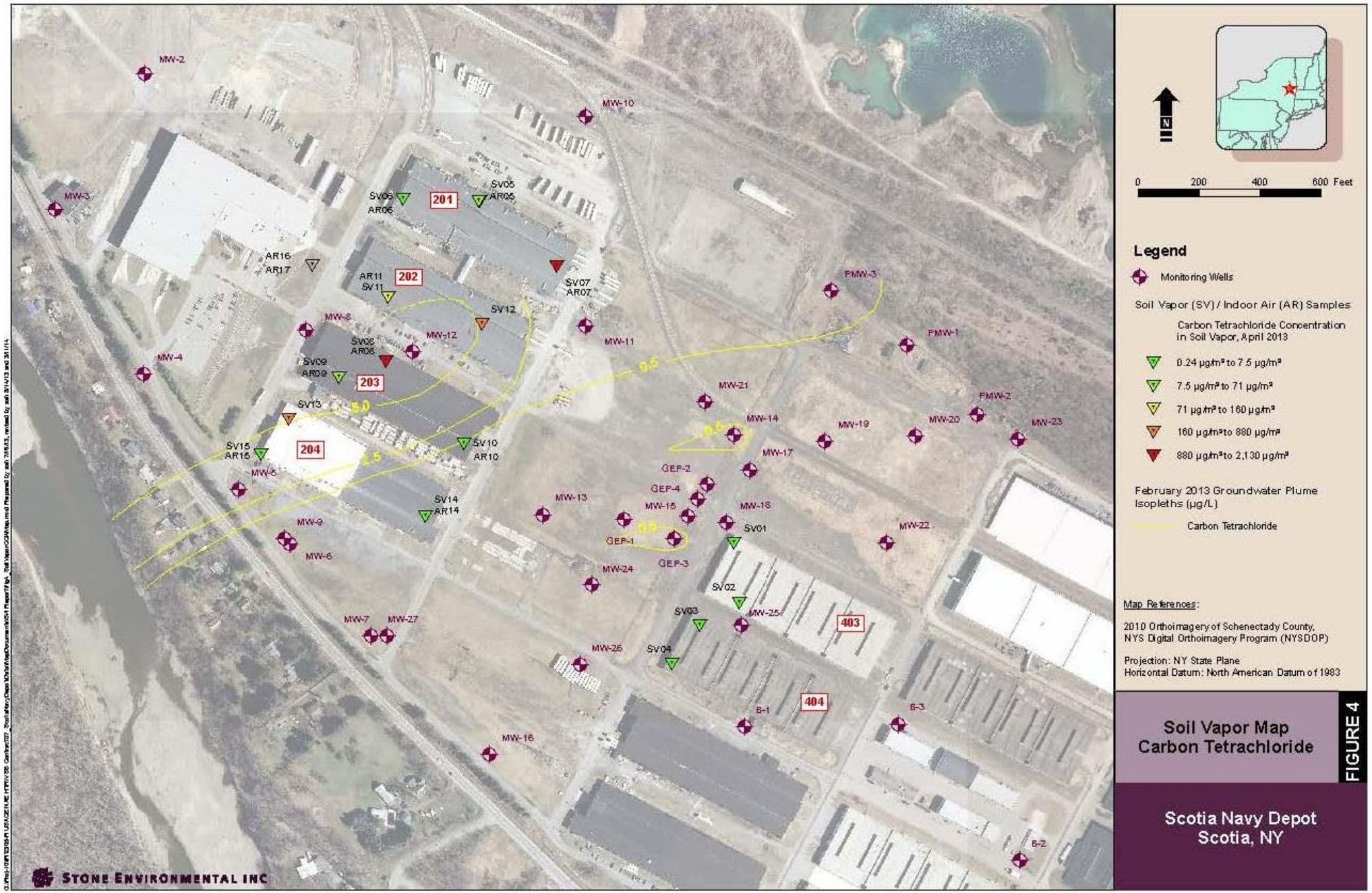


Figure 5: 1,1,1-Trichloroethane Sub-Slab Soil Vapor Concentration Map

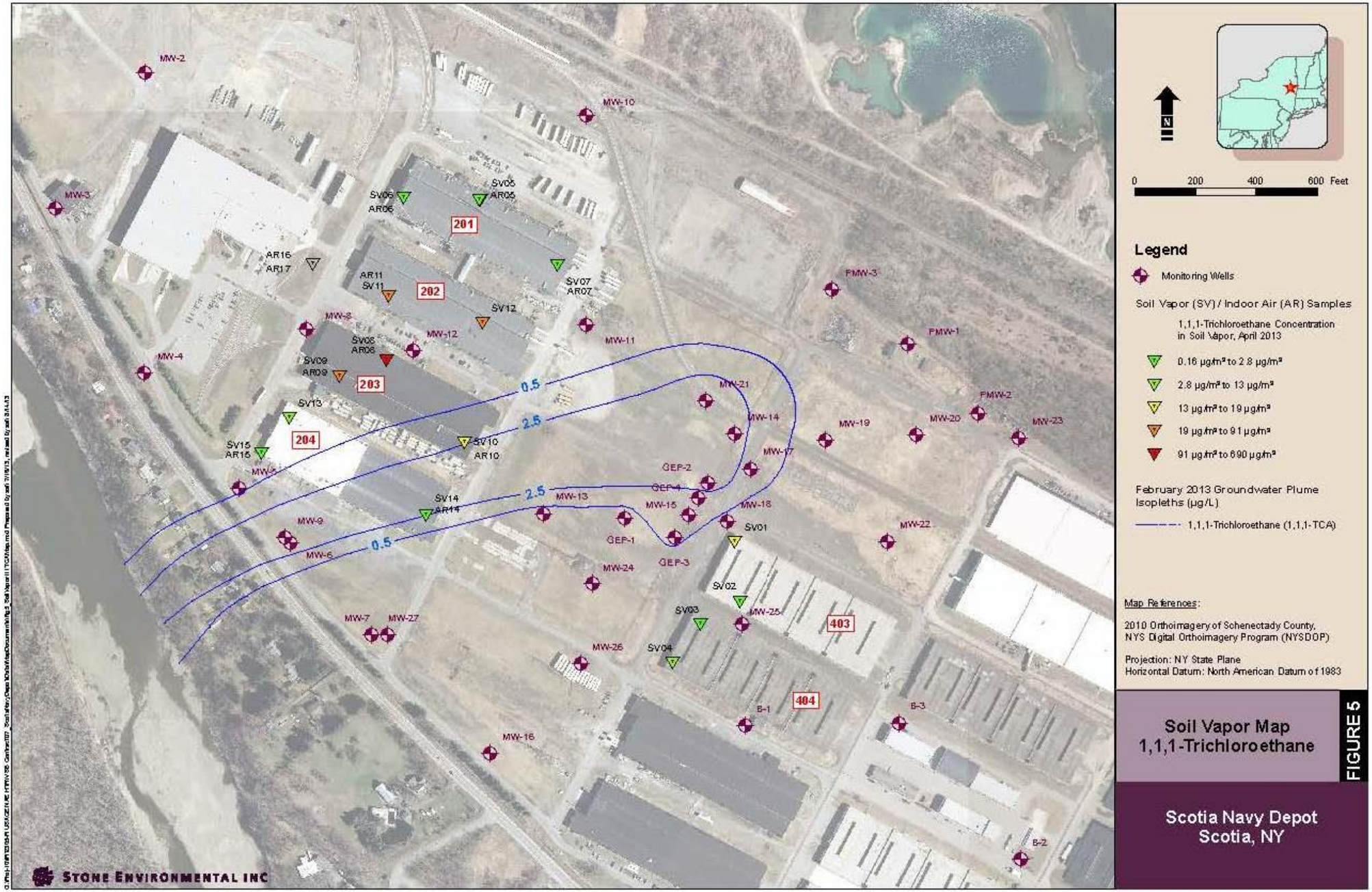
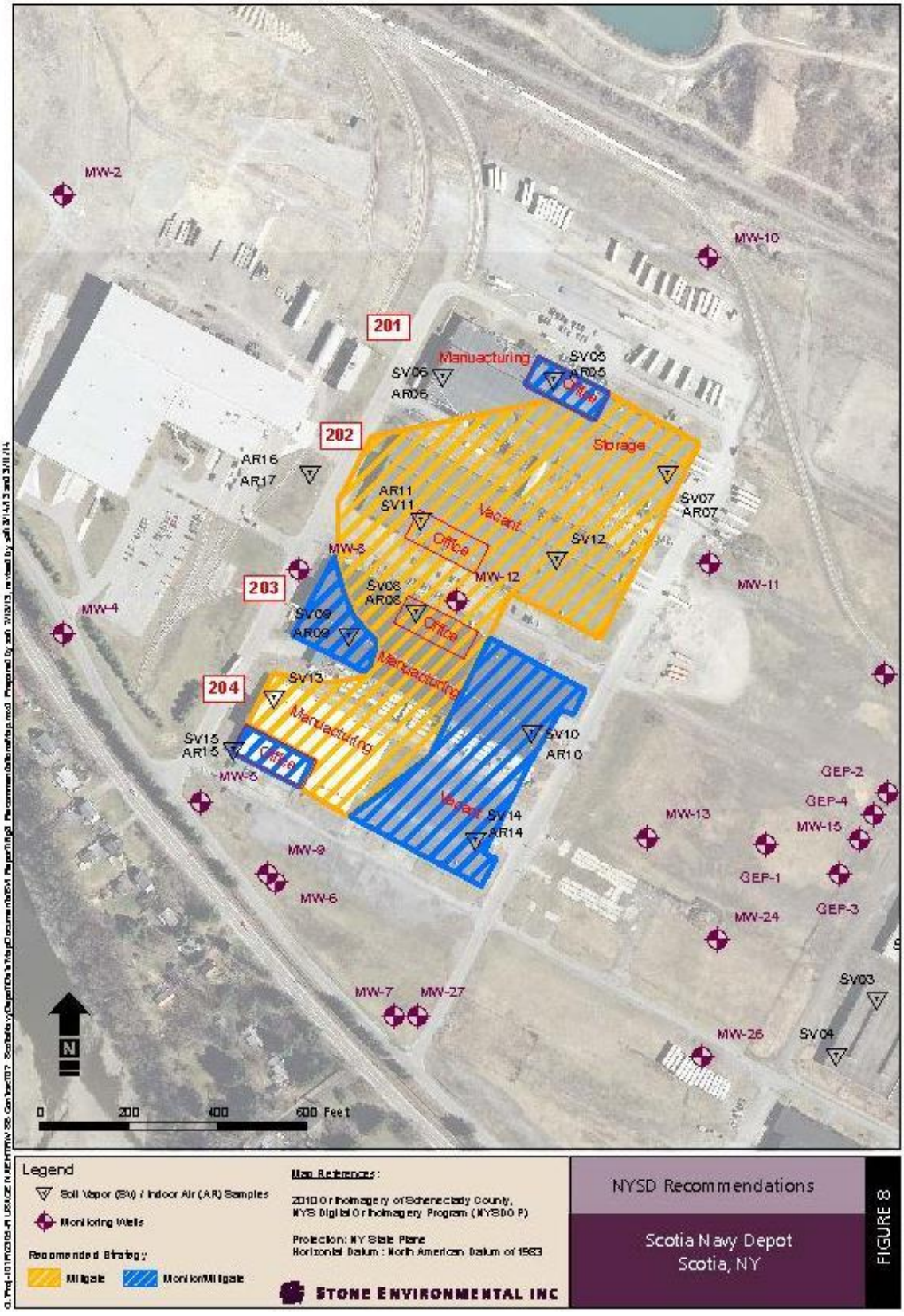


Figure 6: Tetrachloroethene Sub-Slab Soil Vapor Concentration Map

Figure 7: Trichloroethene Sub-Slab Soil Vapor Concentration Map

Figure 8: Soil Vapor Intrusion Recommendation Map



STONE ENVIRONMENTAL INC

APPENDICES

APPENDIX A: SOIL VAPOR INVESTIGATION FIELD SURVEY AND INVENTORY SHEETS

Stone Environmental, Inc.

Indoor Air Quality Questionnaire & Building Inventory

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Daniel Voisin Date/Time Prepared: 3/8/13

Preparer's Affiliation: Stone Environmental, Inc. Phone No: (802) 229-1875

Purpose of Investigation: Scotia Naval Depot Soil Vapor Intrusion Investigation

Project # 102305-R-07 Project Title: Scotia Naval Depot Pre-Remedial Design Investigation

Address: Building 201 Other:

1a. OCCUPANT 1

Interviewed: Y ☐ N ☑

Company Name Sealed Air Corporation

Point of Contact: Stephan Henes Title: Plant Manager

Address: Building 201, A Street, Scotia, NY 12303

Home Phone: Office Phone: 518-370-1693

Number of Occupants/persons at this location ~6 Age of Occupants >18

2. OWNER OR LANDLORD: (check if same as occupant___)

Interviewed: Y ☑ N ☐

Company Name Galesi Group

Point of Contact: David Ahl Title: Vice President, Industrial Parks Division

Address: 695 Rotterdam Industrial Park, Schenectady, New York 12306

Home Phone: Office Phone: 518-356-4445

3. BUILDING CHARACTERISTICS

Type of Building: (Check as many as appropriate)

☐ Residential ☐ School ☐ Commercial/Multi-use

☑ Industrial ☐ Church ☐ Other:

If the property is residential, type? (Check as many as appropriate)

☐ Ranch ☐ 2-Family ☐ 3-Family

☐ Raised Ranch	☐ Split Level	☐ Colonial
☐ Cape Cod	☐ Contemporary	☐ Mobile Home
☐ Duplex	☐ Apartment House	☐ Townhouses/Condos
☐ Modular	☐ Log Home	☐ Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Manufacturing of packaging materials

Does it include residences (i.e., multi-use)? Y ☐ N ☑ If yes, how many? _____

Other Characteristics:

Number of floors 1 Building age 1940s

Is the building insulated? Y ☑ N ☐ How air tight? ☐ Tight ☑ Average ☐ Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Building is constructed with a large warehouse. Appears to have decent tightness. Office portion of the building is effectively sealed from the warehouse.

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS Section Not Applicable ☐

a. Above grade construction:	☑	Wood frame	☐	Concrete	☐	Stone	☐	Brick
b. Basement type:	☐	Full	☐	Crawlspace	☐	Slab	☐	other
c. Basement floor:	☐	Concrete	☐	Dirt	☐	Stone	☐	other
	☐	Uncovered	☐	Covered	☐	Covered with:		
d. Concrete floor:	☐	Unsealed	☐	Sealed	Sealed with:			
e. Foundation walls:	☐	Poured	☐	Block	☐	Stone	☐	other:
	☐	Unsealed	☐	Sealed	☐	Sealed with:		
f. The basement is:	☐	Wet	☐	Damp	☐	Dry	☐	Moldy
	☐	Finished	☐	Unfinished	☐	Partially finished		
g. Sump present?	☐	Yes	☐	No				
h. Water in sump?	☐	Yes	☐	No	☐	Not Applicable		

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)
Cracks in slab throughout building. There are also expansion joints throughout the slab.

6. HEATING, VENTING, and AIR CONDITIONING (check all that apply)

Type of heating system(s) used in this building: (note primary)

☑	Hot air circulation	☐	Heat pump	☐	Hot water baseboard		
☐	Space heaters	☐	Steam radiation	☐	Radiant floor		
☐	Electric baseboard	☐	Wood stove	☐	Outdoor wood boiler	☐	other

Primary type of fuel used is:

☑	Natural Gas	☐	Fuel Oil	☐	Kerosene
☐	Electric	☐	Propane	☐	Solar
☐	Wood	☐	Coal	☐	

Domestic hot water tank fueled by: None

Boiler/furnace located in: ☐ Basement ☐ Outdoors ☐ Main floor ☑ Other None

Air conditioning: ☑ Central Air ☐ Window units ☐ Open windows ☑ None

Are there air distribution ducts present? Y ☑ N ☐, Ducts are not active

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.
There are air ducts in the office for the AC and heat. AC unit is located on the roof.

7. OCCUPANCY

Is basement/lowest level occupied? ☑ Full time ☐ Occasionally ☐ Seldom ☐ Almost Never

Level	General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)
Basement	
1st floor	Offices, maintenance shop, manufacturing area, warehouse, utility room.
2nd floor	
3rd floor	
4th floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

Is there an attached garage?	☑	Yes	☐	No	
Does the garage have a separate heating unit?	☐	Yes	☑	No	
Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	☑	Yes	☐	No	Where:
Has the building ever had a fire?	☐	Yes	☑	No	When:
Is a kerosene or unvented gas space heater present?	☐	Yes	☑	No	When:
Is there a workshop or hobby/craft area?	☑	Yes	☐	No	Where:
Is there smoking in the building	☐	Yes	☑	No	How Frequent:
Have cleaning products been used recently?	☑	Yes	☐	No	When & Type:
Have cosmetic products been used recently?	☑	Yes	☐	No	When & Type:
Has painting/staining been done in the last 6 months?	☑	Yes	☐	No	Where:
Are there new carpet, drapes, or other textiles?	☐	Yes	☑	No	When & Where:
Have air fresheners been used recently?	☑	Yes	☐	No	Where & Type

Is there a kitchen exhaust fan?	☑	Yes	☐	No	Where Vented:	
Is there a bathroom exhaust fan?	☑	Yes	☐	No	Where Vented:	
Is there a clothes dryer?	☐	Yes	☑	No	Where Vented:	
Has there been a pesticide application?	☑	Yes	☐	No	Where Vented:	Outside building
Are there odors in the building?	☐	Yes	☑	No		
If yes, please describe:						

Do any of the building occupants use solvents at work? Y ☑ N ☐
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what type of solvents are used? **Brake cleaners, penetrating oils, etc. See section 13**

If yes, are their clothes washed at work? Y ☐ N ☑

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

☐ Yes, use dry-cleaning regularly (weekly) ☑ No

☐ Yes, use dry-cleaning infrequently (monthly or less) ☐ Unknown

☐ Yes, work at a dry-cleaning service

9. WATER AND SEWAGE

Water Supply: ☑ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well ☐ Other: _____

Sewage Disposal: ☑ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☐ Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: Remain in home Relocate to friends/family Relocate to hotel/motel

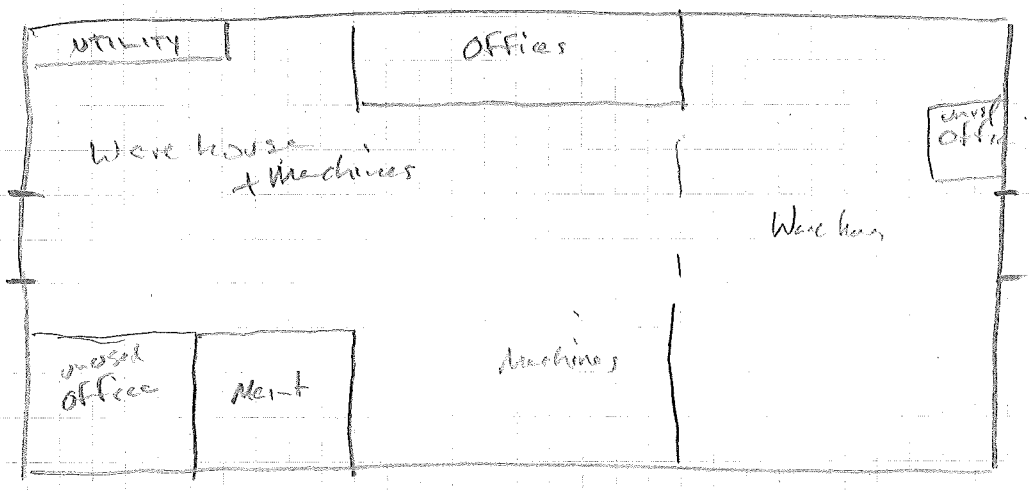
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

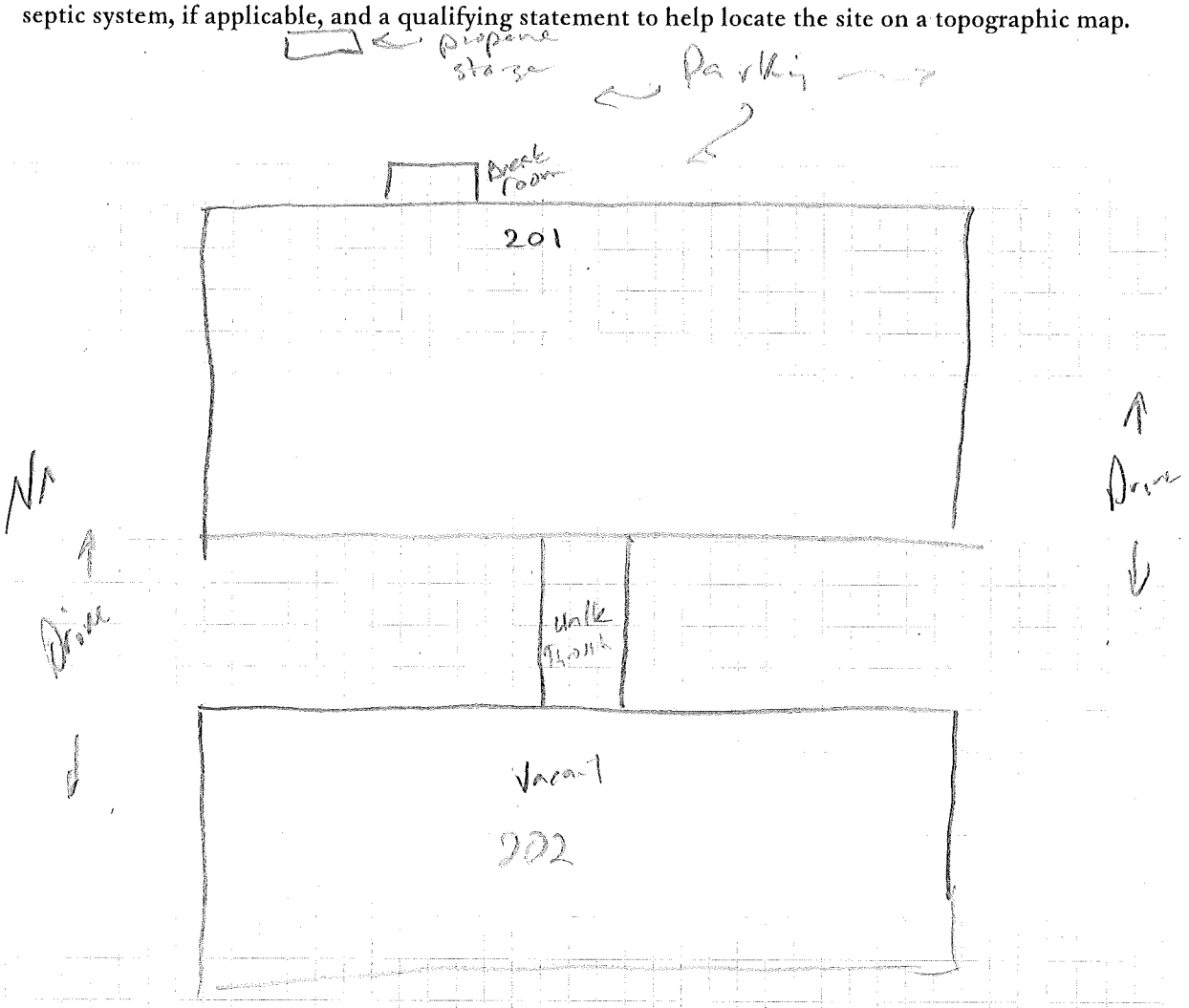


First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Material	Building	Area of Building	Location	Container Size	Number of Containers
Motor Oil	201	Maintenance/Custodial	Cabinet #1	quart	2
Glycerin	201	Maintenance/Custodial	Cabinet #1	pint	1
Eyewsh fluid	201	Maintenance/Custodial	Cabinet #1	quart	6
ConStar Nickel Safe Ice Machine Cleaner	201	Maintenance/Custodial	Cabinet #1	pint	2
Ideal NOALOX Antioxidant Joint Compound	201	Maintenance/Custodial	Cabinet #1	pint	3
Resbond™ 907 Fireproof Adhesive	201	Maintenance/Custodial	Cabinet #1	half gallon	1
BlueShield Pump Protector	201	Maintenance/Custodial	Cabinet #1	quart	1
Rema TipTop White Cement C320	201	Maintenance/Custodial	Cabinet #1	quart	1
Rema TipTop Black Cement SC2000	201	Maintenance/Custodial	Cabinet #1	quart	2
Fusion Systems RC Fusion Clean Rubber Cleaner	201	Maintenance/Custodial	Cabinet #1	quart	1
PVC Cement	201	Maintenance/Custodial	Cabinet #1	quart	1
2,5-Bis(tert-butylperoxyl)-2-5-dimethylhexane	201	Maintenance/Custodial	Cabinet #1	quart	1
Mobil SHC 629 Bearing & Gear Oil	201	Maintenance/Custodial	Cabinet #1	gallon	5
York Oil	201	Maintenance/Custodial	Cabinet #1	gallon	5
Shell Omala Oil 460	201	Maintenance/Custodial	Cabinet #1	gallon	5
Aldrich Chemical Triallyl-1,3,5-triazine-2,4,6-(1H, 3H, 5H)-trione	201	Maintenance/Custodial	Cabinet #1	quart	1
Mobil Grease HP	201	Maintenance/Custodial	Cabinet #1	gallon	1
Hydraulic Pump Oil	201	Maintenance/Custodial	Cabinet #1	quart	1
Mobil Vacuum Pump Oil	201	Maintenance/Custodial	Cabinet #1	quart	12
TapMagic Cutting Fluid	201	Maintenance/Custodial	Cabinet #1	gallon	5
Duratherm 600 Heat Transfer Fluid	201	Maintenance/Custodial	Cabinet #1	gallon	5
Lubriplate Oil	201	Maintenance/Custodial	Cabinet #1	gallon	1
Spears Blue 75 PVC Thread Sealant	201	Maintenance/Custodial	Cabinet #1		
Lubriplate Synthetic Worm Gear Lubricant	201	Maintenance/Custodial	Cabinet #1	quart	5
Molybdenum Grease	201	Maintenance/Custodial	Cabinet #1	quart	2
Gear Lube	201	Maintenance/Custodial	Cabinet #1	quart	8
PPE Synergy Blend Silicone Spray Mold Release	201	Maintenance/Custodial	Cabinet #1	12 ounce	2
Hose Assembly Lube	201	Maintenance/Custodial	Cabinet #1	pint	1
Roots Meter Oil	201	Maintenance/Custodial	Cabinet #1	gallon	1
Mobilgear Industrial Gear Oil	201	Maintenance/Custodial	Cabinet #1	gallon	3
Enerpac Hydraulic Oil	201	Maintenance/Custodial	Cabinet #1	gallon	1
Lithium grease	201	Maintenance/Custodial	Cabinet #2	1 gal	1
polyurethane	201	Maintenance/Custodial	Cabinet #2	1 gal	1
Mastic coating	201	Maintenance/Custodial	Cabinet #2	1 pint	10
Mastic coating	201	Maintenance/Custodial	Cabinet #2	1 gal	8
Alkyd enamel	201	Maintenance/Custodial	Cabinet #2	1 gal	14
laytex enamel	201	Maintenance/Custodial	Cabinet #2	1 gal	4
Non-chloro brake cleaner	201	Maintenance/Custodial	Cabinet #3	11 oz	1
Metal protector - TCE	201	Maintenance/Custodial	Cabinet #3	11 oz	2
spray enamel	201	Maintenance/Custodial	Cabinet #3	11 oz	14
Misty (brand) paint remover - Contains Methylene Chloride	201	Maintenance/Custodial	Cabinet #3	11 oz	1
Acrylic laytex	201	Maintenance/Custodial	Cabinet #3	1 gal	1
Penetrating oil	201	Maintenance/Custodial	Cabinet #3		4
Grease gun in a can - Contains PCE	201	Maintenance/Custodial	Cabinet #3	11 oz	1
enamel primer	201	Maintenance/Custodial	Cabinet #4	11 oz	6
enamel	201	Maintenance/Custodial	Cabinet #4	11 oz	22
3M high strength spray adhesive	201	Maintenance/Custodial	Cabinet #4	11 oz	17
3M Adhesive remover	201	Maintenance/Custodial	Cabinet #4	11 oz	1
polystyrene foam	201	Maintenance/Custodial	Cabinet #4	11 oz	1
LPS Edge Liquid	201	Maintenance/Custodial	Cabinet #4	16 oz	1
Raid Pesticide	201	Maintenance/Custodial	Cabinet #4	19 oz	9
Tap magic spray cutting fluid and liquid	201	Maintenance/Custodial	Cabinet #4	11 oz	1
PVC Cement and primer	201	Maintenance/Custodial	Cabinet #4	16 oz	3
PVC Cement and primer	201	Maintenance/Custodial	Cabinet #4	32 oz	4
Rubatex Adhesive	201	Maintenance/Custodial	Cabinet #4	16 oz	1
teflon thread sealant	201	Maintenance/Custodial	Cabinet #4	16 oz	5
Rustoleum thinner 633	201	Maintenance/Custodial	Cabinet #4	1 gal	1
Butchers Sundance floor cleaners	201	Maintenance/Custodial	Cabinet #4	1 gal	3
Smoke detector checker	201	Maintenance/Custodial	Cabinet #4	2.5 oz	2
Copper spray-a-sealant	201	Maintenance/Custodial	Cabinet #4	10 oz	2
Adhesive accelerator	201	Maintenance/Custodial	Cabinet #4	1.7 oz	5
spray marking paint	201	Maintenance/Custodial	Cabinet #4	11 oz	4
Ethox 2984	201	Maintenance/Custodial		55 gal	1
Microbiocide	201	Maintenance/Custodial		5 gal	5
Acon 9000 SP lubricant	201	Maintenance/Custodial		5 gal	2
Spray enamel	201	Maintenance/Custodial		11 oz	2
Blue max car detergent	201	Maintenance/Custodial		5 gal	1
ATF	201	Maintenance/Custodial		1 qt	1
EPO Grout	201	Maintenance/Custodial		1 gal	3
Spray paint	201	Maintenance/Custodial		11 oz	6
Insecticide	201	Maintenance/Custodial		11 oz	1
Pen-Rust	201	Maintenance/Custodial		1 gal	3
Pine oil	201	Maintenance/Custodial			1
5W40	201	Maintenance/Custodial		1 qt	9
antifreeze	201	Maintenance/Custodial		1 gal	3
Aeon compressor oil	201	Maintenance/Custodial		5 gal	2
Rotelle T 15W40 motor oil	201	Maintenance/Custodial		5 gal	1
Argon	201	Maintenance/Custodial		compressed gas cylinder	1
oxygen	201	Maintenance/Custodial		compressed gas cylinder	1
carbon dioxide	201	Maintenance/Custodial		compressed gas cylinder	1
antifreeze	201	Shipping and Receiving		55 gal	1

Material	Building	Area of Building	Location	Container Size	Number of Containers
Shell morline oil	201	Shipping and Receiving		55 gal	1
Sheritherm heat transfer fluid	201	Shipping and Receiving		55 gal	2
Sheritherm heat transfer fluid	201	Shipping and Receiving		60 gal	1
Omaha gear oil 150	201	Shipping and Receiving		60 gal	1
Tellus Oil 32	201	Shipping and Receiving		60 gal	1
Tellus Oil 68	201	Shipping and Receiving		60 gal	1
Spindle oil 68	201	Shipping and Receiving		60 gal	1
Omaha oil 220	201	Shipping and Receiving		60 gal	1
Omaha oil 100	201	Shipping and Receiving		60 gal	1
Oval Oil 320	201	Shipping and Receiving		60 gal	1

Stone Environmental, Inc.

Indoor Air Quality Questionnaire & Building Inventory

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Daniel Voisin | Date/Time Prepared: 3/8/13

Preparer's Affiliation: Stone Environmental, Inc. | Phone No: (802) 229-1875

Purpose of Investigation: Scotia Naval Depot Soil Vapor Intrusion Investigation

Project # 102305-R-07 | Project Title: Scotia Naval Depot Pre-Remedial Design Investigation

Address: Building 202 | Other:

1a. OCCUPANT 1

Interviewed: Y ☐ N ☑

Company Name: Sealed Air Corporation

Point of Contact: Stephan Henes | Title: Plant Manager

Address: Building 201, A Street, Scotia, NY 12303

Home Phone: | Office Phone: 518-370-1693

Number of Occupants/persons at this location: None | Age of Occupants:

2. OWNER OR LANDLORD: (check if same as occupant___)

Interviewed: Y ☑ N ☐

Company Name: Galesi Group

Point of Contact: David Ahl | Title: Vice President, Industrial Parks Division

Address: 695 Rotterdam Industrial Park, Schenectady, New York 12306

Home Phone: | Office Phone: 518-356-4445

3. BUILDING CHARACTERISTICS

Type of Building: (Check as many as appropriate)

☐ Residential ☐ School ☐ Commercial/Multi-use

☑ Industrial ☐ Church ☐ Other:

If the property is residential, type? (Check as many as appropriate)

☐ Ranch ☐ 2-Family ☐ 3-Family

☐ Raised Ranch	☐ Split Level	☐ Colonial
☐ Cape Cod	☐ Contemporary	☐ Mobile Home
☐ Duplex	☐ Apartment House	☐ Townhouses/Condos
☐ Modular	☐ Log Home	☐ Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Vacant

Does it include residences (i.e., multi-use)? Y ☐ N ☑ If yes, how many? _____

Other Characteristics:

Number of floors 1 Building age 1940s

Is the building insulated? Y ☑ N ☐ How air tight? ☐ Tight ☑ Average ☐ Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Building is constructed with a large warehouse. Appears to have decent tightness.

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS Section Not Applicable ☐

a. Above grade construction:	☑	Wood frame	☐	Concrete	☐	Stone	☐	Brick
b. Basement type:	☐	Full	☐	Crawlspace	☐	Slab	☐	other
c. Basement floor:	☐	Concrete	☐	Dirt	☐	Stone	☐	other
	☐	Uncovered	☐	Covered	☐	Covered with:		
d. Concrete floor:	☐	Unsealed	☐	Sealed	Sealed with:			
e. Foundation walls:	☐	Poured	☐	Block	☐	Stone	☐	other:
	☐	Unsealed	☐	Sealed	☐	Sealed with:		
f. The basement is:	☐	Wet	☐	Damp	☐	Dry	☐	Moldy
	☐	Finished	☐	Unfinished	☐	Partially finished		
g. Sump present?	☐	Yes	☐	No				
h. Water in sump?	☐	Yes	☐	No	☐	Not Applicable		

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)
Cracks in slab throughout building

6. HEATING, VENTING, and AIR CONDITIONING (check all that apply)

Type of heating system(s) used in this building: (note primary)

☐ Hot air circulation ☐ Heat pump ☐ Hot water baseboard
☐ Space heaters ☐ Steam radiation ☐ Radiant floor
☐ Electric baseboard ☐ Wood stove ☐ Outdoor wood boiler ☑ other None

Primary type of fuel used is:

☑ Natural Gas ☐ Fuel Oil ☐ Kerosene
☐ Electric ☐ Propane ☐ Solar
☐ Wood ☐ Coal ☐

Domestic hot water tank fueled by: None

Boiler/furnace located in: ☐ Basement ☐ Outdoors ☐ Main floor ☑ Other None
Air conditioning: ☐ Central Air ☐ Window units ☐ Open windows ☑ None
Are there air distribution ducts present? Y ☑ N ☐, Ducts are not active

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? ☐ Full time ☐ Occasionally ☐ Seldom ☐ Almost Never

Level	General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)
Basement	
1st floor	Vacant warehouse
2nd floor	
3rd floor	
4th floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

Is there an attached garage?	☐	Yes	☑	No	
Does the garage have a separate heating unit?	☐	Yes	☐	No	
Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	☐	Yes	☐	No	Where:
Has the building ever had a fire?	☐	Yes	☑	No	When:
Is a kerosene or unvented gas space heater present?	☐	Yes	☑	No	When:
Is there a workshop or hobby/craft area?	☐	Yes	☑	No	Where:
Is there smoking in the building	☐	Yes	☑	No	How Frequent:
Have cleaning products been used recently?	☐	Yes	☑	No	When & Type:
Have cosmetic products been used recently?	☐	Yes	☑	No	When & Type:
Has painting/staining been done in the last 6 months?	☐	Yes	☑	No	Where:
Are there new carpet, drapes, or other textiles?	☐	Yes	☑	No	When & Where:
Have air fresheners been used recently?	☐	Yes	☑	No	Where & Type

Is there a kitchen exhaust fan?	☐	Yes	☑	No	Where Vented:	
Is there a bathroom exhaust fan?	☐	Yes	☑	No	Where Vented:	
Is there a clothes dryer?	☐	Yes	☑	No	Where Vented:	
Has there been a pesticide application?	☑	Yes	☐	No	Where Vented:	Outside building
Are there odors in the building?	☐	Yes	☑	No		
If yes, please describe:						

Do any of the building occupants use solvents at work? Y ☐ N ☑
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what type of solvents are used? _____

If yes, are their clothes washed at work? Y ☐ N ☐

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

☐ Yes, use dry-cleaning regularly (weekly) ☑ No

☐ Yes, use dry-cleaning infrequently (monthly or less) ☐ Unknown

☐ Yes, work at a dry-cleaning service

9. WATER AND SEWAGE

Water Supply: ☑ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well ☐ Other: _____

Sewage Disposal: ☑ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☐ Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: Remain in home Relocate to friends/family Relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

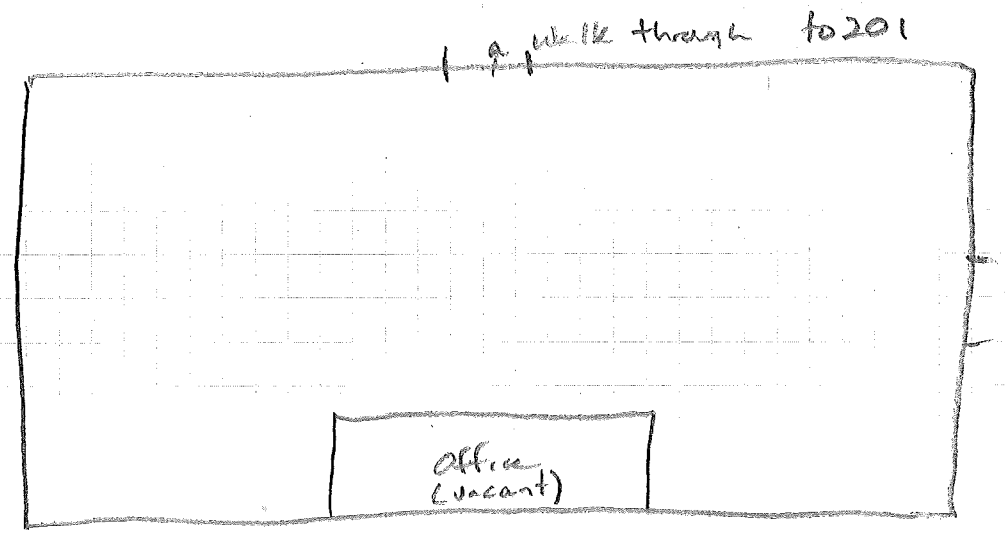
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

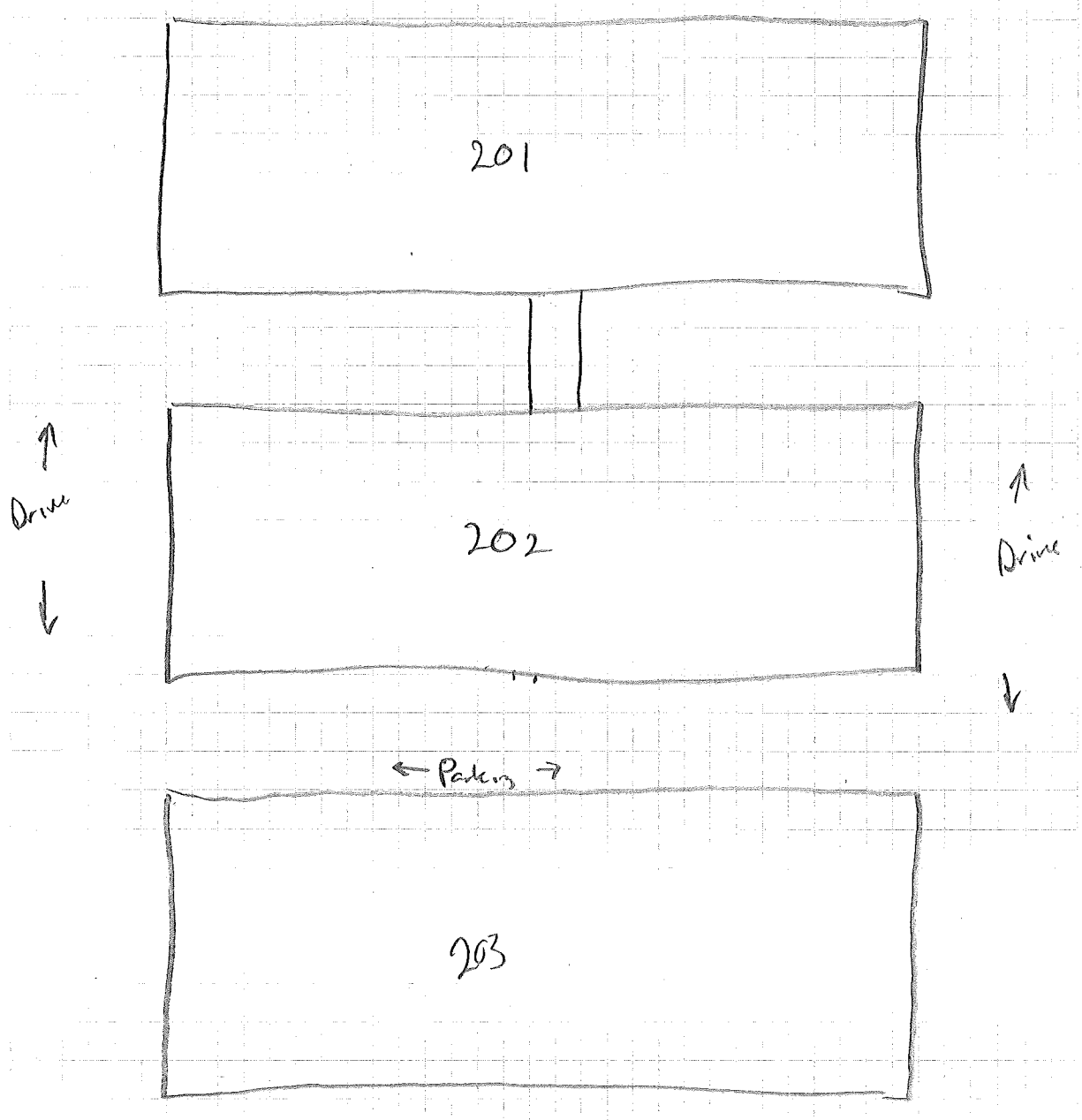
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. Product Information Form

Field Screening Performed: Yes: ☐ No: ☑ If yes, make and model of instrument used _____

List Specific Products found in the structure that have the potential to affect indoor air quality.

Location	Product Description	Size/ Vol.	Quant.	Condition	Relevant ingredients	PID/ FID	Photo (Y/N)
	None. Building Vacant						

Stone Environmental, Inc.

Indoor Air Quality Questionnaire & Building Inventory

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Daniel Voisin Date/Time Prepared: 3/8/13; 11:30

Preparer's Affiliation: Stone Environmental, Inc. Phone No: (802) 229-1875

Purpose of Investigation: Scotia Naval Depot Soil Vapor Intrusion Investigation

Project # 102305-R-07 Project Title: Scotia Naval Depot Pre-Remedial Design Investigation

Address: Building 203 Other:

1a. OCCUPANT 1

Interviewed: Y ☐ N ☑

Company Name Nefab Packaging, Inc.

Point of Contact: Paul Frisch Title:

Address: Building 203, Scotia Glenville Industrial Park, Scotia, NY 12303

Home Phone: Office Phone: 518-346-9105

Number of Occupants/persons at this location 6 in office, 20 in Mfg. Area Age of Occupants >18

2. OWNER OR LANDLORD: (check if same as occupant___)

Interviewed: Y ☑ N ☐

Company Name Galesi Group

Point of Contact: David Ahl Title: Vice President, Industrial Parks Division

Address: 695 Rotterdam Industrial Park, Schenectady, New York 12306

Home Phone: Office Phone: 518-356-4445

3. BUILDING CHARACTERISTICS

Type of Building: (Check as many as appropriate)

☐ Residential ☐ School ☐ Commercial/Multi-use

☑ Industrial ☐ Church ☐ Other:

If the property is residential, type? (Check as many as appropriate)

☐ Ranch ☐ 2-Family ☐ 3-Family

☐ Raised Ranch	☐ Split Level	☐ Colonial
☐ Cape Cod	☐ Contemporary	☐ Mobile Home
☐ Duplex	☐ Apartment House	☐ Townhouses/Condos
☐ Modular	☐ Log Home	☐ Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Manufacturing of shipping containers (wood)

Does it include residences (i.e., multi-use)? Y ☐ N ☑ If yes, how many? _____

Other Characteristics:

Number of floors 1 Building age 1940s

Is the building insulated? Y ☑ N ☑ How air tight? ☑ Tight ☐ Average ☑ Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Building is constructed with a large warehouse that is unheated and often has open shipping bay and/or garage doors. Office Area is relatively tight and separated from warehouse by exterior grade doors.

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS Section Not Applicable ☐

a. Above grade construction:	☑	Wood frame	☑	Concrete - Block walls	☐	Stone	☐	Brick	
b. Basement type: NA	☐	Full	☐	Crawlspace	☐	Slab	☐	other	
c. Basement floor:	☐	Concrete	☐	Dirt	☐	Stone	☐	other	
NA	☐	Uncovered	☐	Covered	☐	Covered with:			
d. Concrete floor:	☒	Unsealed	☐	Sealed	Sealed with:				
e. Foundation walls:	☐	Poured	☐	Block	☐	Stone	☐	other:	
NA	☐	Unsealed	☐	Sealed	☐	Sealed with:			
f. The basement is: NA	☐	Wet	☐	Damp	☐	Dry	☐	Moldy	
	☐	Finished	☐	Unfinished	☐	Partially finished			
g. Sump present? NA	☐	Yes	☐	No					
h. Water in sump? NA	☐	Yes	☐	No	☐	Not Applicable			

Basement/Lowest level depth below grade: NA (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Cracks in slab throughout

6. HEATING, VENTING, and AIR CONDITIONING (check all that apply)

Type of heating system(s) used in this building: (note primary) Roof top unit

☒	Hot air circulation	☐	Heat pump	☐	Hot water baseboard		
☐	Space heaters	☐	Steam radiation	☐	Radiant floor		
☐	Electric baseboard	☐	Wood stove	☐	Outdoor wood boiler	☐	other

Primary type of fuel used is:

☐	Natural Gas	☐	Fuel Oil	☐	Kerosene
☐	Electric	☒	Propane	☐	Solar
☐	Wood	☐	Coal	☐	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: ☐ Basement ☒ Outdoors ☐ Main floor ☐ Other

Air conditioning: ☒ Central Air ☐ Window units ☐ Open windows ☐ None

Are there air distribution ducts present? Y ☒ N ☐

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is ~~basement~~/lowest level occupied? ☒ Full time ☐ Occasionally ☐ Seldom ☐ Almost Never

Level	General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)
Basement	
1st floor	Offices, mill shop (wood working shop), warehousing.
2nd floor	
3rd floor	
4th floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

Is there an attached garage?	☑	Yes	☐	No		
Does the garage have a separate heating unit?	☐	Yes	☑	No		
Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	☑	Yes	☐	No	Where:	
Has the building ever had a fire?	☐	Yes	☑	No	When:	
Is a kerosene or unvented gas space heater present?	☐	Yes	☑	No	When:	
Is there a workshop or hobby/craft area?	☑	Yes	☐	No	Where:	There is a garage bay on the north side of the site.
Is there smoking in the building	☐	Yes	☑	No	How Frequent:	There is a designated smoking area just outside the building
Have cleaning products been used recently?	☑	Yes	☐	No	When & Type:	
Have cosmetic products been used recently?	☐	Yes	☐	No	When & Type:	
Has painting/staining been done in the last 6 months?	☑	Yes	☐	No	Where:	

Are there new carpet, drapes, or other textiles?	☐	Yes	☑	No	When & Where:	
Have air fresheners been used recently?	☑	Yes	☐	No	Where & Type	Office
Is there a kitchen exhaust fan?	☑	Yes	☐	No	Where Vented:	
Is there a bathroom exhaust fan?	☑	Yes	☐	No	Where Vented:	
Is there a clothes dryer?	☐	Yes	☑	No	Where Vented:	
Has there been a pesticide application?	☑	Yes	☐	No	Where Vented:	
Are there odors in the building?	☐	Yes	☑	No		
If yes, please describe:						

Do any of the building occupants use solvents at work? Y ☐ N ☐
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what type of solvents are used? _____

If yes, are their clothes washed at work? Y ☐ N ☐

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

☐ Yes, use dry-cleaning regularly (weekly) ☐ No

☐ Yes, use dry-cleaning infrequently (monthly or less) ☑ Unknown

☐ Yes, work at a dry-cleaning service

9. WATER AND SEWAGE

Water Supply: ☑ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well ☐ Other: _____

Sewage Disposal: ☑ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☐ Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) N/A

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: Remain in home Relocate to friends/family Relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

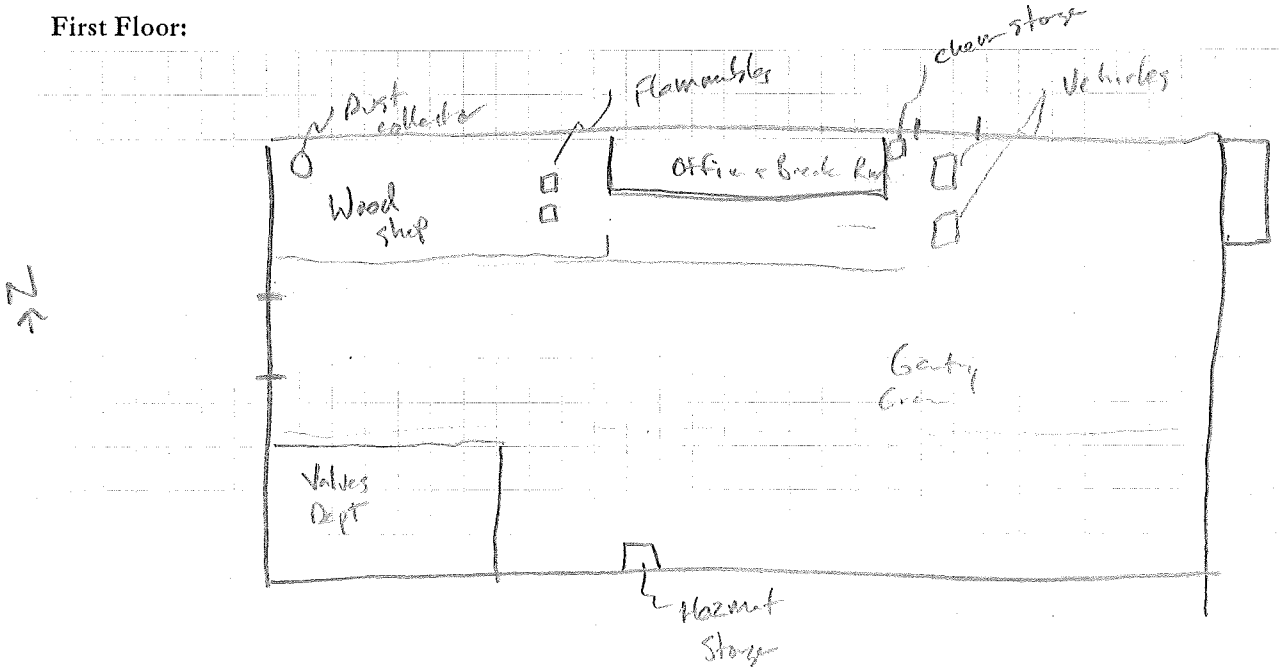
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources(industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. Product Information Form

Field Screening Performed: Yes: ☐ No: ☑ If yes, make and model of instrument used _____

SEE ATTACHED

List Specific Products found in the structure that have the potential to affect indoor air quality.

Location	Product Description	Size/ Vol.	Quant.	Condition	Relevant ingredients	PID/ FID	Photo (Y/N)

Material	Building	Area of Building	Location	Container Size	Number of Containers
Diesel Fuel	203	Haz-mat storage in warehouse		55 gal drum	3
Gasoline	203	Haz-mat storage in warehouse		3 gal can	1
No Rust 700	203	Haz-mat storage in warehouse		55 gal drum	3
Rustilo Tap CFF	203	Haz-mat storage in warehouse		55 gal drum	4
Waist Paints and Solvents	203	Haz-mat storage in warehouse		55 gal drum	1
ECI 442	203	Haz-mat storage in warehouse		5 gal	2
Laytex Paint	203	Haz-mat storage in warehouse		5 gal	6
Amercoat	203	Haz-mat storage in warehouse		1 gal	11
Paint Thinner	203	Haz-mat storage in warehouse		1 gal	5
1 PC Super Safety Degreaser	203	Haz-mat storage in warehouse		spray can	1
Gasoline	203	Garage bay		2 gal	2
2 cycle oil	203	Garage bay		1 gal	
air compressor oil	203	Garage bay		1 gal	
heat gas treatment	203	Garage bay			
clean-n-mean hand scrub	203	Garage bay			
brake cleaner - CONTAINS PCE/TCE	203	Garage bay			
brake caliper grease	203	Garage bay			
lithium grease	203	Garage bay			
citrus wipes	203	Garage bay			
pyroplex grease	203	Garage bay			
hydraulic oil	203	Garage bay			
antifreeze	203	Garage bay		1 gal	4
Battery terminal sealer	203	Garage bay			
Compressed propane cylinder	203	Garage bay			
transmission fluid	203	Garage bay			
Gunk engine bright	203	Garage bay			
stencil ink	203	Garage bay			
Gasoline	203	Woodshop	Flammables Cabinet	1 gal	2
NAPA Kleenz Easy G383	203	Woodshop	Flammables Cabinet	1 gal	1
Acetone	203	Woodshop	Flammables Cabinet	1 gal	1
Paint Thinner	203	Woodshop	Flammables Cabinet	1 gal	3
Spray Paint	203	Woodshop	Flammables Cabinet	11 oz can	10
Alkyd Paint	203	Woodshop	Flammables Cabinet	1 gal	2
Enamel	203	Woodshop	Flammables Cabinet	1 gal	1
Enamel	203	Woodshop	Flammables Cabinet	1 pint	1
Epoxy curing agent	203	Woodshop	Flammables Cabinet	1 gal	1
Laytex paint	203	Woodshop	Flammables Cabinet	1 gal	1
Degreaser	203	Woodshop	Flammables Cabinet	1 gal	1
Rubberized Undercoating	203	Woodshop	Flammables Cabinet		
Epoxy Primer	203	Woodshop	Flammables Cabinet	1 gal	1
Polyurethane	203	Woodshop	Flammables Cabinet	1 pint	1
Fire Retardant Coating	203	Woodshop	Flammables Cabinet	1 gal	3
Ethanol	203	Woodshop	Flammables Cabinet	1 gal	1
Liquid plumber	203	Men's Room		1 gal	1
Stencil Ink	203	Hallway		1 gal	3
PB Blaster	203	Hallway		14 oz can	1
Laytex Paint	203	Hallway		5 gal	1
Spray paint	203	Hallway		22 oz cans	30

Stone Environmental, Inc.

Indoor Air Quality Questionnaire & Building Inventory

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Daniel Voisin | Date/Time Prepared: 3/8/13; 10:47

Preparer's Affiliation: Stone Environmental, Inc. | Phone No: (802) 229-1875

Purpose of Investigation: Scotia Naval Depot Soil Vapor Intrusion Investigation

Project # 102305-R-07 | Project Title: Scotia Naval Depot Pre-Remedial Design Investigation

Address: Building 204 | Other:

1a. OCCUPANT 1

Interviewed: Y ☑ N ☐

Company Name: Integrated Fab Technologies, Inc.

Point of Contact: Rick Greminger | Title:

Address: 414 Union Street, Schenectady, NY 12305

Home Phone: | Office Phone: 518-348-8739

Number of Occupants/persons at this location: ~30 | Age of Occupants: >18

1b. OCCUPANT 2

Interviewed: Y ☐ N ☑

Company Name: Sealed Air Corporation

Point of Contact: Stephan Henes | Title: Plant Manager

Address: Building 201, A Street, Scotia, NY 12302

Home Phone: | Office Phone: 518-370-1693

Number of Occupants/persons at this location: None | Age of Occupants: NA

2. OWNER OR LANDLORD: (check if same as occupant___)

Interviewed: Y ☑ N ☐

Company Name: Galesi Group

Point of Contact: David Ahl | Title: Vice President, Industrial Parks Division

V1.1

Address: 695 Rotterdam Industrial Park, Schenectady, New York 12306

Home Phone: _____ Office Phone: 518-356-4445

3. BUILDING CHARACTERISTICS

Type of Building: (Check as many as appropriate)

☐ Residential ☐ School ☐ Commercial/Multi-use

☑ Industrial ☐ Church ☑ Other: Vacant for half of building

If the property is residential, type? (Check as many as appropriate)

☐ Ranch	☐ 2-Family	☐ 3-Family
☐ Raised Ranch	☐ Split Level	☐ Colonial
☐ Cape Cod	☐ Contemporary	☐ Mobile Home
☐ Duplex	☐ Apartment House	☐ Townhouses/Condos
☐ Modular	☐ Log Home	☐ Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Machining and manufacturing

Does it include residences (i.e., multi-use)? Y ☐ N ☑ If yes, how many? _____

Other Characteristics:

Number of floors 1 Building age 1940's

Is the building insulated? (Y) N How air tight? (Tight) / Average / (Not Tight)

partially insulated, partially uninsulated

4. AIRFLOW

Warehouse portion operated by sealed air is uninsulated and not tight.

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NA

Airflow near source

NA

Outdoor air infiltration

Sealed Air Corp portion of building has outdoor air infiltration. Ind Fab portion is relatively tight

Infiltration into air ducts

air ducts are present in office

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(Wood frame)	Concrete	Stone	Brick	Block wall
b. Basement type: NA	Full	Crawlspace	Slab	other	
c. Basement floor: NA	Concrete	Dirt	Stone	other	
	Uncovered	Covered	Covered with		
d. Concrete floor:	(Unsealed)	Sealed	Sealed with		
e. Foundation walls:	Poured	Block	Stone	other	
	Unsealed	Sealed	Sealed with		
f. The basement is: NA	Wet	Damp	Dry	Moldy	
	Finished	Unfinished	Partially finished		
g. Sump present? NA	Y / N				
h. Water in sump? NA	Y / N / not applicable				

Basement/Lowest level depth below grade: NA (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Cracks are present throughout building in slab.

6. HEATING, VENTING, and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (note primary)

(Hot air circulation) office	Heat pump	Hot water baseboard	
Space heaters	Steam radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	other

Closed combustion heaters in Warehouse

V1.1

Primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: Basement Outdoors (Main floor) Other office furnace on roof
Main heats warehouse.

Air conditioning: (Central Air) Window units Open windows None
office only

Are there air distribution ducts present? (Y) / N
office only

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? (Full time) Occasionally Seldom Almost Never

Level	General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)
Basement	
1st floor	offices, manufacturing, shipping and receiving, warehouse
2nd floor	
3rd floor	
4th floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

Is there an attached garage?	Y/(N)	
Does the garage have a separate heating unit?	Y/(N)	
Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	Y/N/(NA)	Please specify
Has the building ever had a fire?	Y/(N)	When?
Is a kerosene or unvented gas space heater present?	Y/(N)	Where?

Is there a workshop or hobby/craft area?	Y / N	Where & Type?	
Is there smoking in the building?	Y / N	How Frequently?	
Have cleaning products been used recently?	Y / N	When & Type?	
Have cosmetic products been used recently?	(Y) / N	When & Type?	office
Has painting/staining been done in the last 6 months?	(Y) / N	Where & When?	office
Is there new carpet, drapes, or other textiles?	Y / (N)	Where & When?	
Have air fresheners been used recently?	(Y) / N	When & Type?	office
Is there a kitchen exhaust fan?	(Y) / N	Where vented?	outside
Is there a bathroom exhaust fan?	(Y) / N	Where vented?	outside
Is there a clothes dryer?	Y / (N)	Vented outside?	
Has there been a pesticide application?	(Y) / N	When & Type?	
Are there odors in the building?	Y / N		

If yes, please describe: yes. Acetone in warehouse, Machine shop had odors of cutting oils, etc. paint booth.

Do any of the building occupants use solvents at work? (Y) / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what type of solvents are used? Acetone, thinners

If yes, are their clothes washed at work? Y (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) ~~(N)~~ Unknown.

Yes, use dry-cleaning infrequently (monthly or less) Unknown

Yes, work at a dry-cleaning service

9. WATER AND SEWAGE

Water Supply: ~~Public Water~~ Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: Remain in home Relocate to friends/family Relocate to hotel/motel

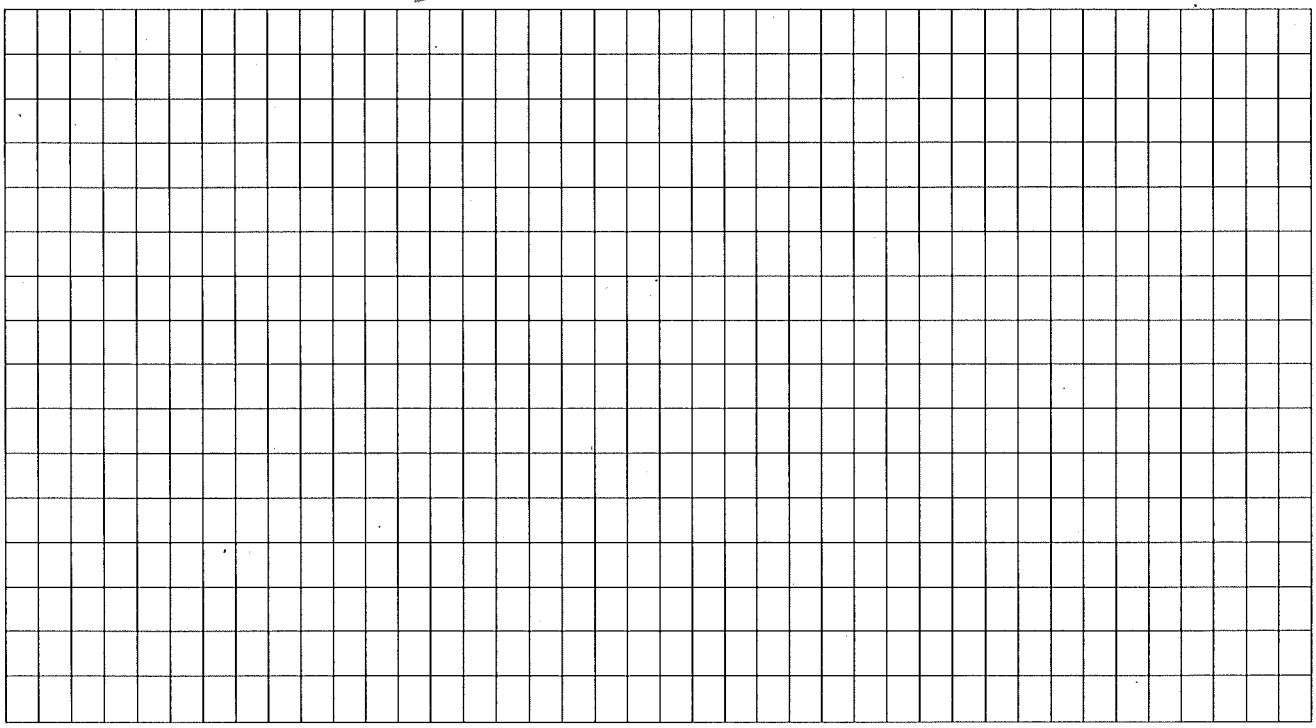
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

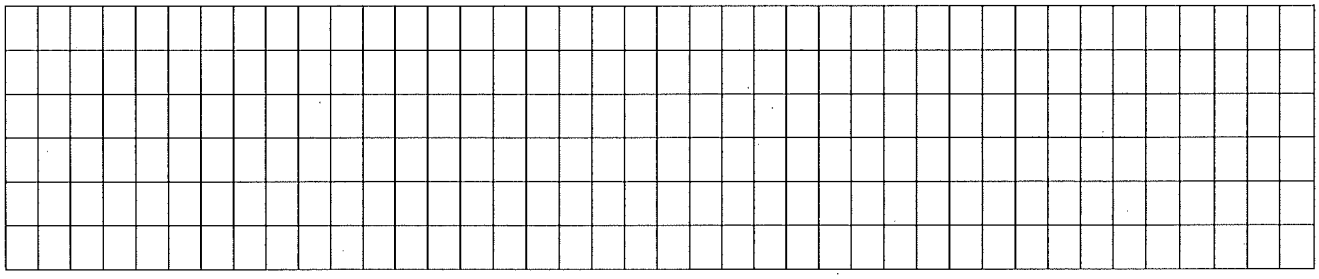
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement: See Attached



First Floor:



a. **Provide reasons why relocation is recommended:** _____

b. **Residents choose to:** Remain in home Relocate to friends/family Relocate to hotel/motel

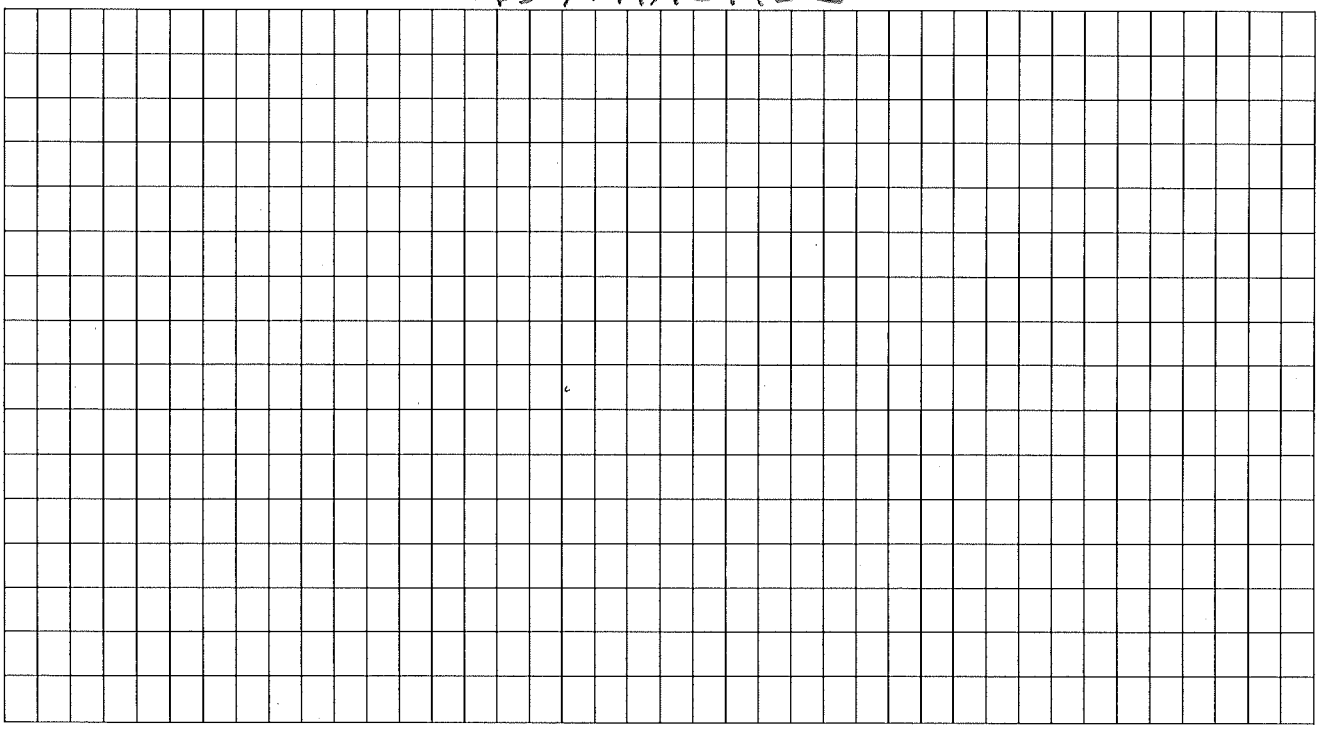
c. **Responsibility for costs associated with reimbursement explained?** Y / N

d. **Relocation package provided and explained to residents?** Y / N

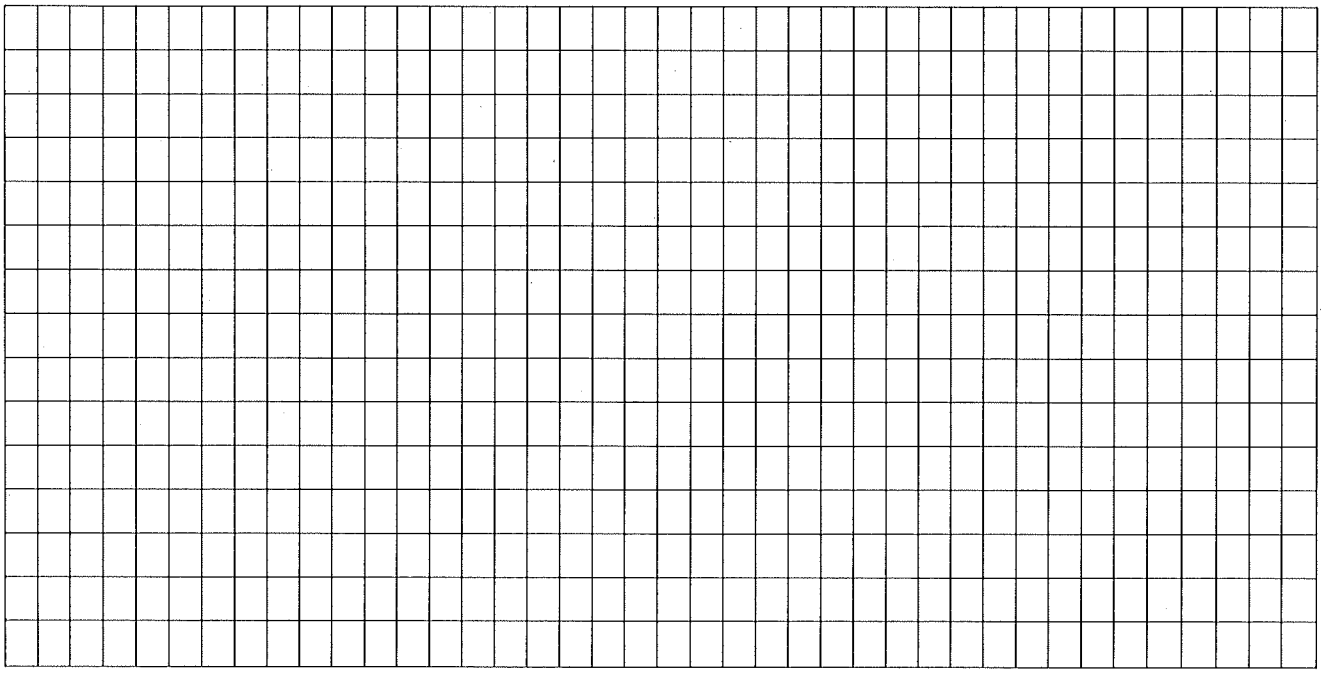
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement: SEE ATTACHED



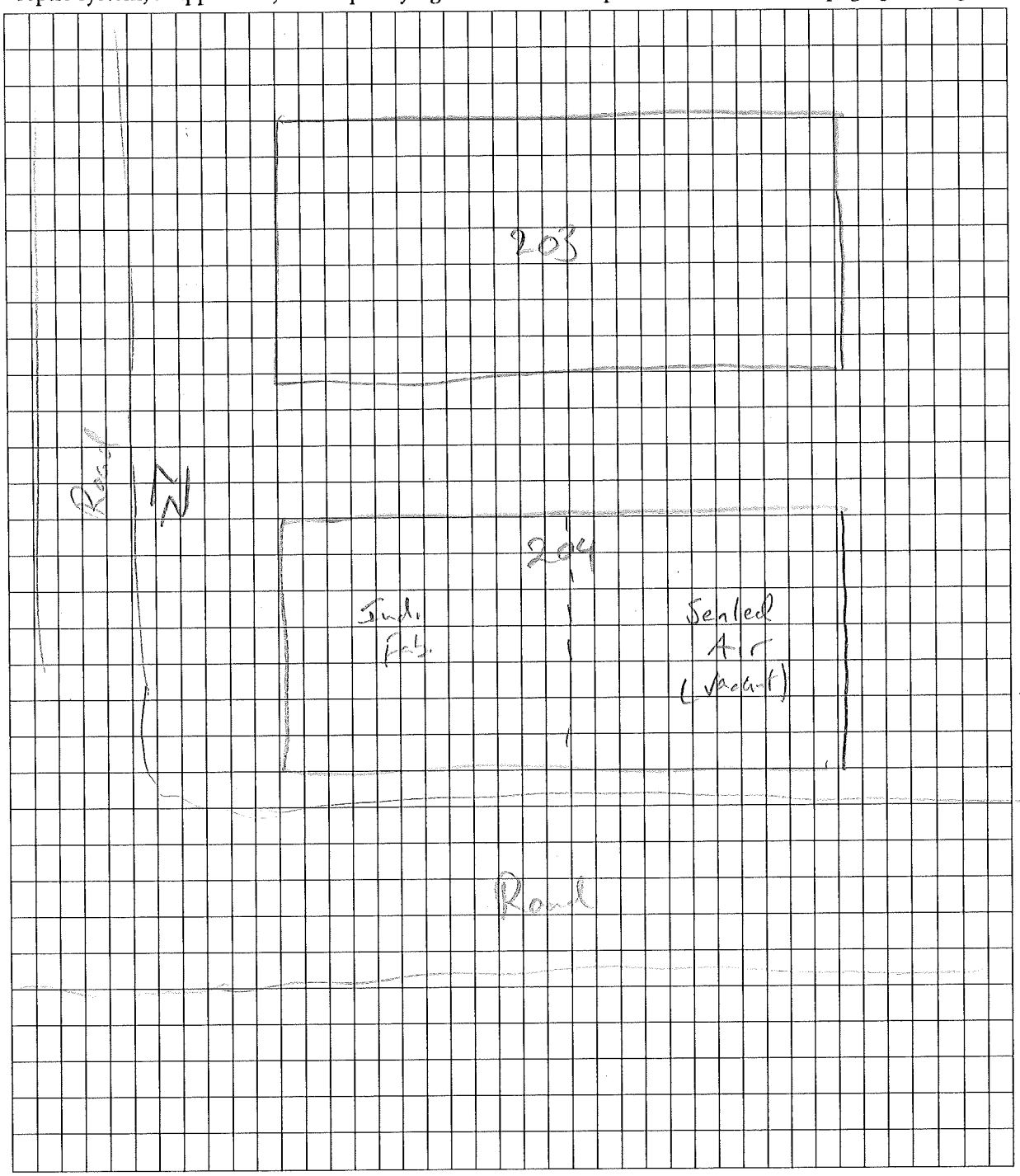
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



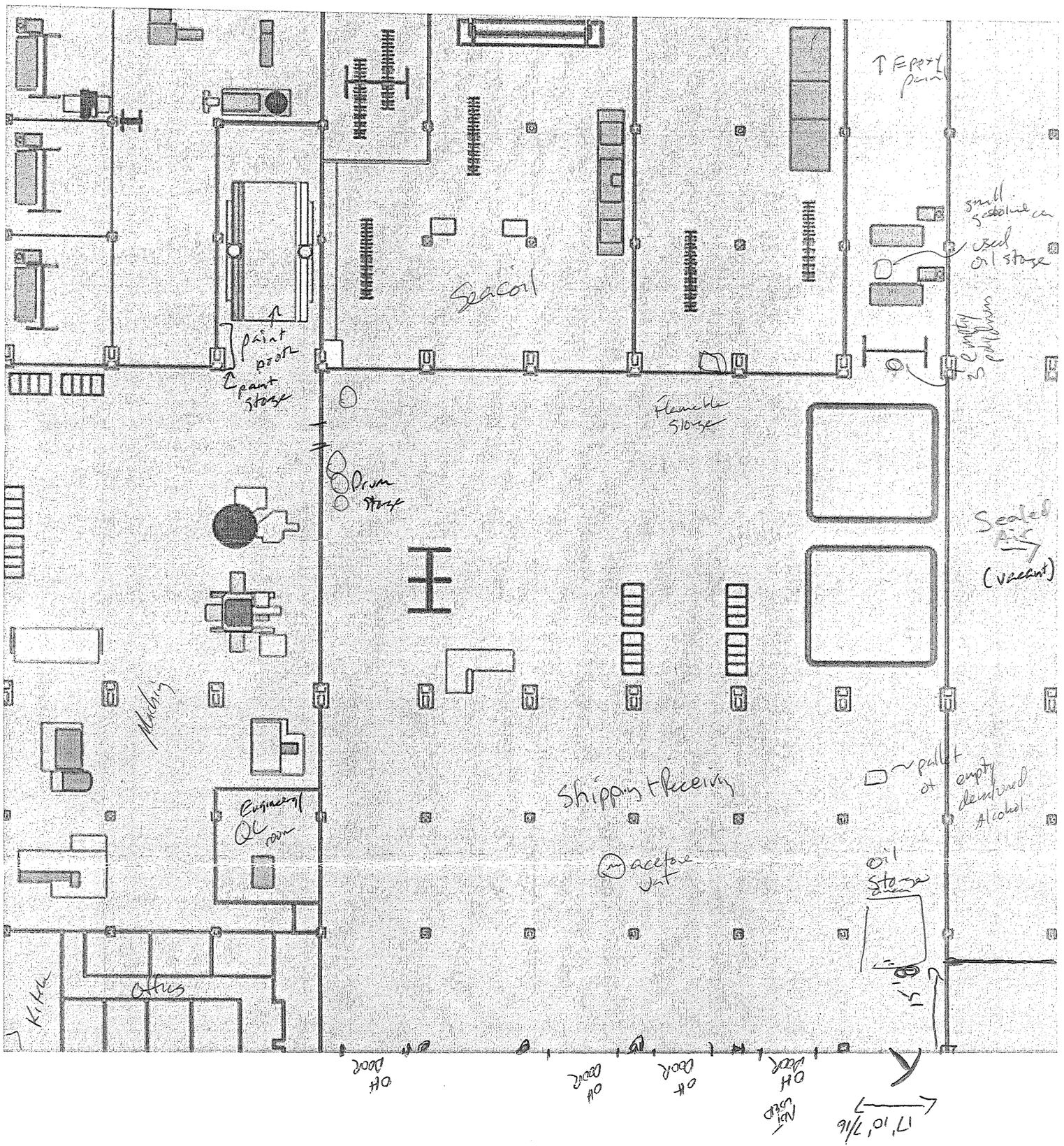
13. Product Information Form

Field Screening Performed: Yes: ☐ No: ☑ If yes, make and model of instrument used _____

List Specific Products found in the structure that have the potential to affect indoor air quality.

Location	Product Description	Size/ Vol.	Quant.	Condition	Relevant ingredients	PID/ FID	Photo (Y/N)
	See Attached						

Material	Building	Area of Building	Location	Container Size	Number of Containers
AWS 32 Hyspin	204	Shipping and Receiving Warehouse		55 gal drum	2
MB50 Hysol	204	Shipping and Receiving Warehouse		55 gal drum	2
Vactra Oil	204	Shipping and Receiving Warehouse		5 gal bucket	5
Acetone	204	Shipping and Receiving Warehouse		Open vat	1
DTE 24	204	Shipping and Receiving Warehouse		5 gal bucket	1
DTE 26	204	Shipping and Receiving Warehouse		5 gal bucket	1
Coolant	204	Shipping and Receiving Warehouse			
3M Polystyrene Foam	204	C-Coil		22 oz can	8
Spray Paint	204	C-Coil		14 oz can	2
Denatured alcohol	204	C-Coil		250 gallon vat	2
Denatured alcohol	204	C-Coil		1 gal pails	70
PVC Cement and Cleaner	204	C-Coil		8 oz can	2
Anti seize compound	204	C-Coil		8 oz can	1
Acculube CB-6000	204	C-Coil		gal	1
Zep floor finish	204	Kitchen	under sink	1 gal	1
Zep all purpose cleaner	204	Kitchen	under sink	1 qt	1
Lysol	204	Kitchen		1/2 gal	1
CRC 3-36	204	machine floor		11 oz	1
CRC 3-36	204	QC Room			
WD-40	204	machine floor		14 oz	1
Mazak	204	machine floor			
Cutting oils	204	machine floor			
spray cleaning wipe	204	machine floor			
Vactra Oil	204	machine floor		8 gals	1
Dfe Bioclean	204	machine floor		5 gal	1
Acetylene	204	machine floor		compressed gas cylinder	1
Oxygen	204	machine floor		compressed gas cylinder	1
Kaesser compressor oil	204	machine floor		5 gal	1
Amercoat	204	machine floor		1 gal	15
Armagrip PLC-500	204	machine floor		5 gal	
68HS powder	204	machine floor		5 gal	
zinc rich epoxy primer	204	machine floor		5 gal	
Speed wall matte flat paint	204	machine floor		5 gal	4
Laytex paint	204	machine floor		5 gal	6
Shop line JT501 general purpose solvent	204	machine floor			
Hysol MB50	204	machine floor			


Seacoil
paint booth
paint storage
Flammable Storage
Drum Storage
Sealed Air
(vacant)
Machine
Shipping + Receiving
acetone vat
pallet of empty denatured Alcohol
oil storage
Engineering QC room
Kitchen
Offices
OH door
OH door
OH door
OH door
Roll up door
17' 10' 7/16

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Dan Voisin Date/Time Prepared 09:30 3/8/13

Preparer's Affiliation Stone Environmental Phone No. 802 229-1875

Purpose of Investigation SVI for Scotia Navel

1. OCCUPANT: Building 403 Vac

Interviewed: Y / N

Last Name: Vacant First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: GSA First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: Vacant

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Salon + Warehouse

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age 70

Is the building insulated? Y / (N) How air tight? Tight / Average / (Not Tight)

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NA

Airflow near source

Yes - Unsealed man doors and large 14' OH door

- Massive open warehouse w/ 4 bays each connected w/ 12' wide doors

Outdoor air infiltration

Yes see above

Infiltration into air ducts

None

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

concrete slab on grade w/ concrete block exterior walls.

a. Above grade construction:	wood frame	concrete	stone	brick	concrete block
b. Basement type:	NA	full	crawlspace	slab	other _____
c. Basement floor:		concrete	dirt	stone	other _____
d. Basement floor:	NA	uncovered	covered	covered with _____	
e. Concrete floor:		unsealed	sealed	sealed with _____	
f. Foundation walls:		poured	block	stone	other _____
g. Foundation walls:		unsealed	sealed	sealed with _____	
h. The basement is:		wet	damp	dry	moldy NA
i. The basement is:		finished	unfinished	partially finished	NA
j. Sump present?		Y / N	NA		
k. Water in sump?	Y / N / not applicable	NA			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Building is ~40" above grade, serves as floor for offloading truck by (see Outdoor plot)

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other None

The primary type of fuel used is: NA

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: None

Boiler/furnace located in: Basement Outdoors Main Floor Other None

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / (N)

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

None

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	None Vacant
1st Floor	
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / (N) / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / (N) / NA Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? Y / (N) When & Type?_____

i. Have cosmetic products been used recently? Y / (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

NA

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

NO

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: NA
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: NA

10. RELOCATION INFORMATION (for oil spill residential emergency) NA

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

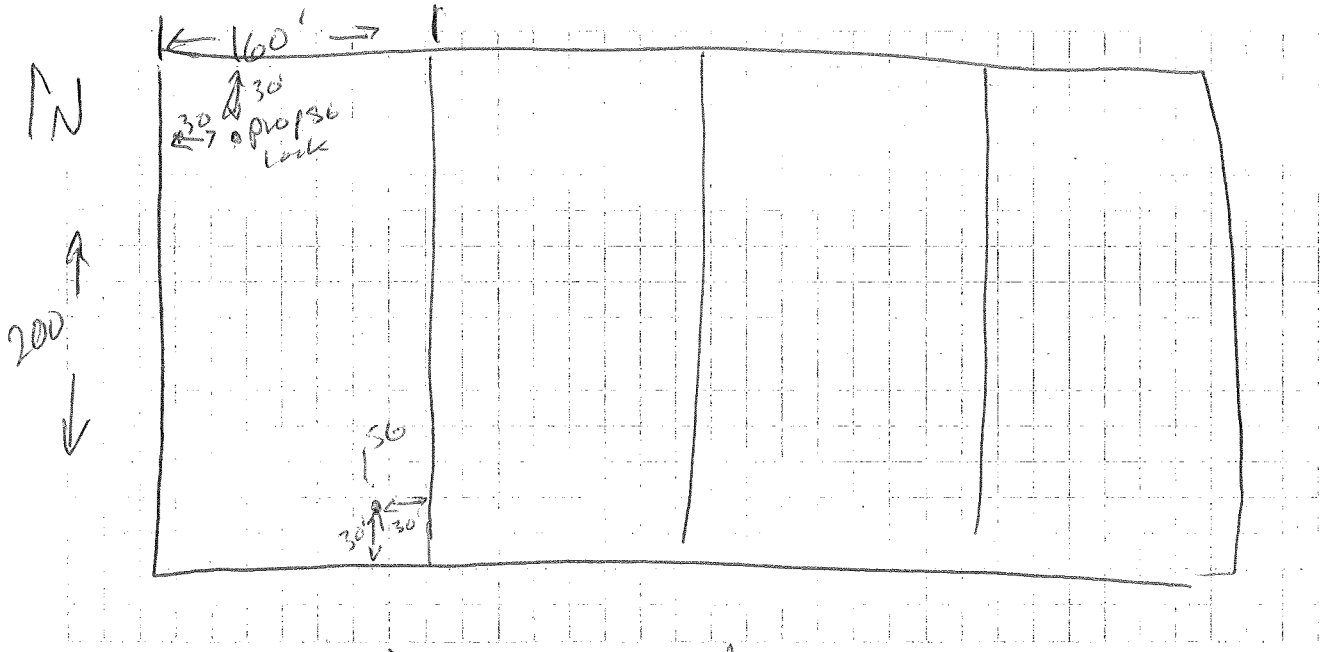
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

~~Basement~~: First Floor (only floor)

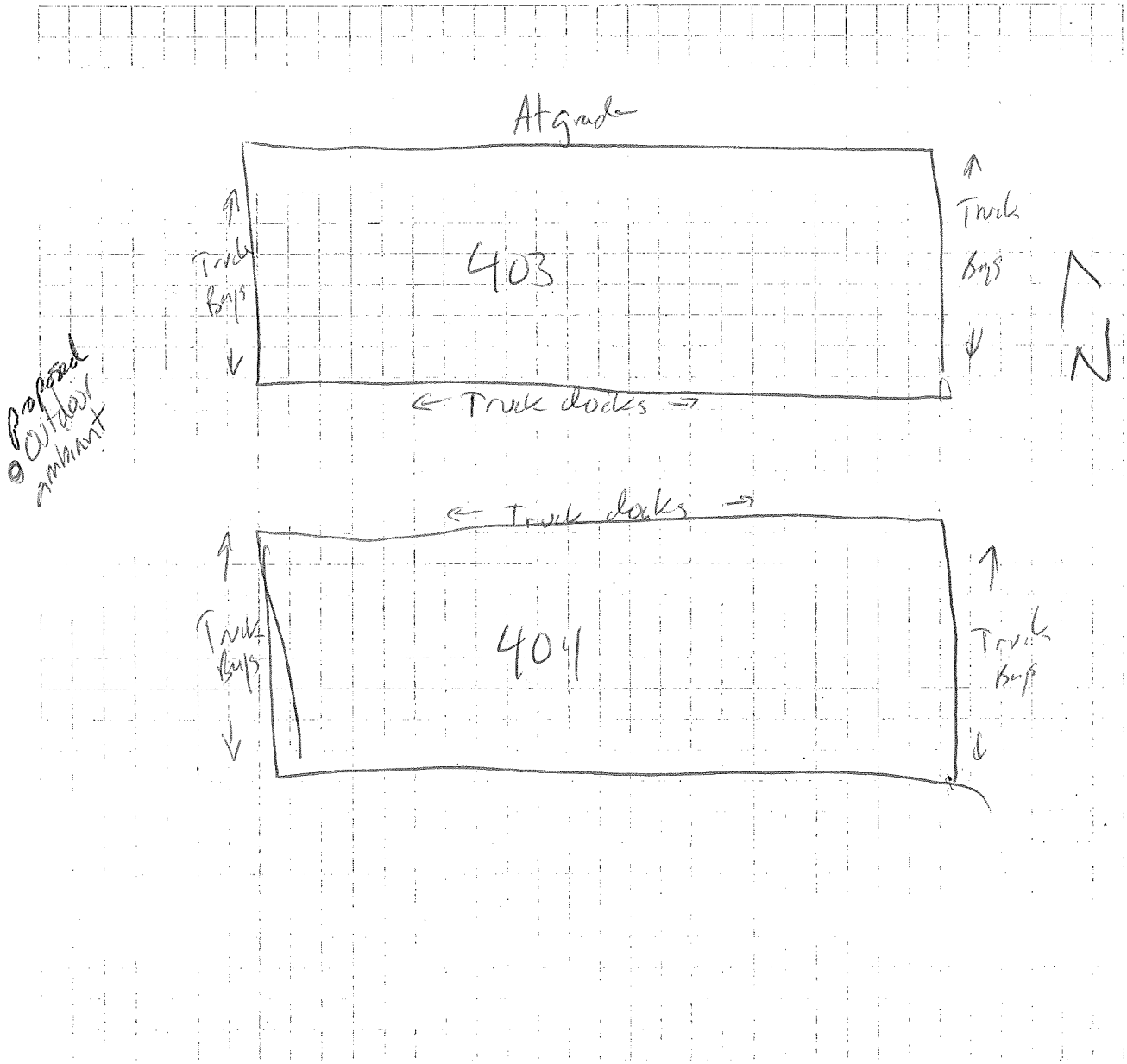


First Floor: No IA proposed due to outdoor air infiltration

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM Nae present

Make & Model of field instrument used: Drilling empty

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	None					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY Bldg 404
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Daniel Valsin Date/Time Prepared 3/8/13 9:50

Preparer's Affiliation Stone Environmental Phone No. (802) 229 1875

Purpose of Investigation Scotia Naval Depot SVI

1. OCCUPANT:

Interviewed: Y / N

Last Name: None First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: GSA First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	(Other:) Vacant

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Vacant Warehouse

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age 70 yrs.

Is the building insulated? Y (N) How air tight? Tight / Average / (Not Tight)

Building is constructed in 4 bays measuring 160'x 200'. Each bay is connected w/ 12' wide overhead doors

4. **AIRFLOW**

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between ~~floors~~ Bays

Unrestricted, doors are open or poorly sealed

Airflow near source

Unrestricted

Outdoor air infiltration

Building has air infiltration through open windows, along roof, holes in roof, holes in concrete block masonry and under/around overhead garage doors (to the outside)

Infiltration into air ducts

Not applicable

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

Concrete slab-grade w/ concrete block exterior walls.

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	full	crawlspace	slab	other None
c. Basement floor:	concrete	dirt	stone	other None
d. Basement floor:	uncovered	covered	covered with None	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is: NA	wet	damp	dry	moldy
i. The basement is: NA	finished	unfinished	partially finished	
j. Sump present? NA	Y / N			
k. Water in sump? NA	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Concrete slab has cracks throughout and in between pours (expansion joints).

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other None

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: None

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other NA
Air conditioning:	Central Air	Window units	Open Windows	(None)

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Not applicable

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	
1st Floor	Vacant
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where?_____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y (N) If yes, where vented? _____

o. Is there a clothes dryer? Y (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response) Not applicable

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Turned off at street.

Water Supply: (~~Public Water~~) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) NA

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

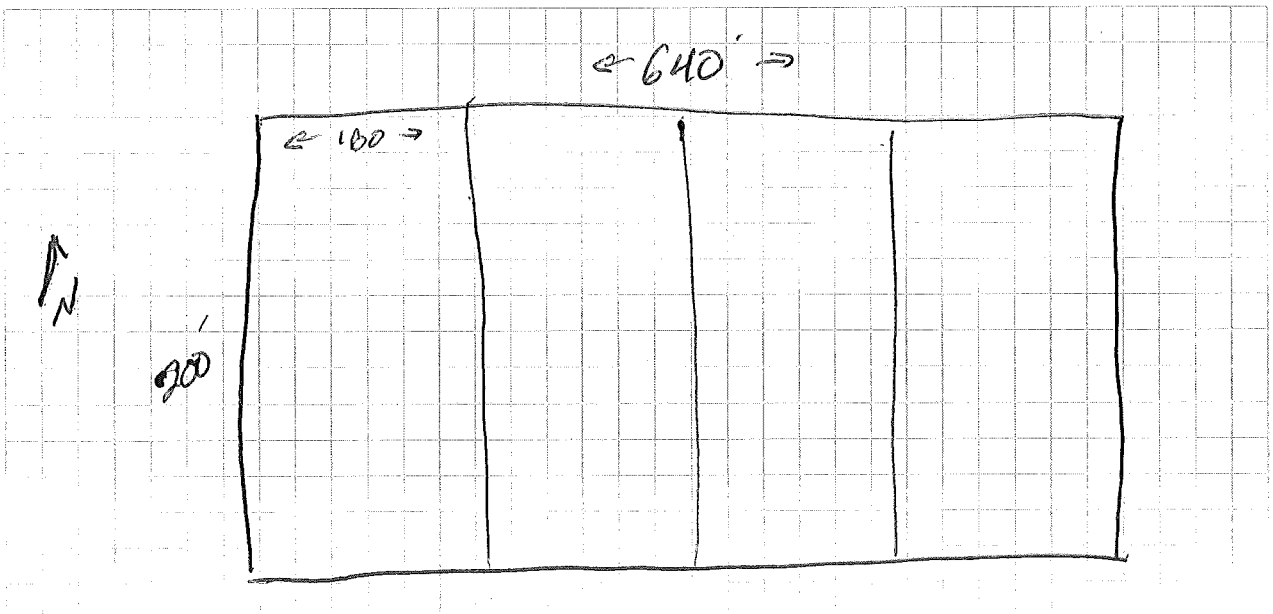
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

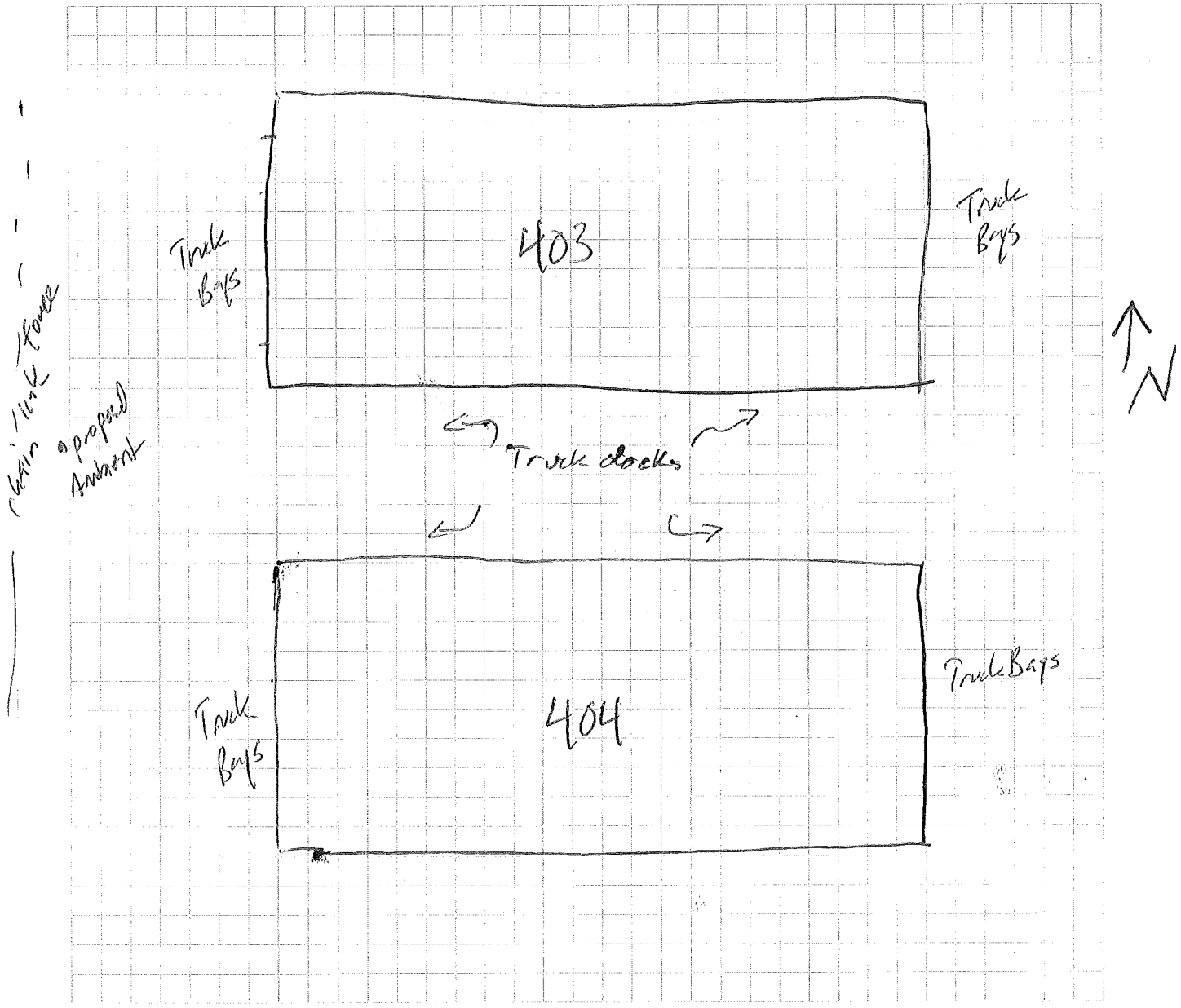
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	None -					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

APPENDIX B: SOIL VAPOR AND INDOOR AIR SAMPLE COLLECTION RECORDS

Soil Gas Sample Collection Record

Soil Gas Point ID: SV1-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/3/13

Weather Conditions: Breezy, Mostly Sunny

Time On-Site: 1845

Rain within last 24 hours? (y/n): n

Sampler(s): DeVoisin Dean

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Building 403

Soil Gas point installation method: Hammer drill for conc. slab.

Sample depth (ft): 0.2' below bottom of slab

Sample collection method: 30 min Flow, w/ summa

Start - 2906 @ 1712

End - 5.38 @ 1742

2. SAMPLE INFORMATION:

Sample Time: 1740

16:57-1

PID Reading: 0.9 (ppm v/v) CO_2 Reading: NC O_2 Reading: NC

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV1-1-A	Alpha		summa 946	28 min	156 (as calibrated by lab)	TO15

Flow # 0078

Comments:

Let leak detector run for 2 min - no helium. switch to sample Collected sample, switched sample line to the detector. Let run for 2 min No Helium

Signature: [signature] Date: 4/3/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV2-1-A

Project Name: Scotia Naval Depot SV2-1-A
Project #: 102305-R/C

Site Location: Scotia, NY
Date: 4/9/18

Weather Conditions: sunny ~45°
Time On-Site: 6:10

Rain within last 24 hours? (y/n): NO

Sampler(s): DN / DSL

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: South east corner of westerly of 403

Soil Gas point installation method: hammer drill through slab

Sample depth (ft): 0.66'

Sample collection method: summa

2. SAMPLE INFORMATION:

Start -29.2 "Hg @ 10:0
End -7.30 "Hg @ 11:18

Sample Time: 10:2-11:18

CO = 0.0

PID Reading: 4.5 (ppm v/v) CO_2 Reading: 1210 O_2 Reading: 20.9

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV2-1-A	Alpha		993	30min	200	TO15

Flow # 214

Comments:
Purge 5L 2/min
Passed leak test
End Pressure -7.30

Signature: _____ Date: _____

North 404

Soil Gas Sample Collection Record

Soil Gas Point ID: SV3-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/4/13

Weather Conditions: sunny w 45°F breezy

Time On-Site: 640

Rain within last 24 hours? (y/n): No

Sampler(s): DN ~~EJT~~ DJL

DN 4/4/13

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: North end of western bay of 404

Soil Gas point installation method: Sub slab w/ hammer drill

Sample depth (ft): 1.0'

Sample collection method: Summa

2. SAMPLE INFORMATION:

Start Time 11:28 Pressure: -28.77

1158 -6.82

Sample Time: 1158

CO: 1.0

PID Reading: 35 (ppm v/v) CO_2 Reading: 810 O_2 Reading: 20.9

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV3-1-A	Alpha		1546	30min	155	TO15

Flow # 0250

Comments:

Purged w/ PID for 2min

Passed leak test

Signature: [signature] Date: 4/4/13

South 404

Soil Gas Sample Collection Record

Soil Gas Point ID: SV4-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/4/13

Weather Conditions: Sunny, ~45°F, breezy

Time On-Site: 0646

Rain within last 24 hours? (y/n): N

Sampler(s): DN / DL

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: South end of western bay

Soil Gas point installation method: Hammer drill, sub slab

Sample depth (ft): 1.0'

Sample collection method: Summa

2. SAMPLE INFORMATION:

Starting -29.62 "Hg @ 1144

- 12.7 @ 1214

Sample Time: 1214

CO=0.0

PID Reading: 2.7 (ppm v/v) CO_2 Reading: 1200 O_2 Reading: 20.9

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV4-1-A	Alpha		1759	30min	160	TO15

Flow# 0049

Comments:

Purged ~3 Mins, Leak test passed

Signature: [signature] Date: 4/4/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SVS-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: ~~4/3/13~~ 4/4/13 DV 4/4/13

Weather Conditions: Sunny, Breezy ~35°

Time On-Site: 0640

Rain within last 24 hours? (y/n): No

Sampler(s): DeVos

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Hallway behind (South) of break room

Soil Gas point installation method: sub slab, hammer drill

Sample depth (ft): 8"

Sample collection method: Summa

Started at 8:20 w/ -29.77" Hg

2. SAMPLE INFORMATION:

End at ~~1620~~ 1544 - 4.48 " Hg

CO = 0.0 DV 4/4/13

Sample Time: 1544

PID Reading: 1.0 (ppm v/v)

CO_2 Reading: 550

O_2 Reading: 20.9

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SVS-1-A	Alpha		1544	8hr	10.0	TO 15

Flow # 0227

Comments:

Let Purge ~2min, pre leak test passed

Post leak test passed

Signature: [signature] Date: 4/4/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV6-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/4/13

Weather Conditions: sunny / breezy 0350F

Time On-Site: 640

Rain within last 24 hours? (y/n): no

Sampler(s): DN

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: West end, near truck bay

Soil Gas point installation method: Hammer dr. 11, SV6 slab

Sample depth (ft): 8"

Sample collection method: Summa

2. SAMPLE INFORMATION:

Start 8:36 w/-29.62 "Hg

End 1636

1608 5.90

Sample Time:

PID Reading: 05 (ppm v/v) CO_2 Reading: 760 O_2 Reading: 20.9 CO: 0.0

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV6-1-A	Alpha	319	319	8hr	10mL	TO15

Flow# 0124

Comments: Purged 2min w/ PID, leak test passed

Signature: [signature] Date: 4/4/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV7-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 9/9/13

Weather Conditions: Sunny Breezy

Time On-Site: 0940

Rain within last 24 hours? (y/n): N

Sampler(s): DN

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: East end of 201, south east side

Soil Gas point installation method: SSlab, hammer drill

Sample depth (ft): 8"

Sample collection method: Summa

2. SAMPLE INFORMATION:

Start @ 8:59 w/ -29.31

~~1659~~ PM 9/9/13

1622 -5.30 "Hg

Sample Time: 1622

PID Reading: 3.3 (ppm v/v) CO_2 Reading: 670 O_2 Reading: 20.9 CO = 0.0

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV7-1-A	Alpha		1712	8 hr	100	TO15

Flow # 0141

Comments:

Purge ~2 min. w/PID leak test passed

Signature: [signature] Date: 9/9/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV8-3-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/4/13

Weather Conditions: Sunny, breezy ~45°F

Time On-Site: 6:46

Rain within last 24 hours? (y/n): ND

Sampler(s): DN

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Kitchen in 203

Soil Gas point installation method: Hammer drill through slab

Sample depth (ft): 8"

Sample collection method: Summa

2. SAMPLE INFORMATION:

Start ~~0946~~ 09:46 @ -25.68

End 1746 @ -6.46

Sample Time: _____ CO = 0.0

PID Reading: 1.1 (ppm v/v) CO_2 Reading: 820 O_2 Reading: 18.9

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV8-3-A			Summa	0946 -	10	TO-15 SIM

Flow #

Comments:

Purged for 2min prior leak test.

Post leak test → Passed

Signature: _____ Date: 4/4/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SVG-1-A

Project Name: Scotia Naval Depot
Project #: 102305-R/C
Site Location: Scotia, NY
Date: 4/4/13
Weather Conditions: Sunny, high pressure
Time On-Site: 07:00
Rain within last 24 hours? (y/n): No
Sampler(s): Schmidt / Linari

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: SW Corner of Bldg. 203
Soil Gas point installation method: Hammer Drill, sealed w/ plumbers putty
Sample depth (ft): 1
Sample collection method: Vacuum

2. SAMPLE INFORMATION:

Sample Time: 9:33

PID Reading: 1.6 (ppm) v/v) CO_2 Reading: 930 O_2 Reading: 21.5

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SVG-1-A	Alpha		6L Summa		10	TO-15 SIM

Comments:
Painting a product with latex house paint about 80 ft east
Pre leak test → passed
Post leak test → passed
collected O_2 + CO_2 at the sample

Signature: [signature] Date: 4/4/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV10-1-A

Project Name: Scotia Naval Depot
Project #: 102305-R/C
Site Location: Scotia, NY
Date: 4/4/13
Weather Conditions: Sunny, high pressure
Time On-Site: 0710
Rain within last 24 hours? (y/n): N
Sampler(s): Schmidl / Linari

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: SE corner of Bldg 203
Soil Gas point installation method: Hand Drill
Sample depth (ft): 1
Sample collection method: Vacuum- 8-hr duration

2. SAMPLE INFORMATION:

Sample Time: 9:18 shp time 5:18 @ -6.30

PID Reading: 5.4 (ppmv/v) CO_2 Reading: 0 O_2 Reading: ~~nn~~ 4.5

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV10-1-A	Alpha		6L Summa	9:18 - 5:18	~~200~~ 10	TO-15 SIM

Comments:
~~Dep~~ Diesel trucks running past location ~40 ft away exterior door ~50 ft away intermittently operating during day.
Pre leak test ⇒ Pass
Post leak test ⇒ Pass
Collected O2 + CO2 after sampl

Signature: [signature] Date: 4/4/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV11-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/5/11

Weather Conditions: Clear, Calm

Time On-Site: 07:00

Rain within last 24 hours? (y/n): No

Sampler(s): Schmidt / Lunau

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Offices of Bldg 203

Soil Gas point installation method: Hammer drill

Sample depth (ft): 1

Sample collection method: Vacuum

2. SAMPLE INFORMATION:

Start 7142 -28.90

Stop ~~3:22~~ 15:24 pressure -4.80

Sample Time: ~~7:42~~ 15:24

PID Reading: 4.0 (ppm v/v) CO_2 Reading: 90 O_2 Reading: 14.2 CO 0

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV11-1-A	Alpha		6L Summa	8hr	10	TO-15 SIM

Flow Controller 0256

Comments:

Passed Leak test -> Passed

Post leak test -> Passed

Signature: _____ Date: 4/5/11

Soil Gas Sample Collection Record

Soil Gas Point ID: SV12-1-A

Project Name: Scotia Naval Depot
Project #: 102305-R/C
Site Location: Scotia, NY
Date: 4/5/13
Weather Conditions: Clear, Calm
Time On-Site:
Rain within last 24 hours? (y/n): N
Sampler(s): Sichenzi / Linani

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Bldg 202 35ft. So of Nwall btw Bldg Columns L+M
Soil Gas point installation method: Hammerdrill
Sample depth (ft): 1
Sample collection method: Vacuum

2. SAMPLE INFORMATION:

DTV 4/5/13
Sample Time: ~~0715~~ 1532 start ? at 7:51

PID Reading: 3.4 (ppm v/v) CO_2 Reading: 13.16 O_2 Reading: 20.9 CO 0

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV12-1-A	Alpha		6L Summa		10	TO15 SIM

Comments:
Passed leak test

Signature: [signature] Date: 4/5/13

Soil Gas Sample Collection Record

Soil Gas Point ID: ~~SV14~~ SV13-3-A DN 4/15/15

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/15/15

Weather Conditions: Sunny ~50°

Time On-Site: 0645

Rain within last 24 hours? (y/n): No

Sampler(s): DN

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Machine shop area of 204

Soil Gas point installation method: Sub slab summa, hammerdrill w/ kap

Sample depth (ft): 0.8'

Sample collection method: Summa

2. SAMPLE INFORMATION:

Start @ 830 w/ -29.31

End @ ~~430~~ 1610 w/ -7.03

CO = 0

Sample Time: 1610

PID Reading: 8.5 (ppm v/v) CO_2 Reading: 14,200 O_2 Reading: 18.7

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV13-3-A	Alpha		~~0019 1673~~ 6L	8hr	10.0	TO15

0019

Comments:

Pre leak test passed
post leak test passed

Signature: [signature] Date: 4/15/15

Soil Gas Sample Collection Record

Soil Gas Point ID: SV14-1-A

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/5/13

Weather Conditions: Clear, Calm

Time On-Site: 07:00

Rain within last 24 hours? (y/n): N

Sampler(s): Schmidt/Cimini

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: 30ft from east end of Bldg 204, along Centerline

Soil Gas point installation method: Hammer drill

Sample depth (ft): 1

Sample collection method: Vacuum

2. SAMPLE INFORMATION:

Start time = 858 at -28.1

End time = 1615 at -4.97

Sample Time: ~~0824~~ 1615

PID Reading: 6.6 (ppm v/v) CO_2 Reading: 0 O_2 Reading: 14.3 CO 0

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV14-1-A	Alpha		GL Summa		10	TO15 SIM

Comments:

Signature: [signature] Date: 4/5/13

Soil Gas Sample Collection Record

Soil Gas Point ID: SV15-3-A + Dup on 4/5/13

Project Name: Scotia Naval Depot

Project #: 102305-R/C

Site Location: Scotia, NY

Date: 4/5/13

Weather Conditions: Sunny ~50°F

Time On-Site: 6:45

Rain within last 24 hours? (y/n): No

Sampler(s): DN

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION

Description of soil gas point location: Kitchen closet in 204

Soil Gas point installation method: Sub slab hammer dr. II

Sample depth (ft): 0.8'

Sample collection method: Summa

2. SAMPLE INFORMATION:

Start A -25.62 at ~~5:17~~ 5:17

Start A-D: -25.55

End A -5.65 at 1605

CO: 0-0 A-D -6.90 at 1605

Sample Time: 1605

PID Reading: 0.5 (ppm v/v) CO_2 Reading: 960 O_2 Reading: 20.9

Sample Name	Laboratory	Chain of Custody #	Container Type #	Collection Period	Flow Rate (mL/min)	Analysis Required
SV15-3-A	Alpha		739		10.0	TO15
SV15-3-A-D	Alpha		785		10.0	TO15

Flow 0580 0040

Comments:

Pre leak test ~~post~~ passed

post leak test passed

Signature: [signature] Date: 4/5/13

Indoor Air Sampling Form

Sampler: Dan Voisin Method: TO-15 Project #: 102305-R-7

Sample ID	Date	Time Started	Time Ended	Sampling Height (ft)	Summa Canister ID	Vacuum at start	Vacuum at end	Flow Rate mL/Min	Sample Type	COC #
AR5-3-A	4/4/13	710	1500	32"	1529	-29.65	-4.95	10.0	Summa	
AR6-3-A	4/4/13	716	1407	26"	~~418~~ 588	-29.60	-5.06	9.5	Summa	
AR7-3-A	4/4/13	719	1519	36"	~~2588~~ 518	-29.50	-4.63	10	Summa	
AR14-3-A	4/5/13	731	1548	24"	1637	-29.48	-5.72	9.8		
AR15-3-A	4/5/13	727	1544	32	1586	-29.15	-5.74	10	Summa	
~~AR15~~										
AR15-3-A-D	4/5/13	727	1544	32	811	-29.30	-6.05	10	Summa	

Notes:
AR5 collected from break room in 201
AR6 collected from west end of 201
AR7 collected from east end of 201
AR14 collected in East end of 204
AR15+D collected in back room in 204 Ind. Fab lease space

Indoor Air Sampling Form

Sampler: Schmidt / Linn Method: _____ Project #: Scott

COC	Sample ID	Date	Time Started	Time Ended	Sampling Height (ft)	Summa Canister #/Value	Vacuum at start	Vacuum at end	Sample Type	COC	canister ID #
✓	AR2-3-A	4/4/13	7:38	15:44	3	933 / -29.2	-29.46	-4.65	Break Room		0357
✓	AR9-3-A	4/4/13	7:42	15:42	3	1552 / -29.1	-29.90	-7.81	west end		0559
✓	AR10-3-A	4/4/13	7:46	15:32	3	708 / -29.1	-29.53	-4.46	East End		0584
✓	AR16-3-A	4/4/13	7:32	15:52	3 ft	439 / -29.4	-29.98	-5.65	10 mL/min Ambient		Ambient 0558
✓	~~SV13-3-A~~	~~4/4/13~~	~~9:15~~		~~1 ft~~	~~1564 / -29.1~~	~~-29.60~~		~~East End Duct~~	~~Duplicate~~	~~0093~~
✓	SV9-1-A	4/4/13	9:33	15:22	1 ft	1443 / -29.1	-29.42	-5.01	East End		0212
✓	SV8-1-A	4/4/13	9:46	15:46	1 ft	999 / -29.1	-29.68	-6.46	Kitchen/Break room		0315
✓	~~SV10-3-A~~ SV10-1-A	4/4/13 DNV 4/5/13	9:18	15:18	1 ft	1783 / -29.1	-29.60	-6.30	East end		0183
✓	AR17-3-A	4/5/13	07:24	15:24	3 ft	766 / -29.3	-29.27	-6.36	Ambient outside		0552
✓	AR11-3-A	4/5/13	07:28	15:28	3 ft	1864 / -29.3	-29.72	-5.21	Office 202		0557
✓	SV11-1-A	4/5/13	07:42	15:24	1 ft	1516 / -29.2	-28.90	-4.8	Office 202	~~Duplicate~~	0256
✓	SV12-1-A	4/5/13	07:57	15:32	1 ft	1687 / -29.1	?	?	Warehouse 203	Duplicate	0242
✓	SV14-1-A	4/5/13	08:21		1 ft	805 / -28.2	-28.31		Warehouse 204		0581

Notes: 4/4 Wind from SW in morning, came around to SE in afternoon.
First Attempt sampling SV10-3-A → canister did not have Vacuum or Regulator did not work, switch to new can.
4/5/13 Wind calm in morning, some location for ambient canisters from East N 10AM - 4PM

Source: MaDEP Indoor Air Sampling and Evaluation Guide WSC Policy #02-430 (April 2002)

APPENDIX C: LABORATORY ANALYTICAL REPORTS AND DATA VALIDATION REPORTS

Indoor Air Sample Results Comparison with EPA Soil Vapor Generic Screening Levels

LOCATION SAMPLING DATE LAB SAMPLE ID	EPA Soil Vapor Screening Level[1]	Units	SV1-1-A 03-APR-13 L1306330-04	Qual	SV2-1-A 04-APR-13 L1306330-03	Qual	SV3-1-A 04-APR-13 L1306330-01	Qual	SV4-1-A 04-APR-13 L1306330-02	Qual	SV5-1-A 04-APR-13 L1306330-08	Qual	SV6-1-A 04-APR-13 L1306330-09	Qual	SV7-1-A 04-APR-13 L1306330-10	Qual	SV8-1-A 04-APR-13 L1306330-17	Qual	SV9-1-A 04-APR-13 L1306330-16	Qual	SV10-1-A 04-APR-13 L1306330-18	Qual	SV11-1-A 05-APR-13 L1306330-21	Qual	SV12-1-A 05-APR-13 L1306330-22	Qual	SV13-1-A 05-APR-13 L1306330-27	Qual	SV14-1-A 05-APR-13 L1306330-23	Qual	SV15-1-A 05-APR-13 L1306330-28	Qual	SV15-1-A-D 05-APR-13 L1306330-29	Qual	TRIP BLANK 03-APR-13 L1306330-11	Qual
Volatile Organics in Air by SIM - Mansfield Lab																																				
1,1,1,2-Tetrachloroethane	3.3E+00	µg/m^3	0.137	U	0.137	U	0.137	U	0.275	U	0.275	U	0.275	U	1.37	U	1.37	U	0.458	U	0.458	U	0.137	U	0.687	U	1.37	U	0.137	U	0.172	U	0.172	U	0.137	U
1,1,1-Trichloroethane	2.2E+04	µg/m^3	18.7		1.31		0.998		13.3		0.655		2.75		1.8		687		61.1		17.8		91.1		69.3		9.17		0.376		0.157		0.157		0.109	U
1,1,2,2-Tetrachloroethane	4.2E-01	µg/m^3	0.137	U	0.137	U	0.137	U	0.275	U	0.275	U	0.275	U	1.37	U	1.37	U	0.458	U	0.458	U	0.137	U	0.687	U	1.37	U	0.137	U	0.172	U	0.172	U	0.137	U
1,1,2-Trichloroethane	1.5E+00	µg/m^3	0.109	U	0.109	U	0.109	U	0.218	U	0.218	U	0.218	U	1.09	U	1.09	U	0.364	U	0.364	U	0.109	U	0.546	U	1.09	U	0.109	U	0.136	U	0.136	U	0.109	U
1,1-Dichloroethane	5.0E+03	µg/m^3	0.081	U	0.081	U	0.081	U	0.162	U	0.162	U	0.162	U	0.809	U	0.809	U	0.27	U	0.27	U	0.182		0.405	U	0.809	U	0.081	U	0.248		0.101	U	0.081	U
1,1-Dichloroethene	2.0E+02	µg/m^3	3.17		0.079	U	0.079	U	0.159	U	0.159	U	0.159	U	0.793	U	0.793	U	0.264	U	0.264	U	0.079	U	0.396	U	0.793	U	0.028	J	0.099	U	0.099	U	0.079	U
1,2,3-Trichlorobenzene		µg/m^3	0.371	U	0.371	U	0.371	U	0.742	U	0.742	U	0.742	U	3.71	U	3.71	U	1.24	U	1.24	U	0.371	U	1.86	U	3.71	U	0.371	U	0.464	U	0.464	U	0.371	U
1,2,4-Trichlorobenzene	2.0E+03	µg/m^3	0.371	U	0.371	U	0.371	U	0.742	U	0.742	U	0.742	U	3.71	U	3.71	U	1.24	U	1.24	U	0.371	U	1.86	U	3.71	U	0.371	U	0.464	U	0.464	U	0.371	U
1,2,4-Trimethylbenzene	6.0E+01	µg/m^3	3.51		32.9		0.998		32.2		6.39		5.85		0.983		3.83		3.85		2.37		2.1		51.6		3.54		19.2		2.55		2.16		0.098	U
1,2-Dibromoethane	1.1E-01	µg/m^3	0.154	U	0.154	U	0.154	U	0.307	U	0.307	U	0.307	U	1.54	U	1.54	U	0.513	U	0.513	U	0.154	U	0.769	U	1.54	U	0.154	U	0.192	U	0.192	U	0.154	U
1,2-Dichlorobenzene	2.0E+03	µg/m^3	0.12	U	0.12	U	0.12	U	0.24	U	0.24	U	0.24	U	1.2	U	1.2	U	0.401	U	0.401	U	0.12	U	0.601	U	1.2	U	0.12	U	0.15	U	0.15	U	0.12	U
1,2-Dichloroethane	5.0E+03	µg/m^3	0.081	U	0.041	J	0.081	U	0.162	U	0.162	U	0.162	U	0.809	U	0.809	U	0.27	U	0.27	U	0.049	J	0.405	U	0.809	U	0.077	J	0.051	J	0.056	J	0.081	U
1,2-Dichloropropane	4.0E+00	µg/m^3	0.092	U	0.092	U	0.092	U	0.185	U	0.185	U	0.185	U	0.924	U	0.924	U	0.308	U	0.308	U	0.092	U	0.462	U	0.924	U	0.092	U	0.116	U	0.116	U	0.092	U
1,3,5-Trimethylbenzene	6.0E+00	µg/m^3	0.939		15		0.329		18.2		2.06		1.87		0.295	J	1.23		1.29		0.723		1.12		51.1		1.18		11.3		0.757		0.659		0.098	U
1,3-Butadiene	8.7E-02	µg/m^3	0.332		0.044	U	0.639		1.88		0.155		0.204		0.575		0.265	J	0.177		0.642		0.038	J	0.089	J	0.442	U	0.265		0.199		0.149		0.044	U
1,3-Dichlorobenzene	1.1E+03	µg/m^3	3.49		0.12	U	6.91		7.33		16.1		11.2		6.19		20.7		17.8		18.5		3.74		1.35		5.53		2.25		8.66		4.99		0.12	U
1,4-Dichlorobenzene	8.0E+03	µg/m^3	0.12	U	0.12	U	0.21		0.192	J	0.385		0.132	J	1.2	U	5.95		0.521		0.541		0.126		0.271	J	1.2	U	0.355		0.331		0.24		0.12	U
2-Butanone	1.0E+04	µg/m^3	14.6		4.01		11.5		21.2		29.1		20.7		17.6		30.1		35.7		32.7		10.9		4.1	J	15.5		11.6		17.6		14		1.47	U
4-Ethyltoluene		µg/m^3	0.816		14.6		0.27		17.2		1.88		1.69		0.983	U	1.03		1.24		0.772		1.31		61.5		1.13		14.2		0.664		0.57		0.098	U
4-Methyl-2-pentanone (MIBK)	8.0E+02	µg/m^3	4.59		1.98	J	1.83	J	2.42	J	13.4		10.1		6.23	J	12.3	J	10.2		10.8		4.84		10.2	U	7.99	J	3.52		8.93		7.62		2.05	U
Acetone	3.5E+03	µg/m^3	118		38.7		67.9		112		53.9		24.9		59.4		48.5		34.4		80.1		15.4		23.6	J	60.3		65.8		34.7		27.8		4.75	U
Acrylonitrile	3.6E-01	µg/m^3	0.289	J	0.039	J	0.43	J	0.556	J	0.252	J	2.17	U	0.499	J	10.9	U	0.195	J	0.796	J	0.085	J	5.43	U	10.9	U	0.276	J	1.36	U	1.36	U	1.09	U
Benzene	3.1E+00	µg/m^3	1.58		0.495		2.78		3.64		3.29		2.03		1.63	J	1.88	J	1.96		3.87		19.7		0.767	J	0.735	J	1.9		0.524		0.508		0.319	U
Bromodichloromethane	1.4E+00	µg/m^3	0.134	U	0.134	U	0.134	U	0.268	U	0.268	U	0.268	U	1.34	U	1.34	U	0.447	U	0.447	U	0.134	U	0.67	U	1.34	U	0.134	U	0.167	U	0.167	U	0.134	U
Bromoform	2.2E+01	µg/m^3	0.207	U	0.207	U	0.207	U	0.414	U	0.414	U	0.414	U	2.07	U	2.07	U	0.69	U	0.69	U	0.207	U	1.03	U	2.07	U	0.207	U	0.258	U	0.258	U	0.207	U
Bromomethane	5.0E+01	µg/m^3	0.078	U	0.078	U	0.221		0.078	J	0.155	U	0.155	U	0.777	U	0.777	U	0.259	U	0.259	U	0.078	U	0.388	U	0.777	U	0.035	J	0.097	U	0.097	U	0.078	U
Carbon tetrachloride	1.6E+00	µg/m^3	7.49		2.08		0.239		0.39		70.5		1.59		1620		2130		49.8		5.24		160		550		881		1.26		2.25		2.01		0.126	U
Chlorobenzene	6.0E+02	µg/m^3	0.092	U	0.092	U	0.092	U	0.184	U	0.184	U	0.184	U	0.921	U	0.921	U	0.307	U	0.307	U	0.092	U	0.461	U	0.921	U	0.092	U	0.115	U	0.115	U	0.092	U
Chloroethane		µg/m^3	0.053	U	0.04	J	0.069		0.095	J	0.084	J	0.106	U	0.528	U	0.528	U	0.176	U	0.272		0.048	J	0.158	J	0.528	U	0.174		0.066	U	0.066	U	0.053	U
Chloroform	1.1E+00	µg/m^3	1.27		0.068	J	0.361		0.322		0.147	J	0.176	J	0.733	J	46.3		3.14		3.26		17		1.32		47.4		0.215		0.195		0.195		0.098	U
Chloromethane	2.4E+01	µg/m^3	0.318	J	0.504	J	0.553	J	0.962	J	0.306	J	0.285	J	10.3	U	10.3	U	0.413	J	1.03	J	0.33	J	0.95	J	10.3	U	1.2		0.289	J	0.409	J	1.03	U
cis-1,2-Dichloroethene	3.5E+02	µg/m^3	0.079	U	0.079	U	0.079	U	0.159	U	0.159	U	0.159	U	0.793	U	0.793	U	0.264	U	0.264	U	0.079	U	0.396	U	0.952		0.079	U	0.099	U	0.099	U	0.079	U
cis-1,3-Dichloropropene	6.1E+00	µg/m^3	0.091	U	0.091	U	0.091	U	0.182	U	0.182	U	0.182	U	0.908	U	0.908	U	0.303	U	0.303	U	0.091	U	0.454	U	0.908	U	0.091	U	0.113	U	0.113	U	0.091	U
Dibromochloromethane	1.0E+00	µg/m^3	0.17	U	0.17	U	0.17	U	0.341	U	0.341	U	0.341	U	1.7	U	1.7	U	0.568	U	0.568	U	0.17	U	0.852	U	1.7	U	0.17	U	0.213	U	0.213	U	0.17	U
Dichlorodifluoromethane	2.0E+03	µg/m^3	2.02		2.1		1.89		2.05		2.32		2.22		3.07		3.81		2.52		2.26		2.44		2.77		2.77		2.15		2.27		2.18		0.247	U
Ethylbenzene	2.2E+01	µg/m^3	1.04		5.39		0.665		13.9		5		4.27		0.478	J	1.35		1.14		1.14		6.25		0.847		1.09		0.608		0.821		0.738		0.087	U
Freon-113	3.0E+05	µg/m^3	0.506		0.468		0.429		0.445	J	2.47		0.674	J	0.69	J	61.6		10.2		0.511	J	90.4		1.49	J	1.61	J	0.506		0.604		0.517		0.383	U
Freon-114		µg/m^3	0.112	J	0.091	J	0.091	J	0.098	J	0.112	J	0.098	J	3.49	U	3.49	U	0.117	J	1.17	U	0.098	J	0.245	J	3.49	U	0.098	J	0.113	J	0.097	J	0.349	U
Hexachlorobutadiene	1.1E+00	µg/m^3	0.533	U	0.533	U	0.533	U	1.07	U	1.07	U	1.07	U	5.33	U	5.33	U	1.78	U	1.78	U	0.533	U	2.67	U	5.33	U	0.533	U	0.667	U	0.667	U	0.533	U
Isopropylbenzene	4.0E+03	µg/m^3	2.46	U	5.26		2.46	U	9.98		0.482	J	4.92	U	24.6	U	24.6	U	8.21	U	8.21	U	0.605	J	21.2		24.6	U	2.4	J	3.07	U	3.07	U	2.46	U
Methyl tert butyl ether	3.0E+04	µg/m^3	0.025	J	0.018	J	0.072	U	0.144	U	0.144	U	0.144	U	0.721	U	0.721	U	0.24	U	0.24	U	0.072	U	0.09	J	0.721	U	0.072	U	0.09	U	0.09	U	0.072	U
Methylene chloride	5.2E+01	µg/m^3	1.4	U	4	U	2.32	U	2.03	U	2.09	U	15.1	U	34.7	U	34.7	U	11.4	U	6.53	U	7.68	U	9.03	U	12.3	U	34	U	1.66	U	2.71	U	2.77	J
n-Butylbenzene	1.4E+03	µg/m^3	0.417	J	2.7	J	2.74	U	1.51	J	5.49	U	5.49	U	27.4	U	27.4	U	9.17	U	9.17	U	2.74	U	13.7	U	27.4	U	2.74	U	3.43	U	3.43	U	2.74	U
Naphthalene	3.0E+01	µg/m^3	0.975		0.87		0.215	J	0.147	J	0.378	J	0.294	J	2.62	U	2.62	U	0.297	J	0.279	U	3.31		0.472	U	2.62	U	0.336		0.387		0.361		0.262	U
o-Xylene	7.0E+04	µg/m^3	1.6		14.1		0.808		30.3		6.47		5.56		0.652	J	1.91		1.55		1.69		1.62		11.5		1.65		2.04		1.25		1.13		0.087	U
p-Isopropyltoluene		µg/m^3	1.62	J	5.17		2.74	U	3.38	J	5.49	U	5.49	U	27.4	U	27.4	U	9.17	U	9.17	U	2.74	U	13.7	U	27.4	U	0.45	J	0.467	J	0.418	J	2.74	U
p/m-Xylene	7.0E+04	µg/m^3	3.9		23.7		1.84		53.9		16		13.5		1.43	J	4.3		3.84		3.87		3.75		3.87		3.82		2.15		2.88		2.57		0.174	U
sec-Butylbenzene	1.4E+03	µg/m^3	2.74	U	3.25		2.74	U	3.79	J	5.49	U	5.49	U	27.4	U	27.4	U	9.17	U	9.17	U	2.74	U	1.45	J	27.4	U	0.291	J	3.43	U	3.43	U	2.74	U
Styrene	1.4E+04	µg/m^3	0.158		0.102		0.115		0.179		0.468		0.4		0.852	U	0.383	J	0.255	J	0.227	J	0.115		0.426	U	1.15		0.149		1.49		1.37		0.085	U
Tetrachloroethene	8.1E+00	µg/m^3	0.081	J	0.061	J	0.136	U	0.271	U	0.163	J	0.163	J	1.36	U	1.36	U	0.407	J	1.13		0.292		0.678	U	1.83		0.563		0.229		0.22		0.136	U
Toluene	4.0E+03	µg/m^3	7.91		1.32		4.6		5.43		15.6		14.8		3.13		8.4		10.6		11.8		14.8		4.67		799		53.1		205		190		0.188	U
trans-1,2-Dichloroethene	7.0E+02	µg/m^3	0.079	U	0.079	U	0.079	U	0.159	U	0.159	U	0.159	U	0.793	U	0.793	U	0.264	U	0.264	U	0.079	U	0.396	U	1.39		0.079	U	0.099	U	0.099	U	0.079	U
trans-1,3-Dichloropropene	6.1E+00	µg/m^3	0.091	U	0.091	U	0.091	U	0.182	U	0.182	U	0.182	U	0.908	U	0.908	U	0.303	U	0.303	U	0.091	U	0.454	U	0.908	U	0.091	U	0.113	U	0.113	U	0.091	U
Trichloroethene	2.2E-01	µg/m^3	12.5		0.451		0.258		0.183	J	0.183	J	1.26		1.07	U	1.29		2.47		23		0.081	J	0.296	J	1320		27.4		0.343		0.316		0.107	U
Trichlorofluoromethane	7.0E+03	µg/m^3	1.09		1.06		0.843		0.978		1.37		1.1		1.63	J	1.97	J	1.48		1.11		1.15		1.38	J	2.75	J	1.16		1.36		1.18		0.281	U
Vinyl chloride	2.8E+00	µg/m^3	0.051	U	0.051	U	0.018	J	0.102	U	0.102	U	0.102	U	0.511	U	0.511	U	0.171	U	0.171	U	0.051	U	0.256	U	0.511	U	0.051	U	0.064	U	0.064	U	0.051	U

Note 1: U.S. Environmental Protection Agency *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils*, Table 2c, Target Shallow Soil Gas Concentration to Satisfy Both the Prescribed Risk Level and the Target Hazard Index, dated November 20(

Indoor Air Sample Results Comparison with EPA Indoor Air Generic Screening Levels and NYSDoH Indoor Air Guidelines.

LOCATION SAMPLING DATE LAB SAMPLE ID	EPA Indoor Air Screening Level[1]	NYSDoH Indoor Air Guideline[2]	Units	AR5-3-A 04-APR-13 L1306330-05	Qual	AR6-3-A 04-APR-13 L1306330-06	Qual	AR7-3-A 04-APR-13 L1306330-07	Qual	AR8-3-A 04-APR-13 L1306330-12	Qual	AR9-3-A 04-APR-13 L1306330-13	Qual	AR10-3-A 04-APR-13 L1306330-14	Qual	AR11-3-A 05-APR-13 L1306330-20	Qual	AR14-3-A 05-APR-13 L1306330-24	Qual	AR15-3-A 05-APR-13 L1306330-25	Qual	AR15-3-A-D 05-APR-13 L1306330-26	Qual	AR16-3-A 04-APR-13 L1306330-15	Qual	AR17-3-A 05-APR-13 L1306330-19	Qual	TRIP BLANK 03-APR-13 L1306330-11	Qual
Volatile Organics in Air by SIM - Mansfield Lab																													
1,1,1,2-Tetrachloroethane	3.3E-01		µg/m^3	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
1,1,1-Trichloroethane	2.2E+03		µg/m^3	0.109	U	0.06	J	0.038	J	1.29		0.355		0.398		0.682		0.076	J	0.071	J	0.071	J	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane	4.2E-02		µg/m^3	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.124	J	0.117	J	0.137	U	0.137	U	0.137	U
1,1,2-Trichloroethane	1.5E-01		µg/m^3	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	5.0E+02		µg/m^3	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
1,1-Dichloroethene	2.0E+02		µg/m^3	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
1,2,3-Trichlorobenzene			µg/m^3	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U
1,2,4-Trichlorobenzene	2.0E+02		µg/m^3	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U
1,2,4-Trimethylbenzene	6.0E+00		µg/m^3	0.054	J	0.3		0.074	J	3.89		6.19		3.24		0.128		0.428		2.61		2.59		0.054	J	0.079	J	0.098	U
1,2-Dibromoethane	1.1E-02		µg/m^3	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
1,2-Dichlorobenzene	2.0E+02		µg/m^3	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,2-Dichloroethane	9.4E-02		µg/m^3	0.069	J	0.077	J	0.065	J	0.089		0.073	J	0.085		0.061	J	0.069	J	0.077	J	0.085		0.065	J	0.077	J	0.081	U
1,2-Dichloropropane	4.0E+00		µg/m^3	0.092	U	0.092	U	0.028	J	0.032	J	0.028	J	0.032	J	0.032	J	0.092	U	0.046	J	0.042	J	0.028	J	0.092	U	0.092	U
1,3,5-Trimethybenzene	6.0E+00		µg/m^3	0.098	U	0.089	J	0.025	J	1.21		2.04		1.04		0.044	J	0.118		0.718		0.708		0.025	J	0.03	J	0.098	U
1,3-Butadiene	8.7E-03		µg/m^3	0.095		1.07		0.281		0.471		0.378		0.372		0.04	J	0.119		0.254		0.296		0.044	U	0.029	J	0.044	U
1,3-Dichlorobenzene	1.1E+02		µg/m^3	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,4-Dichlorobenzene	8.0E+02		µg/m^3	0.277		0.06	J	0.12		14.9		0.679		0.77		0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
2-Butanone	1.0E+03		µg/m^3	0.852	J	2.2		1.31	J	4.36		3.48		4.01		0.976	J	2.2		3.72		4.42		0.487	J	1.5		1.47	U
4-Ethyltoluene			µg/m^3	0.098	U	0.089	J	0.098	U	1.17		1.89		0.954		0.098	U	0.113		0.644		0.639		0.098	U	0.098	U	0.098	U
4-Methyl-2-pentanone (MIBK)	8.0E+01		µg/m^3	2.05	U	2.05	U	2.05	U	0.643	J	0.422	J	0.389	J	2.05	U	1.74	J	5.2		4.84		2.05	U	2.05	U	2.05	U
Acetone	3.5E+02		µg/m^3	11.4		14.2		12.4		52.7		29.5		25.9		8.03		50.4		309		366		10.2		11		4.75	U
Acrylonitrile	3.6E-02		µg/m^3	1.09	U	0.065	J	1.09	U	0.059	J	0.035	J	0.039	J	1.09	U	1.09	U	0.072	J	0.085	J	1.09	U	1.09	U	1.09	U
Benzene	3.1E-01		µg/m^3	0.412		0.926		0.53		1.62		1.01		1.5		0.562		0.588		0.901		0.888		0.288	J	0.444		0.319	U
Bromodichloromethane	1.4E-01		µg/m^3	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.08	J	0.087	J	0.134	U	0.134	U	0.134	U
Bromoform	2.2E+00		µg/m^3	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U
Bromomethane	5.0E+00		µg/m^3	0.039	J	0.031	J	0.058	J	0.035	J	0.031	J	0.035	J	0.043	J	0.039	J	0.031	J	0.047	J	0.043	J	0.035	J	0.078	U
Carbon tetrachloride	1.6E-01		µg/m^3	0.591		1.79		4.22		3.45		0.679		0.66		3.85		0.453		0.591		0.591		0.359		0.359		0.126	U
Chlorobenzene	6.0E+01		µg/m^3	0.092	U	0.092	U	0.092	U	0.055	J	0.092	U	0.041	J	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
Chloroethane			µg/m^3	0.021	J	0.026	J	0.026	J	0.026	J	0.019	J	0.024	J	0.019	J	0.021	J	0.042	J	0.048	J	0.021	J	0.053	U	0.053	U
Chloroform	1.1E-01		µg/m^3	0.088	J	0.059	J	0.064	J	0.166		0.083	J	0.083	J	0.151		0.083	J	0.264		0.562		0.059	J	0.064	J	0.098	U
Chloromethane	2.4E+00		µg/m^3	1.41		1.21		1.32		1.54		1.24		1.26		1.05		1.18		1.44		1.68		1.21		1.2		1.03	U
cis-1,2-Dichloroethene	3.5E+01		µg/m^3	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.048	J	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene	6.1E-01		µg/m^3	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Dibromochloromethane	1.0E-01		µg/m^3	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.094	J	0.094	J	0.17	U	0.17	U	0.17	U
Dichlorodifluoromethane	2.0E+02		µg/m^3	2.16		2.02		2.05		2.24		2.25		2.17		2.72		2.24		2.14		2.35		2.16		2.25		0.247	U
Ethylbenzene	2.2E+00		µg/m^3	0.078	J	0.295		0.074	J	0.734		0.513		0.599		0.113		0.291		0.847		0.843		0.039	J	0.096		0.087	U
Freon-113	3.0E+04		µg/m^3	0.537		0.56		0.567		0.682		0.598		0.583		0.812		0.56		0.491		0.56		0.56		0.56		0.383	U
Freon-114			µg/m^3	0.105	J	0.105	J	0.105	J	0.105	J	0.105	J	0.105	J	0.098	J	0.105	J	0.091	J	0.105	J	0.105	J	0.105	J	0.349	U
Hexachlorobutadiene	1.1E-01		µg/m^3	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U
Isopropylbenzene	4.0E+02		µg/m^3	2.46	U	2.46	U	2.46	U	0.32	J	0.256	J	2.46	U	2.46	U	2.46	U	2.46	U	2.46	U	2.46	U	2.46	U	2.46	U
Methyl tert butyl ether	3.0E+03		µg/m^3	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
Methylene chloride	5.2E+00	6.0E+01	µg/m^3	3.47	U	0.98	U	3.47	U	4.86	U	1.84	U	6.7	U	1.83	U	1.4	U	2.8	U	1.8	U	1	U	0.889	U	2.77	J
n-Butylbenzene	1.4E+02		µg/m^3	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U
Naphthalene	3.0E+00		µg/m^3	0.063	J	0.157	J	0.184	J	1.16		0.907		1.09		0.225	J	0.173	J	0.367		0.351		0.262	U	0.262	U	0.262	U
o-Xylene	7.0E+03		µg/m^3	0.065	J	0.317		0.074	J	1.03		0.717		0.851		0.117		0.304		1.06		1.05		0.039	J	0.1		0.087	U
p-Isopropyltoluene			µg/m^3	2.74	U	2.74	U	2.74	U	2.63	J	1.21	J	1.13	J	2.74	U	2.74	U	1.56	J	1.49	J	2.74	U	2.74	U	2.74	U
p/m-Xylene	7.0E+03		µg/m^3	0.178		0.938		0.213		2.22		1.73		2.03		0.304		0.956		2.83		2.83		0.109	J	0.261		0.174	U
sec-Butylbenzene	1.4E+02		µg/m^3	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U	2.74	U
Styrene	1.0E+03		µg/m^3	0.055	J	0.094		0.064	J	0.302		0.268		0.272		0.085	U	0.064	J	0.83		0.826		0.085	U	0.085	U	0.085	U
Tetrachloroethene	8.1E-01	1.0E+02	µg/m^3	0.136	U	0.136	U	0.136	U	0.495		0.414		1.44		0.21		0.19		0.264		0.271		0.136	U	0.231		0.136	U
Toluene	4.0E+02		µg/m^3	0.35		1.81		0.411		4.15		2.34		3.33		0.754		76.9		524		516		0.373		0.592		0.188	U
trans-1,2-Dichloroethene	7.0E+01		µg/m^3	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.028	J	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
trans-1,3-Dichloropropene	6.1E-01		µg/m^3	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Trichloroethene	2.2E-02	5.0E+00	µg/m^3	0.107	U	0.597		0.059	J	1.3		1.57		2.52		0.107	U	0.613		0.607		0.607		0.107	U	0.107	U	0.107	U
Trichlorofluoromethane	7.0E+02		µg/m^3	1.23		1.27		1.28		1.26		1.28		1.28		1.14		1.31		1.37		1.56		1.27		1.29		0.281	U
Vinyl chloride	2.8E-01		µg/m^3	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U

Note 1: U.S. Environmental Protection Agency, *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils* , Table 2c, Target Indoor Air Concentration to Satisfy Both the Prescribed Risk Level and the Target Hazard Index, dated November 2002.

Note 2: NYDEC *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , New York State Department of Health (NYSDoH) values included in Tables 3.1 and 3.3, and Matrices 1 and 2, dated October 2006.

ALPHA ANALYTICAL

World Class Chemistry

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Lab Number: L1306330

Client: Stone Environmental

ATTN: Joe Schmidl

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

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Sample Delivery Group Information

Sample Delivery Group Form

Laboratory Job number: L1306330

Project Number: 102305-R-07

Project Name: SCOT NAVAL DEPOT **Received:** 04/11/2013 11:30

Client Account: Stone Environmental **Received by:** DJ

Samples Delivered by: FEDEX **Call Tracker #**

Bill Of Laden Yes **Trackingnum**

Coc Present Present

Container Status Intact **Sample IDs**

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt N/A **Are samples Properly Preserved?** Yes

Initial pH **preserved in house with** **Final pH**

Other Issues

Chlorine Check N/A

Are VOA/VPH Vials Present? No

Aqueous: Do Vials Contain Head Space? N/A

Soils: Is MeOHCovering the Soil? N/A

Reagent H2O Preserved vials Frozen on N/A

Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
N/A	Present/Intact	No	No	-	No	No

LIMS Chain of Custody

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 22 2013, 05:03 pm

Login Number: L1306330
Account: STONEENV Stone EnvironmentalProject: 102305-R-07
Received: 11APR13 Due Date: 18APR13

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-01	SV3-1-A		11	S0 04APR13 11:58	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. A2-DPKG-FULL Package Due Date: 04/18/13

A2-DPKG-FULL,A2-IT_MANAGEMENT,ADR-FEE,CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-02	SV4-1-A		11	S0 04APR13 12:14	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-03	SV2-1-A		11	S0 04APR13 11:18	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-04	SV1-1-A		11	S0 03APR13 17:40	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-05	AR5-3-A		10	S0 04APR13 15:00	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-06	AR6-3-A		10	S0 04APR13 14:07	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 22 2013, 05:03 pm

Login Number: L1306330
Account: STONEENV Stone EnvironmentalProject: 102305-R-07
Received: 11APR13 Due Date: 18APR13

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-07	AR7-3-A		10	S0 04APR13 15:19	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-08	SV5-1-A		11	S0 04APR13 15:44	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-09	SV6-1-A		11	S0 04APR13 16:08	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-10	SV7-1-A		11	S0 04APR13 16:22	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-11	TRIP BLANK		10	S0 03APR13 12:00	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-12	AR8-3-A		10	S0 04APR13 15:44	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 22 2013, 05:03 pm

Login Number: L1306330
Account: STONEENV Stone EnvironmentalProject: 102305-R-07
Received: 11APR13 Due Date: 18APR13

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-13	AR9-3-A	10	S0	04APR13 15:42	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-14	AR10-3-A	10	S0	04APR13 15:32	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-15	AR16-3-A	10	S0	04APR13 15:52	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-16	SV9-1-A	11	S0	04APR13 17:22	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-17	SV8-1-A	11	S0	04APR13 17:46	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-18	SV10-1-A	11	S0	04APR13 17:18	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 22 2013, 05:03 pm

Login Number: L1306330
Account: STONEENV Stone EnvironmentalProject: 102305-R-07
Received: 11APR13 Due Date: 18APR13

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-19	AR17-3-A		10	S0 05APR13 15:24	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-20	AR11-3-A		10	S0 05APR13 15:28	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-21	SV11-1-A		11	S0 05APR13 15:24	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-22	SV12-1-A		11	S0 05APR13 15:32	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-23	SV14-1-A		11	S0 05APR13 16:15	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-24	AR14-3-A		10	S0 05APR13 15:48	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 22 2013, 05:03 pm

Login Number: L1306330

Account: STONEENV Stone EnvironmentalProject: 102305-R-07
Received: 11APR13 Due Date: 18APR13

Sample #	Client ID	Mat	PR	Collected	Container
L1306330-25	AR15-3-A	10	S0	05APR13 15:44	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-26	AR15-3-A-D	10	S0	05APR13 15:44	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-27	SV13-1-A	11	S0	05APR13 16:10	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-28	SV15-1-A	11	S0	05APR13 16:05	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-29	SV15-1-A-D	11	S0	05APR13 16:05	1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,FLOW-RENT,TO15-SIM

L1306330-30	CAN 1564	10	S0		1-Can-6

Batch samples together and do not include other clients. Report all data to J-Qual levels. Package Due Date: 04/18/13

CAN-RENT,CLEAN-FEE,FLOW-RENT

Logged By: Chris Anderson

Communications

Call Tracker Report

Call # 48051

Call #:	48051	Contact:	Joe Schmidl
Call Date:	04/17/13 14:09	Company:	Stone Environmental
Status:	NEED	Acct #:	STONEENV
Date:	04/17/13 14:09	Project #:	102305-R-07
Operator:	CANDERSON	Client Proj:	
Type:	Live	Login #:	L1306330

Call Details

-----Original Message-----
From: Joseph Schmidl [mailto:jschmidl@stone-env.com]
Sent: Wednesday, April 17, 2013 9:29 AM
To: canderson@alphalab.com
Subject: RE: Alpha Sample Receipt for L1306330 PROJECT: 102305-R-07 - SCOT NAVAL DEPOT

Chris,

We had two flow controllers that the digital displays were "dead" on. We set one aside on day one, and used one (242), despite its lack of readings (even when we replaced the batteries), hoping it would function (which it appears to have done). But we were unable to obtain the beginning and ending readings per our SOP. We also had one canister (1564) that appeared to be at ambient pressure, which meant we lost a sample location.

In reviewing your invoice, it appears we were billed correctly for the canisters, but I see that you dropped only one, not two of the controllers. Would you please consider dropping the second controller from your invoice? Thanks for your consideration.

Joe Schmidl
Senior Project Manager

Chain of Custody

AIR ANALYSIS

PAGE 1 OF 3

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1306330

Client Information

Client: Stone Environmental Inc
Address: 535 Stonecutters Way
Montpelier VT 05602
Phone: (802) 229 4541
Fax: (802) 229 5417
Email: jschmidl@stone-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Scotia Naval Depot
Project Location: Scotia NY
Project #: 102305-R-07
Project Manager: Joe Schmidl
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: SEDD
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 102305-R07

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NY DOH		

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS: TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
1	SV3-1-A	4/4/13	1128	1158	-28.77	-6.82	SV	DN	6L	1546	0250		☒	☒					PID=3.5
2	SV4-1-A	4/4/13	~~1214~~	1214	-25.62	-12.7	SV	DN	6L	1789	0049			☒					2.7
3	SV2-1-A	4/4/13	~~1118~~ 1050	1118	-29.21	-7.3	SV	DN	6L	993	214			☒					4.5
4	SV1-1-A	~~4/3/13~~ 4/4/13	1712	1740	-29.06	-5.38	SV	DN	6L	946	0078			☒					0.9
5	~~AR~~ 5-3-A	4/4/13	0710	1500	-29.65	-4.95	AA	DN	6L	1528	0029 ~~1505~~			☒					
6	AR6-3-A	4/4/13	0716	1407	-29.6	-5.06	AA	DN	6L	~~978~~ 578	0577	4/5/13		☒					
7	AR7-3-A	4/4/13	0719	1519	-29.5	-4.63	AA	DN	6L	~~588~~ 978	0204	4/5/13		☒					
8	SV5-1-A	4/4/13	0820	1544	-29.77	-4.48	SV	DN	6L	1544	0227			☒					1.0
9	SV6-1-A	4/4/13	0836	1600	-29.62	-5.90	SV	DN	6L	3190	0124			☒					0.5
10	SV7-1-A	4/4/13	0859	1622	-29.31	-5.30	SV	DN	6L	1712	0141			☒					3.3
										Container Type	Summa			☒					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By:	Date/Time	Received By:	Date/Time:
Bec Rodberg	4/8/13 10:00	FedEx	
FedEx	4/11/13 1130		4/11/13 1130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (19-Jun-09)

AIR ANALYSIS

PAGE 2 OF 3

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1306330

Client Information

Client: Stone Environmental Inc
Address: 535 Stonecutters Way
Montpelier VT 05602
Phone: (802) 229 4541
Fax: (802) 229 5417
Email: JSchmidl@StoneEnv.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Scotia Naval Depot
Project Location: Scotia NY
Project #: 102305-R-07
Project Manager: Joe Schmidl
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: EQuIS
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 102305-R107

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYDOH		

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
11 ✓	Trip Blank	4/3/13	1200	1200	NA	NA	AA	DN	6L	687	NA			X					
12 ✓	AR8-3-A	4/4/13	7:38	1544	-29.2	-4.65	AA	JS	6L	933	357			X					
13 ✓	AR9-3-A	4/4/13	7:42	1542	-29.1	-7.51	AA	JS	6L	1552	559			X					
14 ✓	AR10-3-A	4/4/13	7:46	1532	-29.1	-4.16	AA	JS	6L	708	384			X					
15 ✓	AR16-3-A	4/4/13	7:32	1552	-29.4	-5.65	AA	JS	6L	939	558			X					
16 ✓	~~SV9-3-A~~ SV9-3-4 A DN 4/5/13	4/4/13	9:33	1722	-29.42	-5.01	SV	JS	6L	943	212			X					PID = 1.6
17 ✓	~~SV8-3-A~~ SV8-3-4 A DN 4/5/13	4/4/13	9:46	1746	-29.68	-6.46	SV	JS	6L	999	315			X					PID = 1.1
18 ✓	~~SV10-3-A~~ SV10-3-4 A DN 4/5/13	4/4/13	9:18	1718	-29.60	-6.30	SV	JS	6L	783	183			X					PID = 5.4
19 ✓	AR17-3-A	4/5/13	07:24	1524	-29.27	-6.36	AA	JS	6L	760	552			X					
20 ✓	AR11-3-A	4/5/13	07:29	1528	-29.32	-5.21	AA	JS	6L	1867	557			X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
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Other = Please Specify

Container Type: Summa — X

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
See Rodera	4/8/13 10:00	FedEx	
FedEx	4/11/13 1120		4/11/13 1130

Form No: 101-02 (19-Jun-09)

AIR ANALYSIS

PAGE 3 OF 3

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1306330

Client Information

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Project Information

Project Name: Scotia Naval Depot
Project Location: Scotia NY
Project #: 102305-R-07
Project Manager: Joe Schmidl
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: **Time:**

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: SEDD
Report to: *(if different than Project Manager)*

Billing Information

☒ Same as Client info PO #: 102305-R-07

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
21 ✓	SV11-1-A	4/5/13	742	1524	-28.90	-4.8	SV	JS	6L	1516	256			X					PID = 4.0
22 ✓	SV12-1-A	4/5/13	751	1532	-29.1	-?	SV	JS	6L	06837	242			X					PID = 3.6
23 ✓	SV14-1-A	4/5/13	8:21	1615	-28.31	-4.97	SV	JS	6L	405	581			X					PID = 6.6 ON 4/11/13
24 ✓	AR14-3-A	4/5/13	731	1518	~~-29.15~~ -29.48 ON 4/5/13	-5.72	AA	JS	6L	1637	126			X					
25 ✓	AR15-3-A	4/5/13	727	1549	-28.15	-5.71	AA	JS	6L	1586	207			X					
26 ✓	AR15-3-A-D	~~4/5/13~~ 4/5/13	727	1544	-29.30	-6.05	AA	JS	6L	811	562			X					
30 ✓	~~SV13-1-A~~ DO	~~4/5/13~~	0830		-29.31		SV	~~DO~~ ON	6L	~~1561~~									Bad Can Do not analyze
27 ✓	SV13-1-A	4/5/13	0830	1610	-29.81	-7.03	SV	ON	6L	1673	0019			X					PID = 8.5
28 ✓	SV15-1-A	4/5/13	817	1605	-29.62	-5.65	SV	ON	6L	739	0580			X					PID = 0.5
29 ✓	SV15-1-A-D	4/5/13	817	1605	-29.5	-6.90	SV	ON	6L	785	0040			X					PID = 0.5

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
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Other = Please Specify

Container Type: Summa — X

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
See Rosberg FED EX	4/18/13 10:00	FedEx	
	4/11/13 1130		4/11/13 1130

Form No: 101-02 (19-Jun-09)

Organics

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Initial Calibration

Response Factor Report Air Piano 1

Method Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Method File : TSIM130402.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:20:57 2013
Response Via : Initial Calibration

Calibration Files
0.02=R127391.D 0.04=R127392.D 0.1 =R127393.D 0.2 =R127394.D 0.5 =R127395.D 1.0 =R127396.D
2.5 =R127397.D 5.0 =R127398.D 10.0=R127399.D 20.0=R127400.D 50.0=R127401.D

		Compound	0.02	0.04	0.1	0.2	0.5	1.0	2.5	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	----------	ISTD	----------										
2)		propylene		0.725	0.593	0.572	0.575	0.565	0.533	0.525	0.512	0.496	0.475	0.5572	12.58
3)		dichlorodifl...	1.688	1.387	1.298	1.288	1.336	1.257	1.264	1.221	1.223	1.162	1.119	1.2949	11.62
4)	C	chloromethane		0.991	0.750	0.706	0.685	0.669	0.633	0.623	0.607	0.587	0.561	0.6812	18.04
5)		Freon-114	1.781	1.487	1.418	1.429	1.449	1.434	1.387	1.358	1.336	1.286	1.209	1.4156	10.24
6)	C	vinyl chloride	0.716	0.608	0.577	0.584	0.591	0.589	0.568	0.558	0.547	0.534	0.508	0.5800	9.21
7)	C	1,3-butadiene	0.632	0.428	0.468	0.462	0.470	0.465	0.445	0.442	0.435	0.425	0.406	0.4617	13.03
8)	C	bromomethane	0.713	0.533	0.521	0.507	0.521	0.516	0.499	0.493	0.481	0.470	0.449	0.5184	13.36
9)	C	chloroethane	0.361	0.290	0.260	0.249	0.260	0.252	0.247	0.242	0.235	0.232	0.222	0.2592	14.79
10)		ethanol			0.502	0.492	0.504	0.503	0.494	0.481	0.467	0.444	0.410	0.4774	6.71
11)	C	vinyl bromide	0.618	0.511	0.519	0.517	0.530	0.526	0.509	0.501	0.491	0.480	0.461	0.5148	7.76
12)		acetone			1.293	1.222	1.142	1.108	1.062	1.039	1.014	0.976	0.883	1.0820	11.59
13)		trichloroflu...	1.916	1.573	1.544	1.549	1.590	1.577	1.532	1.515	1.483	1.444	1.373	1.5541	8.77
14)		isopropyl al...					1.753	1.646	1.441	1.413	1.351	1.314	1.273	1.4560	12.26
15)	C	acrylonitrile	0.637	0.459	0.524	0.542	0.545	0.531	0.525	0.515	0.515	0.508	0.489	0.5264	8.36
16)	C	1,1-dichloro...	1.146	0.964	0.961	0.955	1.005	0.993	0.966	0.957	0.932	0.914	0.871	0.9695	7.11
17)	C	methylene ch...					1.097	0.992	0.905	0.880	0.850	0.825	0.781	0.9044	11.94
18)	C	3-chloropropene	1.010	0.899	0.895	0.878	0.913	0.896	0.877	0.861	0.837	0.814	0.777	0.8778	6.85
19)	C	carbon disul...			1.712	1.572	1.535	1.494	1.423	1.415	1.399	1.354	1.292	1.4663	8.66
20)		Freon 113	1.360	1.076	1.069	1.064	1.097	1.091	1.061	1.055	1.040	1.005	0.958	1.0796	9.38
21)		Halothane	0.870	0.705	0.705	0.698	0.723	0.720	0.712	0.708	0.696	0.750	0.645	0.7210	7.70
22)		trans-1,2-di...	1.008	0.926	0.905	0.919	0.960	0.951	0.917	0.916	0.904	0.959	0.921	0.9352	3.35
23)	C	1,1-dichloro...	1.270	1.153	1.038	1.043	1.087	1.077	1.046	1.033	1.023	1.094	1.049	1.0829	6.68
24)	C	MTBE	1.545	1.396	1.262	1.270	1.318	1.301	1.263	1.243	1.239	1.331	1.270	1.3127	6.84
25)	C	vinyl acetate	2.451	2.263	1.814	1.793	1.843	1.829	1.778	1.793	1.750	1.896	1.810	1.9110	11.92
26)	C	2-butanone	2.347	2.013	1.586	1.554	1.796	1.736	1.452	1.659	1.438	1.577	1.496	1.6958	16.15
27)		cis-1,2-dich...	1.037	0.885	0.908	0.920	0.967	0.958	0.936	0.924	0.911	0.885	0.853	0.9258	5.33
28)		Ethyl Acetate	0.243	0.195	0.226	0.219	0.231	0.228	0.226	0.223	0.222	0.214	0.207	0.2211	5.68
29)	C	chloroform	1.243	1.205	1.155	1.172	1.219	1.212	1.176	1.164	1.144	1.107	1.060	1.1691	4.51
30)		Tetrahydrofuran	0.958	0.902	0.992	0.999	0.978	0.958	0.934	0.939	0.919	0.865	0.832	0.9341	5.59
31)	C	1,2-dichloro...	1.032	0.943	0.885	0.882	0.902	0.896	0.866	0.853	0.842	0.824	0.790	0.8832	7.27

Response Factor Report Air Piano 1

Method Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Method File : TSIM130402.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:20:57 2013
Response Via : Initial Calibration

Calibration Files
0.02=R127391.D 0.04=R127392.D 0.1 =R127393.D 0.2 =R127394.D 0.5 =R127395.D 1.0 =R127396.D
2.5 =R127397.D 5.0 =R127398.D 10.0=R127399.D 20.0=R127400.D 50.0=R127401.D

		Compound	0.02	0.04	0.1	0.2	0.5	1.0	2.5	5.0	10.0	20.0	50.0	Avg	%RSD
32)	I	1,4-difluorobenzene	----------ISTD----------												
33)	C	hexane	0.517	0.524	0.462	0.491	0.508	0.498	0.475	0.479	0.473	0.461	0.456	0.4858	4.83
34)	s	1,2-dichloro...	0.249	0.291	0.290	0.298	0.303	0.297	0.300	0.304	0.301	0.301	0.302	0.2942	5.32
35)	C	1,1,1-trichl...	0.428	0.546	0.547	0.544	0.573	0.562	0.544	0.551	0.536	0.530	0.528	0.5353	7.05
36)	C	benzene		0.817	0.806	0.797	0.822	0.814	0.782	0.793	0.772	0.745	0.754	0.7902	3.35
37)	C	carbon tetra...	0.590	0.578	0.579	0.583	0.612	0.606	0.583	0.595	0.581	0.576	0.574	0.5871	2.15
38)		cyclohexane	0.546	0.521	0.518	0.516	0.538	0.527	0.505	0.511	0.491	0.491	0.493	0.5142	3.61
39)	C	1,2-dichloro...	0.398	0.327	0.339	0.338	0.362	0.355	0.343	0.347	0.342	0.336	0.337	0.3475	5.54
40)		bromodichlor...	0.612	0.579	0.588	0.594	0.627	0.615	0.598	0.607	0.601	0.593	0.597	0.6010	2.24
41)	C	1,4-dioxane	0.183	0.169	0.170	0.174	0.184	0.179	0.176	0.177	0.179	0.173	0.175	0.1764	2.64
42)	C	trichloroethene	0.405	0.364	0.379	0.383	0.404	0.398	0.390	0.394	0.386	0.377	0.372	0.3864	3.38
43)	C	2,2,4-trimet...	1.595	1.626	1.611	1.616	1.701	1.663	1.605	1.624	1.581	1.531	1.511	1.6059	3.33
44)		heptane	0.770	0.737	0.679	0.683	0.711	0.696	0.669	0.675	0.663	0.647	0.629	0.6873	5.85
45)	C	cis-1,3-dich...	0.412	0.392	0.424	0.433	0.456	0.454	0.436	0.451	0.441	0.438	0.438	0.4341	4.37
46)	C	4-methyl-2-p...	0.875	0.698	0.869	0.900	0.957	0.959	0.926	0.958	0.933	0.908	0.890	0.8976	8.21
47)		trans-1,3-di...	0.397	0.370	0.419	0.422	0.458	0.454	0.447	0.457	0.455	0.443	0.455	0.4344	6.73
48)	C	1,1,2-trichl...	0.310	0.328	0.329	0.336	0.360	0.355	0.343	0.346	0.342	0.335	0.336	0.3382	4.02
49)	I	chlorobenzene-D5	----------ISTD----------												
50)	C	toluene		4.119	4.061	4.188	4.196	4.131	4.085	4.056	4.003	3.888	3.810	4.0536	3.07
51)	s	toluene-D8	3.052	2.978	2.956	3.147	3.062	3.082	3.107	3.073	3.097	3.086	3.101	3.0673	1.82
52)		2-hexanone	2.753	2.087	3.037	3.362	3.555	3.573	3.903	3.821	3.766	3.664	3.535	3.3687	16.19
53)		dibromochlor...	2.721	2.672	2.792	2.920	3.007	3.009	2.971	2.983	2.953	2.939	2.963	2.9027	4.07
54)	C	1,2-dibromoe...	2.289	2.201	2.342	2.492	2.559	2.543	2.498	2.503	2.471	2.411	2.405	2.4286	4.62
55)	C	tetrachloroe...	2.018	2.004	2.036	2.161	2.173	2.175	2.136	2.123	2.095	2.059	2.038	2.0926	3.08
56)		1,1,1,2-tetr...	2.058	2.004	2.045	2.144	2.191	2.184	2.169	2.168	2.127	2.101	2.066	2.1143	3.01
57)	C	chlorobenzene	3.389	3.237	3.288	3.468	3.558	3.552	3.455	3.454	3.397	3.324	3.243	3.3969	3.34
58)	C	ethylbenzene	4.952	4.924	5.003	5.294	5.399	5.435	5.361	5.317	5.272	5.144	5.014	5.1922	3.66
59)	C	m+p-xylene	3.838	3.691	3.921	4.158	4.208	4.274	4.194	4.172	4.094	3.994	3.857	4.0366	4.66
60)	C	bromoform	2.721	2.569	2.744	2.899	2.998	3.040	3.044	3.063	3.082	3.079	3.077	2.9378	6.12
61)	C	styrene	2.619	2.494	3.263	3.471	3.220	3.286	3.257	3.256	3.226	3.165	3.141	3.1272	9.46

Method Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Method File : TSIM130402.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:20:57 2013
Response Via : Initial Calibration

Calibration Files
0.02=R127391.D 0.04=R127392.D 0.1 =R127393.D 0.2 =R127394.D 0.5 =R127395.D 1.0 =R127396.D
2.5 =R127397.D 5.0 =R127398.D 10.0=R127399.D 20.0=R127400.D 50.0=R127401.D

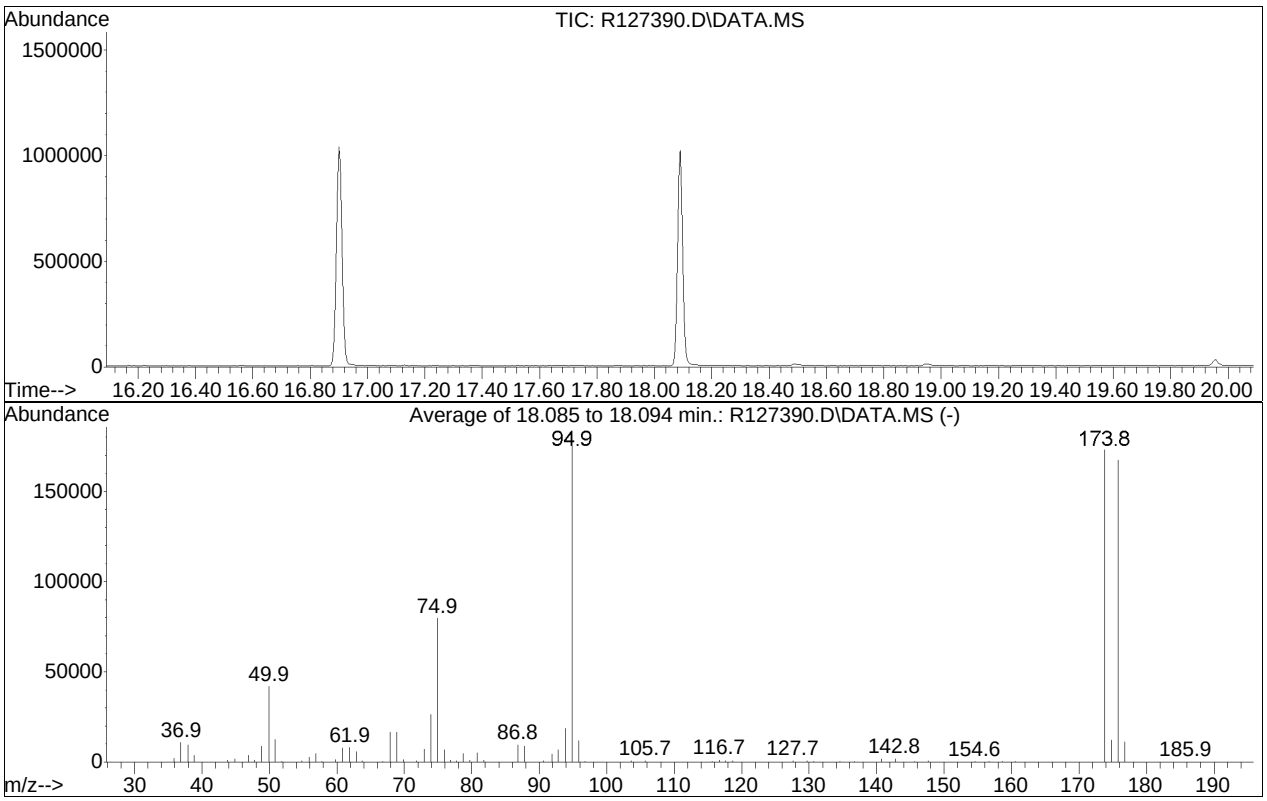
		Compound	0.02	0.04	0.1	0.2	0.5	1.0	2.5	5.0	10.0	20.0	50.0	Avg	%RSD
62)	C	1,1,2,2-tetr...	3.204	2.975	3.126	3.395	3.499	3.488	3.451	3.433	3.385	3.287	3.192	3.3121	5.12
63)	C	o-xylene	4.296	3.917	4.094	4.336	4.410	4.395	4.329	4.289	4.224	4.083	3.900	4.2067	4.32
64)	s	bromofluorob...	2.287	2.240	2.212	2.371	2.295	2.315	2.362	2.367	2.357	2.346	2.369	2.3202	2.40
65)	C	isopropylben...	6.067	5.656	6.064	6.345	6.498	6.482	6.465	6.370	6.214	6.012	5.731	6.1730	4.77
66)		4-ethyl toluene	5.521	5.351	5.878	6.249	6.526	6.590	6.489	6.376	6.341	6.104	5.838	6.1148	6.82
67)		1,3,5-trimet...	4.602	4.451	4.943	5.271	5.344	5.369	5.282	5.143	5.115	4.952	4.735	5.0189	6.21
68)		tert-butylbe...	5.874	5.546	5.565	5.870	6.032	6.011	5.990	5.956	5.737	5.455	4.927	5.7238	5.82
69)		1,2,4-trimet...	4.940	4.521	4.861	5.158	5.316	5.309	5.265	5.259	5.160	4.933	4.550	5.0247	5.75
70)	C	Benzyl Chloride	3.864	3.542	3.864	4.153	4.509	4.623	4.709	4.772	4.809	4.707	4.693	4.3858	10.23
71)		1,3-dichloro...	3.550	3.144	3.570	3.795	4.011	4.059	4.027	4.043	4.019	3.876	3.731	3.8023	7.56
72)	C	1,4-dichloro...	3.487	3.268	3.648	3.903	4.086	4.141	4.093	4.084	4.064	3.954	3.800	3.8663	7.43
73)		sec-butylben...	7.260	7.034	7.642	8.044	8.368	8.357	8.359	8.278	7.980	7.671	7.184	7.8344	6.45
74)		p-isopropylt...	6.428	6.061	6.668	7.058	7.330	7.423	7.411	7.380	7.089	6.836	6.311	6.9088	7.00
75)		1,2-dichloro...	3.251	3.148	3.398	3.674	3.851	3.898	3.867	3.863	3.857	3.747	3.668	3.6567	7.34
76)		n-butylbenzene	5.851	5.295	5.789	6.244	6.652	6.713	6.756	6.726	6.486	6.272	5.981	6.2515	7.63
77)	C	1,2,4-trichl...	2.321	1.981	2.362	2.668	3.168	3.251	3.188	3.348	3.465	3.400	3.174	2.9387	17.45
78)		naphthalene		4.828	6.185	6.815	8.027	8.089	7.456	7.897	8.099	8.010	8.100	7.3505	14.96
79)		1,2,3-trichl...	2.364	2.087	2.523	2.830	3.400	3.498	3.097	3.323	3.545	3.543	3.616	3.0750	17.59
80)	C	hexachlorobu...	2.120	1.948	2.188	2.394	2.686	2.681	2.568	2.698	2.724	2.688	2.589	2.4805	11.10

(#) = Out of Range

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127390.D
Acq On : 2 Apr 2013 11:12 pm
Operator : AIRPIANO1:RY
Sample : WG599306-1,3,250,250
Misc : WG599306
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:20:57 2013



AutoFind: Scans 3254, 3255, 3256; Background Corrected with Scan 3246

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.7	42029	PASS
75	95	30	66	45.1	79779	PASS
95	95	100	100	100.0	177024	PASS
96	95	5	9	6.7	11856	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.7	172928	PASS
175	174	4	9	7.1	12322	PASS
176	174	93	101	96.7	167253	PASS
177	176	5	9	6.7	11166	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127391.D
Acq On : 2 Apr 2013 11:46 pm
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.02
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:41:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	210294	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 81.16%			
32) 1,4-difluorobenzene	12.49	114	543850	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 98.29%			
49) chlorobenzene-D5	16.90	54	127334	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 96.39%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	135427	8.199	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.99%			
51) toluene-D8	15.21	98	388658	9.933	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.33%			
64) bromofluorobenzene	18.09	95	291181	9.662	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.62%			
Target Compounds						Qvalue
2) propylene	4.08	41	394	0.036	ppbV	92
3) dichlorodifluoromethane	4.18	85	710	0.028	ppbV	91
4) chloromethane	4.40	50	664	0.051	ppbV #	79
5) Freon-114	4.55	85	749	0.026	ppbV #	93
6) vinyl chloride	4.71	62	301	0.026	ppbV #	35
7) 1,3-butadiene	4.91	54	266	0.029	ppbV #	1
8) bromomethane	5.30	94	300	0.029	ppbV #	78
9) chloroethane	5.55	64	152	0.030	ppbV #	5
10) ethanol	5.76	31	1533	0.152	ppbV #	63
11) vinyl bromide	6.04	106	260	0.025	ppbV	90
12) acetone	6.43	43	5226	0.239	ppbV #	90
13) trichlorofluoromethane	6.62	101	806	0.025	ppbV	87
14) isopropyl alcohol	6.79	45	1580	0.053	ppbV #	76
15) acrylonitrile	7.04	53	268	0.025	ppbV #	69
16) 1,1-dichloroethene	7.47	61	482	0.024	ppbV #	51
17) methylene chloride	7.64	49	3090	0.167	ppbV	90
18) 3-chloropropene	7.79	41	425	0.023	ppbV #	81
19) carbon disulfide	7.97	76	1732	0.058	ppbV #	1
20) Freon 113	7.99	101	572	0.026	ppbV #	85
21) Halothane	8.59	117	366	0.025	ppbV #	73
22) trans-1,2-dichloroethene	8.82	61	424	0.022	ppbV #	51
23) 1,1-dichloroethane	9.07	63	534	0.025	ppbV #	38
24) MTBE	9.19	73	650	0.025	ppbV #	1
25) vinyl acetate	9.28	43	1031	0.027	ppbV #	97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127391.D
Acq On : 2 Apr 2013 11:46 pm
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.02
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:41:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.60	43	987M3	0.028	ppbV		
27) cis-1,2-dichloroethene	10.07	61	436	0.022	ppbV	#	55
28) Ethyl Acetate	10.39	61	102	0.022	ppbV	#	1
29) chloroform	10.43	83	523	0.021	ppbV		93
30) Tetrahydrofuran	10.94	42	403M3	0.020	ppbV		
31) 1,2-dichloroethane	11.27	62	434	0.024	ppbV	#	51
33) hexane	10.32	57	562	0.022	ppbV	#	38
35) 1,1,1-trichloroethane	11.56	97	466	0.016	ppbV	#	81
36) benzene	12.08	78	996	0.023	ppbV	#	71
37) carbon tetrachloride	12.25	117	642	0.020	ppbV	#	89
38) cyclohexane	12.39	56	594	0.021	ppbV	#	45
39) 1,2-dichloropropane	13.02	63	433	0.023	ppbV	#	19
40) bromodichloromethane	13.24	83	666	0.020	ppbV	#	91
41) 1,4-dioxane	13.35	88	199M3	0.021	ppbV		
42) trichloroethene	13.28	130	441	0.021	ppbV	#	80
43) 2,2,4-trimethylpentane	13.32	57	1735	0.020	ppbV	#	36
44) heptane	13.61	43	838	0.023	ppbV		91
45) cis-1,3-dichloropropene	14.27	75	448	0.018	ppbV	#	1
46) 4-methyl-2-pentanone	14.35	43	952M3	0.018	ppbV		
47) trans-1,3-dichloropropene	14.85	75	432	0.017	ppbV	#	1
48) 1,1,2-trichloroethane	15.04	97	337M2	0.018	ppbV		
50) toluene	15.31	91	1132	0.022	ppbV		95
52) 2-hexanone	15.61	43	701M4	0.014	ppbV		
53) dibromochloromethane	15.73	129	693	0.018	ppbV	#	95
54) 1,2-dibromoethane	15.96	107	583	0.018	ppbV		98
55) tetrachloroethene	16.36	166	514	0.019	ppbV	#	78
56) 1,1,1,2-tetrachloroethane	16.93	131	524	0.019	ppbV	#	86
57) chlorobenzene	16.93	112	863	0.020	ppbV	#	78
58) ethylbenzene	17.23	91	1261	0.019	ppbV		92
59) m+p-xylene	17.37	91	1955	0.037	ppbV		99
60) bromoform	17.46	173	693	0.018	ppbV		95
61) styrene	17.66	104	667	0.016	ppbV	#	85
62) 1,1,2,2-tetrachloroethane	17.74	83	816	0.019	ppbV		91
63) o-xylene	17.74	91	1094	0.020	ppbV		96
65) isopropylbenzene	18.18	105	1545	0.019	ppbV		95
66) 4-ethyl toluene	18.67	105	1406	0.017	ppbV	#	88
67) 1,3,5-trimethylbenzene	18.72	105	1172	0.018	ppbV	#	95
68) tert-butylbenzene	19.03	119	1496	0.020	ppbV		98
69) 1,2,4-trimethylbenzene	19.03	105	1258	0.019	ppbV		92
70) Benzyl Chloride	19.15	91	984M3	0.016	ppbV		
71) 1,3-dichlorobenzene	19.17	146	904	0.018	ppbV	#	87

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127391.D
Acq On : 2 Apr 2013 11:46 pm
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.02
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:41:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	888	0.017	ppbV #	75
73) sec-butylbenzene	19.23	105	1849	0.018	ppbV	98
74) p-isopropyltoluene	19.35	119	1637	0.017	ppbV	92
75) 1,2-dichlorobenzene	19.48	146	828	0.017	ppbV #	76
76) n-butylbenzene	19.67	91	1490	0.017	ppbV	92
77) 1,2,4-trichlorobenzene	20.93	180	591	0.014	ppbV #	80
78) naphthalene	21.06	128	1584	0.016	ppbV #	86
79) 1,2,3-trichlorobenzene	21.31	180	602	0.014	ppbV #	75
80) hexachlorobutadiene	21.36	225	540	0.016	ppbV #	86

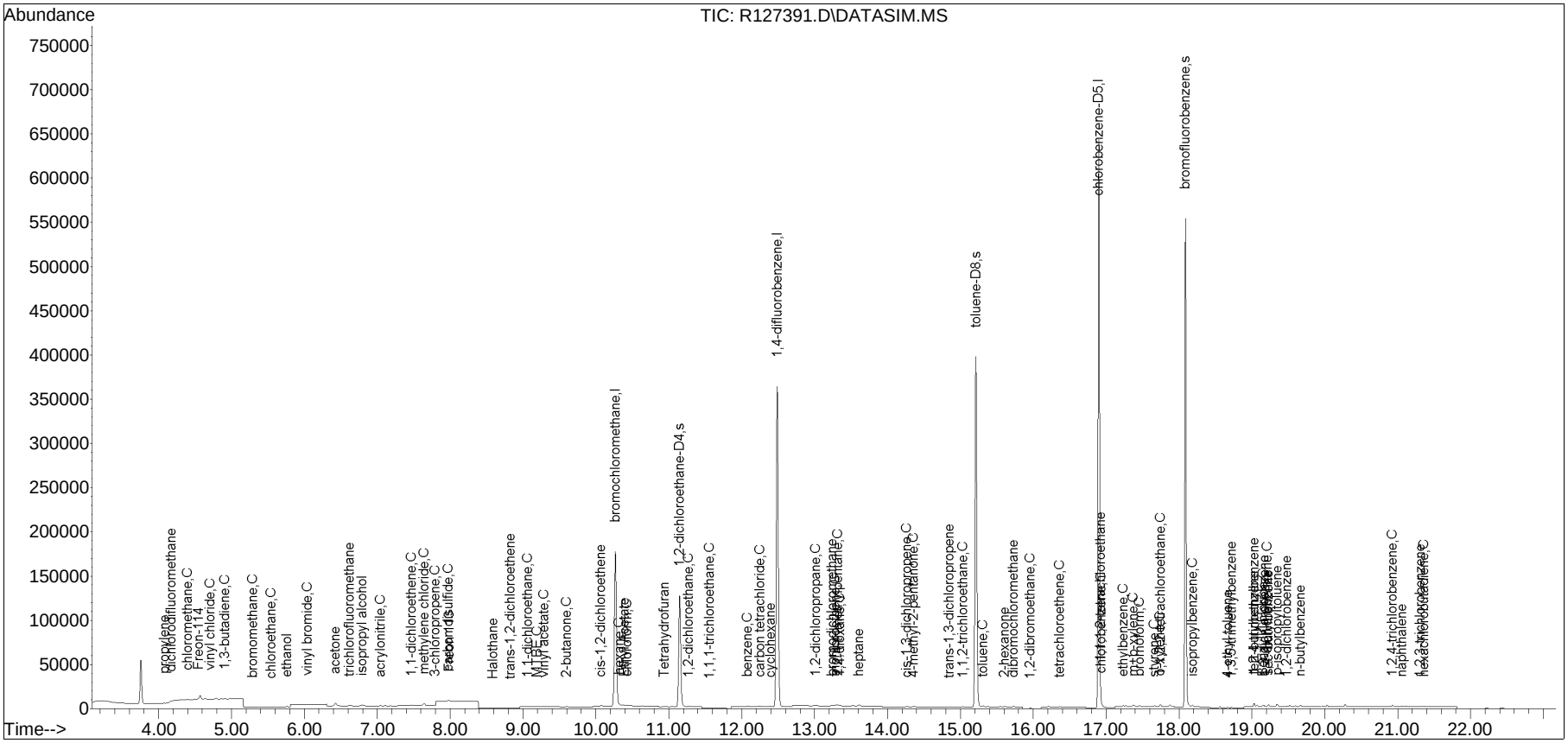
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127391.D
Acq On : 2 Apr 2013 11:46 pm
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.02
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:41:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

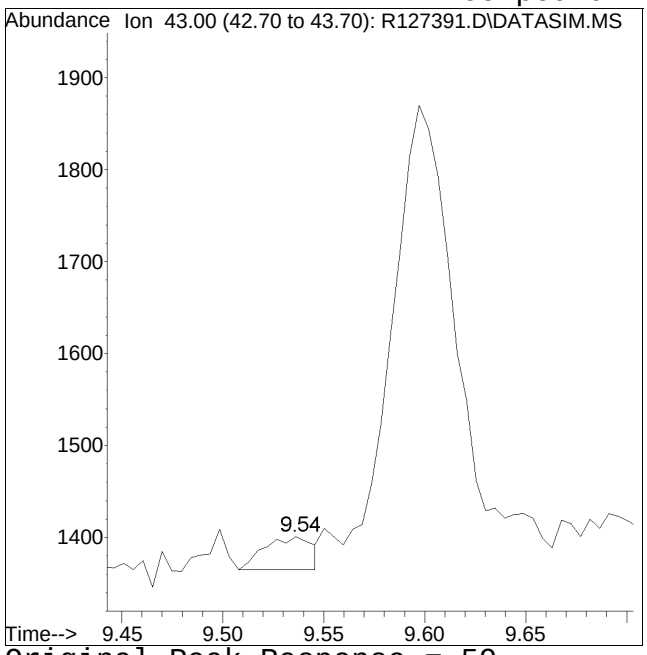


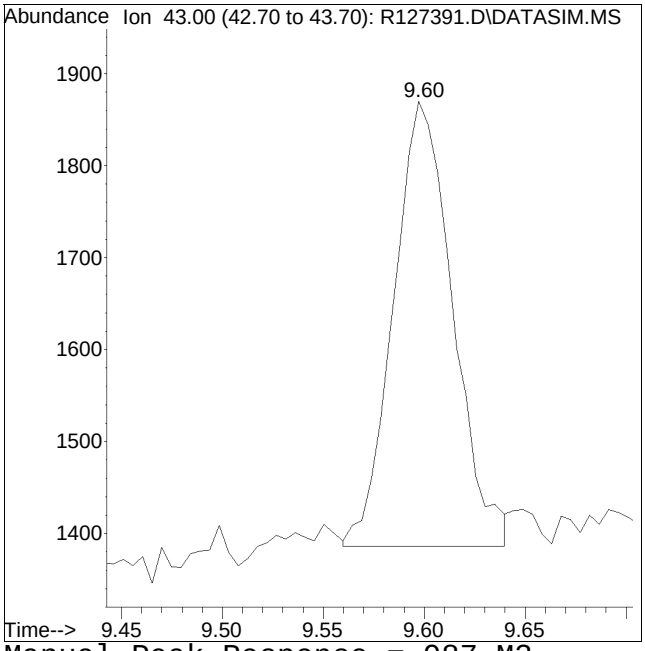
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #26: 2-butanone





Original Peak Response = 59 Manual Peak Response = 987 M3

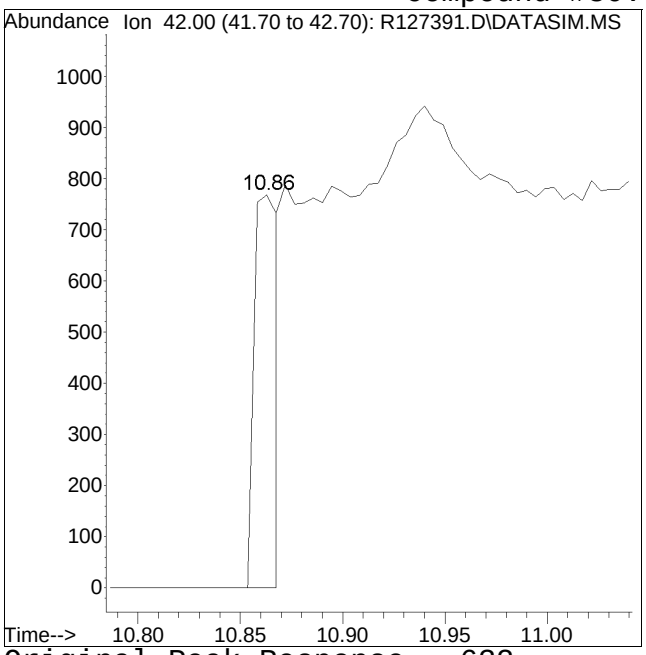
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

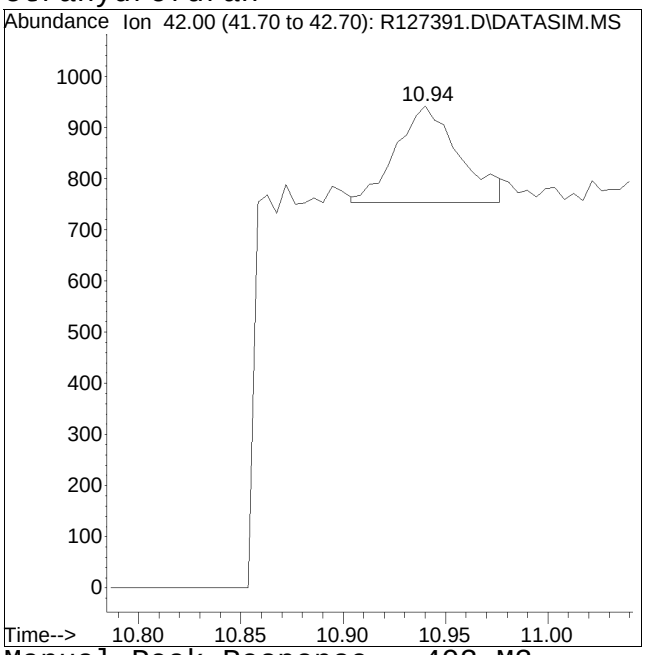
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #30: Tetrahydrofuran





Original Peak Response = 632 Manual Peak Response = 403 M3

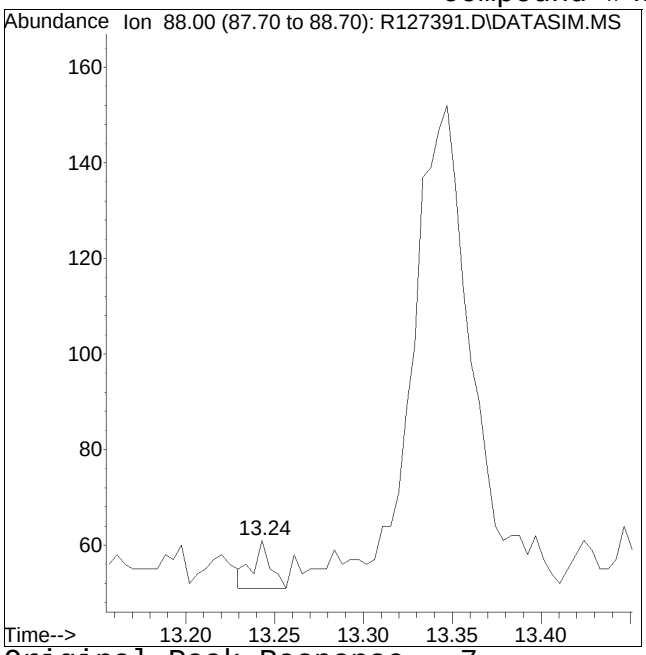
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

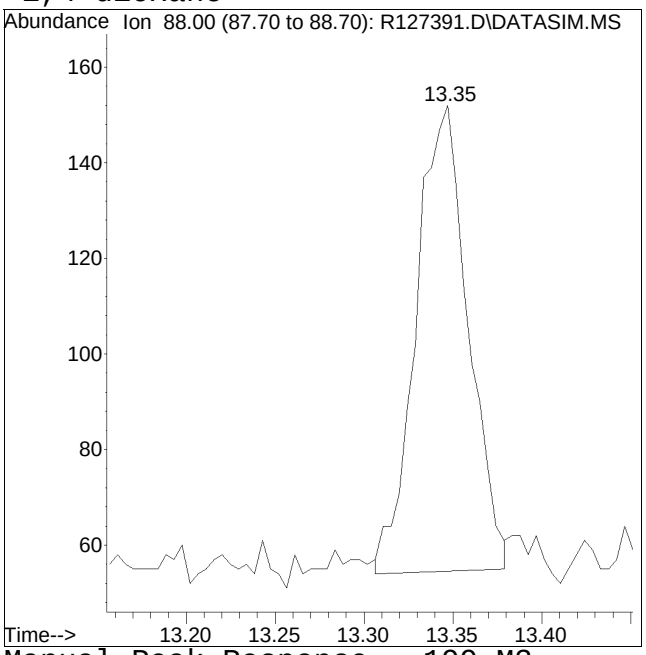
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #41: 1,4-dioxane





Original Peak Response = 7 Manual Peak Response = 199 M3

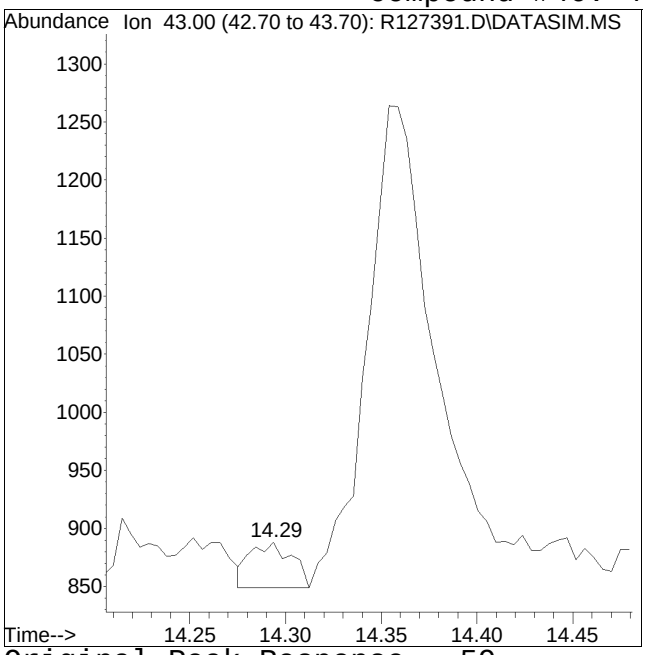
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

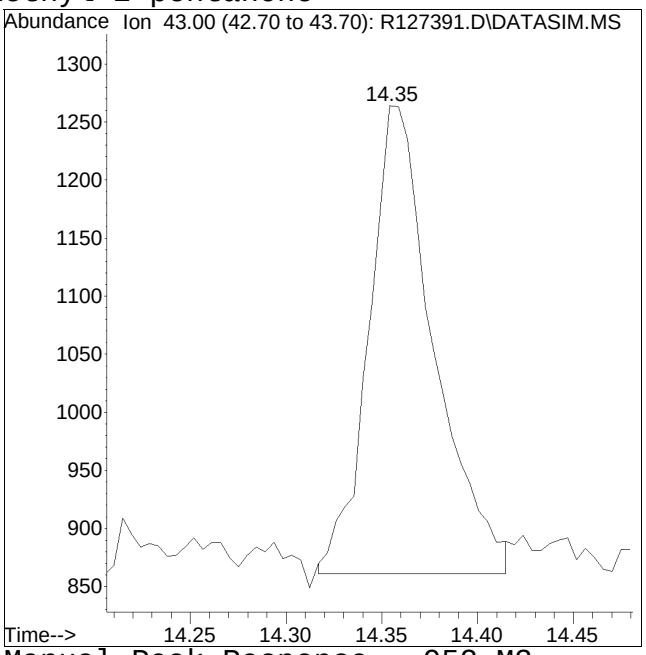
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #46: 4-methyl-2-pentanone





Original Peak Response = 59 Manual Peak Response = 952 M3

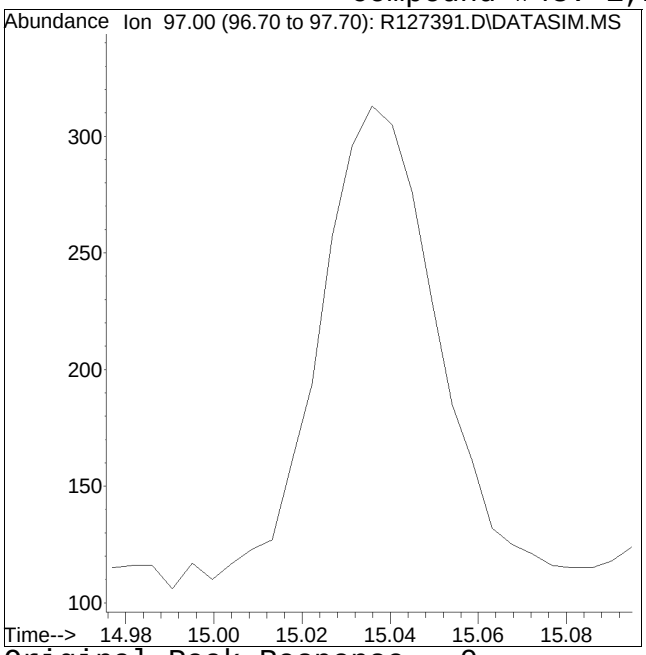
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

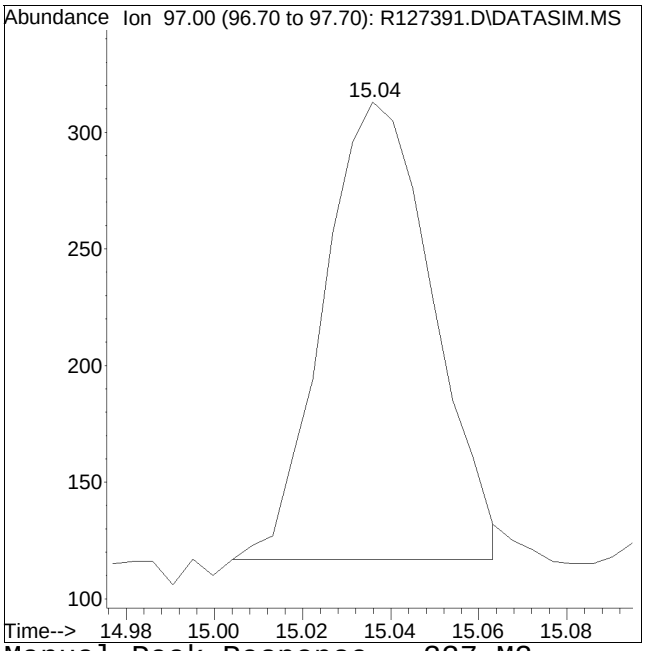
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #48: 1,1,2-trichloroethane



Original Peak Response = 0



Manual Peak Response = 337 M2

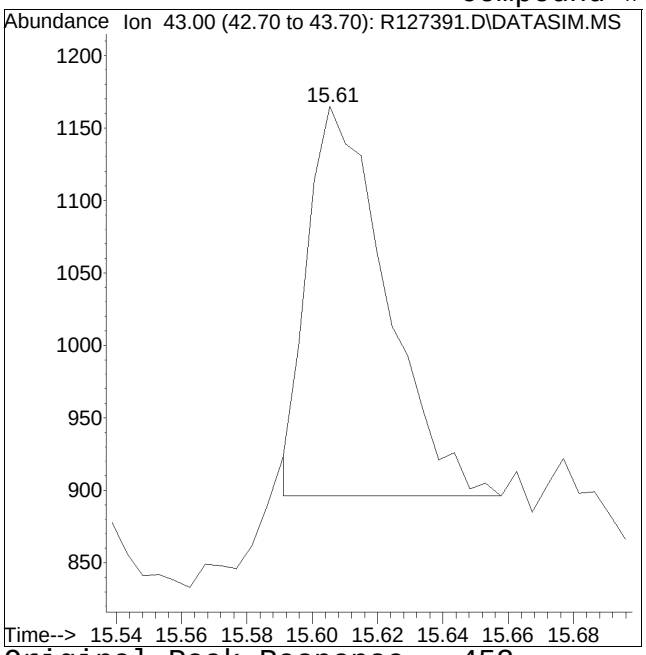
M2 = Peak not found by automatic integration algorithm.

Manual Integration/Negative Proof Report

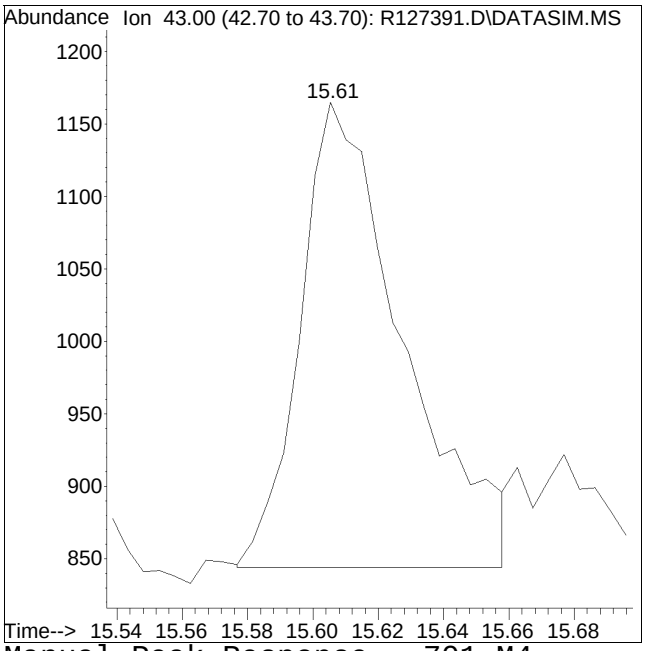
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #52: 2-hexanone



Original Peak Response = 452



Manual Peak Response = 701 M4

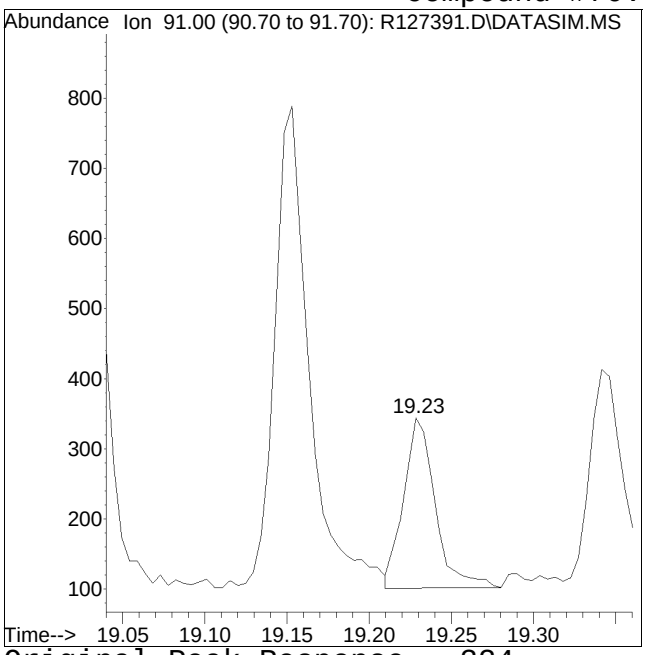
M4 = Poor automated baseline construction.

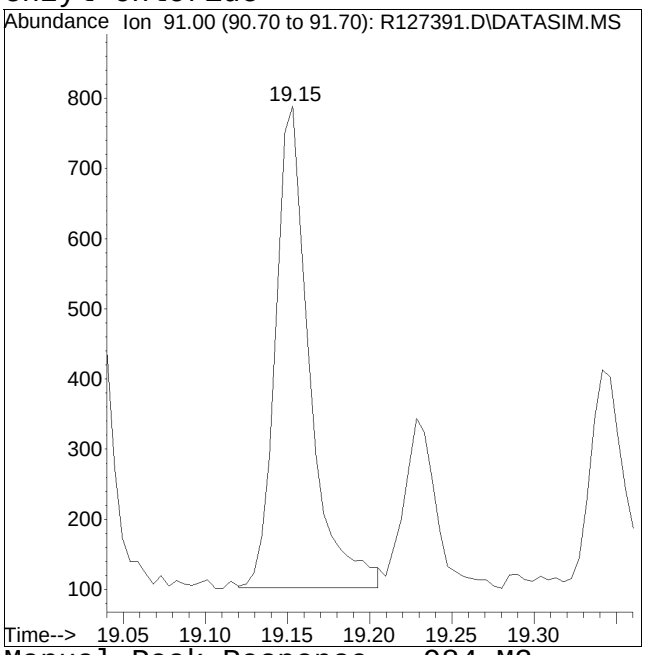
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127391.D
Date Inj'd : 4/2/2013 11:46 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #70: Benzyl Chloride





Original Peak Response = 324 Manual Peak Response = 984 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127392.D
Acq On : 3 Apr 2013 12:18 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.04
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:42:31 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	252079	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 97.29%			
32) 1,4-difluorobenzene	12.49	114	548784	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 99.18%			
49) chlorobenzene-D5	16.90	54	129512	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 98.04%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	159527	9.571	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.71%			
51) toluene-D8	15.21	98	385656	9.690	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.90%			
64) bromofluorobenzene	18.09	95	290159	9.466	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.66%			
Target Compounds						Qvalue
2) propylene	4.08	41	731	0.055	ppbV	94
3) dichlorodifluoromethane	4.18	85	1399	0.045	ppbV	99
4) chloromethane	4.40	50	999	0.064	ppbV #	81
5) Freon-114	4.55	85	1499	0.044	ppbV	95
6) vinyl chloride	4.72	62	613	0.044	ppbV #	76
7) 1,3-butadiene	4.91	54	432	0.039	ppbV #	23
8) bromomethane	5.30	94	537	0.043	ppbV	84
9) chloroethane	5.55	64	292	0.048	ppbV #	27
10) ethanol	5.76	31	2858	0.236	ppbV #	74
11) vinyl bromide	6.04	106	515	0.041	ppbV	99
12) acetone	6.43	43	8903	0.340	ppbV #	93
13) trichlorofluoromethane	6.62	101	1586	0.042	ppbV	95
14) isopropyl alcohol	6.79	45	2376	0.067	ppbV #	84
15) acrylonitrile	7.04	53	463	0.036	ppbV #	78
16) 1,1-dichloroethene	7.47	61	972	0.040	ppbV #	74
17) methylene chloride	7.64	49	3561	0.161	ppbV	92
18) 3-chloropropene	7.79	41	906	0.042	ppbV #	84
19) carbon disulfide	7.97	76	2292	0.064	ppbV #	1
20) Freon 113	7.99	101	1085	0.041	ppbV #	92
21) Halothane	8.59	117	711	0.040	ppbV #	83
22) trans-1,2-dichloroethene	8.82	61	934M4	0.040	ppbV	
23) 1,1-dichloroethane	9.07	63	1163	0.045	ppbV #	77
24) MTBE	9.19	73	1408	0.045	ppbV #	1
25) vinyl acetate	9.28	43	2282	0.050	ppbV #	95

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127392.D
Acq On : 3 Apr 2013 12:18 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.04
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:42:31 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.60	43	2030	0.049	ppbV	#	85
27) cis-1,2-dichloroethene	10.07	61	892	0.038	ppbV	#	78
28) Ethyl Acetate	10.39	61	197	0.035	ppbV	#	62
29) chloroform	10.42	83	1215	0.041	ppbV	#	93
30) Tetrahydrofuran	10.94	42	909	0.038	ppbV		96
31) 1,2-dichloroethane	11.28	62	951	0.044	ppbV	#	81
33) hexane	10.32	57	1150	0.044	ppbV	#	82
35) 1,1,1-trichloroethane	11.56	97	1198	0.040	ppbV	#	93
36) benzene	12.09	78	1793	0.041	ppbV	#	83
37) carbon tetrachloride	12.25	117	1268	0.039	ppbV	#	95
38) cyclohexane	12.40	56	1143	0.041	ppbV	#	73
39) 1,2-dichloropropane	13.02	63	717	0.038	ppbV	#	56
40) bromodichloromethane	13.24	83	1270	0.038	ppbV	#	95
41) 1,4-dioxane	13.35	88	372	0.038	ppbV	#	69
42) trichloroethene	13.28	130	799	0.037	ppbV	#	91
43) 2,2,4-trimethylpentane	13.32	57	3569	0.040	ppbV	#	65
44) heptane	13.61	43	1618	0.044	ppbV		93
45) cis-1,3-dichloropropene	14.27	75	861	0.035	ppbV	#	29
46) 4-methyl-2-pentanone	14.36	43	1532M3	0.029	ppbV		
47) trans-1,3-dichloropropene	14.86	75	812	0.032	ppbV	#	16
48) 1,1,2-trichloroethane	15.04	97	721	0.038	ppbV		97
50) toluene	15.32	91	2134	0.041	ppbV		99
52) 2-hexanone	15.63	43	1081M3	0.022	ppbV		
53) dibromochloromethane	15.73	129	1384	0.036	ppbV		97
54) 1,2-dibromoethane	15.96	107	1140	0.035	ppbV		98
55) tetrachloroethene	16.37	166	1038	0.038	ppbV	#	92
56) 1,1,1,2-tetrachloroethane	16.93	131	1038	0.037	ppbV	#	92
57) chlorobenzene	16.93	112	1677	0.037	ppbV	#	88
58) ethylbenzene	17.23	91	2551	0.037	ppbV		97
59) m+p-xylene	17.38	91	3824	0.071	ppbV		99
60) bromoform	17.46	173	1331	0.034	ppbV		98
61) styrene	17.66	104	1292	0.031	ppbV		92
62) 1,1,2,2-tetrachloroethane	17.74	83	1541	0.035	ppbV		99
63) o-xylene	17.74	91	2029	0.037	ppbV		98
65) isopropylbenzene	18.18	105	2930	0.036	ppbV		97
66) 4-ethyl toluene	18.67	105	2772	0.034	ppbV	#	94
67) 1,3,5-trimethylbenzene	18.72	105	2306	0.035	ppbV	#	96
68) tert-butylbenzene	19.03	119	2873	0.037	ppbV		100
69) 1,2,4-trimethylbenzene	19.03	105	2342	0.034	ppbV		95
70) Benzyl Chloride	19.15	91	1835	0.030	ppbV		95
71) 1,3-dichlorobenzene	19.17	146	1629	0.031	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127392.D
Acq On : 3 Apr 2013 12:18 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.04
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:42:31 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	1693	0.032	ppbV	#	87
73) sec-butylbenzene	19.23	105	3644	0.034	ppbV		98
74) p-isopropyltoluene	19.34	119	3140	0.033	ppbV		98
75) 1,2-dichlorobenzene	19.48	146	1631	0.033	ppbV	#	87
76) n-butylbenzene	19.67	91	2743	0.031	ppbV		96
77) 1,2,4-trichlorobenzene	20.93	180	1026	0.024	ppbV	#	85
78) naphthalene	21.05	128	2501	0.024	ppbV	#	90
79) 1,2,3-trichlorobenzene	21.31	180	1081	0.025	ppbV	#	87
80) hexachlorobutadiene	21.36	225	1009	0.029	ppbV		90

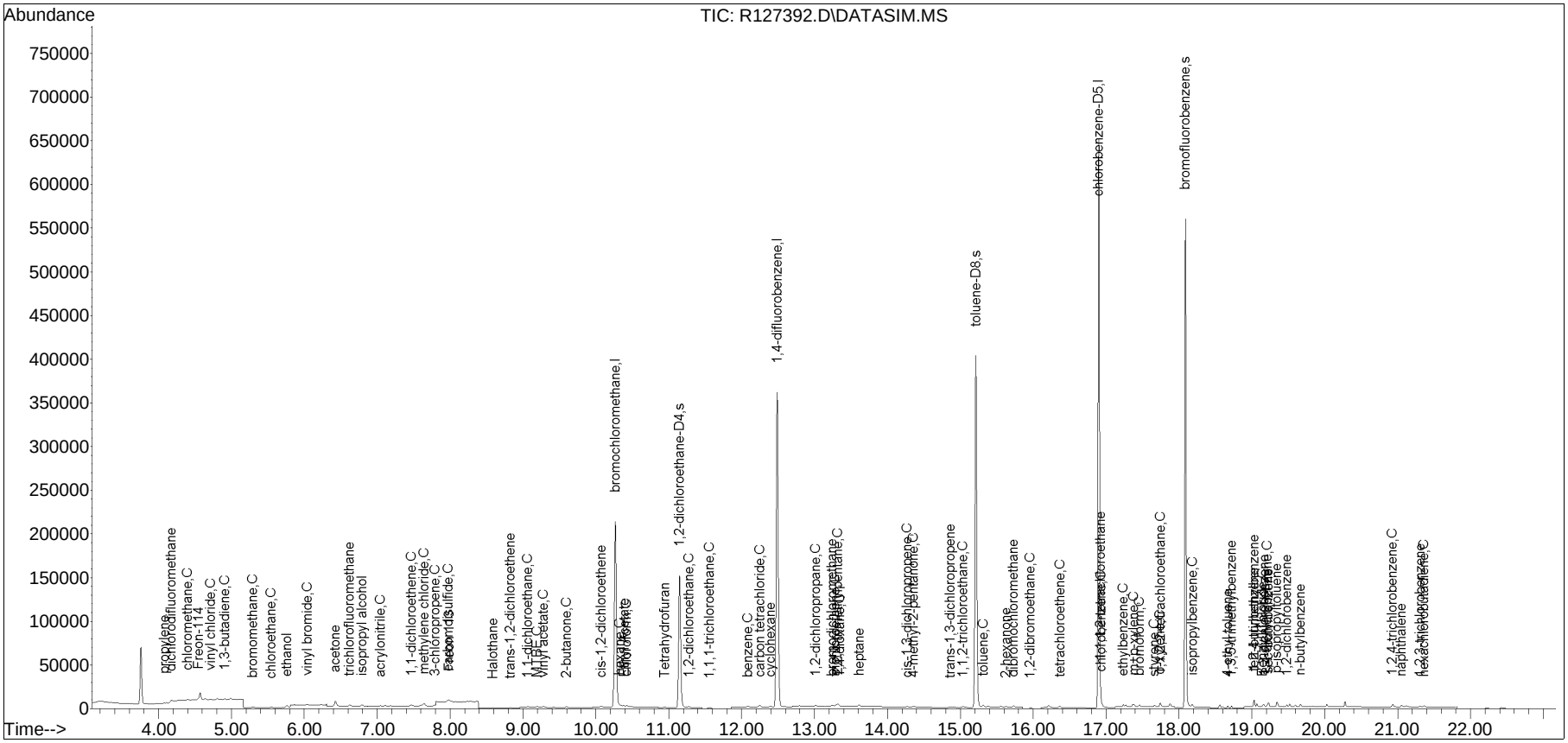
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127392.D
Acq On : 3 Apr 2013 12:18 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.04
Misc : WG599306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 03 14:42:31 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

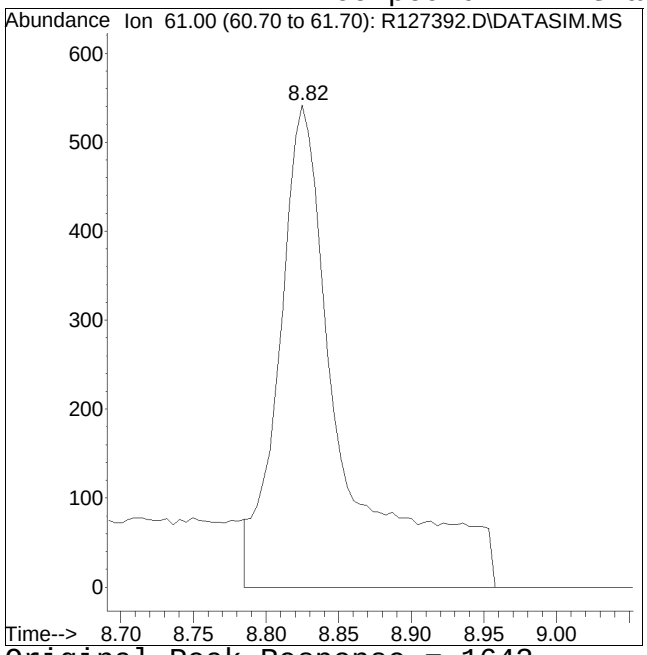
Sub List : Default - All compounds listed



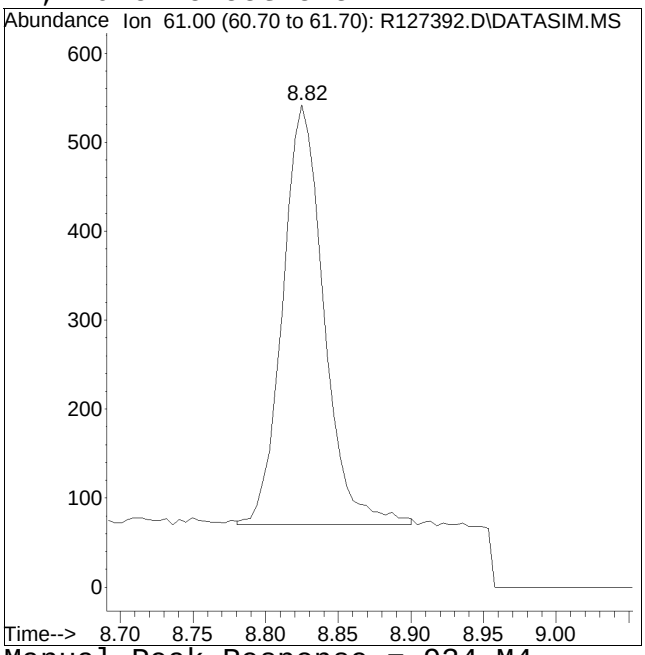
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127392.D
Date Inj'd : 4/3/2013 12:18 am
Sample : ITO15-SIMSTD0.04
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 1643



Manual Peak Response = 934 M4

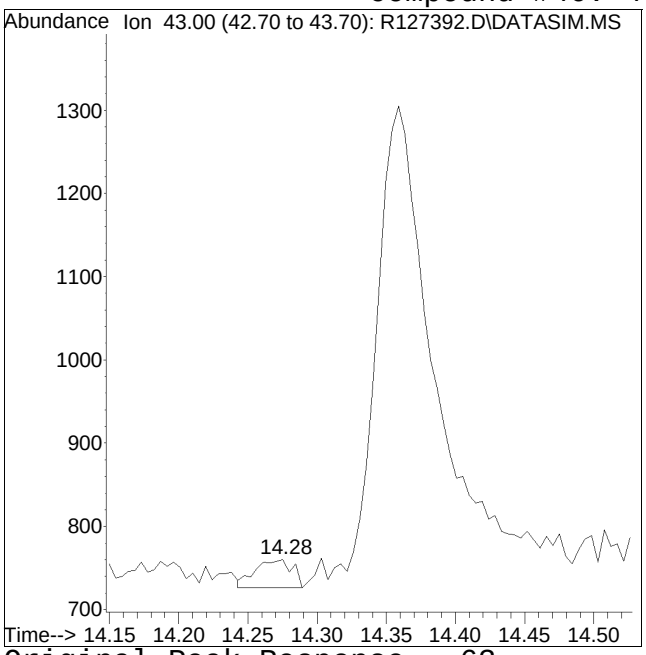
M4 = Poor automated baseline construction.

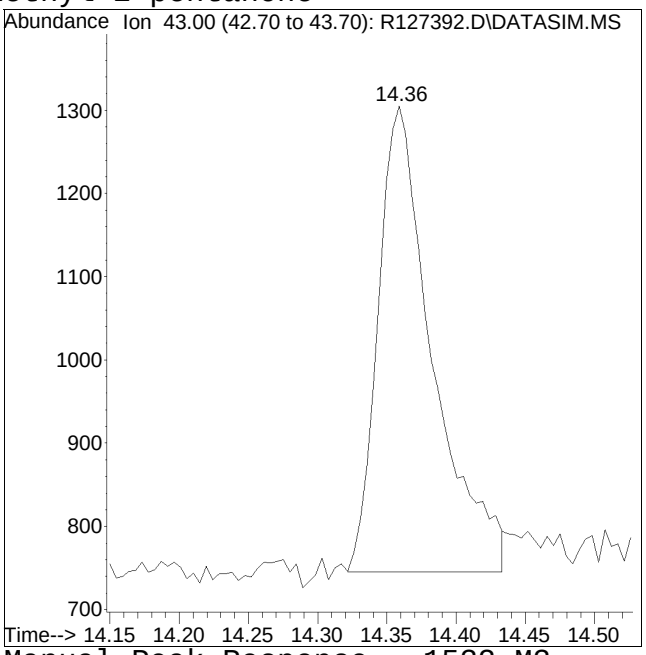
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127392.D
Date Inj'd : 4/3/2013 12:18 am
Sample : ITO15-SIMSTD0.04

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #46: 4-methyl-2-pentanone





Original Peak Response = 63 Manual Peak Response = 1532 M3

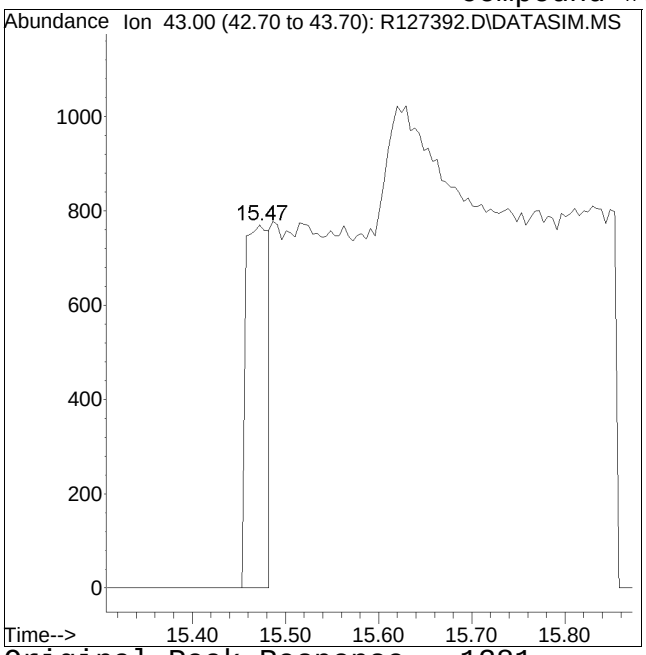
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

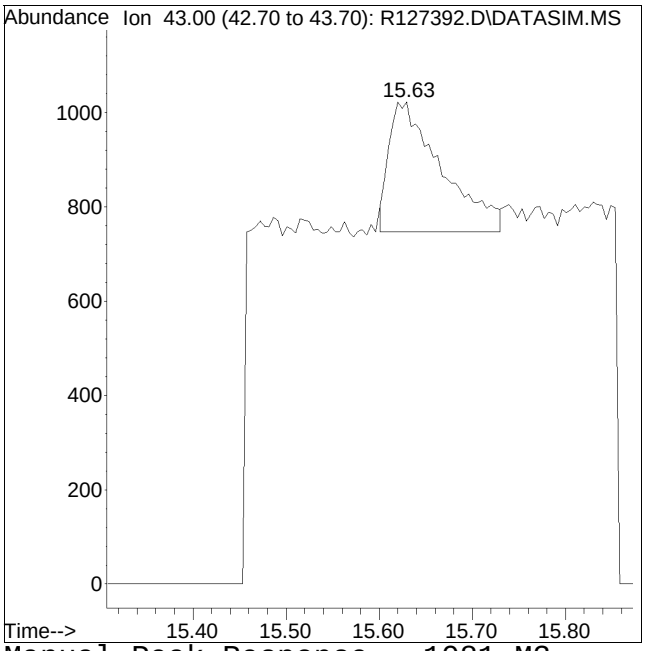
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127392.D
Date Inj'd : 4/3/2013 12:18 am
Sample : ITO15-SIMSTD0.04

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #52: 2-hexanone





Original Peak Response = 1281 Manual Peak Response = 1081 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127393.D
Acq On : 3 Apr 2013 12:49 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.1
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:44:03 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	10.27	49	253756	10.000	ppbV		0.00
Standard Area = 259105			Recovery = 97.94%				
32) 1,4-difluorobenzene	12.49	114	554885	10.000	ppbV		0.00
Standard Area = 553296			Recovery = 100.29%				
49) chlorobenzene-D5	16.90	54	132745	10.000	ppbV		0.00
Standard Area = 132097			Recovery = 100.49%				
System Monitoring Compounds							
34) 1,2-dichloroethane-D4	11.15	65	161182	9.564	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.64%				
51) toluene-D8	15.21	98	392392	9.619	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.19%				
64) bromofluorobenzene	18.09	95	293589	9.345	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.45%				
Target Compounds							Qvalue
2) propylene	4.08	41	1505	0.113	ppbV		98
3) dichlorodifluoromethane	4.18	85	3295	0.106	ppbV		98
4) chloromethane	4.40	50	1902	0.120	ppbV		93
5) Freon-114	4.55	85	3597	0.104	ppbV		98
6) vinyl chloride	4.71	62	1465	0.103	ppbV	#	87
7) 1,3-butadiene	4.91	54	1188	0.106	ppbV	#	71
8) bromomethane	5.30	94	1323	0.106	ppbV		90
9) chloroethane	5.55	64	661	0.107	ppbV	#	64
10) ethanol	5.76	31	6364	0.522	ppbV		89
11) vinyl bromide	6.04	106	1316	0.103	ppbV		95
12) acetone	6.42	43	16399	0.622	ppbV	#	96
13) trichlorofluoromethane	6.62	101	3918	0.102	ppbV		99
14) isopropyl alcohol	6.79	45	8063	0.225	ppbV	#	94
15) acrylonitrile	7.04	53	1330	0.102	ppbV	#	88
16) 1,1-dichloroethene	7.47	61	2439	0.100	ppbV		91
17) methylene chloride	7.64	49	4742	0.212	ppbV		94
18) 3-chloropropene	7.79	41	2272	0.104	ppbV		90
19) carbon disulfide	7.97	76	4344	0.121	ppbV	#	1
20) Freon 113	7.99	101	2713	0.101	ppbV		95
21) Halothane	8.59	117	1789	0.100	ppbV	#	93
22) trans-1,2-dichloroethene	8.82	61	2296	0.099	ppbV		91
23) 1,1-dichloroethane	9.07	63	2634	0.101	ppbV	#	85
24) MTBE	9.19	73	3202	0.101	ppbV	#	7
25) vinyl acetate	9.28	43	4603	0.101	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127393.D
Acq On : 3 Apr 2013 12:49 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.1
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:44:03 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.59	43	4024	0.096	ppbV	#	87
27) cis-1,2-dichloroethene	10.07	61	2304	0.098	ppbV	#	87
28) Ethyl Acetate	10.38	61	573	0.101	ppbV	#	92
29) chloroform	10.43	83	2932	0.099	ppbV		97
30) Tetrahydrofuran	10.93	42	2516M4	0.106	ppbV		
31) 1,2-dichloroethane	11.28	62	2245	0.104	ppbV	#	89
33) hexane	10.32	57	2562	0.096	ppbV	#	64
35) 1,1,1-trichloroethane	11.56	97	3034M4	0.099	ppbV		
36) benzene	12.08	78	4472	0.102	ppbV		95
37) carbon tetrachloride	12.25	117	3212	0.097	ppbV	#	97
38) cyclohexane	12.39	56	2874	0.101	ppbV	#	87
39) 1,2-dichloropropane	13.02	63	1881	0.098	ppbV	#	80
40) bromodichloromethane	13.24	83	3263	0.097	ppbV		98
41) 1,4-dioxane	13.33	88	946	0.096	ppbV	#	62
42) trichloroethene	13.28	130	2102	0.096	ppbV		95
43) 2,2,4-trimethylpentane	13.32	57	8940	0.099	ppbV	#	88
44) heptane	13.61	43	3769	0.101	ppbV		96
45) cis-1,3-dichloropropene	14.27	75	2353	0.094	ppbV	#	71
46) 4-methyl-2-pentanone	14.34	43	4824	0.091	ppbV		94
47) trans-1,3-dichloropropene	14.85	75	2325	0.092	ppbV	#	75
48) 1,1,2-trichloroethane	15.04	97	1826	0.095	ppbV		97
50) toluene	15.31	91	5391	0.100	ppbV		99
52) 2-hexanone	15.60	43	4031	0.079	ppbV	#	83
53) dibromochloromethane	15.73	129	3706	0.094	ppbV		97
54) 1,2-dibromoethane	15.96	107	3109M4	0.094	ppbV		
55) tetrachloroethene	16.36	166	2703	0.096	ppbV		95
56) 1,1,1,2-tetrachloroethane	16.92	131	2715	0.094	ppbV		97
57) chlorobenzene	16.93	112	4364	0.095	ppbV		95
58) ethylbenzene	17.23	91	6641	0.094	ppbV		98
59) m+p-xylene	17.38	91	10411	0.188	ppbV		99
60) bromoform	17.46	173	3642	0.090	ppbV		98
61) styrene	17.66	104	4332	0.100	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.74	83	4149	0.091	ppbV		98
63) o-xylene	17.74	91	5435	0.095	ppbV		100
65) isopropylbenzene	18.18	105	8050	0.095	ppbV		100
66) 4-ethyl toluene	18.67	105	7803	0.092	ppbV	#	98
67) 1,3,5-trimethylbenzene	18.72	105	6561	0.096	ppbV		98
68) tert-butylbenzene	19.03	119	7387	0.093	ppbV		98
69) 1,2,4-trimethylbenzene	19.03	105	6453	0.092	ppbV		93
70) Benzyl Chloride	19.15	91	5129	0.081	ppbV		95
71) 1,3-dichlorobenzene	19.16	146	4739	0.088	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127393.D
Acq On : 3 Apr 2013 12:49 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.1
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:44:03 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	4843	0.089	ppbV		96
73) sec-butylbenzene	19.23	105	10144	0.092	ppbV		98
74) p-isopropyltoluene	19.34	119	8852	0.090	ppbV		99
75) 1,2-dichlorobenzene	19.48	146	4511	0.088	ppbV		93
76) n-butylbenzene	19.67	91	7684	0.086	ppbV		94
77) 1,2,4-trichlorobenzene	20.93	180	3136	0.071	ppbV		97
78) naphthalene	21.05	128	8210	0.078	ppbV		97
79) 1,2,3-trichlorobenzene	21.30	180	3349	0.076	ppbV	#	94
80) hexachlorobutadiene	21.36	225	2905	0.081	ppbV		99

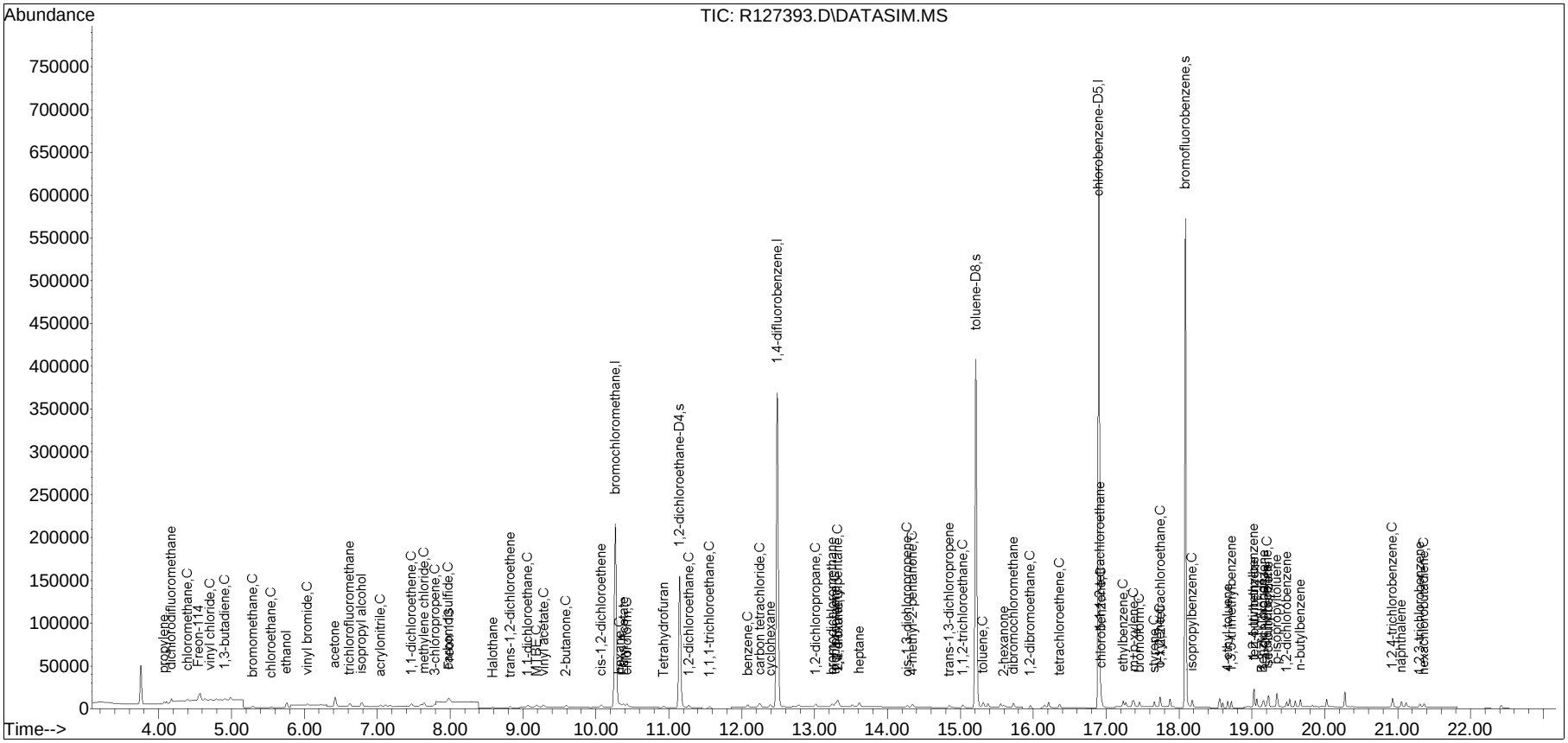
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127393.D
Acq On : 3 Apr 2013 12:49 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.1
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:44:03 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

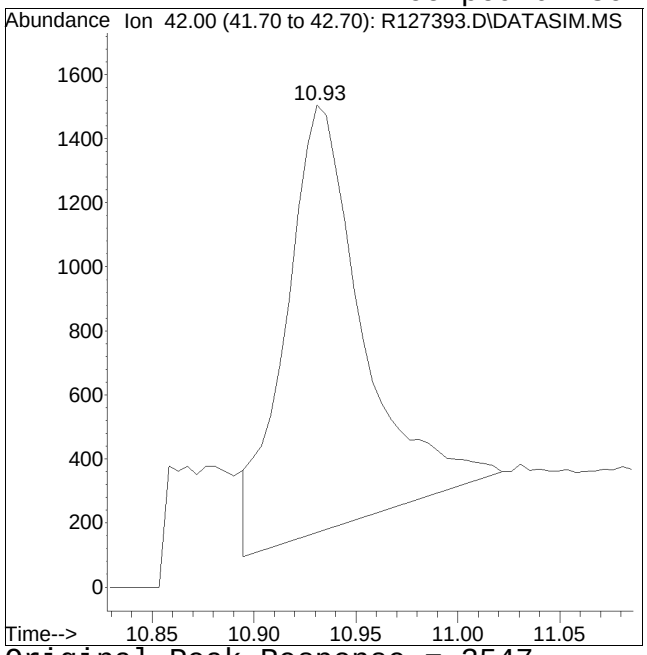
Sub List : Default - All compounds listed



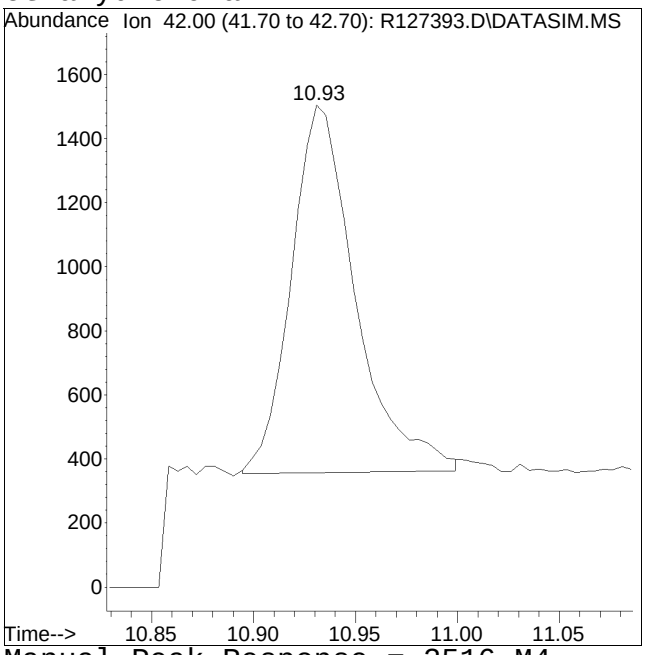
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127393.D
Date Inj'd : 4/3/2013 12:49 am
Sample : ITO15-SIMSTD0.1
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #30: Tetrahydrofuran



Original Peak Response = 3547



Manual Peak Response = 2516 M4

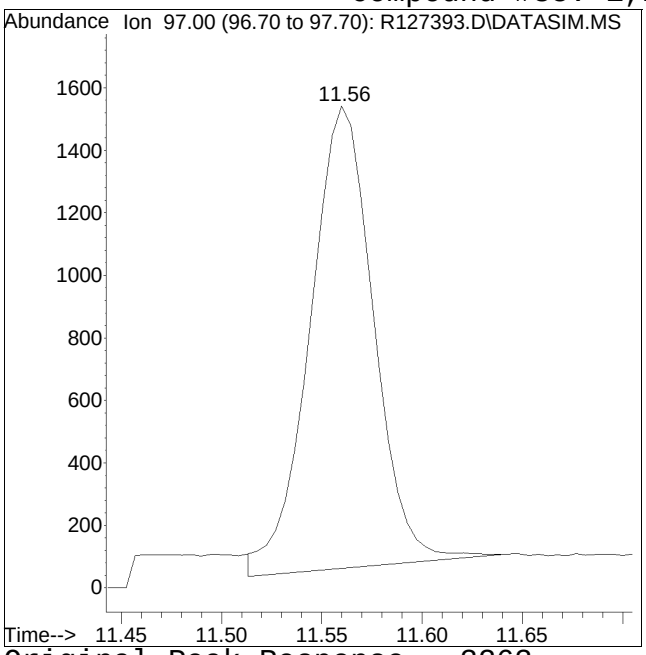
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

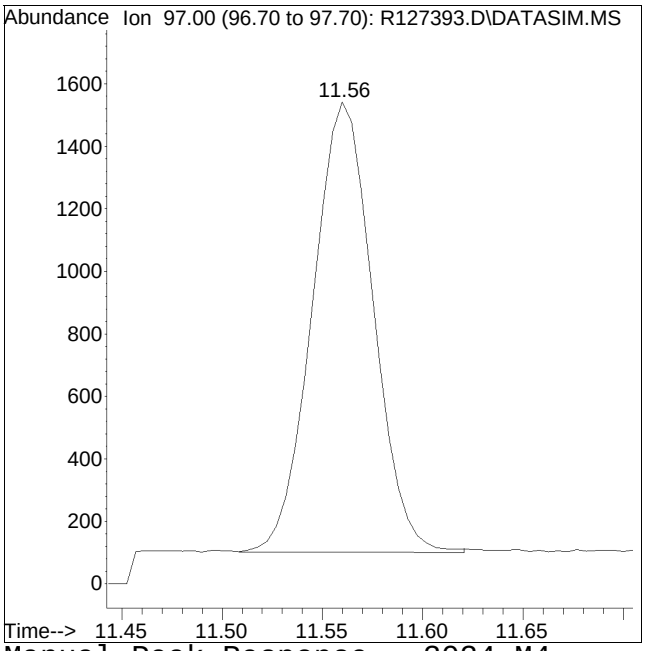
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127393.D
Date Inj'd : 4/3/2013 12:49 am
Sample : ITO15-SIMSTD0.1

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 3263



Manual Peak Response = 3034 M4

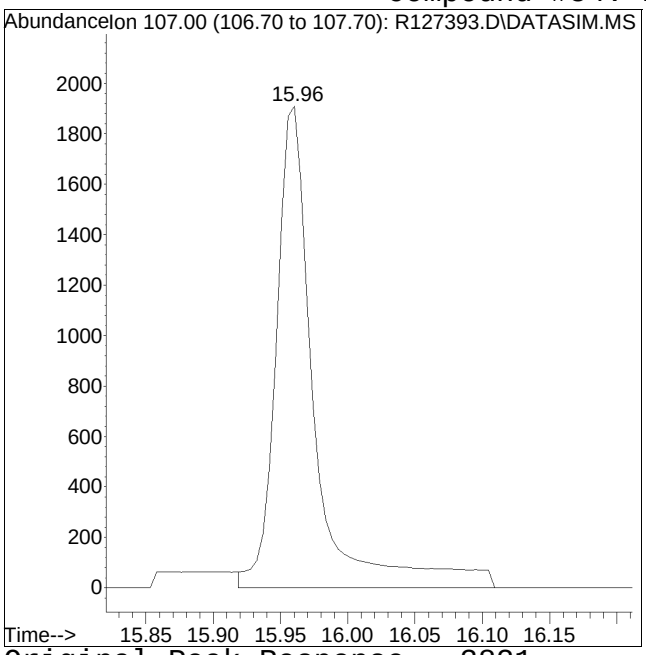
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

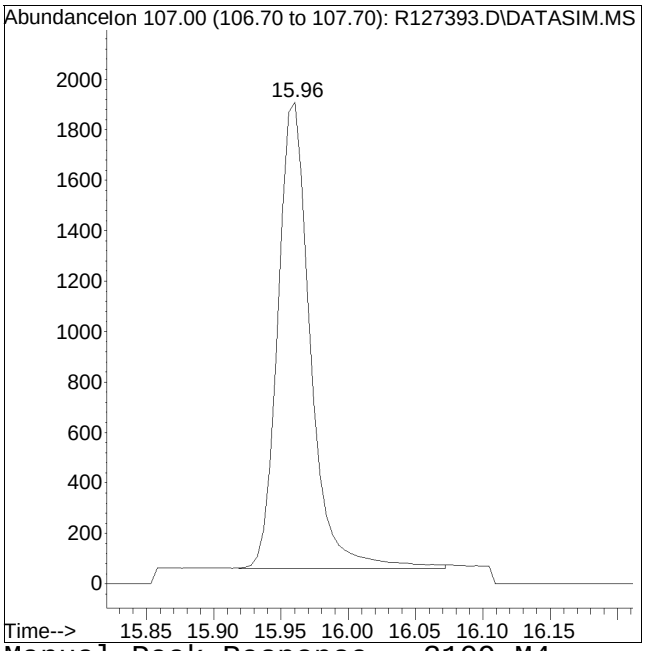
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127393.D
Date Inj'd : 4/3/2013 12:49 am
Sample : ITO15-SIMSTD0.1

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 3821



Manual Peak Response = 3109 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127394.D
Acq On : 3 Apr 2013 1:21 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.2
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:46:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	251717	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 97.15%			
32) 1,4-difluorobenzene	12.49	114	543875	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 98.30%			
49) chlorobenzene-D5	16.90	54	124715	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 94.41%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	162322	9.826	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.26%			
51) toluene-D8	15.21	98	392424	10.239	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.39%			
64) bromofluorobenzene	18.09	95	295742	10.019	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.19%			
Target Compounds						Qvalue
2) propylene	4.08	41	2879	0.218	ppbV	95
3) dichlorodifluoromethane	4.18	85	6483	0.211	ppbV	99
4) chloromethane	4.40	50	3555	0.227	ppbV	93
5) Freon-114	4.55	85	7192	0.210	ppbV	99
6) vinyl chloride	4.71	62	2942	0.209	ppbV	93
7) 1,3-butadiene	4.91	54	2325	0.209	ppbV	79
8) bromomethane	5.29	94	2553	0.206	ppbV	93
9) chloroethane	5.55	64	1254	0.205	ppbV #	77
10) ethanol	5.76	31	12388	1.024	ppbV	94
11) vinyl bromide	6.04	106	2604	0.206	ppbV	100
12) acetone	6.42	43	30751	1.176	ppbV #	97
13) trichlorofluoromethane	6.62	101	7797	0.204	ppbV	98
14) isopropyl alcohol	6.78	45	14235	0.400	ppbV #	98
15) acrylonitrile	7.04	53	2729	0.210	ppbV #	92
16) 1,1-dichloroethene	7.47	61	4807	0.200	ppbV	95
17) methylene chloride	7.64	49	6948	0.314	ppbV	96
18) 3-chloropropene	7.79	41	4418	0.204	ppbV	95
19) carbon disulfide	7.97	76	7914	0.222	ppbV #	1
20) Freon 113	7.99	101	5357	0.202	ppbV	98
21) Halothane	8.59	117	3512	0.197	ppbV #	96
22) trans-1,2-dichloroethene	8.82	61	4628M4	0.201	ppbV	
23) 1,1-dichloroethane	9.07	63	5250	0.202	ppbV	92
24) MTBE	9.18	73	6395	0.204	ppbV #	58
25) vinyl acetate	9.28	43	9027	0.200	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127394.D
Acq On : 3 Apr 2013 1:21 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.2
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:46:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.59	43	7823	0.187	ppbV	#	92
27) cis-1,2-dichloroethene	10.07	61	4632	0.199	ppbV		95
28) Ethyl Acetate	10.38	61	1104	0.197	ppbV	#	96
29) chloroform	10.43	83	5902	0.201	ppbV		98
30) Tetrahydrofuran	10.93	42	5031M4	0.213	ppbV		
31) 1,2-dichloroethane	11.28	62	4438	0.207	ppbV		95
33) hexane	10.32	57	5340	0.205	ppbV	#	60
35) 1,1,1-trichloroethane	11.56	97	5920M4	0.198	ppbV		
36) benzene	12.09	78	8673	0.201	ppbV		99
37) carbon tetrachloride	12.25	117	6343	0.196	ppbV		98
38) cyclohexane	12.39	56	5615	0.202	ppbV		93
39) 1,2-dichloropropane	13.02	63	3678	0.195	ppbV	#	91
40) bromodichloromethane	13.24	83	6465	0.196	ppbV		97
41) 1,4-dioxane	13.32	88	1898	0.197	ppbV	#	61
42) trichloroethene	13.28	130	4167	0.195	ppbV		97
43) 2,2,4-trimethylpentane	13.32	57	17582	0.199	ppbV		95
44) heptane	13.61	43	7427	0.202	ppbV		98
45) cis-1,3-dichloropropene	14.27	75	4705	0.192	ppbV		87
46) 4-methyl-2-pentanone	14.33	43	9791	0.188	ppbV		97
47) trans-1,3-dichloropropene	14.85	75	4585	0.184	ppbV		88
48) 1,1,2-trichloroethane	15.04	97	3650	0.194	ppbV		99
50) toluene	15.31	91	10446	0.207	ppbV		99
52) 2-hexanone	15.58	43	8386	0.176	ppbV		89
53) dibromochloromethane	15.73	129	7283	0.196	ppbV		98
54) 1,2-dibromoethane	15.96	107	6217	0.199	ppbV		93
55) tetrachloroethene	16.36	166	5391	0.204	ppbV		98
56) 1,1,1,2-tetrachloroethane	16.92	131	5348	0.198	ppbV		98
57) chlorobenzene	16.93	112	8651	0.201	ppbV		97
58) ethylbenzene	17.23	91	13205	0.199	ppbV		98
59) m+p-xylene	17.37	91	20744	0.399	ppbV		99
60) bromoform	17.46	173	7230	0.189	ppbV		99
61) styrene	17.66	104	8657	0.213	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.74	83	8467	0.198	ppbV		99
63) o-xylene	17.74	91	10815	0.202	ppbV		98
65) isopropylbenzene	18.18	105	15826	0.199	ppbV		100
66) 4-ethyl toluene	18.67	105	15587	0.196	ppbV		98
67) 1,3,5-trimethylbenzene	18.72	105	13148	0.205	ppbV		99
68) tert-butylbenzene	19.03	119	14641	0.197	ppbV		99
69) 1,2,4-trimethylbenzene	19.03	105	12865	0.196	ppbV		95
70) Benzyl Chloride	19.14	91	10358	0.174	ppbV		100
71) 1,3-dichlorobenzene	19.16	146	9467	0.188	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127394.D
Acq On : 3 Apr 2013 1:21 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.2
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:46:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	9736M3	0.191	ppbV	
73) sec-butylbenzene	19.23	105	20065	0.194	ppbV	99
74) p-isopropyltoluene	19.34	119	17606	0.191	ppbV	100
75) 1,2-dichlorobenzene	19.48	146	9164	0.190	ppbV	99
76) n-butylbenzene	19.66	91	15575	0.186	ppbV	97
77) 1,2,4-trichlorobenzene	20.93	180	6655	0.159	ppbV	96
78) naphthalene	21.05	128	16999	0.173	ppbV	98
79) 1,2,3-trichlorobenzene	21.30	180	7058	0.170	ppbV	97
80) hexachlorobutadiene	21.36	225	5971	0.177	ppbV	96

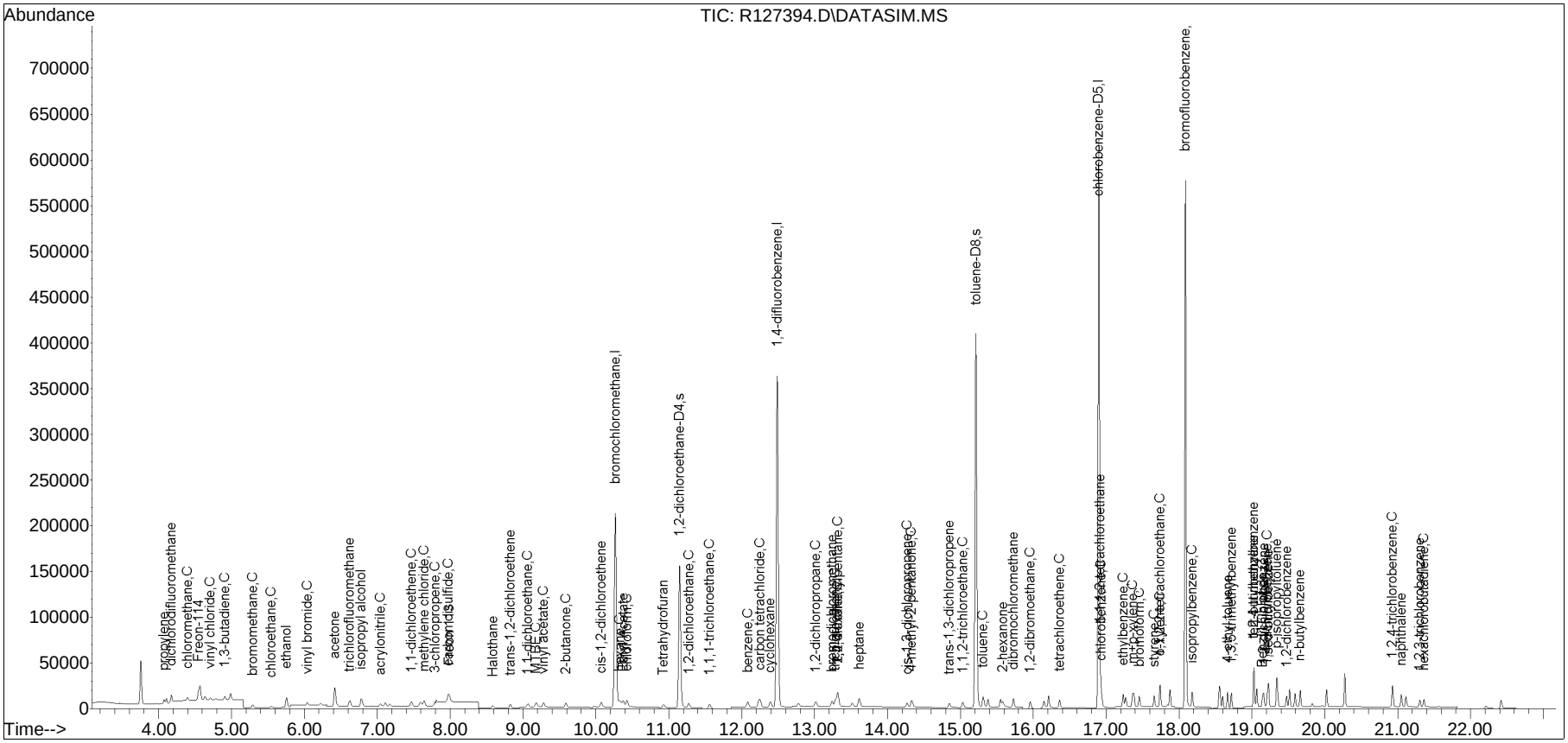
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127394.D
Acq On : 3 Apr 2013 1:21 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.2
Misc : WG599306
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 03 14:46:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

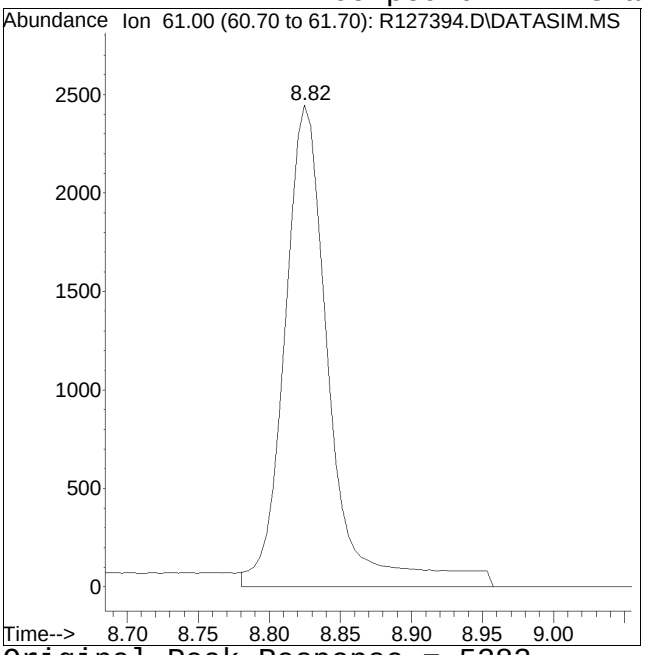
Sub List : Default - All compounds listed

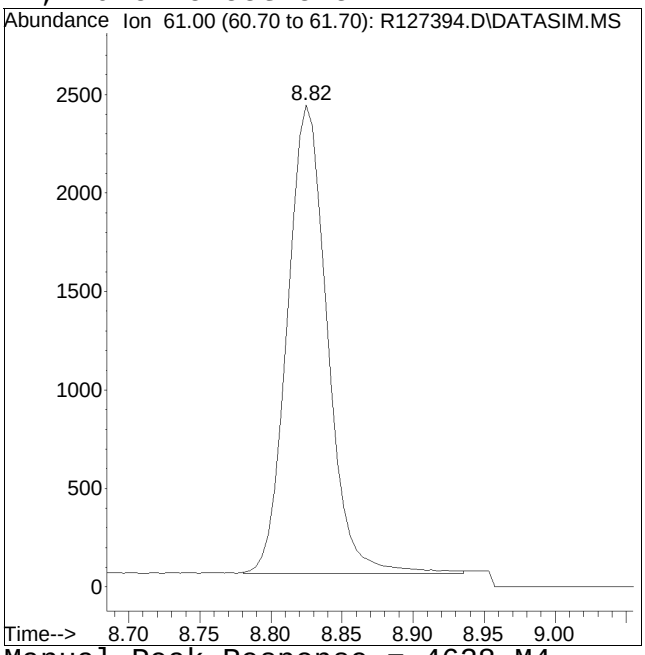


Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127394.D
Date Inj'd : 4/3/2013 1:21 am
Sample : ITO15-SIMSTD0.2
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #22: trans-1,2-dichloroethene





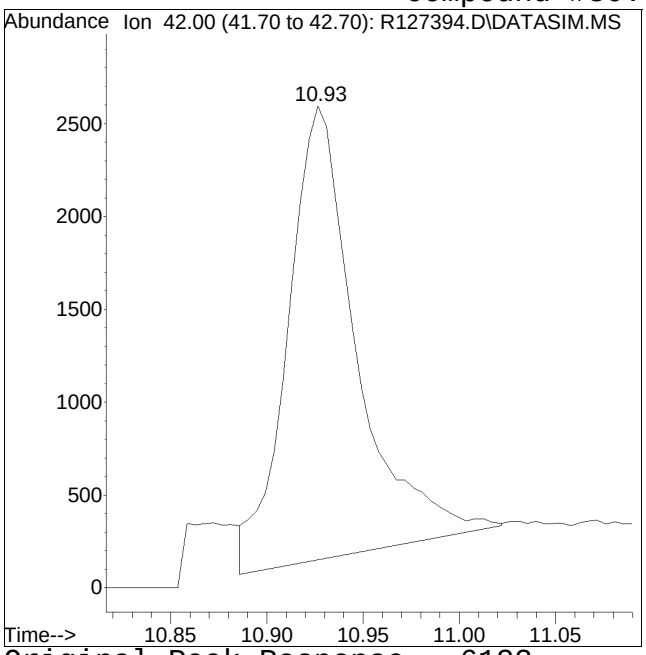
Original Peak Response = 5383 Manual Peak Response = 4628 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

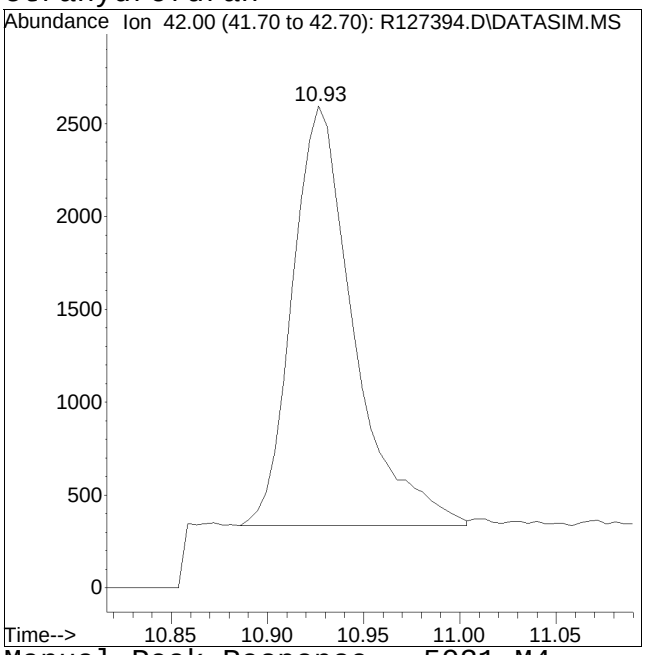
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127394.D
Date Inj'd : 4/3/2013 1:21 am
Sample : ITO15-SIMSTD0.2

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #30: Tetrahydrofuran



Original Peak Response = 6122



Manual Peak Response = 5031 M4

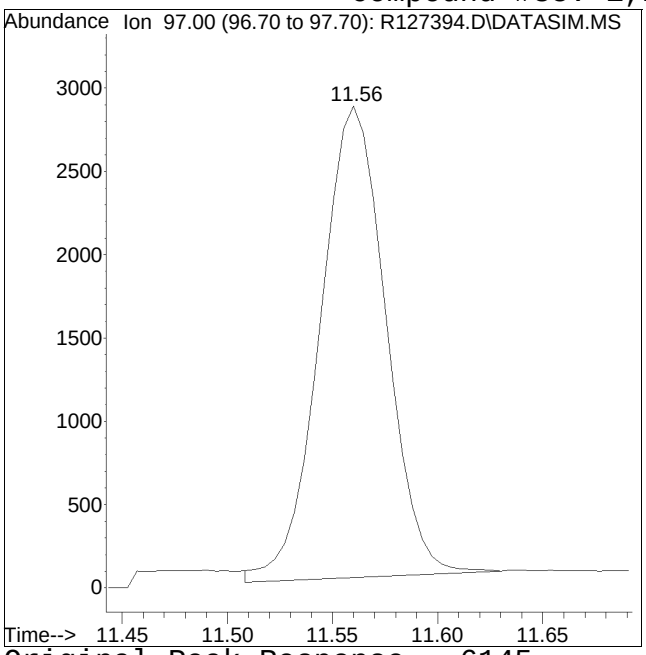
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

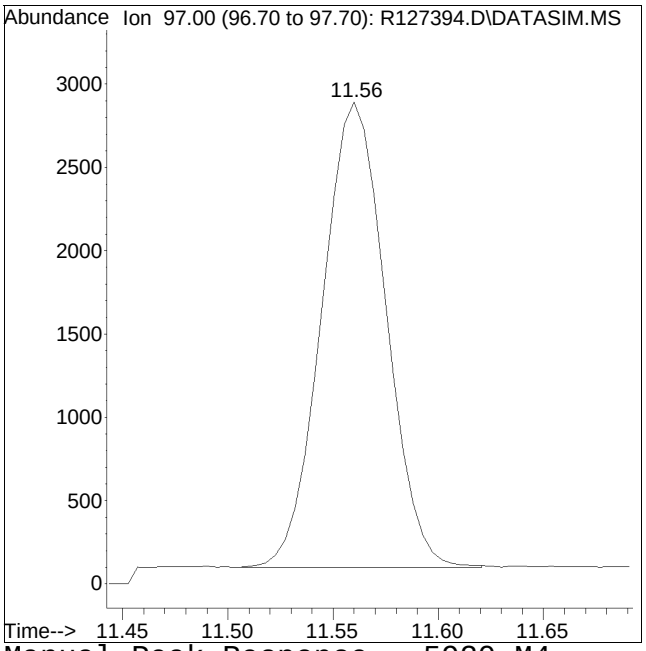
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127394.D
Date Inj'd : 4/3/2013 1:21 am
Sample : ITO15-SIMSTD0.2

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 6145



Manual Peak Response = 5920 M4

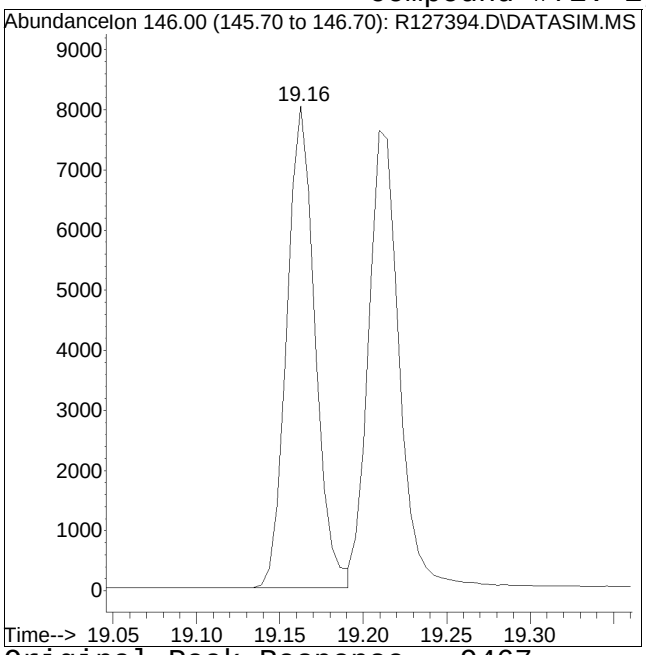
M4 = Poor automated baseline construction.

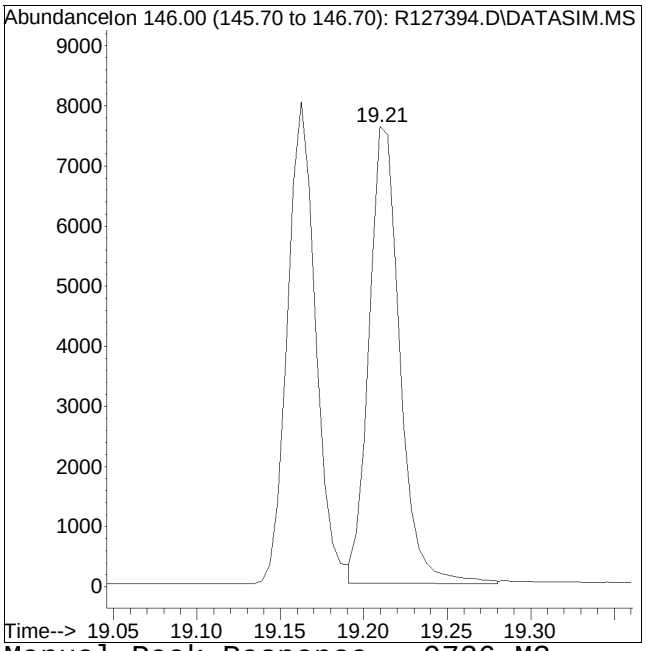
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127394.D
Date Inj'd : 4/3/2013 1:21 am
Sample : ITO15-SIMSTD0.2

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 9467 Manual Peak Response = 9736 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127395.D
Acq On : 3 Apr 2013 1:53 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.5
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 14:48:52 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	254949	10.000	ppbV	0.00
Standard Area = 259105			Recovery =	98.40%		
32) 1,4-difluorobenzene	12.49	114	547422	10.000	ppbV	0.00
Standard Area = 553296			Recovery =	98.94%		
49) chlorobenzene-D5	16.90	54	131404	10.000	ppbV	0.00
Standard Area = 132097			Recovery =	99.48%		
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	166131	9.992	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.92%		
51) toluene-D8	15.21	98	402401	9.965	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.65%		
64) bromofluorobenzene	18.09	95	301586	9.697	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.97%		
Target Compounds						Qvalue
2) propylene	4.08	41	7335	0.548	ppbV	98
3) dichlorodifluoromethane	4.18	85	17030	0.547	ppbV	99
4) chloromethane	4.40	50	8736	0.550	ppbV	98
5) Freon-114	4.55	85	18469	0.533	ppbV	99
6) vinyl chloride	4.71	62	7532	0.529	ppbV	97
7) 1,3-butadiene	4.91	54	5991	0.531	ppbV	93
8) bromomethane	5.29	94	6647	0.529	ppbV	98
9) chloroethane	5.55	64	3319	0.537	ppbV	92
10) ethanol	5.75	31	32107	2.620	ppbV	98
11) vinyl bromide	6.04	106	6753	0.528	ppbV	100
12) acetone	6.41	43	72762	2.747	ppbV #	100
13) trichlorofluoromethane	6.62	101	20264	0.525	ppbV	99
14) isopropyl alcohol	6.78	45	22348	0.620	ppbV	98
15) acrylonitrile	7.04	53	6941	0.529	ppbV	96
16) 1,1-dichloroethene	7.47	61	12812	0.525	ppbV	98
17) methylene chloride	7.64	49	13986M4	0.623	ppbV	
18) 3-chloropropene	7.79	41	11635	0.530	ppbV	98
19) carbon disulfide	7.97	76	19568	0.542	ppbV #	1
20) Freon 113	7.99	101	13990	0.520	ppbV	99
21) Halothane	8.59	117	9211	0.510	ppbV	97
22) trans-1,2-dichloroethene	8.82	61	12237M4	0.524	ppbV	
23) 1,1-dichloroethane	9.07	63	13862	0.527	ppbV	97
24) MTBE	9.17	73	16799	0.530	ppbV #	84
25) vinyl acetate	9.28	43	23497	0.514	ppbV	100

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127395.D
Acq On : 3 Apr 2013 1:53 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.5
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 14:48:52 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.58	43	22897	0.541	ppbV	#	97
27) cis-1,2-dichloroethene	10.07	61	12333	0.524	ppbV		99
28) Ethyl Acetate	10.37	61	2941	0.517	ppbV		92
29) chloroform	10.43	83	15545	0.524	ppbV		98
30) Tetrahydrofuran	10.92	42	12469M4	0.521	ppbV		
31) 1,2-dichloroethane	11.27	62	11496	0.528	ppbV		99
33) hexane	10.32	57	13912	0.531	ppbV	#	68
35) 1,1,1-trichloroethane	11.56	97	15676	0.520	ppbV		98
36) benzene	12.08	78	22497	0.518	ppbV		100
37) carbon tetrachloride	12.25	117	16761	0.515	ppbV		99
38) cyclohexane	12.39	56	14718	0.526	ppbV		97
39) 1,2-dichloropropane	13.02	63	9898	0.521	ppbV		97
40) bromodichloromethane	13.24	83	17155	0.516	ppbV		100
41) 1,4-dioxane	13.31	88	5036	0.520	ppbV	#	68
42) trichloroethene	13.28	130	11050	0.513	ppbV		99
43) 2,2,4-trimethylpentane	13.32	57	46570	0.524	ppbV		99
44) heptane	13.61	43	19458	0.526	ppbV		98
45) cis-1,3-dichloropropene	14.27	75	12471	0.505	ppbV		93
46) 4-methyl-2-pentanone	14.32	43	26204	0.500	ppbV		99
47) trans-1,3-dichloropropene	14.85	75	12524	0.500	ppbV		95
48) 1,1,2-trichloroethane	15.03	97	9840	0.519	ppbV		96
50) toluene	15.31	91	27567	0.517	ppbV		100
52) 2-hexanone	15.57	43	23355	0.465	ppbV		94
53) dibromochloromethane	15.73	129	19755M4	0.504	ppbV		
54) 1,2-dibromoethane	15.96	107	16812M4	0.511	ppbV		
55) tetrachloroethene	16.36	166	14280	0.512	ppbV		99
56) 1,1,1,2-tetrachloroethane	16.92	131	14398	0.505	ppbV		99
57) chlorobenzene	16.93	112	23378	0.515	ppbV		99
58) ethylbenzene	17.23	91	35472	0.508	ppbV		100
59) m+p-xylene	17.36	91	55298	1.009	ppbV		100
60) bromoform	17.45	173	19700	0.489	ppbV		100
61) styrene	17.66	104	21159	0.495	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.74	83	22992	0.510	ppbV		99
63) o-xylene	17.74	91	28977	0.514	ppbV		97
65) isopropylbenzene	18.18	105	42690	0.510	ppbV		99
66) 4-ethyl toluene	18.67	105	42876	0.512	ppbV		99
67) 1,3,5-trimethylbenzene	18.72	105	35110	0.520	ppbV		98
68) tert-butylbenzene	19.03	119	39630	0.506	ppbV		99
69) 1,2,4-trimethylbenzene	19.03	105	34930	0.505	ppbV		97
70) Benzyl Chloride	19.14	91	29623	0.472	ppbV		98
71) 1,3-dichlorobenzene	19.16	146	26354	0.496	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127395.D
Acq On : 3 Apr 2013 1:53 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.5
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 14:48:52 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	26846	0.500	ppbV	94
73) sec-butylbenzene	19.22	105	54980	0.505	ppbV	98
74) p-isopropyltoluene	19.34	119	48162	0.497	ppbV	100
75) 1,2-dichlorobenzene	19.47	146	25299	0.498	ppbV	93
76) n-butylbenzene	19.66	91	43707	0.494	ppbV	97
77) 1,2,4-trichlorobenzene	20.92	180	20816	0.473	ppbV	99
78) naphthalene	21.05	128	52740	0.508	ppbV	99
79) 1,2,3-trichlorobenzene	21.30	180	22339	0.512	ppbV	100
80) hexachlorobutadiene	21.36	225	17650	0.498	ppbV	98

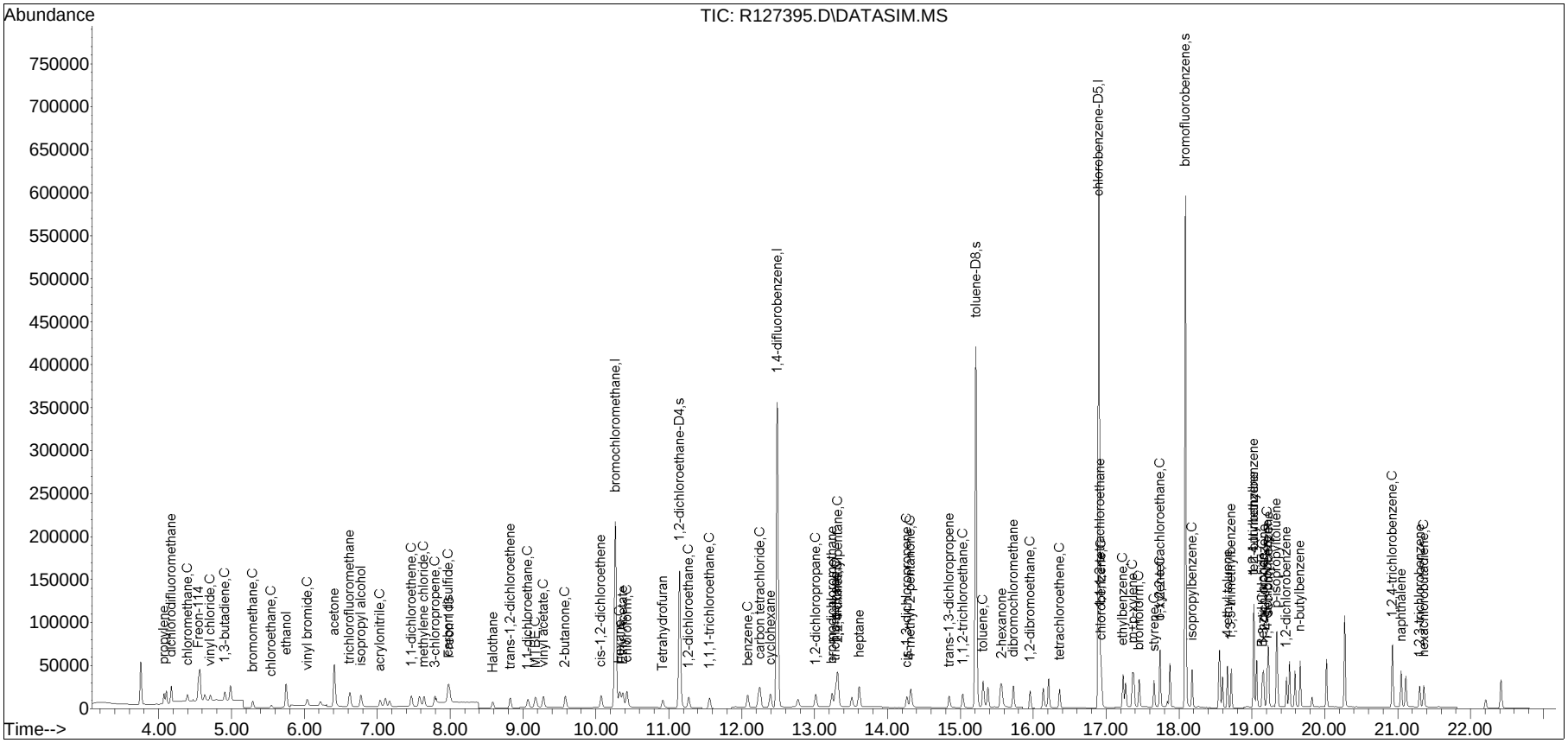
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127395.D
Acq On : 3 Apr 2013 1:53 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD0.5
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 14:48:52 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

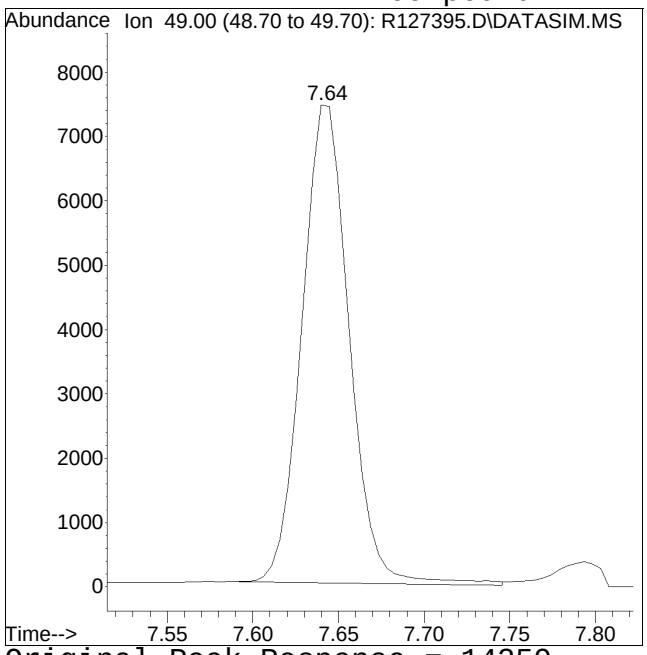


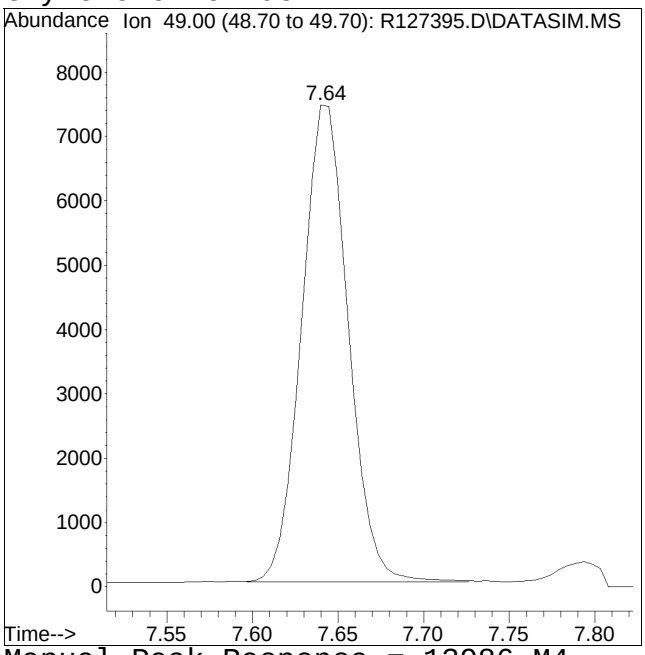
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127395.D
Date Inj'd : 4/3/2013 1:53 am
Sample : ITO15-SIMSTD0.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #17: methylene chloride





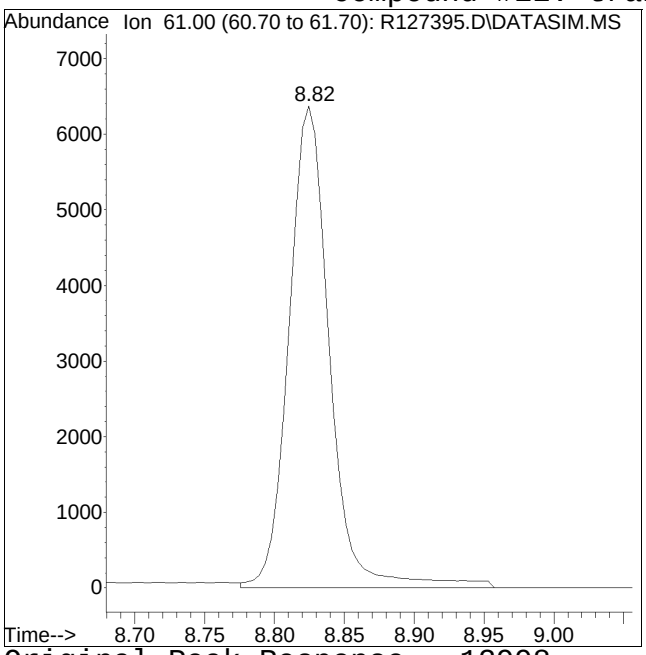
Original Peak Response = 14259 Manual Peak Response = 13986 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

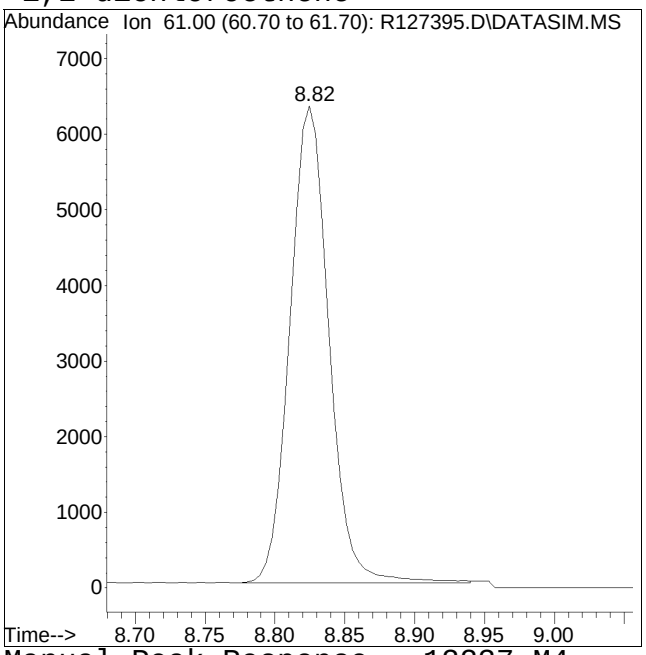
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127395.D
Date Inj'd : 4/3/2013 1:53 am
Sample : ITO15-SIMSTD0.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 12998



Manual Peak Response = 12237 M4

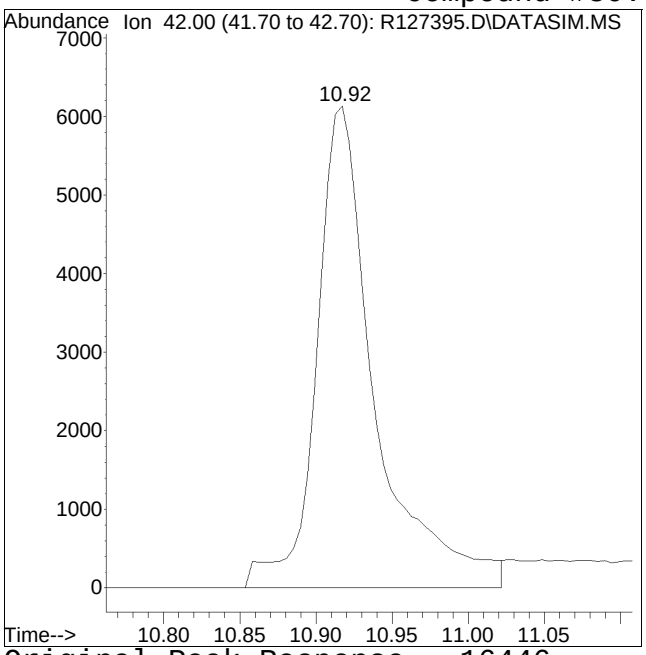
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

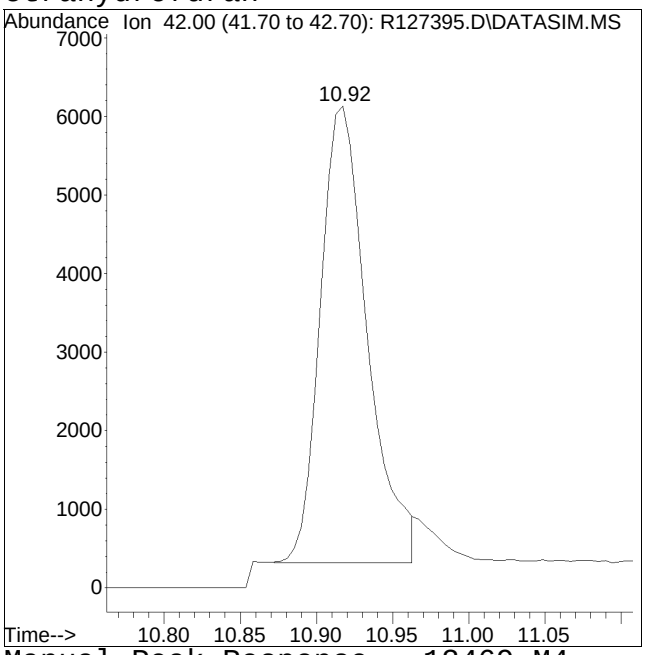
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127395.D
Date Inj'd : 4/3/2013 1:53 am
Sample : ITO15-SIMSTD0.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #30: Tetrahydrofuran



Original Peak Response = 16446



Manual Peak Response = 12469 M4

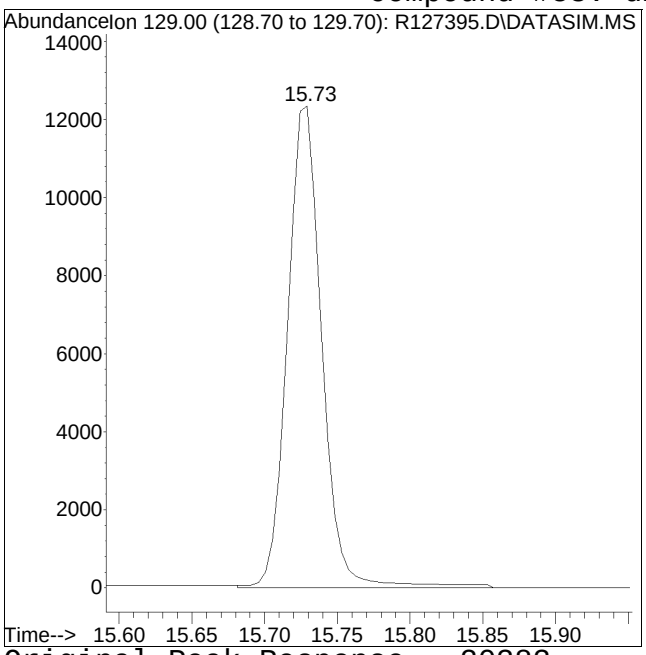
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

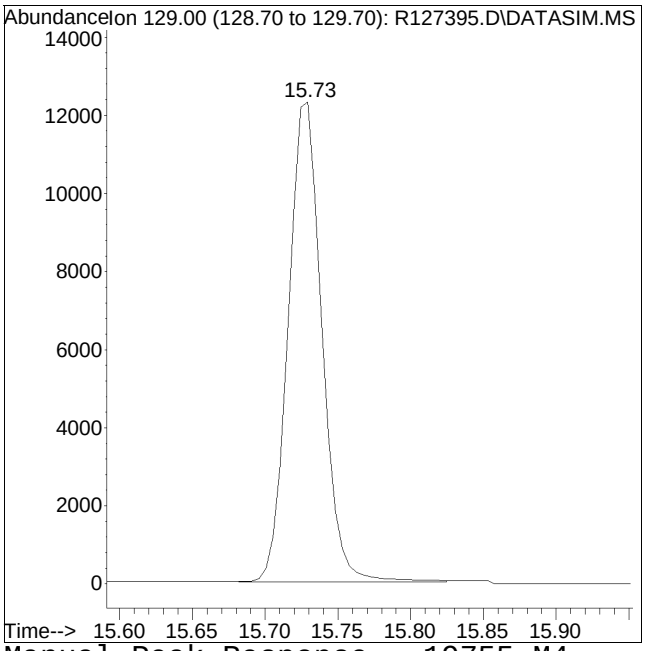
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127395.D
Date Inj'd : 4/3/2013 1:53 am
Sample : ITO15-SIMSTD0.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #53: dibromochloromethane



Original Peak Response = 20383



Manual Peak Response = 19755 M4

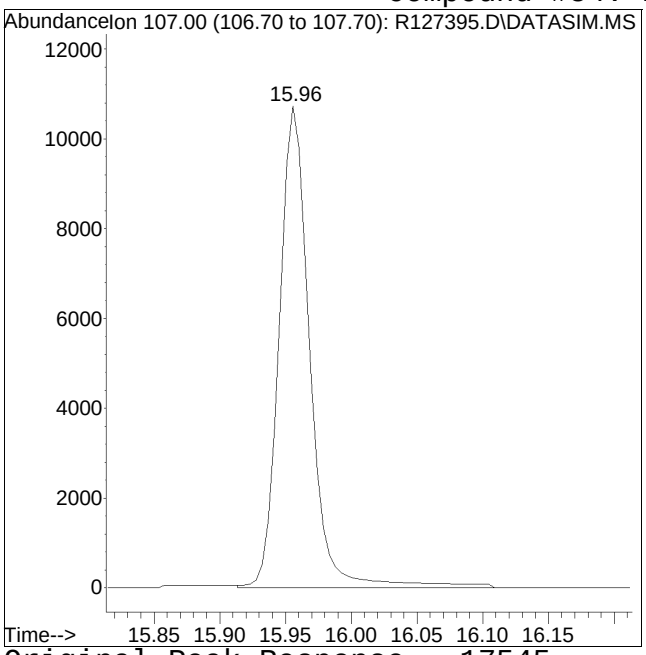
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

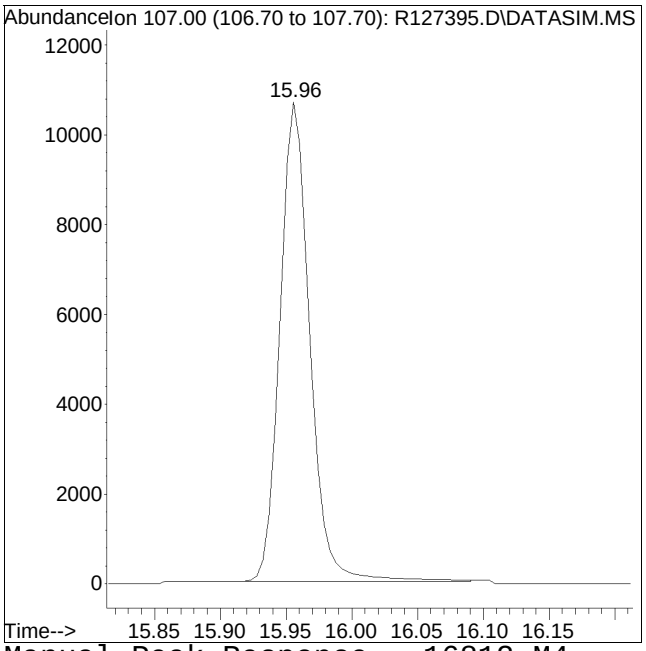
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127395.D
Date Inj'd : 4/3/2013 1:53 am
Sample : ITO15-SIMSTD0.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 17545



Manual Peak Response = 16812 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127396.D
Acq On : 3 Apr 2013 2:24 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD1.0
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 15:07:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	254627	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 98.27%			
32) 1,4-difluorobenzene	12.49	114	550848	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 99.56%			
49) chlorobenzene-D5	16.90	54	130743	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 98.97%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	163662	9.782	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.82%			
51) toluene-D8	15.21	98	402928	10.029	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%			
64) bromofluorobenzene	18.09	95	302690	9.782	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.82%			
Target Compounds						Qvalue
2) propylene	4.08	41	14394	1.076	ppbV	99
3) dichlorodifluoromethane	4.18	85	32003	1.029	ppbV	100
4) chloromethane	4.40	50	17039	1.074	ppbV	99
5) Freon-114	4.55	85	36517	1.056	ppbV	99
6) vinyl chloride	4.71	62	14996	1.055	ppbV	99
7) 1,3-butadiene	4.91	54	11844	1.051	ppbV	97
8) bromomethane	5.29	94	13130	1.046	ppbV	99
9) chloroethane	5.55	64	6425	1.041	ppbV	98
10) ethanol	5.75	31	64061	5.235	ppbV	99
11) vinyl bromide	6.04	106	13393	1.049	ppbV	99
12) acetone	6.40	43	141110	5.334	ppbV #	98
13) trichlorofluoromethane	6.62	101	40156	1.041	ppbV	100
14) isopropyl alcohol	6.77	45	41923	1.165	ppbV	99
15) acrylonitrile	7.04	53	13523	1.031	ppbV	99
16) 1,1-dichloroethene	7.47	61	25294	1.039	ppbV	100
17) methylene chloride	7.64	49	25266M4	1.127	ppbV	
18) 3-chloropropene	7.79	41	22818	1.041	ppbV	100
19) carbon disulfide	7.97	76	38044	1.056	ppbV #	52
20) Freon 113	7.99	101	27777	1.034	ppbV	99
21) Halothane	8.59	117	18338	1.017	ppbV	99
22) trans-1,2-dichloroethene	8.82	61	24205M4	1.038	ppbV	
23) 1,1-dichloroethane	9.07	63	27412	1.043	ppbV	99
24) MTBE	9.17	73	33129	1.046	ppbV	94
25) vinyl acetate	9.28	43	46565	1.020	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127396.D
Acq On : 3 Apr 2013 2:24 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD1.0
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 15:07:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.57	43	44210	1.046	ppbV		98
27) cis-1,2-dichloroethene	10.07	61	24395	1.037	ppbV		99
28) Ethyl Acetate	10.37	61	5812	1.024	ppbV		92
29) chloroform	10.43	83	30864	1.041	ppbV		99
30) Tetrahydrofuran	10.91	42	24384M4	1.019	ppbV		
31) 1,2-dichloroethane	11.27	62	22822	1.050	ppbV		99
33) hexane	10.32	57	27456	1.041	ppbV		79
35) 1,1,1-trichloroethane	11.56	97	30971	1.021	ppbV		99
36) benzene	12.08	78	44829	1.027	ppbV		100
37) carbon tetrachloride	12.25	117	33408	1.020	ppbV		100
38) cyclohexane	12.39	56	29021	1.031	ppbV		98
39) 1,2-dichloropropane	13.02	63	19542	1.023	ppbV		99
40) bromodichloromethane	13.24	83	33854	1.012	ppbV		99
41) 1,4-dioxane	13.30	88	9870	1.013	ppbV	#	80
42) trichloroethene	13.28	130	21904	1.010	ppbV		99
43) 2,2,4-trimethylpentane	13.32	57	91615	1.024	ppbV		100
44) heptane	13.61	43	38345	1.031	ppbV		99
45) cis-1,3-dichloropropene	14.27	75	25028	1.008	ppbV		98
46) 4-methyl-2-pentanone	14.31	43	52800	1.001	ppbV		100
47) trans-1,3-dichloropropene	14.85	75	25033	0.993	ppbV		99
48) 1,1,2-trichloroethane	15.03	97	19565	1.026	ppbV		98
50) toluene	15.31	91	54008M4	1.019	ppbV		
52) 2-hexanone	15.56	43	46716	0.935	ppbV		96
53) dibromochloromethane	15.72	129	39337	1.009	ppbV		99
54) 1,2-dibromoethane	15.96	107	33244M4	1.016	ppbV		
55) tetrachloroethene	16.36	166	28435	1.025	ppbV		99
56) 1,1,1,2-tetrachloroethane	16.92	131	28556	1.007	ppbV		99
57) chlorobenzene	16.93	112	46439	1.028	ppbV		100
58) ethylbenzene	17.23	91	71055	1.022	ppbV		100
59) m+p-xylene	17.38	91	111752	2.049	ppbV		100
60) bromoform	17.45	173	39749	0.993	ppbV		100
61) styrene	17.66	104	42968	1.009	ppbV		98
62) 1,1,2,2-tetrachloroethane	17.74	83	45602	1.016	ppbV		100
63) o-xylene	17.74	91	57458	1.025	ppbV		96
65) isopropylbenzene	18.18	105	84744	1.017	ppbV		100
66) 4-ethyl toluene	18.66	105	86154	1.033	ppbV		99
67) 1,3,5-trimethylbenzene	18.72	105	70195	1.044	ppbV		99
68) tert-butylbenzene	19.03	119	78587	1.009	ppbV		99
69) 1,2,4-trimethylbenzene	19.03	105	69413	1.010	ppbV		99
70) Benzyl Chloride	19.14	91	60441	0.969	ppbV		95
71) 1,3-dichlorobenzene	19.16	146	53072	1.004	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127396.D
Acq On : 3 Apr 2013 2:24 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD1.0
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 15:07:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	54147	1.014	ppbV	98
73) sec-butylbenzene	19.22	105	109262	1.010	ppbV	98
74) p-isopropyltoluene	19.34	119	97051	1.006	ppbV	99
75) 1,2-dichlorobenzene	19.47	146	50966	1.009	ppbV	95
76) n-butylbenzene	19.66	91	87768	0.998	ppbV	95
77) 1,2,4-trichlorobenzene	20.92	180	42505	0.971	ppbV	99
78) naphthalene	21.04	128	105753	1.024	ppbV	100
79) 1,2,3-trichlorobenzene	21.30	180	45728	1.053	ppbV	99
80) hexachlorobutadiene	21.36	225	35057	0.994	ppbV	99

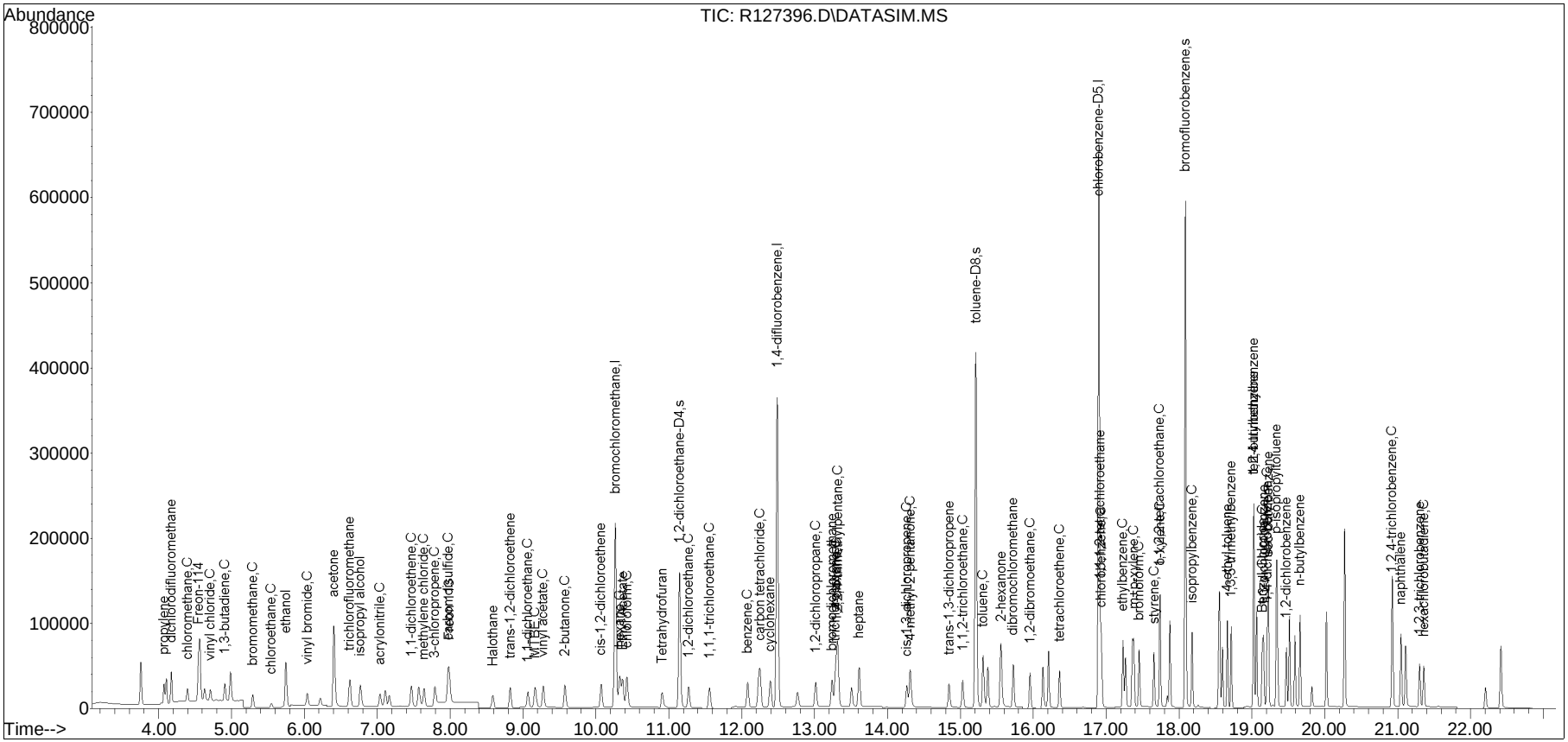
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127396.D
Acq On : 3 Apr 2013 2:24 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD1.0
Misc : WG599306
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 03 15:07:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

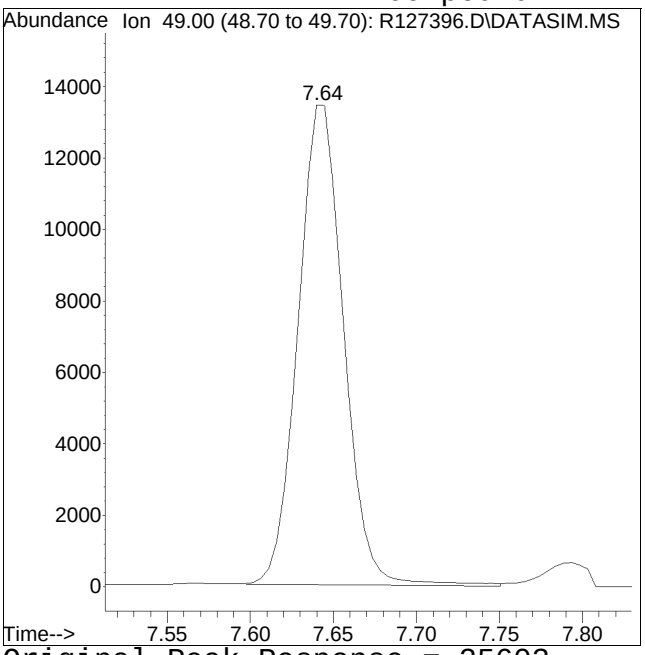
Sub List : Default - All compounds listed



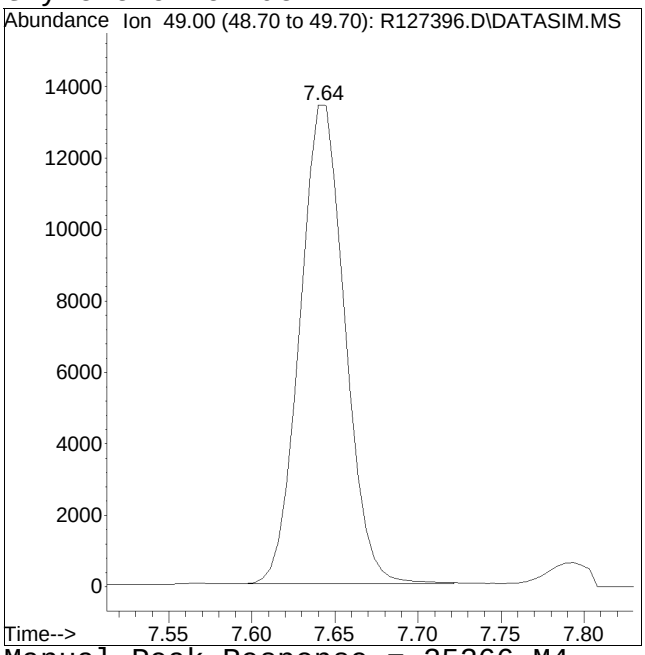
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127396.D
Date Inj'd : 4/3/2013 2:24 am
Sample : ITO15-SIMSTD1.0
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #17: methylene chloride



Original Peak Response = 25603



Manual Peak Response = 25266 M4

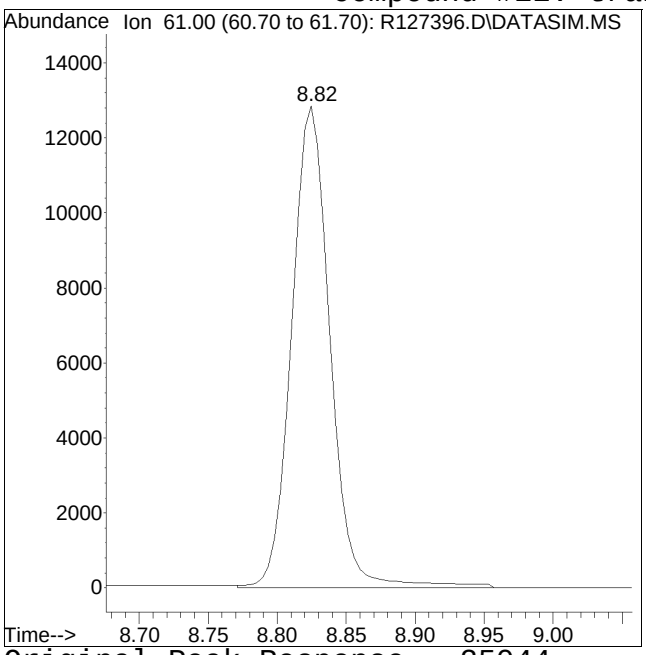
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

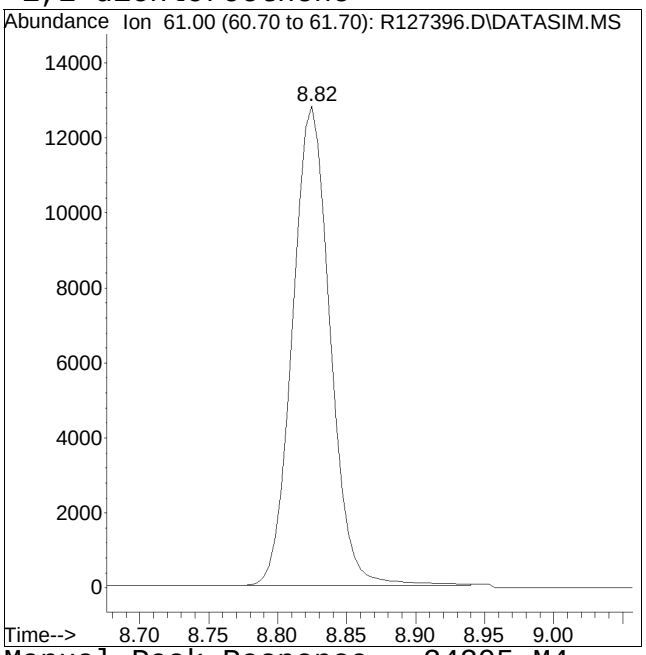
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127396.D
Date Inj'd : 4/3/2013 2:24 am
Sample : ITO15-SIMSTD1.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 25044



Manual Peak Response = 24205 M4

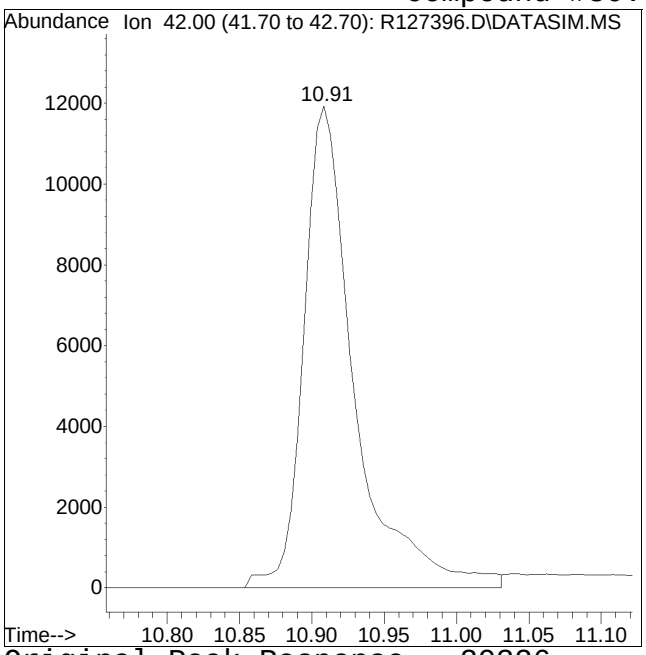
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

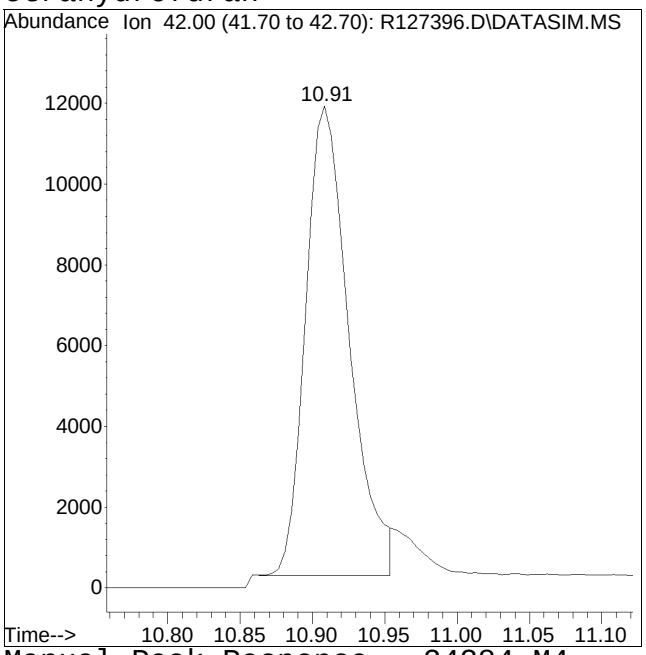
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127396.D
Date Inj'd : 4/3/2013 2:24 am
Sample : ITO15-SIMSTD1.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #30: Tetrahydrofuran



Original Peak Response = 29326



Manual Peak Response = 24384 M4

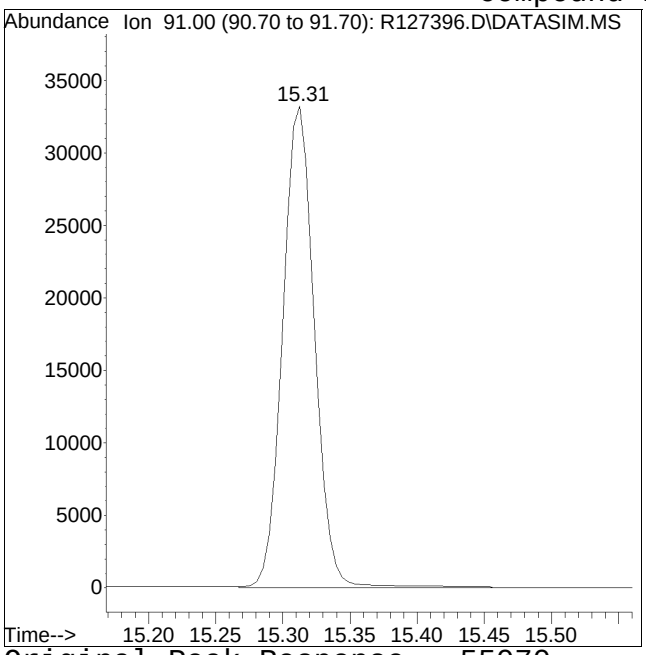
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

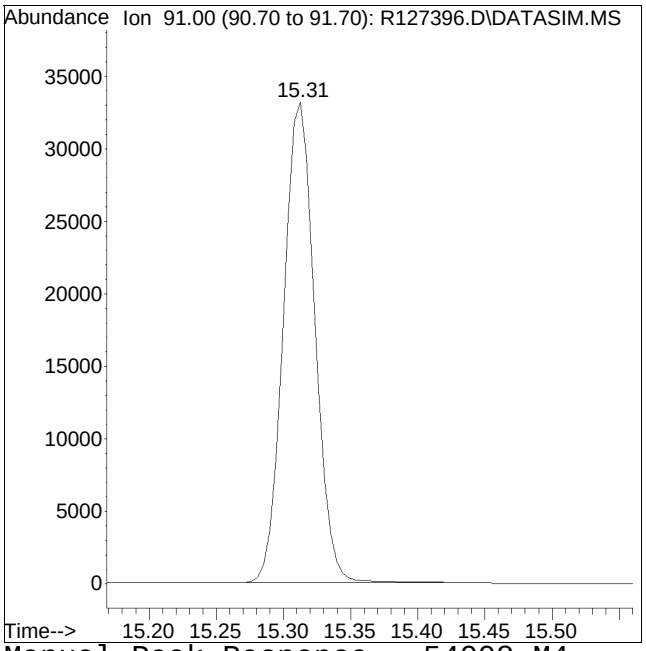
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127396.D
Date Inj'd : 4/3/2013 2:24 am
Sample : ITO15-SIMSTD1.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #50: toluene



Original Peak Response = 55070



Manual Peak Response = 54008 M4

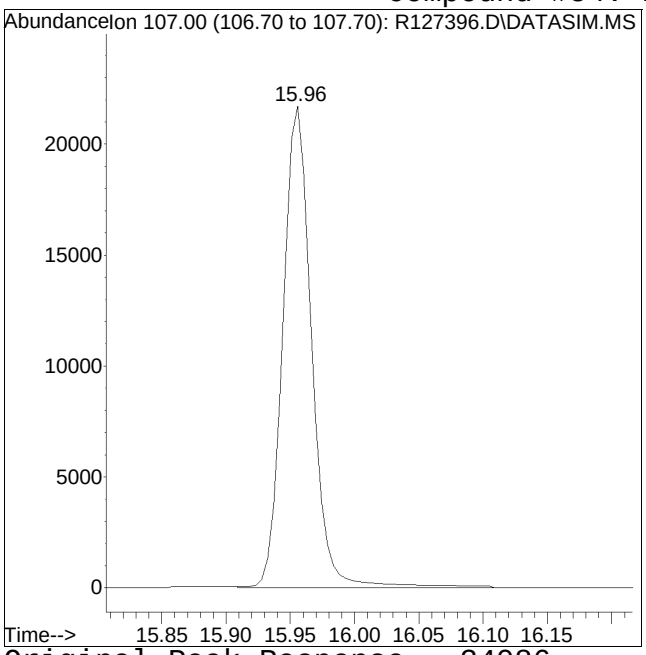
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

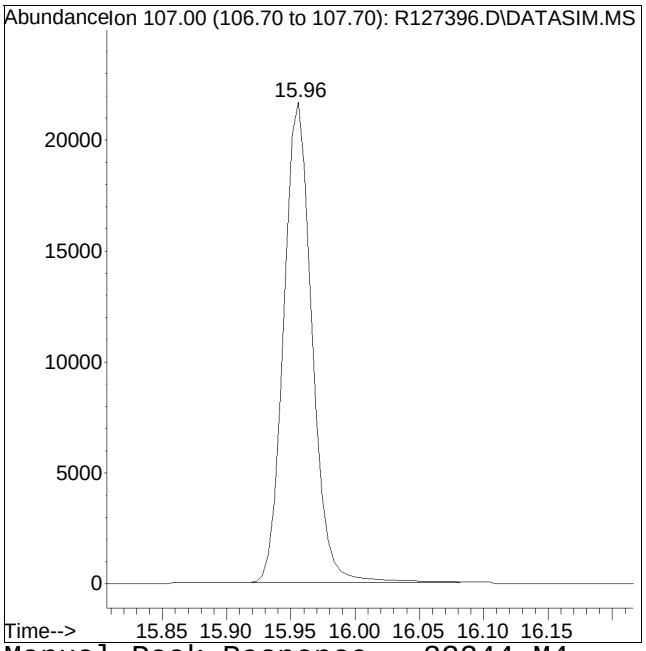
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127396.D
Date Inj'd : 4/3/2013 2:24 am
Sample : ITO15-SIMSTD1.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:38 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 34086



Manual Peak Response = 33244 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127397.D
Acq On : 3 Apr 2013 2:56 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD2.5
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 15:11:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	255273	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 98.52%			
32) 1,4-difluorobenzene	12.49	114	557984	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 100.85%			
49) chlorobenzene-D5	16.90	54	131199	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 99.32%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	167172	9.864	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.64%			
51) toluene-D8	15.21	98	407639	10.111	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%			
64) bromofluorobenzene	18.09	95	309906	9.980	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%			
Target Compounds						Qvalue
2) propylene	4.08	41	34041	2.539	ppbV	100
3) dichlorodifluoromethane	4.18	85	80656	2.587	ppbV	100
4) chloromethane	4.40	50	40407	2.540	ppbV	99
5) Freon-114	4.55	85	88488	2.552	ppbV	100
6) vinyl chloride	4.71	62	36266	2.544	ppbV	100
7) 1,3-butadiene	4.91	54	28389	2.514	ppbV	99
8) bromomethane	5.29	94	31862	2.532	ppbV	99
9) chloroethane	5.55	64	15736	2.543	ppbV	99
10) ethanol	5.74	31	157697	12.853	ppbV	99
11) vinyl bromide	6.04	106	32455	2.537	ppbV	100
12) acetone	6.40	43	338857	12.776	ppbV	100
13) trichlorofluoromethane	6.62	101	97781	2.528	ppbV	100
14) isopropyl alcohol	6.76	45	91964	2.549	ppbV	100
15) acrylonitrile	7.04	53	33522	2.549	ppbV	100
16) 1,1-dichloroethene	7.47	61	61630	2.524	ppbV	100
17) methylene chloride	7.64	49	57768M4	2.571	ppbV	
18) 3-chloropropene	7.79	41	55940	2.546	ppbV	99
19) carbon disulfide	7.97	76	90786	2.513	ppbV #	88
20) Freon 113	7.99	101	67741	2.516	ppbV	99
21) Halothane	8.59	117	45428	2.514	ppbV	100
22) trans-1,2-dichloroethene	8.82	61	58540M4	2.503	ppbV	
23) 1,1-dichloroethane	9.07	63	66740	2.532	ppbV	100
24) MTBE	9.16	73	80603	2.540	ppbV	99
25) vinyl acetate	9.28	43	113492	2.479	ppbV	99

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127397.D
Acq On : 3 Apr 2013 2:56 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD2.5
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 15:11:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 2-butanone	9.57	43	92651	2.187	ppbV	98
27) cis-1,2-dichloroethene	10.07	61	59738	2.533	ppbV	99
28) Ethyl Acetate	10.36	61	14398	2.529	ppbV	94
29) chloroform	10.43	83	75076	2.527	ppbV	99
30) Tetrahydrofuran	10.90	42	59635M4	2.487	ppbV	
31) 1,2-dichloroethane	11.27	62	55273	2.537	ppbV	99
33) hexane	10.32	57	66243	2.480	ppbV	91
35) 1,1,1-trichloroethane	11.56	97	75910	2.471	ppbV	99
36) benzene	12.08	78	109128	2.467	ppbV	100
37) carbon tetrachloride	12.25	117	81393	2.452	ppbV	100
38) cyclohexane	12.39	56	70384	2.468	ppbV	99
39) 1,2-dichloropropane	13.02	63	47888	2.475	ppbV	100
40) bromodichloromethane	13.24	83	83479	2.464	ppbV	100
41) 1,4-dioxane	13.29	88	24514	2.484	ppbV	94
42) trichloroethene	13.28	130	54346	2.475	ppbV	99
43) 2,2,4-trimethylpentane	13.32	57	223827	2.470	ppbV	100
44) heptane	13.61	43	93322	2.476	ppbV	100
45) cis-1,3-dichloropropene	14.27	75	60848	2.418	ppbV	100
46) 4-methyl-2-pentanone	14.30	43	129162	2.417	ppbV	100
47) trans-1,3-dichloropropene	14.85	75	62413	2.445	ppbV	99
48) 1,1,2-trichloroethane	15.03	97	47899	2.481	ppbV	99
50) toluene	15.31	91	133981M4	2.518	ppbV	
52) 2-hexanone	15.55	43	128025M4	2.554	ppbV	
53) dibromochloromethane	15.72	129	97458M4	2.490	ppbV	
54) 1,2-dibromoethane	15.96	107	81949M4	2.495	ppbV	
55) tetrachloroethene	16.36	166	70056	2.515	ppbV	100
56) 1,1,1,2-tetrachloroethane	16.92	131	71140	2.501	ppbV	99
57) chlorobenzene	16.93	112	113332	2.501	ppbV	99
58) ethylbenzene	17.23	91	175842	2.521	ppbV	99
59) m+p-xylene	17.37	91	275146	5.027	ppbV	99
60) bromoform	17.45	173	99836	2.484	ppbV	100
61) styrene	17.66	104	106837	2.501	ppbV	98
62) 1,1,2,2-tetrachloroethane	17.74	83	113186	2.513	ppbV	100
63) o-xylene	17.74	91	141995	2.523	ppbV	97
65) isopropylbenzene	18.18	105	212043	2.537	ppbV	100
66) 4-ethyl toluene	18.66	105	212828	2.544	ppbV	100
67) 1,3,5-trimethylbenzene	18.72	105	173256	2.568	ppbV	99
68) tert-butylbenzene	19.03	119	196479	2.514	ppbV	99
69) 1,2,4-trimethylbenzene	19.03	105	172675	2.503	ppbV	99
70) Benzyl Chloride	19.14	91	154442	2.467	ppbV	99
71) 1,3-dichlorobenzene	19.16	146	132089	2.490	ppbV	98

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127397.D
Acq On : 3 Apr 2013 2:56 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD2.5
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 15:11:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	134257	2.506	ppbV	98
73) sec-butylbenzene	19.22	105	274183	2.525	ppbV	98
74) p-isopropyltoluene	19.34	119	243063	2.510	ppbV	100
75) 1,2-dichlorobenzene	19.47	146	126833	2.502	ppbV	98
76) n-butylbenzene	19.66	91	221598	2.511	ppbV	94
77) 1,2,4-trichlorobenzene	20.92	180	104578	2.381	ppbV	100
78) naphthalene	21.04	128	244546	2.360	ppbV	99
79) 1,2,3-trichlorobenzene	21.30	180	101597	2.331	ppbV	100
80) hexachlorobutadiene	21.36	225	84231	2.380	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127397.D
Acq On : 3 Apr 2013 2:56 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD2.5
Misc : WG599306
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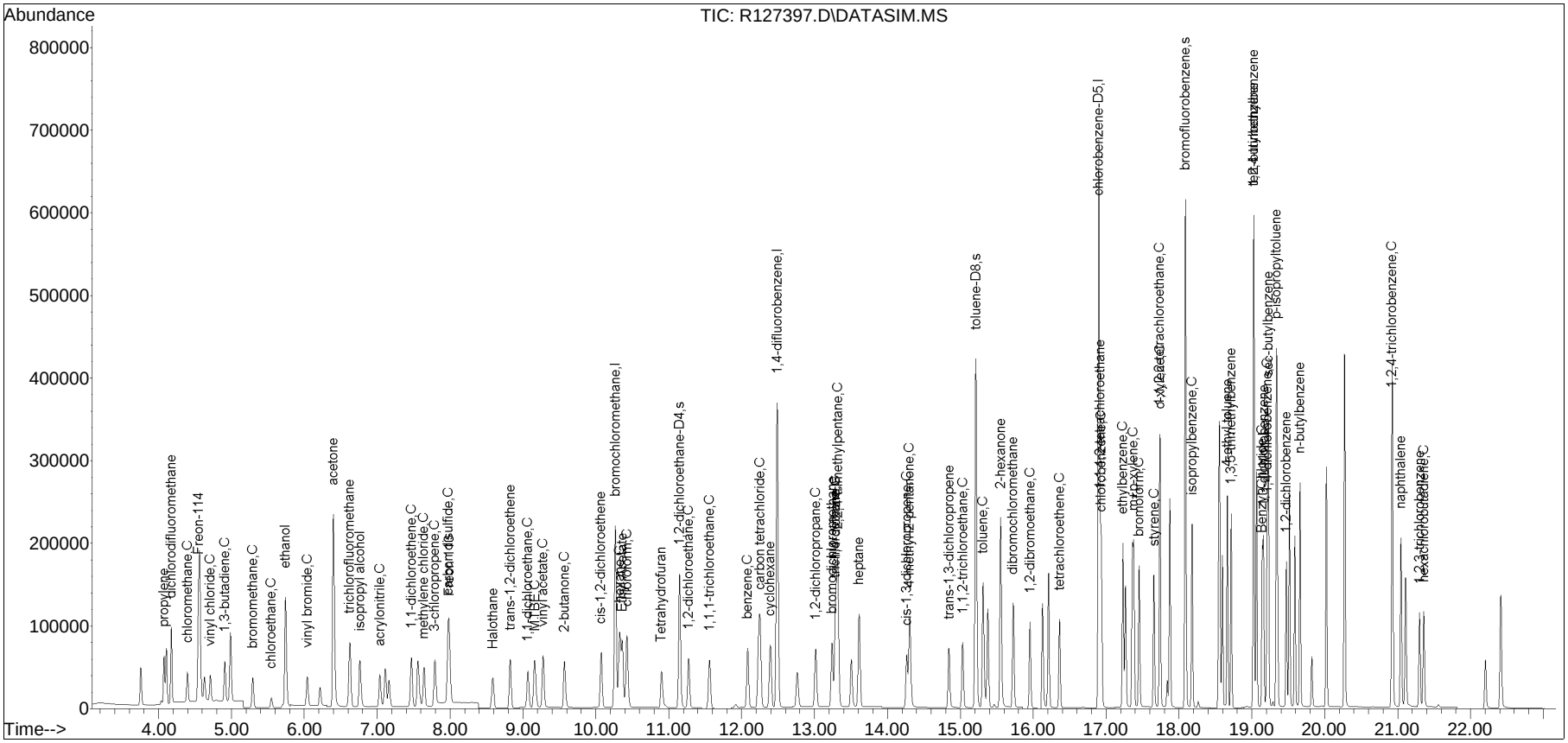
Quant Time: Apr 03 15:11:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

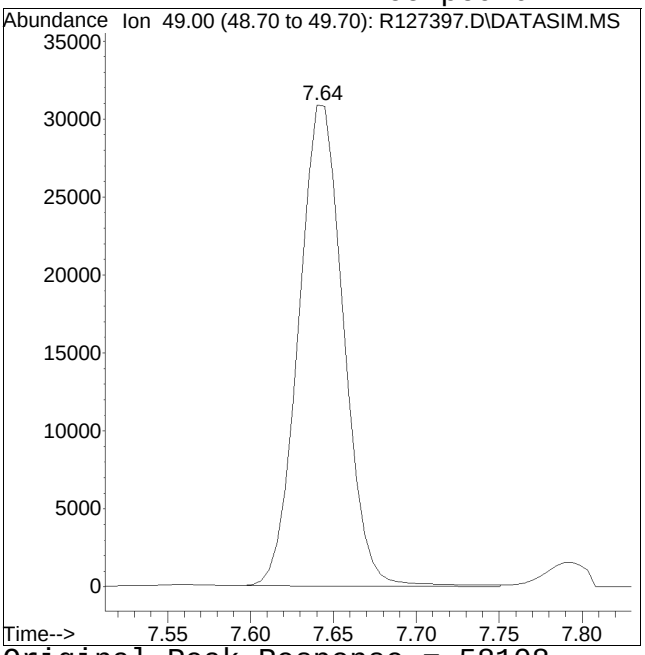


Manual Integration/Negative Proof Report

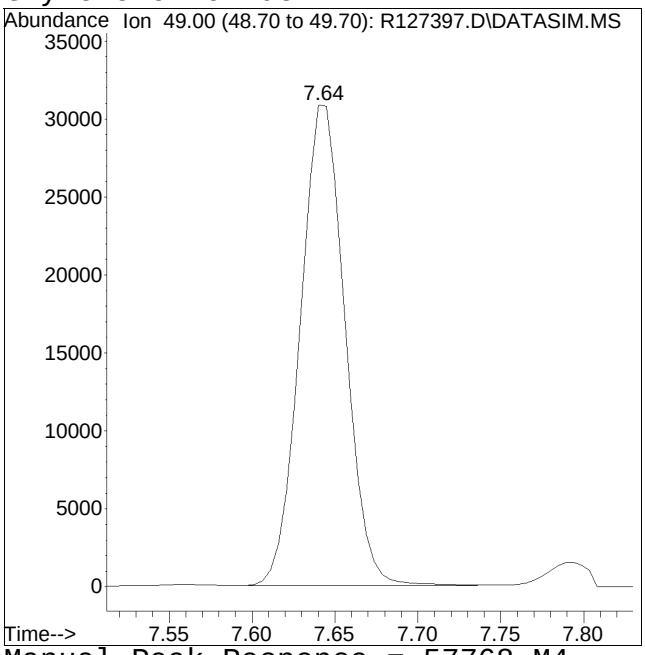
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #17: methylene chloride



Original Peak Response = 58108



Manual Peak Response = 57768 M4

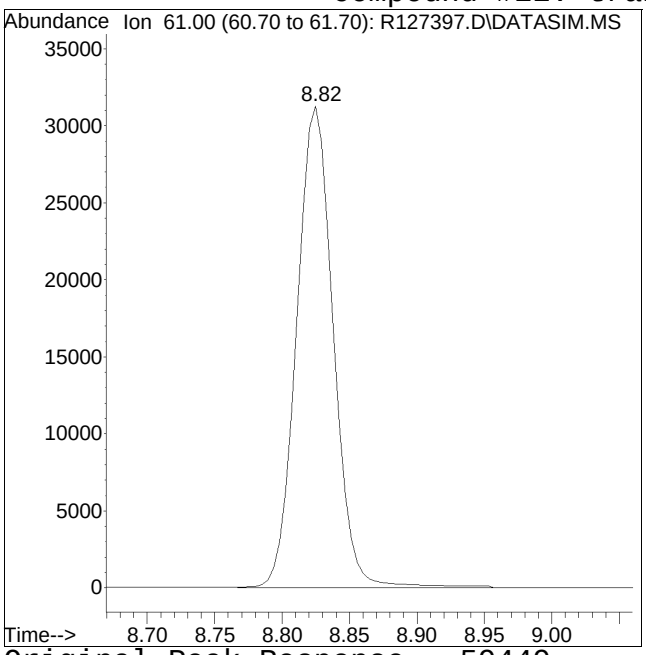
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

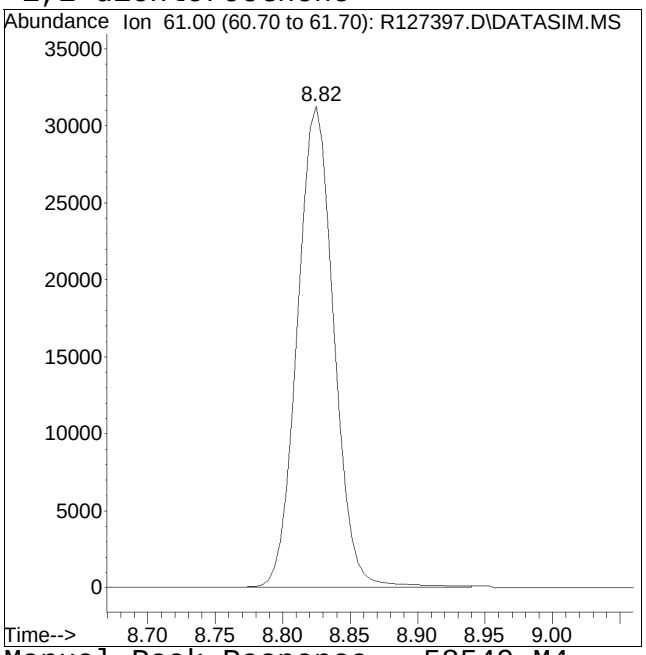
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 59449



Manual Peak Response = 58540 M4

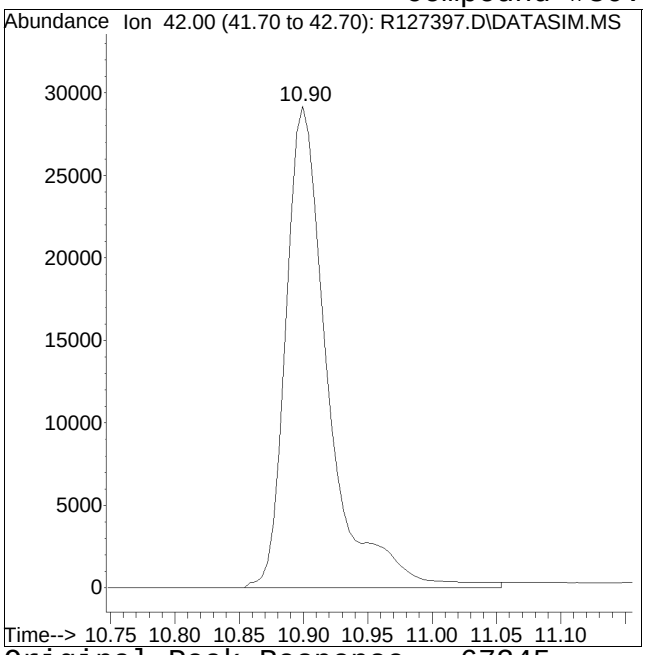
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

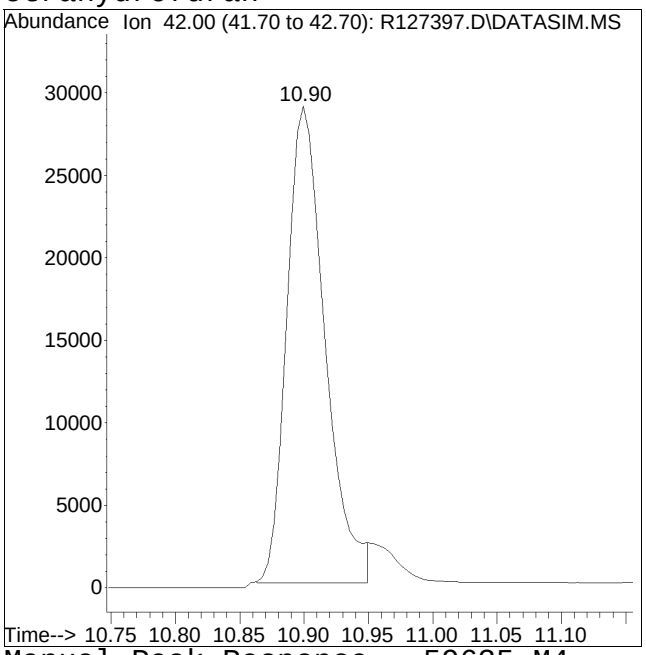
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #30: Tetrahydrofuran



Original Peak Response = 67245



Manual Peak Response = 59635 M4

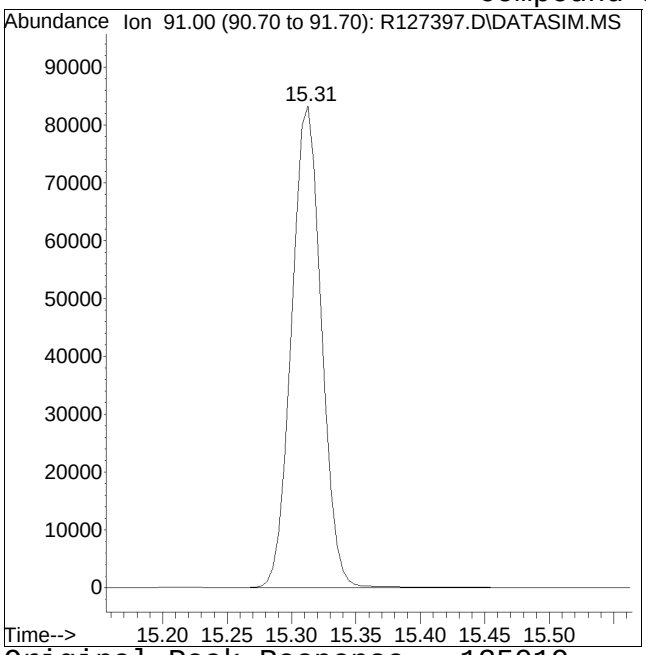
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

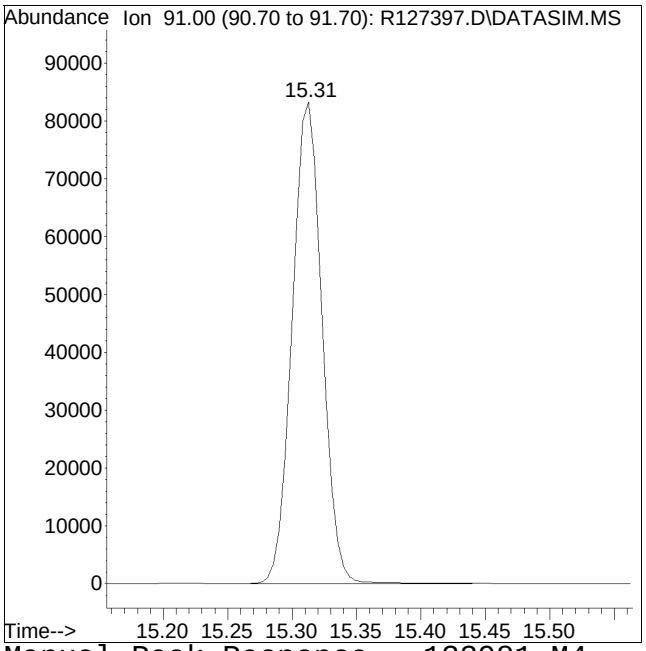
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #50: toluene



Original Peak Response = 135019



Manual Peak Response = 133981 M4

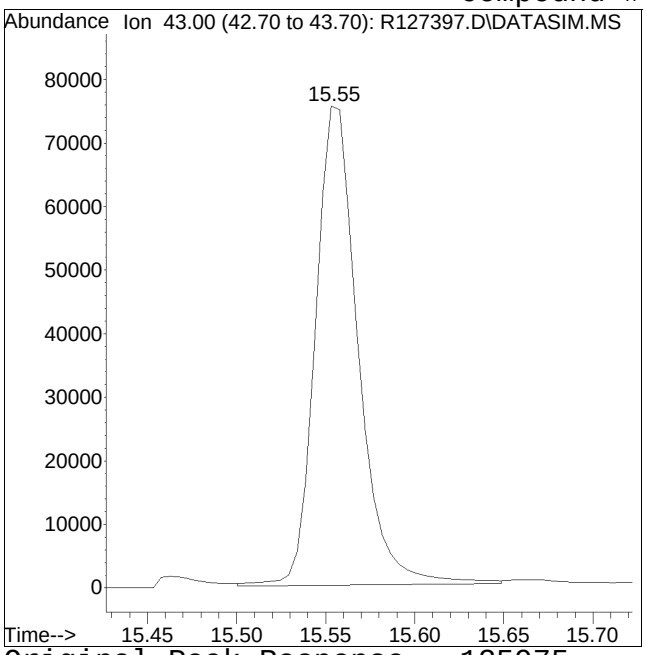
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

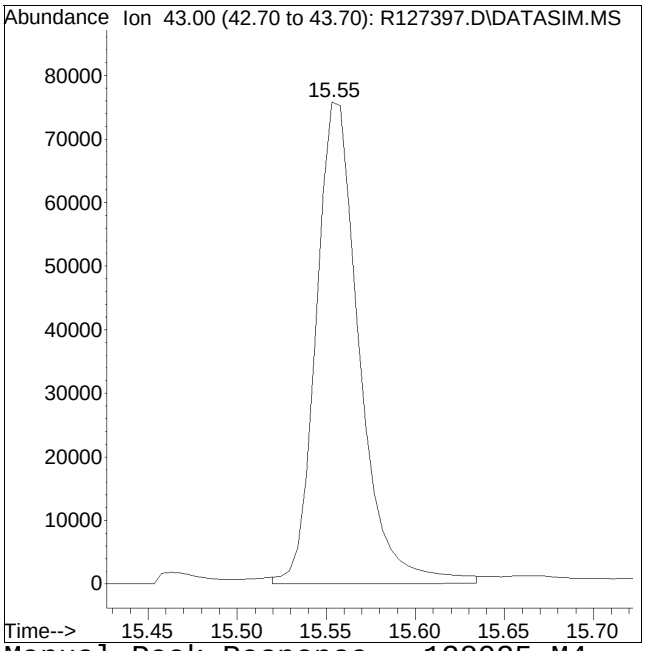
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #52: 2-hexanone



Original Peak Response = 125975



Manual Peak Response = 128025 M4

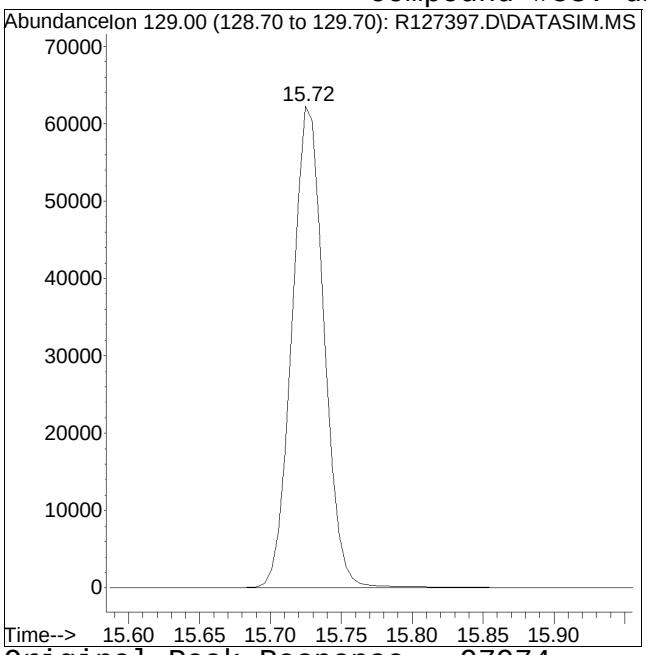
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

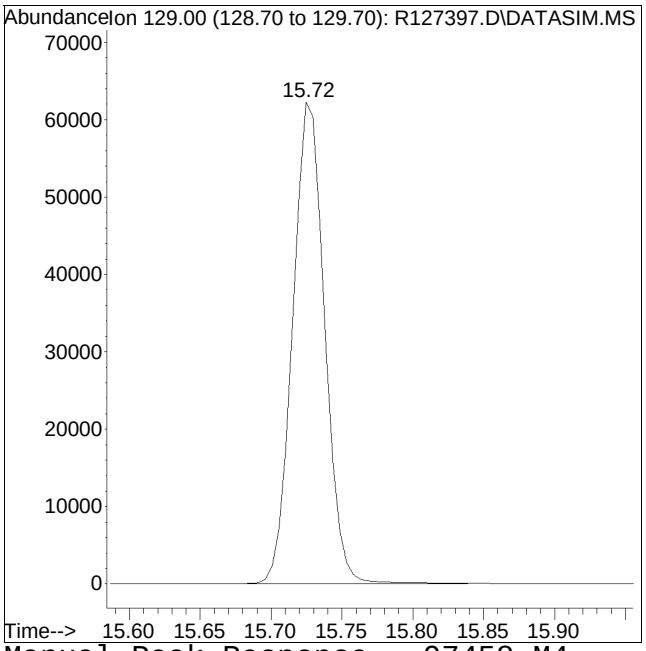
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #53: dibromochloromethane



Original Peak Response = 97974



Manual Peak Response = 97458 M4

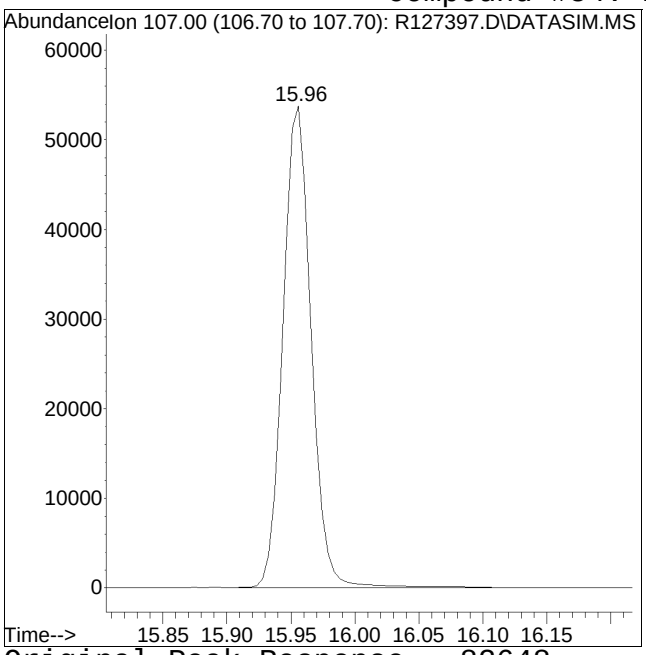
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

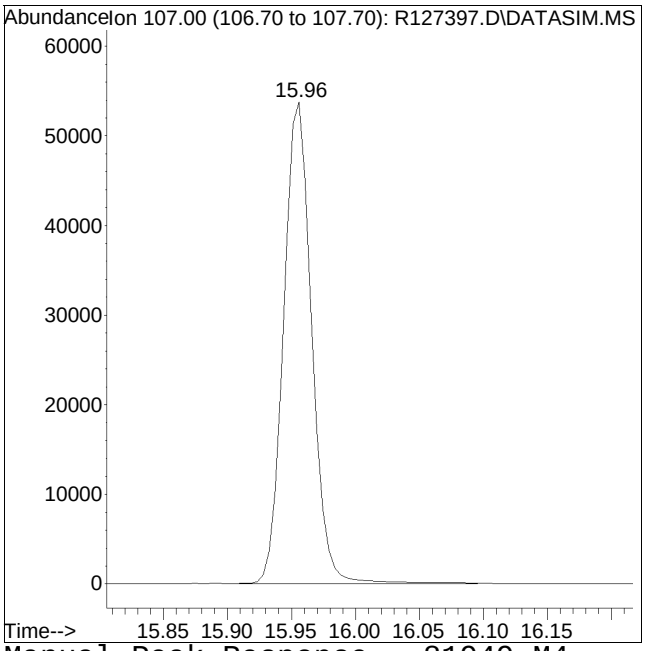
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127397.D
Date Inj'd : 4/3/2013 2:56 am
Sample : ITO15-SIMSTD2.5

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 82648



Manual Peak Response = 81949 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127398.D
Acq On : 3 Apr 2013 3:28 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 14:36:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Feb 25 15:32:36 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	259105	10.000	ppbV	# 0.00
Standard Area = 259105			Recovery = 100.00%			
32) 1,4-difluorobenzene	12.49	114	553296	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 100.00%			
49) chlorobenzene-D5	16.90	54	132097	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 100.00%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	168052	9.678	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.78%			
51) toluene-D8	15.21	98	405934	9.005	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.05%			
64) bromofluorobenzene	18.09	95	312645	8.894	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.94%			
Target Compounds						Qvalue
2) propylene	4.08	41	68035	4.428	ppbV	97
3) dichlorodifluoromethane	4.18	85	158246	3.179	ppbV	98
4) chloromethane	4.40	50	80721	4.169	ppbV	99
5) Freon-114	4.55	85	175971	3.313	ppbV	97
6) vinyl chloride	4.71	62	72345	3.827	ppbV	97
7) 1,3-butadiene	4.91	54	57317	4.141	ppbV	99
8) bromomethane	5.29	94	63851	3.388	ppbV	98
9) chloroethane	5.55	64	31410	3.598	ppbV	99
10) ethanol	5.74	31	311332	20.930	ppbV	95
11) vinyl bromide	6.04	106	64933	3.443	ppbV	100
12) acetone	6.39	43	673035	20.449	ppbV	98
13) trichlorofluoromethane	6.62	101	196274	3.347	ppbV	99
14) isopropyl alcohol	6.76	45	183106	4.329	ppbV	99
15) acrylonitrile	7.04	53	66736	4.142	ppbV	100
16) 1,1-dichloroethene	7.47	61	123919	3.909	ppbV	94
17) methylene chloride	7.64	49	114024	4.287	ppbV #	84
18) 3-chloropropene	7.79	41	111514	4.253	ppbV #	93
19) carbon disulfide	7.97	76	183356	3.294	ppbV #	91
20) Freon 113	7.99	101	136630	3.439	ppbV	97
21) Halothane	8.59	117	91710	3.539	ppbV	97
22) trans-1,2-dichloroethene	8.82	61	118678M4	3.939	ppbV	
23) 1,1-dichloroethane	9.07	63	133769	3.712	ppbV	100
24) MTBE	9.16	73	161071	3.351	ppbV #	91
25) vinyl acetate	9.28	43	232342	4.245	ppbV #	96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127398.D
Acq On : 3 Apr 2013 3:28 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 14:36:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Feb 25 15:32:36 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.56	43	214954	4.634	ppbV		96
27) cis-1,2-dichloroethene	10.07	61	119685	4.290	ppbV		92
28) Ethyl Acetate	10.36	61	28892	4.640	ppbV		82
29) chloroform	10.43	83	150792	3.666	ppbV		97
30) Tetrahydrofuran	10.89	42	121693	4.886	ppbV	#	87
31) 1,2-dichloroethane	11.27	62	110569	3.700	ppbV	#	94
33) hexane	10.32	57	132457	5.679	ppbV		98
35) 1,1,1-trichloroethane	11.56	97	152301	4.570	ppbV		96
36) benzene	12.08	78	219282	4.938	ppbV		92
37) carbon tetrachloride	12.25	117	164555	4.576	ppbV		99
38) cyclohexane	12.39	56	141406	5.868	ppbV		90
39) 1,2-dichloropropane	13.01	63	95946	5.309	ppbV		96
40) bromodichloromethane	13.24	83	167985	4.666	ppbV		98
41) 1,4-dioxane	13.28	88	48933	4.796	ppbV		85
42) trichloroethene	13.28	130	108885	4.834	ppbV		100
43) 2,2,4-trimethylpentane	13.32	57	449268	5.817	ppbV		97
44) heptane	13.61	43	186869	6.023	ppbV	#	97
45) cis-1,3-dichloropropene	14.27	75	124756	4.885	ppbV		95
46) 4-methyl-2-pentanone	14.30	43	264915	6.322	ppbV	#	96
47) trans-1,3-dichloropropene	14.84	75	126564	4.893	ppbV		95
48) 1,1,2-trichloroethane	15.03	97	95733	4.864	ppbV		99
50) toluene	15.31	91	267861	4.388	ppbV		100
52) 2-hexanone	15.55	43	252346	6.323	ppbV		97
53) dibromochloromethane	15.72	129	197024M4	4.503	ppbV		
54) 1,2-dibromoethane	15.96	107	165332M4	4.513	ppbV		
55) tetrachloroethene	16.36	166	140203	4.677	ppbV		95
56) 1,1,1,2-tetrachloroethane	16.92	131	143198	4.573	ppbV		98
57) chlorobenzene	16.93	112	228150	4.445	ppbV		100
58) ethylbenzene	17.23	91	351161	4.441	ppbV		99
59) m+p-xylene	17.37	91	551079	8.891	ppbV		99
60) bromoform	17.45	173	202296	4.497	ppbV		99
61) styrene	17.65	104	215065	4.669	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.74	83	226720	4.651	ppbV		98
63) o-xylene	17.74	91	283295	4.405	ppbV		100
65) isopropylbenzene	18.18	105	420755	4.624	ppbV		100
66) 4-ethyl toluene	18.66	105	421156	4.744	ppbV		98
67) 1,3,5-trimethylbenzene	18.72	105	339684	4.434	ppbV		98
68) tert-butylbenzene	19.03	119	393384	4.605	ppbV		100
69) 1,2,4-trimethylbenzene	19.03	105	347329	4.708	ppbV		98
70) Benzyl Chloride	19.14	91	315197	4.803	ppbV		99
71) 1,3-dichlorobenzene	19.16	146	267010M3	4.799	ppbV		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127398.D
Acq On : 3 Apr 2013 3:28 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 14:36:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Feb 25 15:32:36 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	269713M3	4.666	ppbV		
73) sec-butylbenzene	19.22	105	546735	4.787	ppbV		98
74) p-isopropyltoluene	19.34	119	487443	4.670	ppbV		99
75) 1,2-dichlorobenzene	19.47	146	255165	4.736	ppbV		98
76) n-butylbenzene	19.66	91	444266	4.785	ppbV		99
77) 1,2,4-trichlorobenzene	20.92	180	221100	5.183	ppbV		97
78) naphthalene	21.04	128	521553	4.280	ppbV		99
79) 1,2,3-trichlorobenzene	21.30	180	219460	4.959	ppbV		97
80) hexachlorobutadiene	21.36	225	178187	5.413	ppbV	#	90

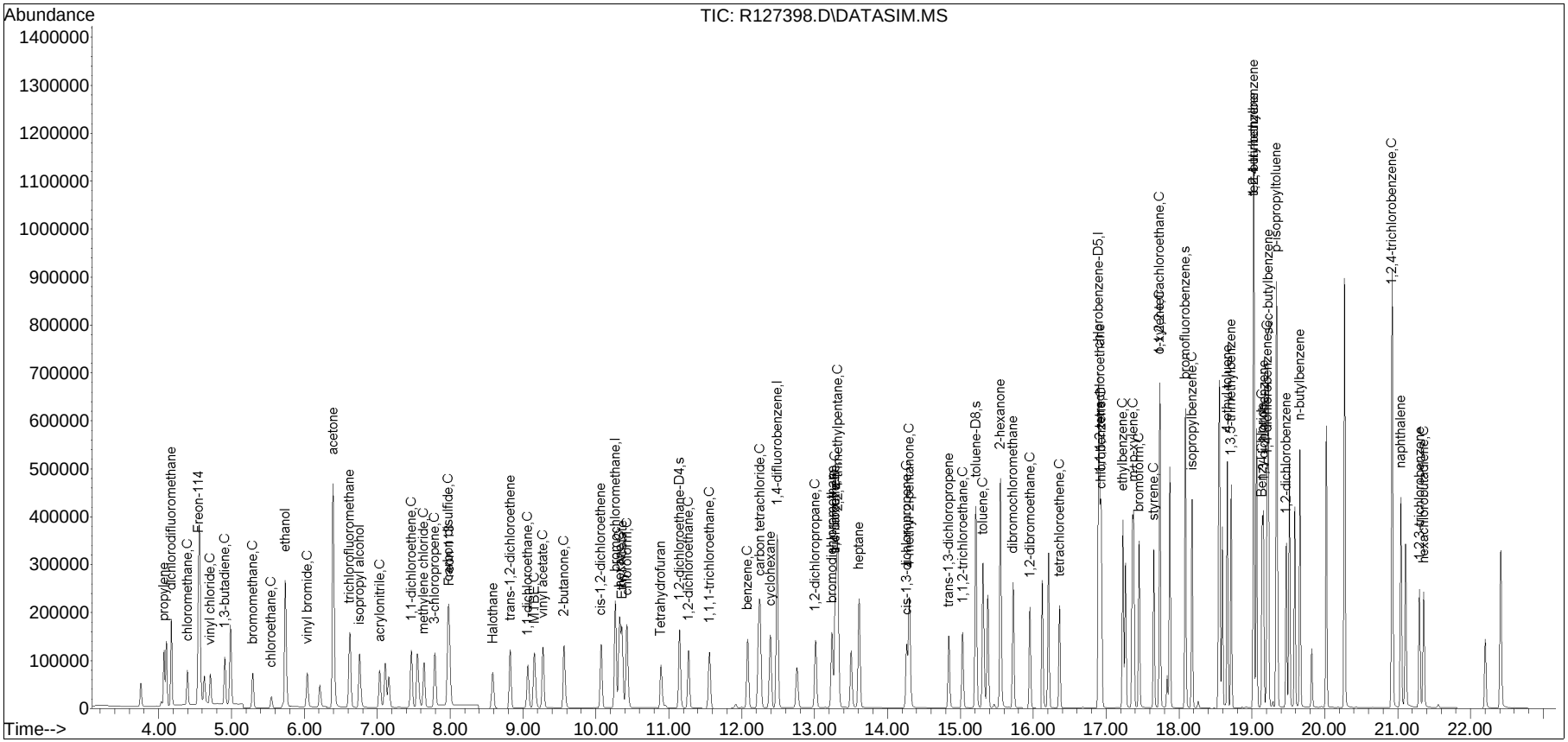
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127398.D
Acq On : 3 Apr 2013 3:28 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 03 14:36:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Feb 25 15:32:36 2013
Response via : Initial Calibration

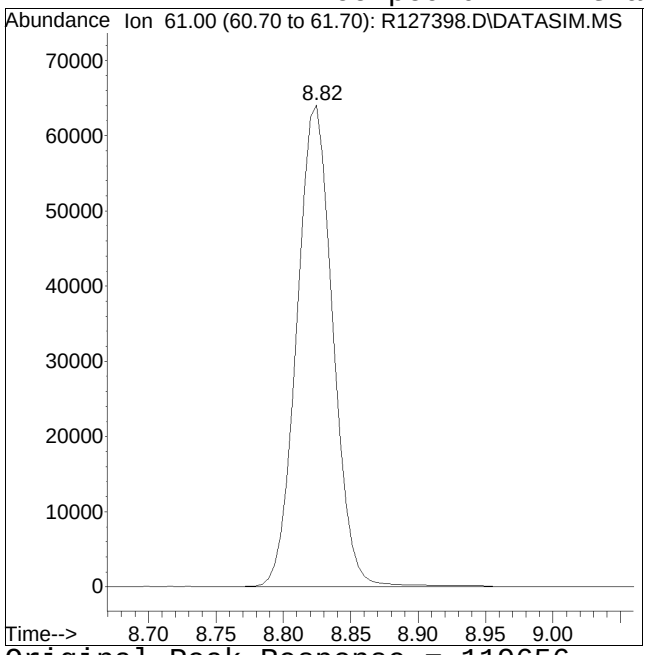
Sub List : Default - All compounds listed

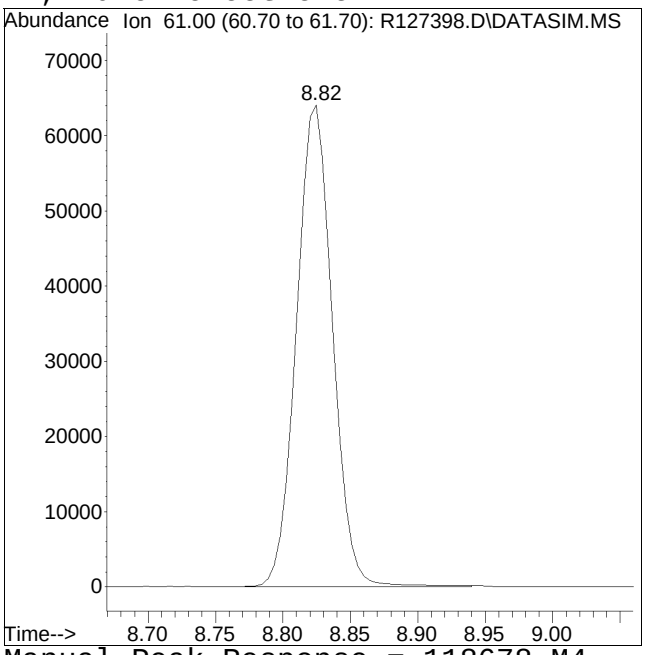


Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127398.D
Date Inj'd : 4/3/2013 3:28 am
Sample : ITO15-SIMSTD5.0
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:30 pm

Compound #22: trans-1,2-dichloroethene





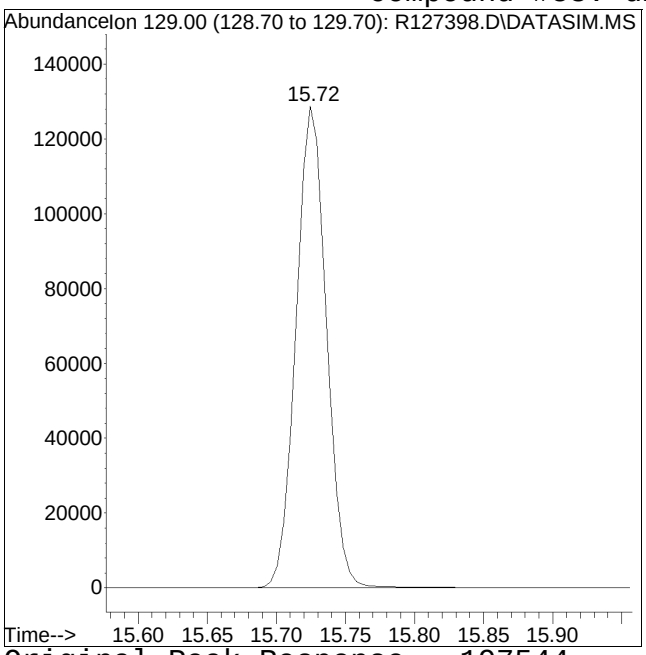
Original Peak Response = 119656 Manual Peak Response = 118678 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

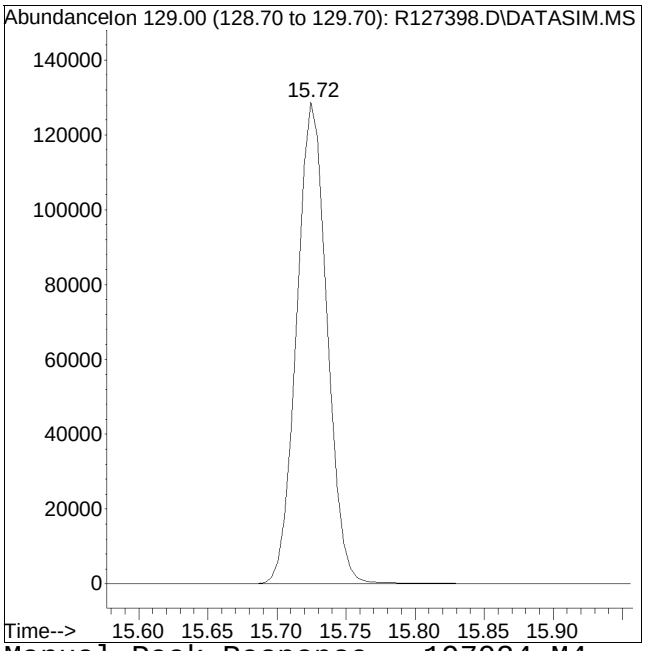
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127398.D
Date Inj'd : 4/3/2013 3:28 am
Sample : ITO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:30 pm

Compound #53: dibromochloromethane



Original Peak Response = 197544



Manual Peak Response = 197024 M4

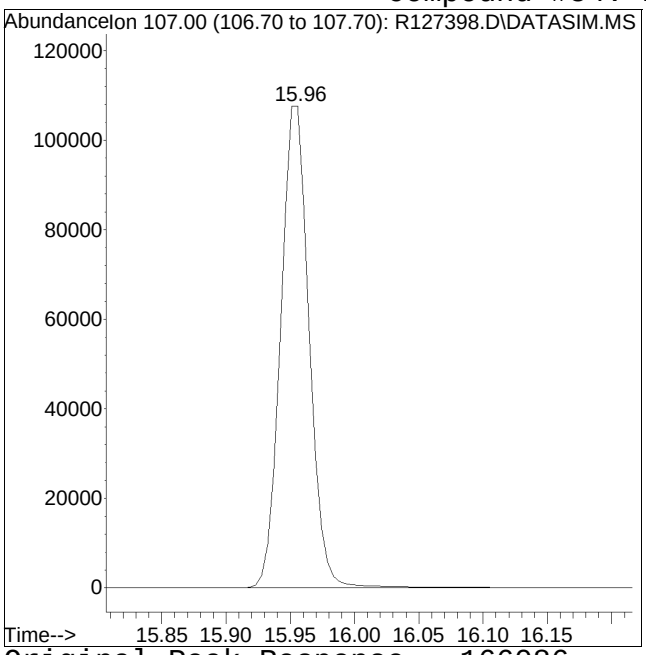
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

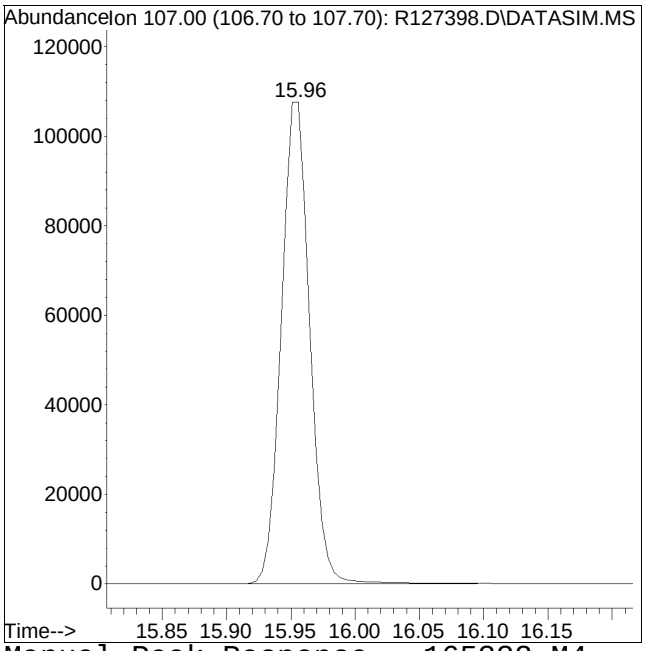
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127398.D
Date Inj'd : 4/3/2013 3:28 am
Sample : ITO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:30 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 166086



Manual Peak Response = 165332 M4

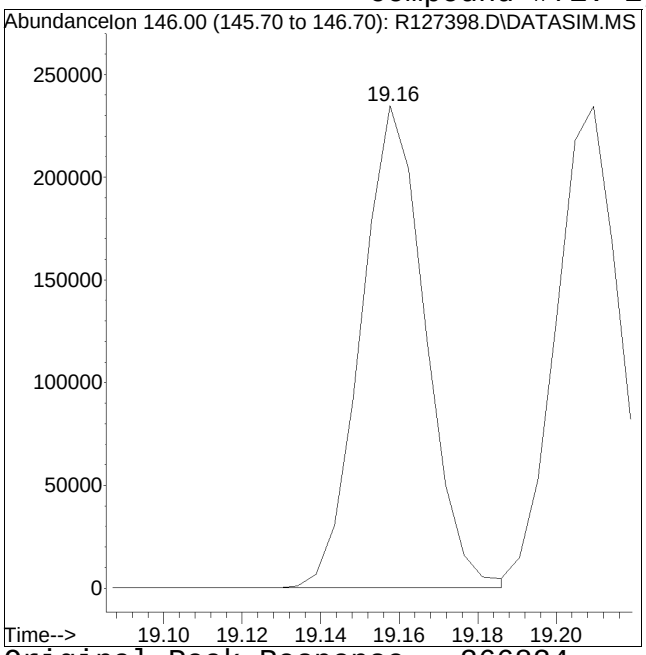
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

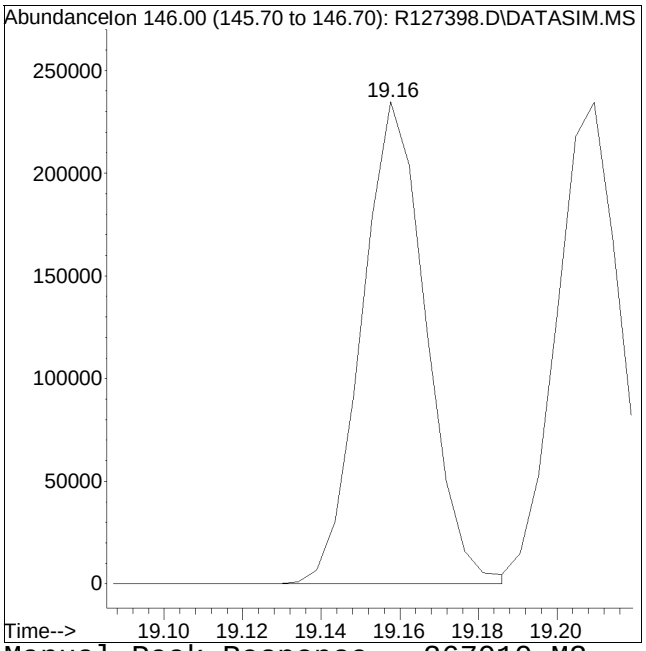
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127398.D
Date Inj'd : 4/3/2013 3:28 am
Sample : ITO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:30 pm

Compound #71: 1,3-dichlorobenzene



Original Peak Response = 266824



Manual Peak Response = 267010 M3

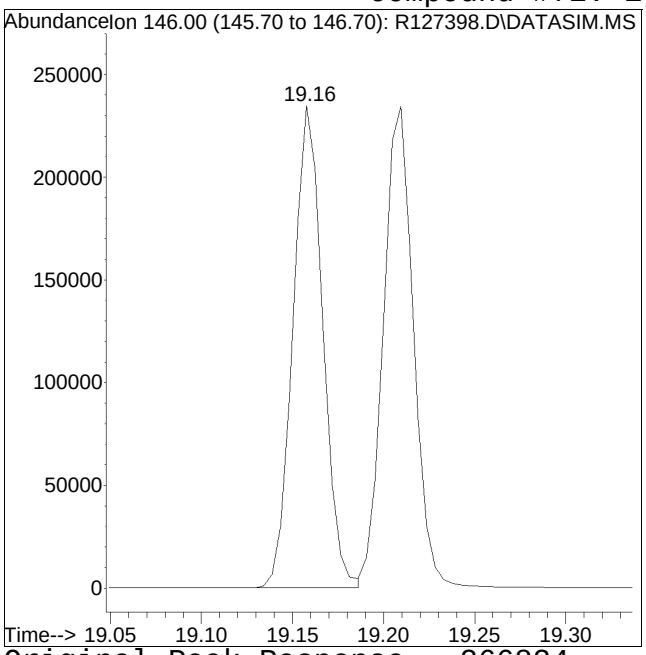
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

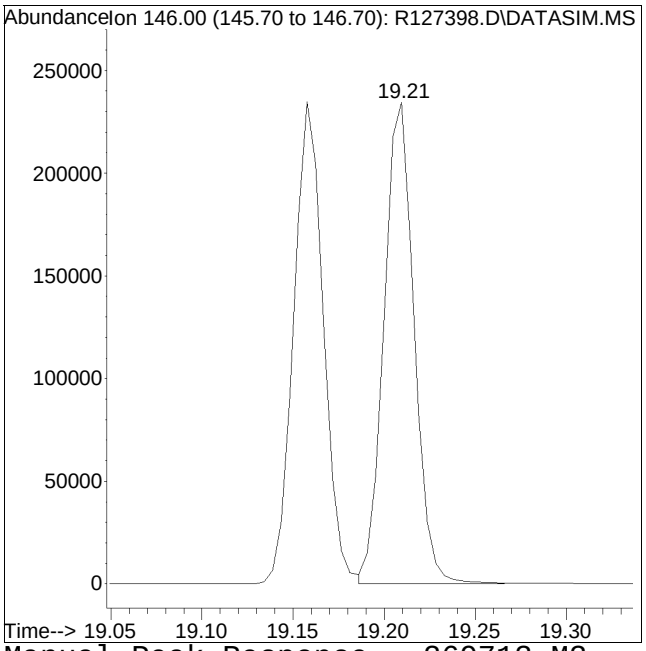
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127398.D
Date Inj'd : 4/3/2013 3:28 am
Sample : ITO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:30 pm

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 266824 Manual Peak Response = 269713 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127399.D
Acq On : 3 Apr 2013 3:59 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD10.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:13:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	262668	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 101.38%			
32) 1,4-difluorobenzene	12.49	114	563255	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 101.80%			
49) chlorobenzene-D5	16.90	54	133457	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 101.03%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	169692	9.919	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.19%			
51) toluene-D8	15.21	98	413315	10.078	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.78%			
64) bromofluorobenzene	18.09	95	314567	9.959	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%			
Target Compounds						Qvalue
2) propylene	4.08	41	134566	9.755	ppbV	100
3) dichlorodifluoromethane	4.18	85	321289	10.014	ppbV	100
4) chloromethane	4.40	50	159437	9.742	ppbV	100
5) Freon-114	4.55	85	350999	9.838	ppbV	99
6) vinyl chloride	4.71	62	143584	9.789	ppbV	100
7) 1,3-butadiene	4.91	54	114280	9.834	ppbV	99
8) bromomethane	5.29	94	126232	9.751	ppbV	100
9) chloroethane	5.55	64	61673	9.684	ppbV	99
10) ethanol	5.74	31	613435	48.591	ppbV	99
11) vinyl bromide	6.04	106	129075	9.804	ppbV	100
12) acetone	6.39	43	1332069	48.809	ppbV	100
13) trichlorofluoromethane	6.62	101	389580	9.790	ppbV	100
14) isopropyl alcohol	6.75	45	354924	9.560	ppbV	100
15) acrylonitrile	7.03	53	135252	9.996	ppbV	99
16) 1,1-dichloroethene	7.47	61	244883	9.747	ppbV	100
17) methylene chloride	7.64	49	223362	9.662	ppbV	100
18) 3-chloropropene	7.79	41	219844	9.724	ppbV	99
19) carbon disulfide	7.97	76	367546	9.887	ppbV	94
20) Freon 113	7.99	101	273117	9.859	ppbV	100
21) Halothane	8.59	117	182838	9.833	ppbV	100
22) trans-1,2-dichloroethene	8.82	61	237471M4	9.869	ppbV	
23) 1,1-dichloroethane	9.07	63	268624	9.904	ppbV	100
24) MTBE	9.15	73	325476	9.966	ppbV	100
25) vinyl acetate	9.27	43	459673	9.758	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127399.D
Acq On : 3 Apr 2013 3:59 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD10.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:13:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 2-butanone	9.56	43	377837	8.670	ppbV	99
27) cis-1,2-dichloroethene	10.07	61	239264	9.860	ppbV	100
28) Ethyl Acetate	10.36	61	58192	9.934	ppbV	93
29) chloroform	10.43	83	300604	9.832	ppbV	99
30) Tetrahydrofuran	10.89	42	241376	9.783	ppbV	100
31) 1,2-dichloroethane	11.27	62	221192	9.867	ppbV	100
33) hexane	10.32	57	266553	9.884	ppbV	87
35) 1,1,1-trichloroethane	11.56	97	301890	9.736	ppbV	98
36) benzene	12.08	78	435029	9.744	ppbV	100
37) carbon tetrachloride	12.25	117	327117	9.764	ppbV	100
38) cyclohexane	12.39	56	276397	9.600	ppbV	100
39) 1,2-dichloropropane	13.01	63	192828	9.871	ppbV	100
40) bromodichloromethane	13.24	83	338362	9.893	ppbV	100
41) 1,4-dioxane	13.28	88	100899	10.128	ppbV	98
42) trichloroethene	13.28	130	217285	9.801	ppbV	100
43) 2,2,4-trimethylpentane	13.32	57	890597	9.736	ppbV	99
44) heptane	13.61	43	373665	9.821	ppbV	100
45) cis-1,3-dichloropropene	14.27	75	248577	9.786	ppbV	99
46) 4-methyl-2-pentanone	14.30	43	525709	9.747	ppbV	99
47) trans-1,3-dichloropropene	14.84	75	256389	9.950	ppbV	99
48) 1,1,2-trichloroethane	15.03	97	192647	9.884	ppbV	100
50) toluene	15.31	91	534194	9.870	ppbV	100
52) 2-hexanone	15.55	43	502663	9.858	ppbV	100
53) dibromochloromethane	15.72	129	394154M4	9.901	ppbV	
54) 1,2-dibromoethane	15.95	107	329767M4	9.871	ppbV	
55) tetrachloroethene	16.36	166	279536	9.867	ppbV	100
56) 1,1,1,2-tetrachloroethane	16.92	131	283912	9.812	ppbV	100
57) chlorobenzene	16.93	112	453404	9.835	ppbV	99
58) ethylbenzene	17.23	91	703556	9.915	ppbV	100
59) m+p-xylene	17.37	91	1092870	19.629	ppbV	100
60) bromoform	17.45	173	411291	10.062	ppbV	100
61) styrene	17.65	104	430515	9.907	ppbV	100
62) 1,1,2,2-tetrachloroethane	17.74	83	451713	9.860	ppbV	100
63) o-xylene	17.74	91	563758	9.849	ppbV	99
65) isopropylbenzene	18.18	105	829282	9.754	ppbV	100
66) 4-ethyl toluene	18.66	105	846310	9.945	ppbV	100
67) 1,3,5-trimethylbenzene	18.72	105	682675	9.946	ppbV	100
68) tert-butylbenzene	19.03	119	765693	9.633	ppbV	100
69) 1,2,4-trimethylbenzene	19.03	105	688574	9.811	ppbV	99
70) Benzyl Chloride	19.14	91	641746	10.076	ppbV	100
71) 1,3-dichlorobenzene	19.16	146	536380	9.942	ppbV	99

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127399.D
Acq On : 3 Apr 2013 3:59 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD10.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:13:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	542408	9.953	ppbV	100
73) sec-butylbenzene	19.22	105	1065010	9.640	ppbV	100
74) p-isopropyltoluene	19.34	119	946053	9.605	ppbV	100
75) 1,2-dichlorobenzene	19.47	146	514794	9.985	ppbV	100
76) n-butylbenzene	19.66	91	865637	9.643	ppbV	99
77) 1,2,4-trichlorobenzene	20.92	180	462389	10.350	ppbV	100
78) naphthalene	21.04	128	1080856	10.256	ppbV	100
79) 1,2,3-trichlorobenzene	21.30	180	473075	10.668	ppbV	100
80) hexachlorobutadiene	21.36	225	363516	10.096	ppbV	100

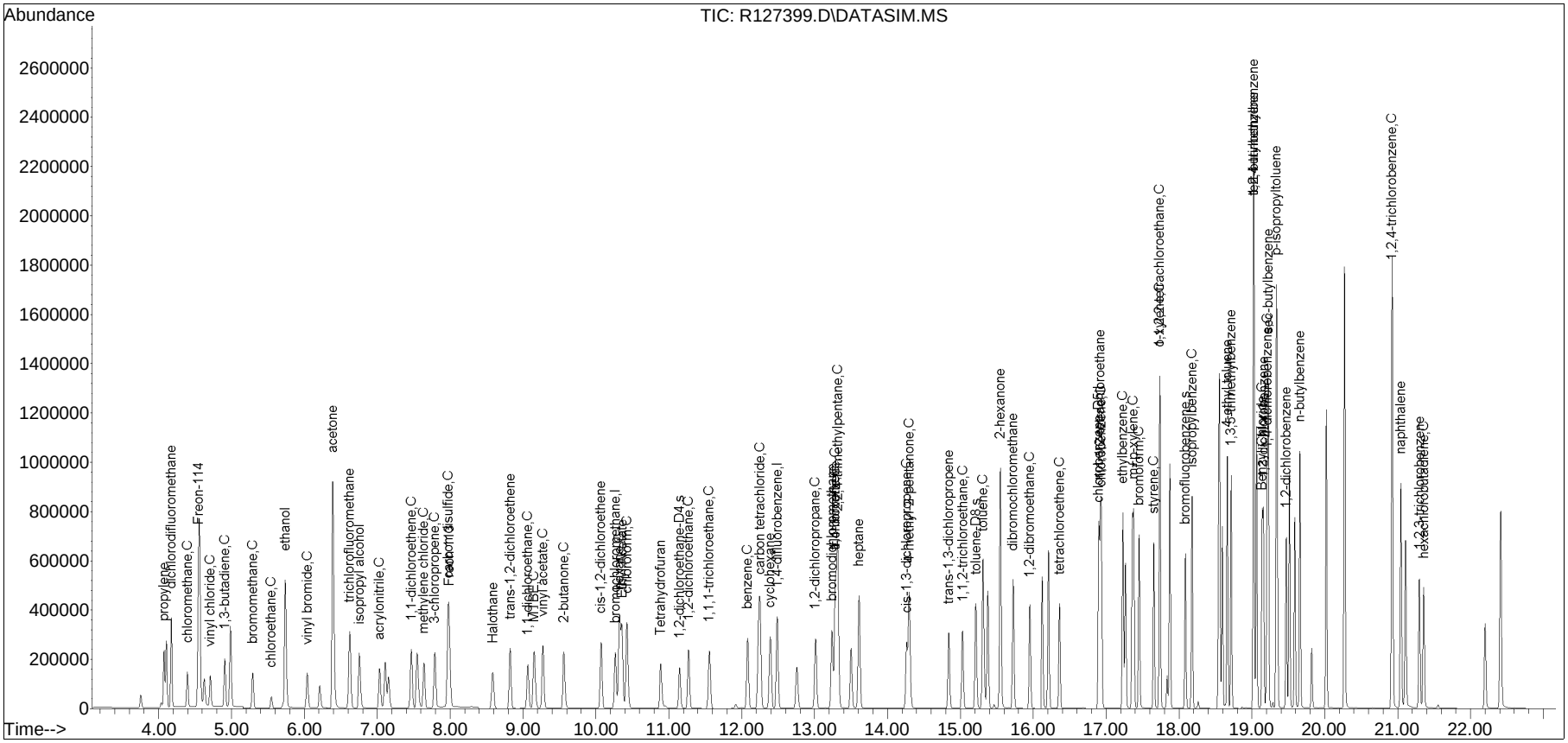
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127399.D
Acq On : 3 Apr 2013 3:59 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD10.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:13:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

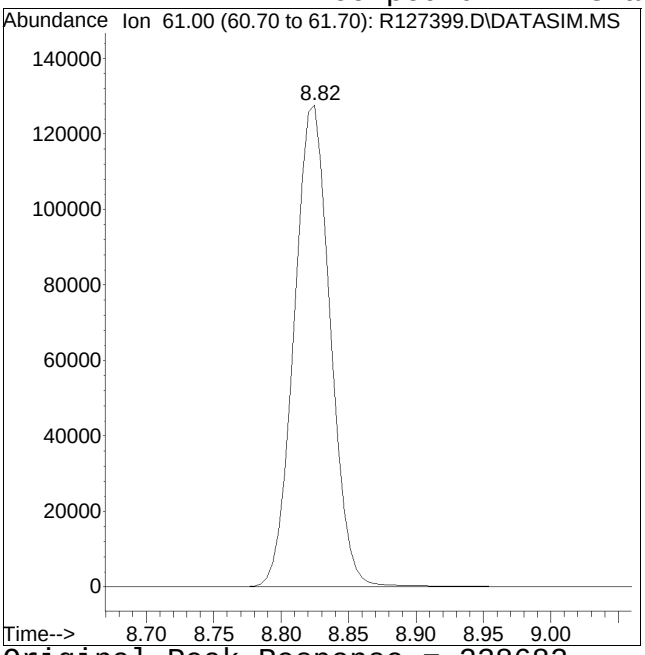
Sub List : Default - All compounds listed

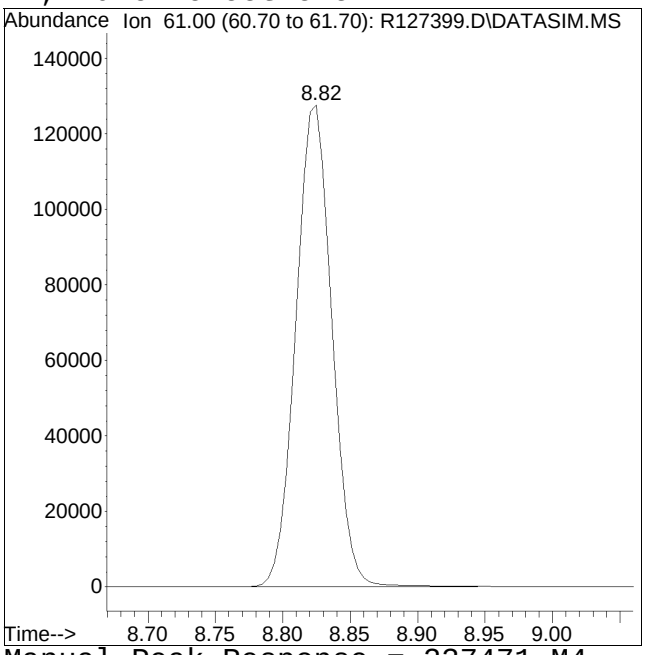


Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127399.D
Date Inj'd : 4/3/2013 3:59 am
Sample : ITO15-SIMSTD10.0
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #22: trans-1,2-dichloroethene





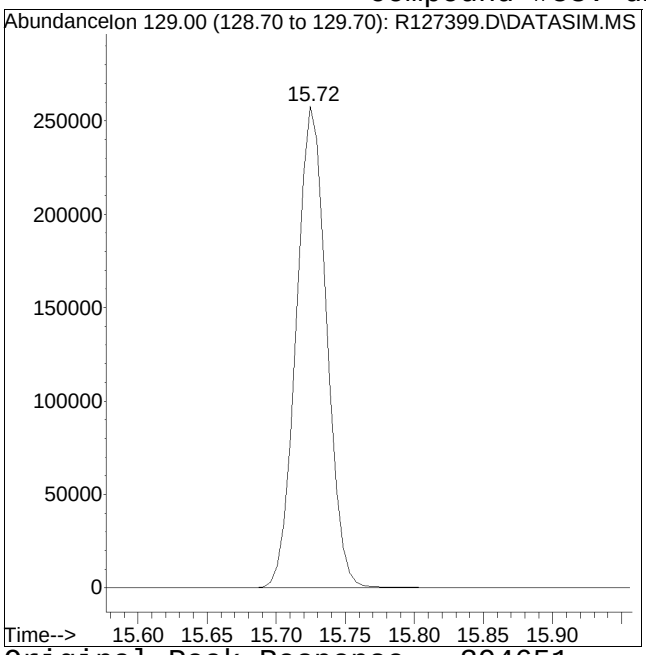
Original Peak Response = 238682 Manual Peak Response = 237471 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

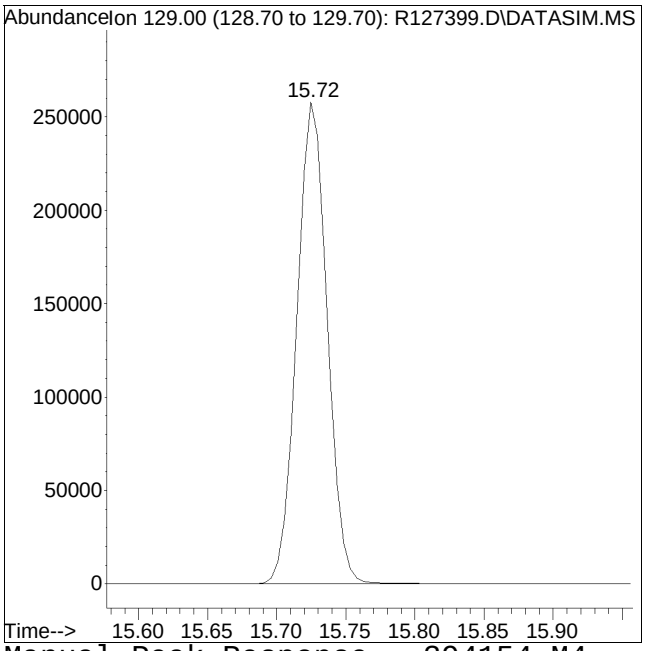
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127399.D
Date Inj'd : 4/3/2013 3:59 am
Sample : ITO15-SIMSTD10.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #53: dibromochloromethane



Original Peak Response = 394651



Manual Peak Response = 394154 M4

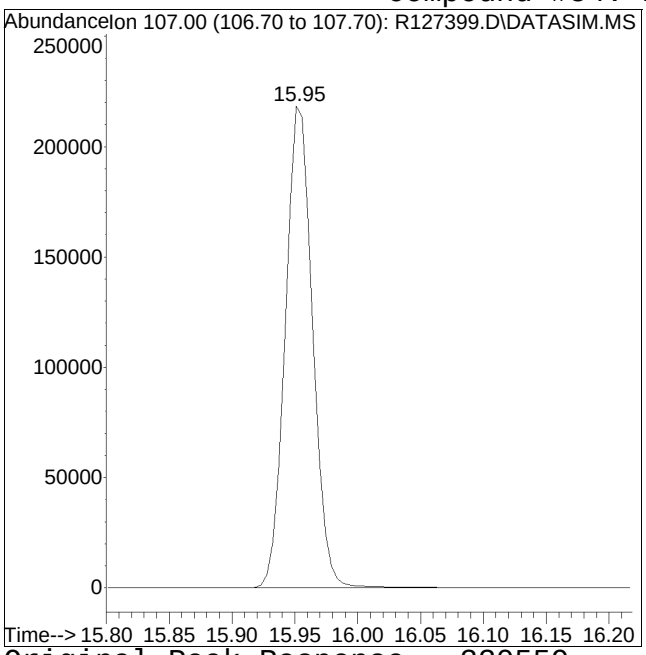
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

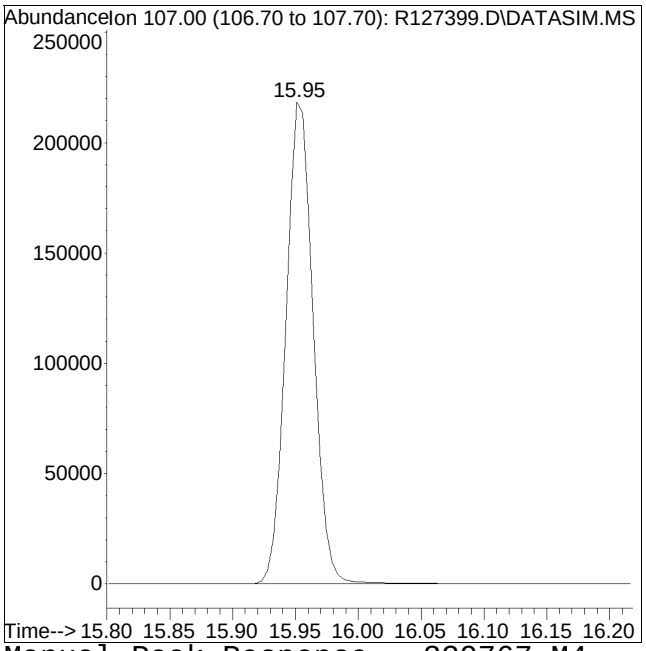
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127399.D
Date Inj'd : 4/3/2013 3:59 am
Sample : ITO15-SIMSTD10.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 330559



Manual Peak Response = 329767 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127400.D
Acq On : 3 Apr 2013 4:31 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD20.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:16:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	267700	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 103.32%			
32) 1,4-difluorobenzene	12.49	114	566506	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 102.39%			
49) chlorobenzene-D5	16.90	54	134093	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 101.51%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	170448	9.906	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.06%			
51) toluene-D8	15.21	98	413778	10.042	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.42%			
64) bromofluorobenzene	18.09	95	314584	9.912	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.12%			
Target Compounds						Qvalue
2) propylene	4.08	41	265544	18.889	ppbV	100
3) dichlorodifluoromethane	4.18	85	621944	19.020	ppbV	100
4) chloromethane	4.40	50	314269	18.841	ppbV	100
5) Freon-114	4.55	85	688456	18.934	ppbV	99
6) vinyl chloride	4.71	62	285799	19.118	ppbV	100
7) 1,3-butadiene	4.91	54	227383	19.199	ppbV	99
8) bromomethane	5.29	94	251385	19.053	ppbV	100
9) chloroethane	5.55	64	124047	19.112	ppbV	98
10) ethanol	5.74	31	1187526	92.297	ppbV	99
11) vinyl bromide	6.04	106	256972	19.152	ppbV	100
12) acetone	6.39	43	2612385	93.922	ppbV	99
13) trichlorofluoromethane	6.62	101	772957	19.059	ppbV	100
14) isopropyl alcohol	6.75	45	703560	18.595	ppbV	100
15) acrylonitrile	7.03	53	272151	19.735	ppbV	99
16) 1,1-dichloroethene	7.47	61	489405	19.113	ppbV	100
17) methylene chloride	7.64	49	441469	18.737	ppbV	100
18) 3-chloropropene	7.79	41	435601	18.904	ppbV	99
19) carbon disulfide	7.97	76	724845	19.131	ppbV	91
20) Freon 113	7.99	101	537829	19.050	ppbV	100
21) Halothane	8.59	117	401405	21.182	ppbV	99
22) trans-1,2-dichloroethene	8.82	61	513381M4	20.935	ppbV	
23) 1,1-dichloroethane	9.07	63	585809	21.193	ppbV	100
24) MTBE	9.15	73	712581	21.410	ppbV	99
25) vinyl acetate	9.27	43	1015186	21.145	ppbV	100

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127400.D
Acq On : 3 Apr 2013 4:31 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD20.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:16:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 2-butanone	9.55	43	844143	19.005	ppbV	100
27) cis-1,2-dichloroethene	10.07	61	473857	19.160	ppbV	100
28) Ethyl Acetate	10.35	61	114441	19.169	ppbV	97
29) chloroform	10.43	83	592730	19.023	ppbV	100
30) Tetrahydrofuran	10.88	42	462957	18.411	ppbV	97
31) 1,2-dichloroethane	11.27	62	441386	19.319	ppbV	100
33) hexane	10.32	57	521889	19.241	ppbV	91
35) 1,1,1-trichloroethane	11.56	97	600543	19.256	ppbV	98
36) benzene	12.08	78	844024	18.796	ppbV	99
37) carbon tetrachloride	12.25	117	652289	19.358	ppbV	100
38) cyclohexane	12.39	56	556444	19.217	ppbV	99
39) 1,2-dichloropropane	13.01	63	380172	19.350	ppbV	99
40) bromodichloromethane	13.24	83	672137	19.539	ppbV	100
41) 1,4-dioxane	13.27	88	195901	19.550	ppbV	96
42) trichloroethene	13.28	130	427078	19.154	ppbV	100
43) 2,2,4-trimethylpentane	13.32	57	1734276	18.851	ppbV	100
44) heptane	13.61	43	733322	19.164	ppbV	100
45) cis-1,3-dichloropropene	14.26	75	496355	19.429	ppbV	98
46) 4-methyl-2-pentanone	14.29	43	1029072	18.970	ppbV	98
47) trans-1,3-dichloropropene	14.84	75	502223	19.378	ppbV	99
48) 1,1,2-trichloroethane	15.03	97	379773	19.372	ppbV	100
50) toluene	15.31	91	1042635M4	19.173	ppbV	
52) 2-hexanone	15.55	43	982741	19.182	ppbV	99
53) dibromochloromethane	15.72	129	788210M4	19.705	ppbV	
54) 1,2-dibromoethane	15.95	107	646678M4	19.266	ppbV	
55) tetrachloroethene	16.36	166	552153	19.398	ppbV	100
56) 1,1,1,2-tetrachloroethane	16.92	131	563372	19.378	ppbV	100
57) chlorobenzene	16.93	112	891544	19.248	ppbV	99
58) ethylbenzene	17.23	91	1379612	19.351	ppbV	100
59) m+p-xylene	17.36	91	2142434	38.298	ppbV	99
60) bromoform	17.45	173	825875	20.109	ppbV	100
61) styrene	17.65	104	848735	19.438	ppbV	99
62) 1,1,2,2-tetrachloroethane	17.74	83	881580	19.153	ppbV	100
63) o-xylene	17.74	91	1095114	19.040	ppbV	100
65) isopropylbenzene	18.18	105	1612355	18.875	ppbV	99
66) 4-ethyl toluene	18.66	105	1637067	19.146	ppbV	100
67) 1,3,5-trimethylbenzene	18.72	105	1328067	19.258	ppbV	99
68) tert-butylbenzene	19.03	119	1462856	18.316	ppbV	100
69) 1,2,4-trimethylbenzene	19.03	105	1323081	18.763	ppbV	98
70) Benzyl Chloride	19.14	91	1262389	19.727	ppbV	99
71) 1,3-dichlorobenzene	19.16	146	1039445	19.175	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127400.D
Acq On : 3 Apr 2013 4:31 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD20.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:16:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	1060534	19.368	ppbV	97
73) sec-butylbenzene	19.22	105	2057324	18.535	ppbV	99
74) p-isopropyltoluene	19.34	119	1833401	18.526	ppbV	100
75) 1,2-dichlorobenzene	19.47	146	1004907	19.398	ppbV	97
76) n-butylbenzene	19.66	91	1682104	18.649	ppbV	100
77) 1,2,4-trichlorobenzene	20.92	180	911811	20.313	ppbV	99
78) naphthalene	21.04	128	2148247	20.288	ppbV	99
79) 1,2,3-trichlorobenzene	21.30	180	950086	21.324	ppbV	100
80) hexachlorobutadiene	21.36	225	720951	19.929	ppbV	100

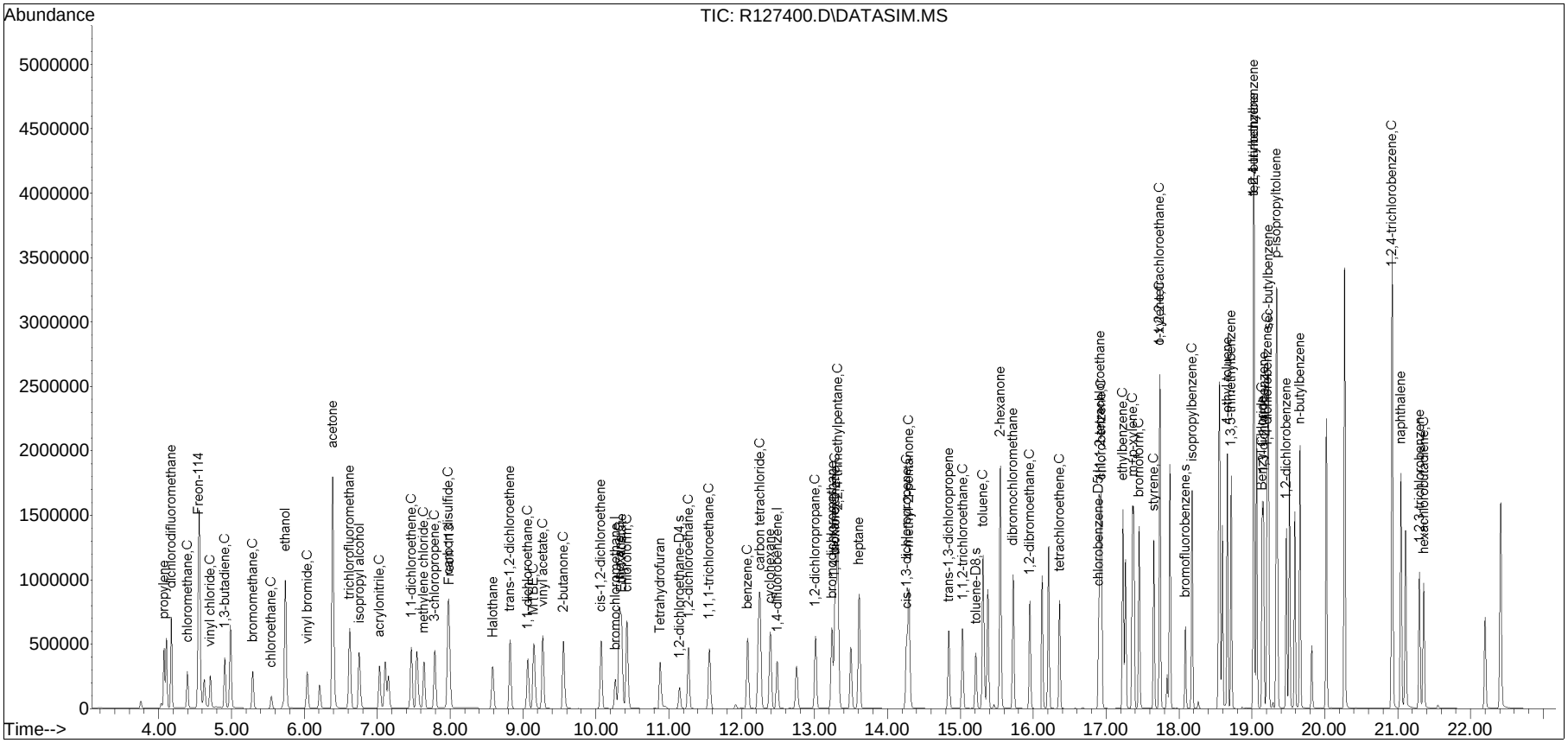
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127400.D
Acq On : 3 Apr 2013 4:31 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD20.0
Misc : WG599306
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 03 15:16:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

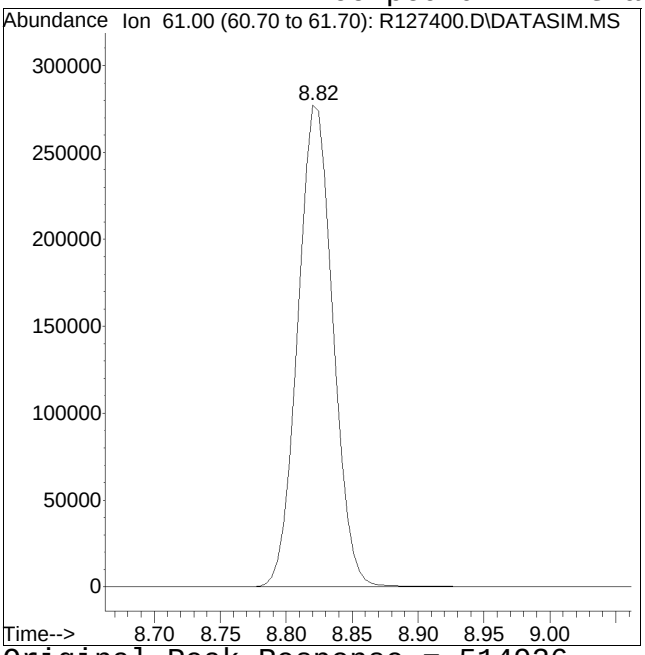


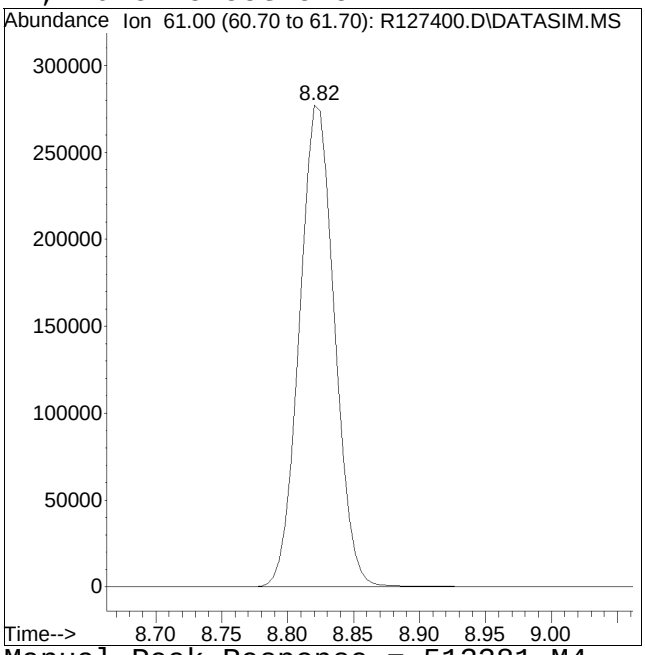
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127400.D
Date Inj'd : 4/3/2013 4:31 am
Sample : ITO15-SIMSTD20.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #22: trans-1,2-dichloroethene





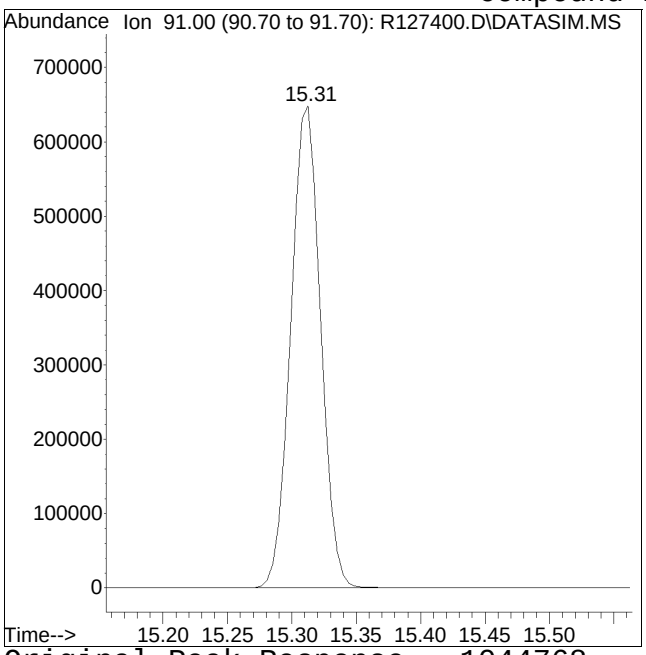
Original Peak Response = 514926 Manual Peak Response = 513381 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

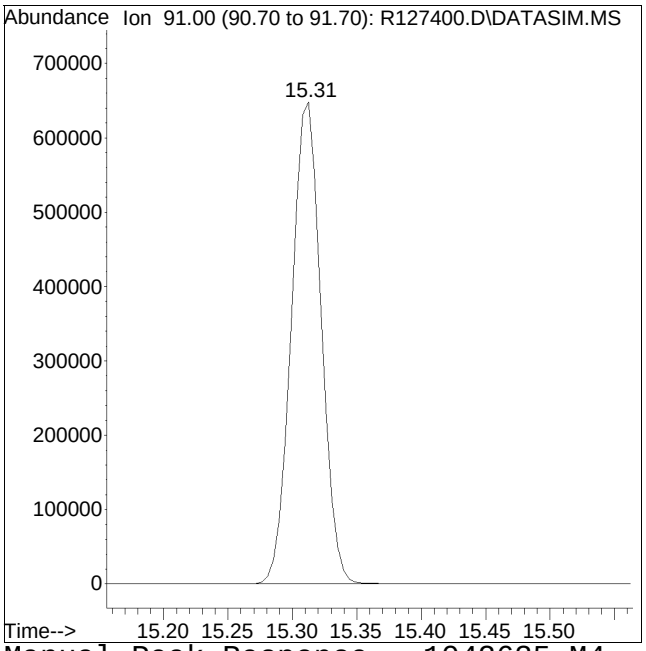
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127400.D
Date Inj'd : 4/3/2013 4:31 am
Sample : ITO15-SIMSTD20.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #50: toluene



Original Peak Response = 1044768



Manual Peak Response = 1042635 M4

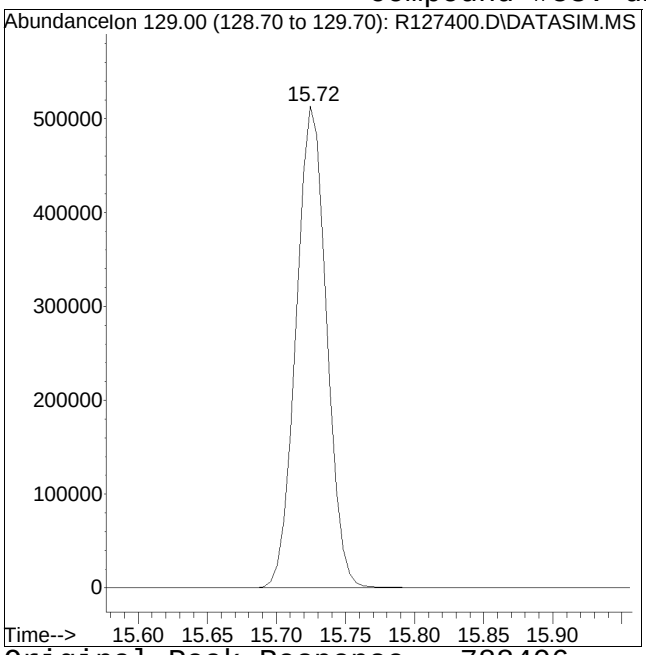
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

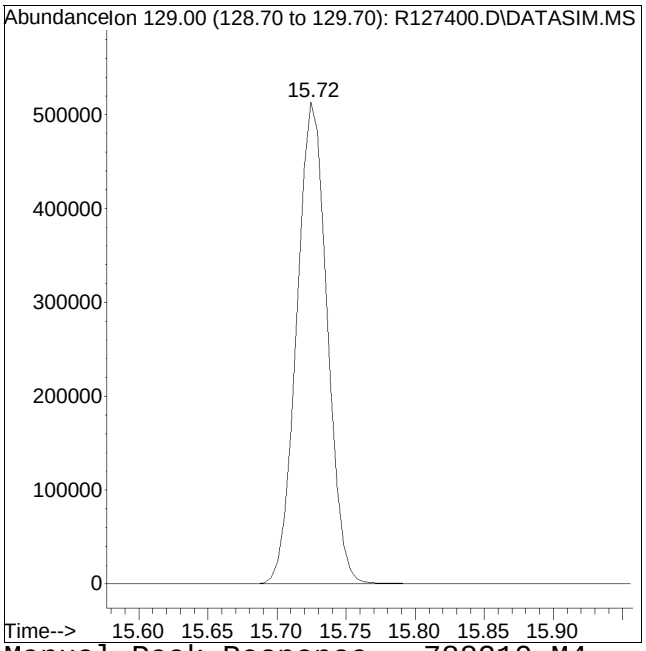
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127400.D
Date Inj'd : 4/3/2013 4:31 am
Sample : ITO15-SIMSTD20.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #53: dibromochloromethane



Original Peak Response = 788406



Manual Peak Response = 788210 M4

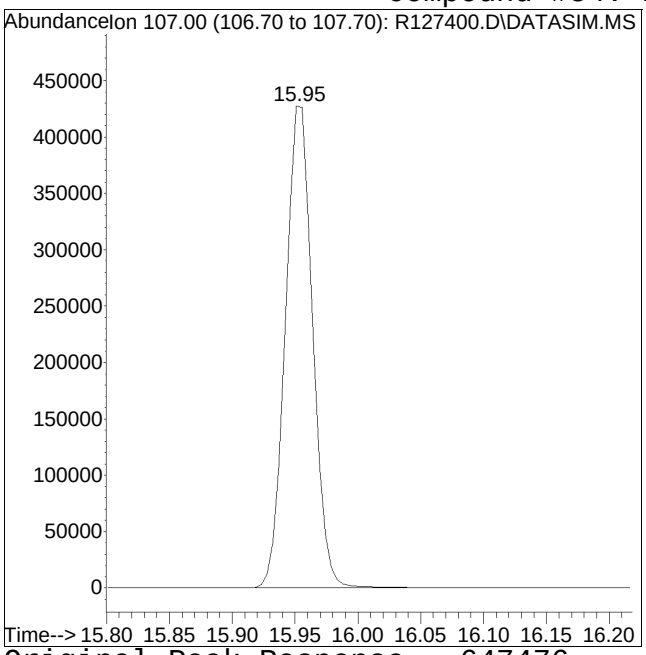
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

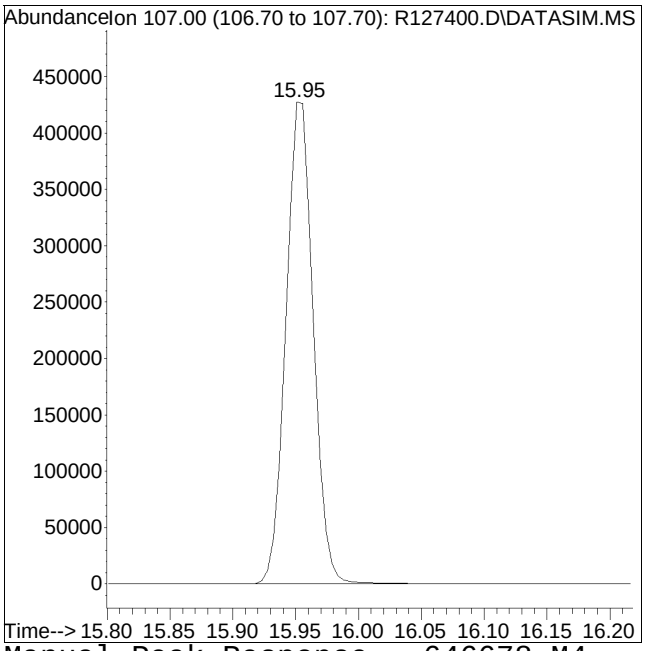
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127400.D
Date Inj'd : 4/3/2013 4:31 am
Sample : ITO15-SIMSTD20.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 647476



Manual Peak Response = 646678 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127401.D
Acq On : 3 Apr 2013 5:03 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD50.0
Misc : WG599306
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 03 15:19:50 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	280928	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 108.42%			
32) 1,4-difluorobenzene	12.49	114	568975	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 102.83%			
49) chlorobenzene-D5	16.90	54	134660	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 101.94%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	171787	9.941	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.41%			
51) toluene-D8	15.21	98	417612	10.092	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.92%			
64) bromofluorobenzene	18.09	95	319072	10.011	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.11%			
Target Compounds						Qvalue
2) propylene	4.08	41	666601	45.184	ppbV	100
3) dichlorodifluoromethane	4.17	85	1572420	45.823	ppbV	100
4) chloromethane	4.40	50	787350	44.981	ppbV	99
5) Freon-114	4.54	85	1697620	44.489	ppbV	99
6) vinyl chloride	4.71	62	712946	45.446	ppbV	100
7) 1,3-butadiene	4.91	54	570239	45.880	ppbV	97
8) bromomethane	5.29	94	631045	45.577	ppbV	99
9) chloroethane	5.55	64	311951	45.800	ppbV	99
10) ethanol	5.75	31	2881464	213.408	ppbV	96
11) vinyl bromide	6.04	106	647374	45.977	ppbV	99
12) acetone	6.39	43	6199723	212.400	ppbV	98
13) trichlorofluoromethane	6.62	101	1928102	45.302	ppbV	99
14) isopropyl alcohol	6.75	45	1788134	45.035	ppbV	100
15) acrylonitrile	7.04	53	686815	47.460	ppbV	100
16) 1,1-dichloroethene	7.47	61	1223931	45.548	ppbV	99
17) methylene chloride	7.64	49	1096947	44.365	ppbV	99
18) 3-chloropropene	7.79	41	1091439	45.136	ppbV	99
19) carbon disulfide	7.97	76	1815233	45.655	ppbV #	88
20) Freon 113	7.99	101	1345349	45.409	ppbV	99
21) Halothane	8.59	117	906014	45.558	ppbV	100
22) trans-1,2-dichloroethene	8.82	61	1294309M4	50.294	ppbV	
23) 1,1-dichloroethane	9.07	63	1473838	50.810	ppbV	100
24) MTBE	9.15	73	1784414	51.089	ppbV	99
25) vinyl acetate	9.27	43	2541861	50.452	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127401.D
Acq On : 3 Apr 2013 5:03 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD50.0
Misc : WG599306
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 03 15:19:50 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 2-butanone	9.55	43	2100731	45.069	ppbV	100
27) cis-1,2-dichloroethene	10.07	61	1198485	46.179	ppbV	98
28) Ethyl Acetate	10.35	61	290327	46.340	ppbV	99
29) chloroform	10.43	83	1489202	45.543	ppbV	100
30) Tetrahydrofuran	10.88	42	1168231	44.270	ppbV	99
31) 1,2-dichloroethane	11.27	62	1109477	46.274	ppbV	99
33) hexane	10.32	57	1298317	47.658	ppbV	97
35) 1,1,1-trichloroethane	11.56	97	1501637	47.940	ppbV	100
36) benzene	12.09	78	2145902	47.582	ppbV	100
37) carbon tetrachloride	12.25	117	1634132	48.285	ppbV	100
38) cyclohexane	12.39	56	1401626	48.195	ppbV	99
39) 1,2-dichloropropane	13.02	63	958077	48.552	ppbV	99
40) bromodichloromethane	13.24	83	1699069	49.178	ppbV	100
41) 1,4-dioxane	13.27	88	498079	49.492	ppbV	95
42) trichloroethene	13.29	130	1059051	47.292	ppbV	100
43) 2,2,4-trimethylpentane	13.32	57	4299451	46.531	ppbV	100
44) heptane	13.61	43	1788909	46.546	ppbV	98
45) cis-1,3-dichloropropene	14.27	75	1246985	48.600	ppbV	100
46) 4-methyl-2-pentanone	14.29	43	2531657	46.466	ppbV	98
47) trans-1,3-dichloropropene	14.84	75	1295312	49.762	ppbV	99
48) 1,1,2-trichloroethane	15.03	97	954957	48.502	ppbV	98
50) toluene	15.31	91	2565139	46.971	ppbV	99
52) 2-hexanone	15.55	43	2380324	46.266	ppbV	97
53) dibromochloromethane	15.73	129	1995140M4	49.668	ppbV	
54) 1,2-dibromoethane	15.96	107	1619281M4	48.039	ppbV	
55) tetrachloroethene	16.36	166	1372440	48.013	ppbV	97
56) 1,1,1,2-tetrachloroethane	16.92	131	1390777	47.637	ppbV	98
57) chlorobenzene	16.94	112	2183402	46.939	ppbV	99
58) ethylbenzene	17.23	91	3376054	47.155	ppbV	97
59) m+p-xylene	17.38	91	5193430	92.447	ppbV	100
60) bromoform	17.46	173	2071756	50.231	ppbV	99
61) styrene	17.66	104	2114546	48.225	ppbV	100
62) 1,1,2,2-tetrachloroethane	17.74	83	2149213	46.496	ppbV	99
63) o-xylene	17.74	91	2625902	45.464	ppbV	99
65) isopropylbenzene	18.18	105	3858669	44.981	ppbV	99
66) 4-ethyl toluene	18.66	105	3930537	45.776	ppbV	99
67) 1,3,5-trimethylbenzene	18.72	105	3188106	46.034	ppbV	99
68) tert-butylbenzene	19.03	119	3317210	41.360	ppbV	100
69) 1,2,4-trimethylbenzene	19.03	105	3063609	43.263	ppbV	96
70) Benzyl Chloride	19.14	91	3159967	49.173	ppbV	98
71) 1,3-dichlorobenzene	19.16	146	2512056	46.145	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127401.D
Acq On : 3 Apr 2013 5:03 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD50.0
Misc : WG599306
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 03 15:19:50 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	2558215M3	46.522	ppbV	
73) sec-butylbenzene	19.23	105	4837211	43.395	ppbV	96
74) p-isopropyltoluene	19.34	119	4249232	42.757	ppbV	98
75) 1,2-dichlorobenzene	19.48	146	2469773	47.474	ppbV	99
76) n-butylbenzene	19.66	91	4027310	44.463	ppbV	95
77) 1,2,4-trichlorobenzene	20.93	180	2136975	47.406	ppbV	97
78) naphthalene	21.05	128	5453907	51.290	ppbV	98
79) 1,2,3-trichlorobenzene	21.30	180	2434905	54.419	ppbV	97
80) hexachlorobutadiene	21.36	225	1743402	47.989	ppbV	98

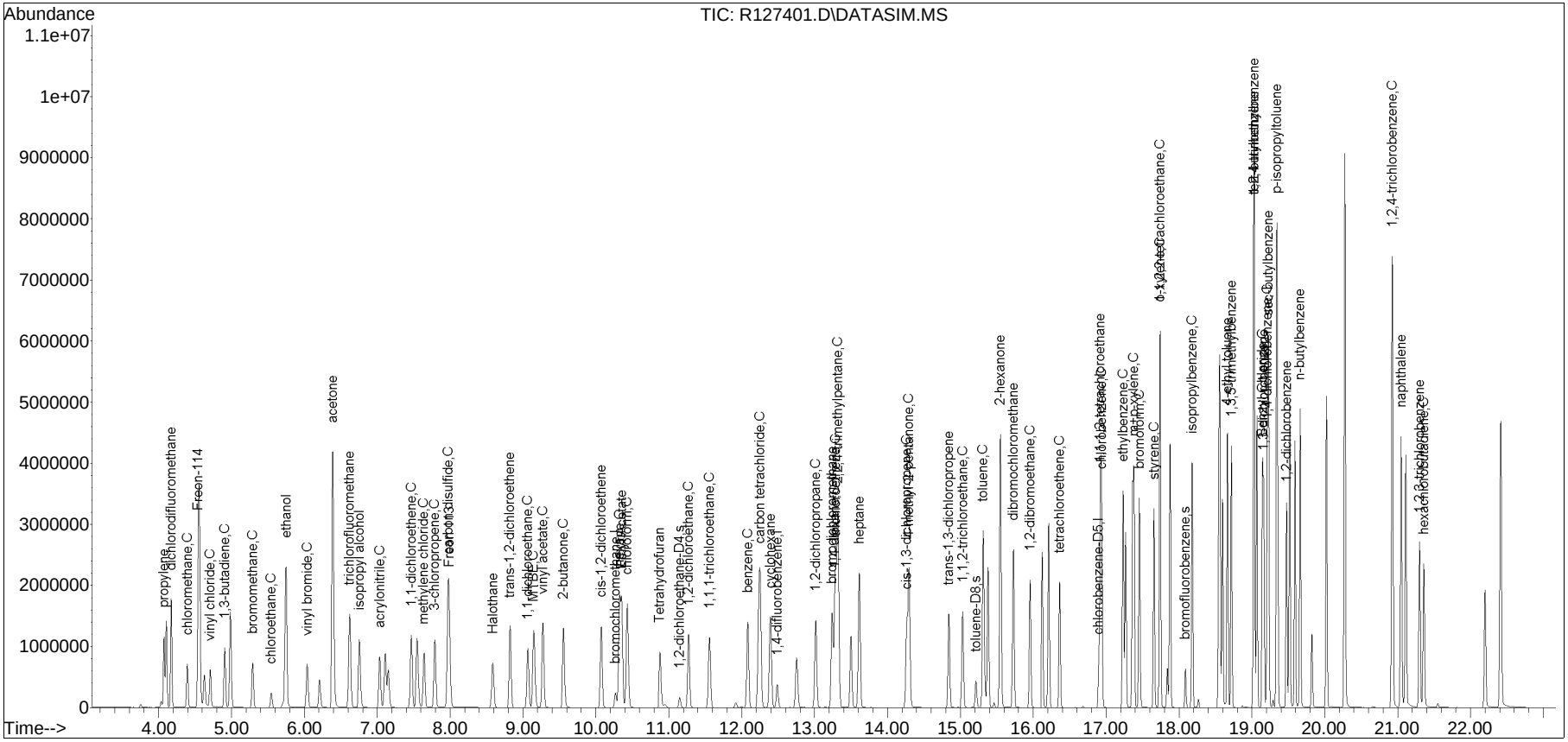
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127401.D
Acq On : 3 Apr 2013 5:03 am
Operator : AIRPIANO1:RY
Sample : ITO15-SIMSTD50.0
Misc : WG599306
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 03 15:19:50 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 14:38:07 2013
Response via : Initial Calibration

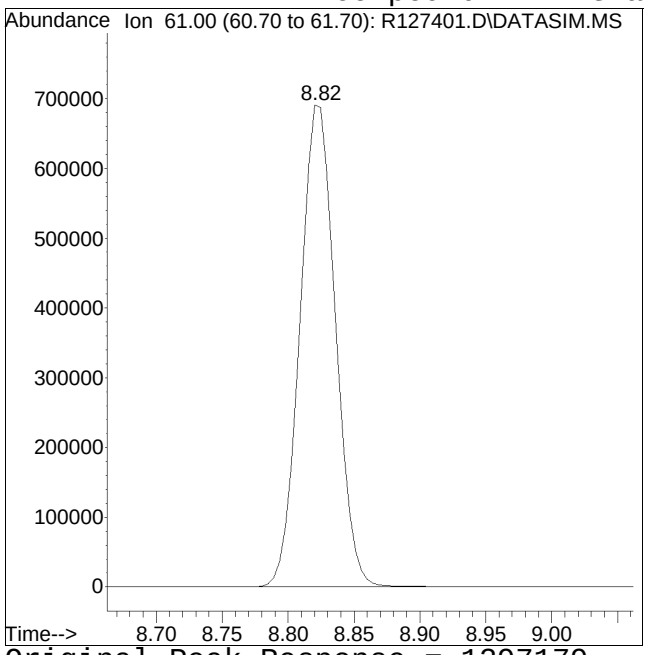
Sub List : Default - All compounds listed

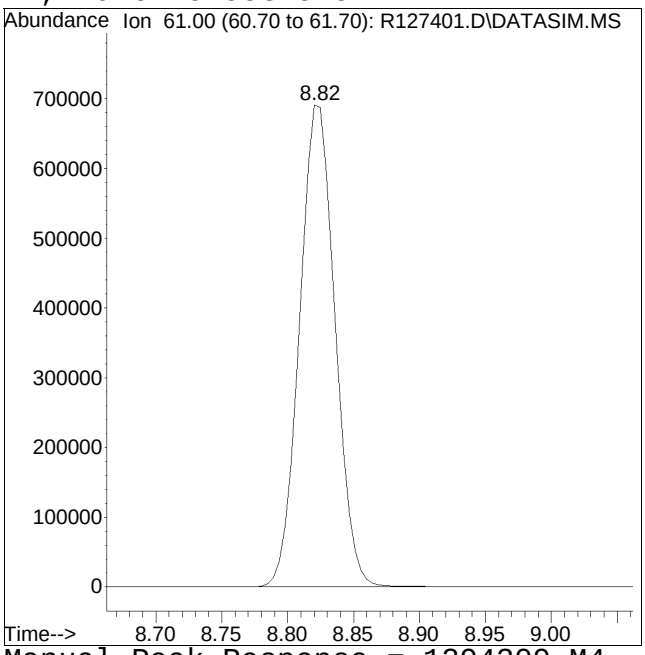


Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127401.D
Date Inj'd : 4/3/2013 5:03 am
Sample : ITO15-SIMSTD50.0
Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #22: trans-1,2-dichloroethene





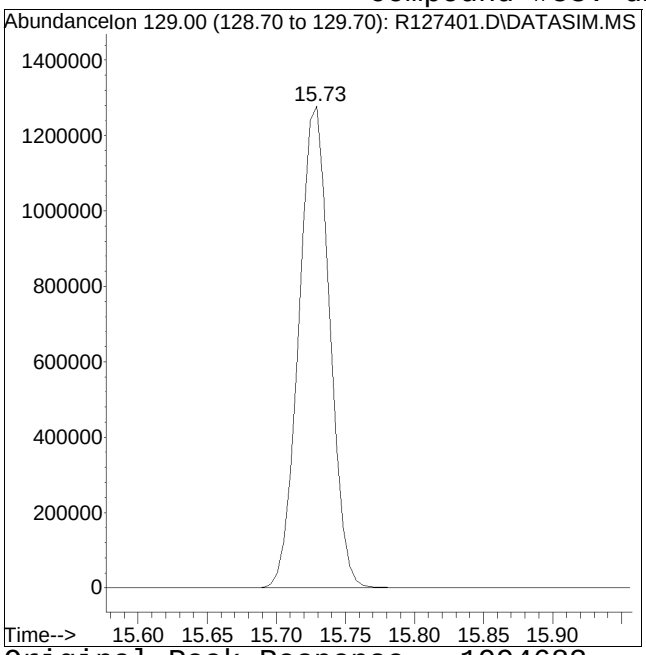
Original Peak Response = 1297179 Manual Peak Response = 1294309 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

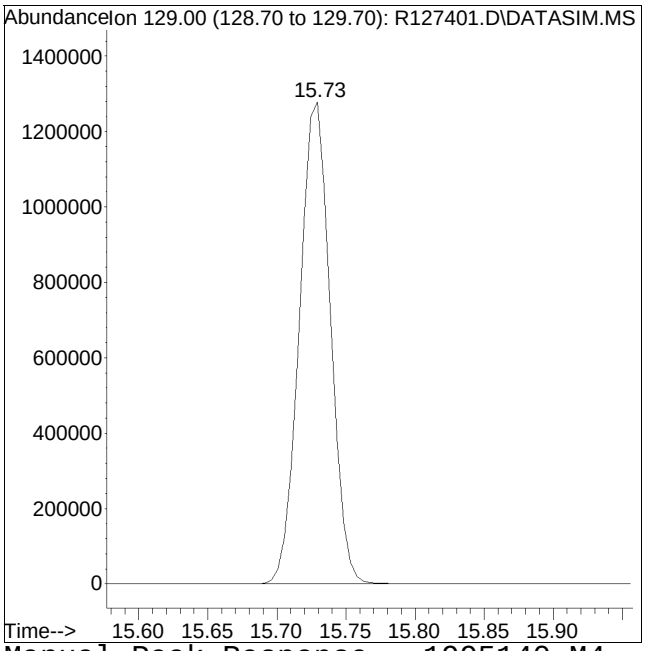
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127401.D
Date Inj'd : 4/3/2013 5:03 am
Sample : ITO15-SIMSTD50.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #53: dibromochloromethane



Original Peak Response = 1994683



Manual Peak Response = 1995140 M4

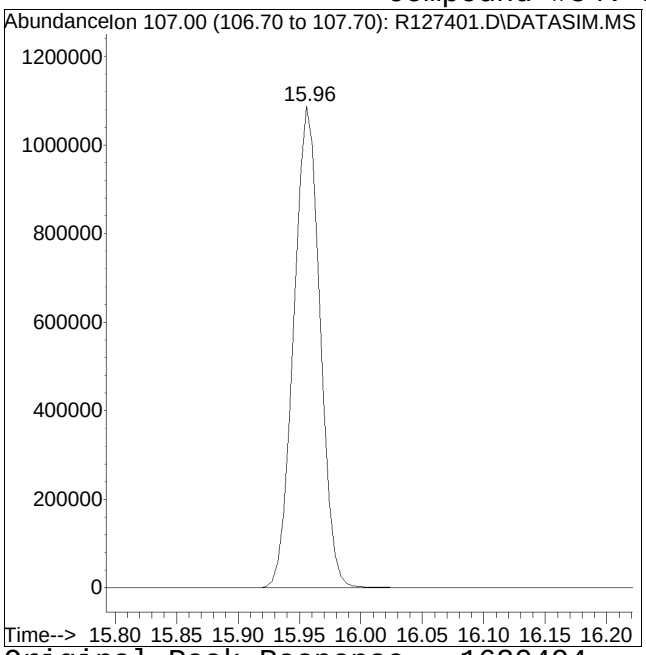
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

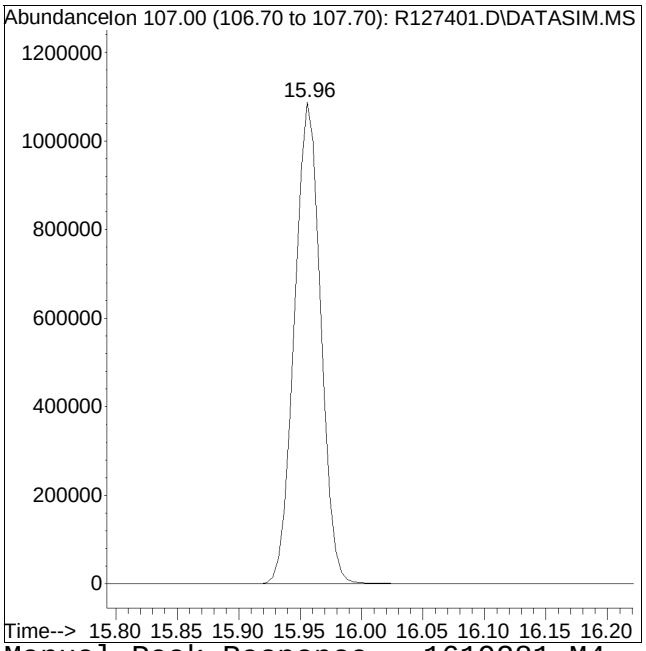
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127401.D
Date Inj'd : 4/3/2013 5:03 am
Sample : ITO15-SIMSTD50.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 1620494



Manual Peak Response = 1619281 M4

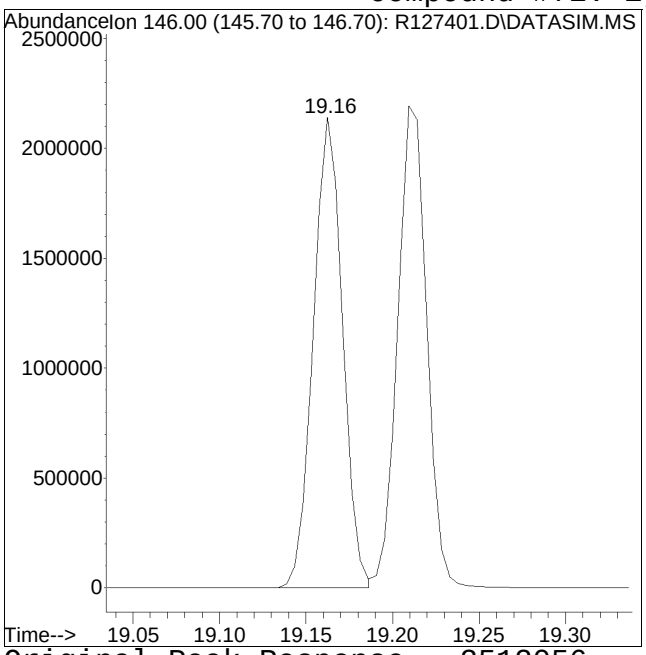
M4 = Poor automated baseline construction.

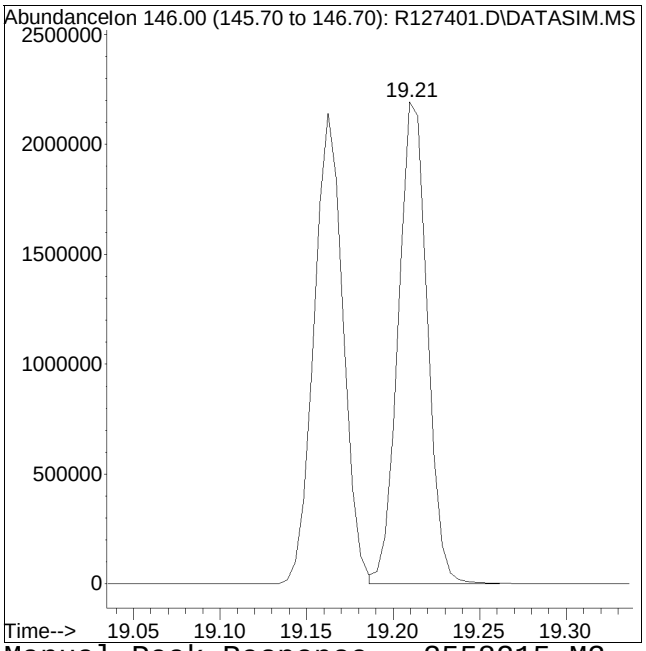
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127401.D
Date Inj'd : 4/3/2013 5:03 am
Sample : ITO15-SIMSTD50.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 2:39 pm

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 2512056 Manual Peak Response = 2558215 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	99	0.00
2		propylene	0.557	0.551	1.1	104	0.00
3		dichlorodifluoromethane	1.295	1.253	3.2	102	0.00
4	C	chloromethane	0.681	0.624	8.4	99	0.00
5		Freon-114	1.416	1.372	3.1	100	0.00
6	C	vinyl chloride	0.580	0.563	2.9	100	0.00
7	C	1,3-butadiene	0.462	0.469	-1.5	105	0.00
8	C	bromomethane	0.518	0.495	4.4	100	0.00
9	C	chloroethane	0.259	0.244	5.8	100	0.00
10		ethanol	0.477	0.471	1.3	97	0.00
11	C	vinyl bromide	0.515	0.499	3.1	99	0.00
12		acetone	1.082	1.128	-4.3	107	0.00
13		trichlorofluoromethane	1.554	1.522	2.1	100	0.00
14		isopropyl alcohol	1.456	1.488	-2.2	104	0.00
15	C	acrylonitrile	0.526	0.514	2.3	99	0.00
16	C	1,1-dichloroethene	0.969	0.968	0.1	100	0.00
17	C	methylene chloride	0.904	0.896	0.9	101	0.00
18	C	3-chloropropene	0.878	0.917	-4.4	105	0.00
19	C	carbon disulfide	1.466	1.400	4.5	98	0.00
20		Freon 113	1.080	1.073	0.6	101	0.00
21		Halothane	0.721	0.734	-1.8	103	0.00
22		trans-1,2-dichloroethene	0.935	0.843	9.8	91	0.00
23	C	1,1-dichloroethane	1.083	1.043	3.7	100	0.00
24	C	MTBE	1.313	1.261	4.0	100	0.00
25	C	vinyl acetate	1.911	1.993	-4.3	110	0.00
26	C	2-butanone	1.696	1.453	14.3	87	0.00
27		cis-1,2-dichloroethene	0.926	1.028	-11.0	110	0.00
28		Ethyl Acetate	0.221	0.222	-0.5	99	0.00
29	C	chloroform	1.169	1.190	-1.8	101	0.00
30		Tetrahydrofuran	0.934	0.918	1.7	97	0.00
31	C	1,2-dichloroethane	0.883	0.860	2.6	100	0.00
32	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00
33	C	hexane	0.486	0.476	2.1	99	0.00
34	s	1,2-dichloroethane-D4	0.294	0.300	-2.0	99	0.00
35	C	1,1,1-trichloroethane	0.535	0.558	-4.3	101	0.00
36	C	benzene	0.790	0.777	1.6	98	0.00
37	C	carbon tetrachloride	0.587	0.600	-2.2	101	0.00
38		cyclohexane	0.514	0.504	1.9	98	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	C	1,2-dichloropropane	0.348	0.352	-1.1	101	0.00
40		bromodichloromethane	0.601	0.599	0.3	98	0.00
41	C	1,4-dioxane	0.176	0.175	0.6	99	0.00
42	C	trichloroethene	0.386	0.393	-1.8	99	0.00
43	C	2,2,4-trimethylpentane	1.606	1.609	-0.2	99	0.00
44		heptane	0.687	0.674	1.9	100	0.00
45	C	cis-1,3-dichloropropene	0.434	0.479	-10.4	106	0.00
46	C	4-methyl-2-pentanone	0.898	0.949	-5.7	99	0.00
47		trans-1,3-dichloropropene	0.434	0.420	3.2	91	0.00
48	C	1,1,2-trichloroethane	0.338	0.361	-6.8	104	0.00
49	I	chlorobenzene-D5	1.000	1.000	0.0	100	0.00
50	C	toluene	4.054	4.088	-0.8	101	0.00
51	s	toluene-D8	3.067	3.070	-0.1	100	0.00
52		2-hexanone	3.369	3.764	-11.7	98	0.00
53		dibromochloromethane	2.903	2.831	2.5	95	0.00
54	C	1,2-dibromoethane	2.429	2.549	-4.9	102	0.00
55	C	tetrachloroethene	2.093	2.103	-0.5	99	0.00
56		1,1,1,2-tetrachloroethane	2.114	2.031	3.9	93	0.00
57	C	chlorobenzene	3.397	3.515	-3.5	101	0.00
58	C	ethylbenzene	5.192	5.457	-5.1	102	0.00
59	C	m+p-xylene	4.037	4.277	-5.9	102	0.00
60	C	bromoform	2.938	2.824	3.9	92	0.00
61	C	styrene	3.127	3.322	-6.2	102	0.00
62	C	1,1,2,2-tetrachloroethane	3.312	3.521	-6.3	102	0.00
63	C	o-xylene	4.207	4.403	-4.7	102	0.00
64	s	bromofluorobenzene	2.320	2.354	-1.5	99	0.00
65	C	isopropylbenzene	6.173	6.266	-1.5	98	0.00
66		4-ethyl toluene	6.115	6.023	1.5	94	0.00
67		1,3,5-trimethylbenzene	5.019	5.302	-5.6	103	0.00
68		tert-butylbenzene	5.724	5.656	1.2	95	0.00
69		1,2,4-trimethylbenzene	5.025	5.421	-7.9	103	0.00
70	C	Benzyl Chloride	4.386	4.562	-4.0	95	0.00
71		1,3-dichlorobenzene	3.802	4.176	-9.8	103	0.00
72	C	1,4-dichlorobenzene	3.866	4.203	-8.7	103	0.00
73		sec-butylbenzene	7.834	7.926	-1.2	95	0.00
74		p-isopropyltoluene	6.909	6.618	4.2	89	0.00
75		1,2-dichlorobenzene	3.657	4.029	-10.2	104	0.00
76		n-butylbenzene	6.251	6.723	-7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 C	1,2,4-trichlorobenzene	2.939	3.709	-26.2	111	0.00
78	naphthalene	7.351	8.535	-16.1	108	0.00
79	1,2,3-trichlorobenzene	3.075	3.765	-22.4	113	0.00
80 C	hexachlorobutadiene	2.480	2.906	-17.2	107	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	256572	10.000	ppbV	0.00
Standard Area = 259105			Recovery = 99.02%			
32) 1,4-difluorobenzene	12.49	114	551471	10.000	ppbV	0.00
Standard Area = 553296			Recovery = 99.67%			
49) chlorobenzene-D5	16.90	54	131728	10.000	ppbV	0.00
Standard Area = 132097			Recovery = 99.72%			
System Monitoring Compounds						
34) 1,2-dichloroethane-D4	11.15	65	165564	10.203	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.03%			
51) toluene-D8	15.21	98	404347	10.007	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.07%			
64) bromofluorobenzene	18.09	95	310081	10.146	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) propylene	4.08	41	70716	4.946	ppbV	99
3) dichlorodifluoromethane	4.18	85	160735	4.838	ppbV	100
4) chloromethane	4.40	50	80041	4.580	ppbV	100
5) Freon-114	4.55	85	176056	4.847	ppbV	100
6) vinyl chloride	4.71	62	72289	4.858	ppbV	100
7) 1,3-butadiene	4.91	54	60213	5.083	ppbV	99
8) bromomethane	5.29	94	63555	4.778	ppbV	100
9) chloroethane	5.55	64	31308	4.708	ppbV	99
10) ethanol	5.74	31	302224	24.675	ppbV	99
11) vinyl bromide	6.04	106	63985	4.845	ppbV	100
12) acetone	6.39	43	723310	26.055	ppbV	99
13) trichlorofluoromethane	6.62	101	195307	4.898	ppbV	100
14) isopropyl alcohol	6.75	45	190865	5.109	ppbV	100
15) acrylonitrile	7.04	53	65951	4.883	ppbV	100
16) 1,1-dichloroethene	7.47	61	124138	4.991	ppbV	100
17) methylene chloride	7.64	49	114943	4.954	ppbV	100
18) 3-chloropropene	7.79	41	117596	5.221	ppbV	100
19) carbon disulfide	7.97	76	179559	4.773	ppbV	98
20) Freon 113	7.99	101	137596	4.967	ppbV	99
21) Halothane	8.59	117	94117	5.088	ppbV	100
22) trans-1,2-dichloroethene	8.82	61	108153M4	4.508	ppbV	
23) 1,1-dichloroethane	9.07	63	133775	4.815	ppbV	99
24) MTBE	9.16	73	161803	4.804	ppbV	99
25) vinyl acetate	9.27	43	255671	5.214	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2-butanone	9.56	43	186386	4.284	ppbV		98
27) cis-1,2-dichloroethene	10.07	61	131831	5.550	ppbV		99
28) Ethyl Acetate	10.36	61	28538	5.030	ppbV		97
29) chloroform	10.43	83	152609	5.088	ppbV		100
30) Tetrahydrofuran	10.89	42	117703	4.911	ppbV		100
31) 1,2-dichloroethane	11.27	62	110324	4.868	ppbV		99
33) hexane	10.32	57	131168	4.896	ppbV		82
35) 1,1,1-trichloroethane	11.56	97	153788	5.209	ppbV		98
36) benzene	12.08	78	214132	4.914	ppbV		100
37) carbon tetrachloride	12.25	117	165566	5.114	ppbV		99
38) cyclohexane	12.39	56	138903	4.899	ppbV		100
39) 1,2-dichloropropane	13.01	63	97139	5.068	ppbV		100
40) bromodichloromethane	13.24	83	165060	4.980	ppbV		100
41) 1,4-dioxane	13.29	88	48311	4.966	ppbV		98
42) trichloroethene	13.28	130	108297	5.082	ppbV		99
43) 2,2,4-trimethylpentane	13.32	57	443531	5.008	ppbV		100
44) heptane	13.61	43	185964	4.906	ppbV		100
45) cis-1,3-dichloropropene	14.27	75	132181	5.521	ppbV		99
46) 4-methyl-2-pentanone	14.30	43	261575	5.284	ppbV		99
47) trans-1,3-dichloropropene	14.84	75	115750	4.832	ppbV		100
48) 1,1,2-trichloroethane	15.03	97	99518	5.336	ppbV		99
50) toluene	15.31	91	269263M4	5.043	ppbV		
52) 2-hexanone	15.55	43	247909	5.587	ppbV	#	95
53) dibromochloromethane	15.72	129	186477M4	4.877	ppbV		
54) 1,2-dibromoethane	15.95	107	167876M4	5.247	ppbV		
55) tetrachloroethene	16.36	166	138507	5.025	ppbV		99
56) 1,1,1,2-tetrachloroethane	16.92	131	133770	4.803	ppbV		100
57) chlorobenzene	16.93	112	231494	5.173	ppbV		100
58) ethylbenzene	17.23	91	359432	5.255	ppbV		100
59) m+p-xylene	17.37	91	563414	10.596	ppbV		99
60) bromoform	17.45	173	185972	4.806	ppbV		100
61) styrene	17.65	104	218790	5.311	ppbV		100
62) 1,1,2,2-tetrachloroethane	17.74	83	231935	5.316	ppbV		100
63) o-xylene	17.74	91	289993	5.233	ppbV		100
65) isopropylbenzene	18.18	105	412736	5.076	ppbV		100
66) 4-ethyl toluene	18.66	105	396704	4.925	ppbV		100
67) 1,3,5-trimethylbenzene	18.72	105	349196	5.282	ppbV		100
68) tert-butylbenzene	19.03	119	372538	4.941	ppbV		99
69) 1,2,4-trimethylbenzene	19.03	105	357042	5.394	ppbV		96
70) Benzyl Chloride	19.14	91	300479	5.201	ppbV		99
71) 1,3-dichlorobenzene	19.16	146	275020	5.491	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,4-dichlorobenzene	19.21	146	276824	5.435	ppbV	99
73) sec-butylbenzene	19.22	105	522022	5.058	ppbV	100
74) p-isopropyltoluene	19.34	119	435880	4.789	ppbV	99
75) 1,2-dichlorobenzene	19.47	146	265346	5.509	ppbV	99
76) n-butylbenzene	19.66	91	442826	5.377	ppbV	100
77) 1,2,4-trichlorobenzene	20.92	180	244318	6.311	ppbV	100
78) naphthalene	21.04	128	562152	5.806	ppbV	100
79) 1,2,3-trichlorobenzene	21.30	180	248010	6.123	ppbV	100
80) hexachlorobutadiene	21.36	225	191378	5.857	ppbV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
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Quant Time: Apr 03 15:24:07 2013
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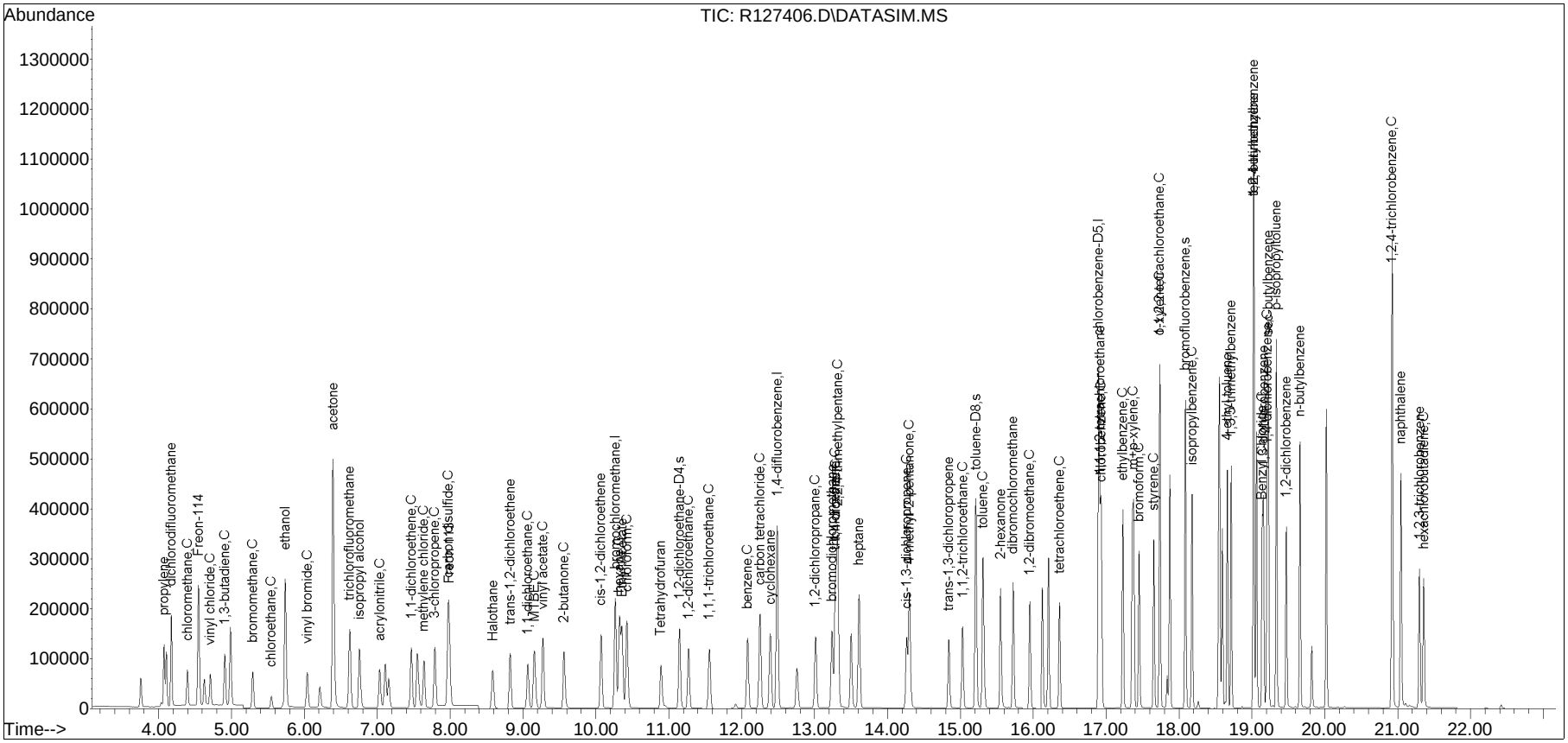
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : Default - All compounds listed

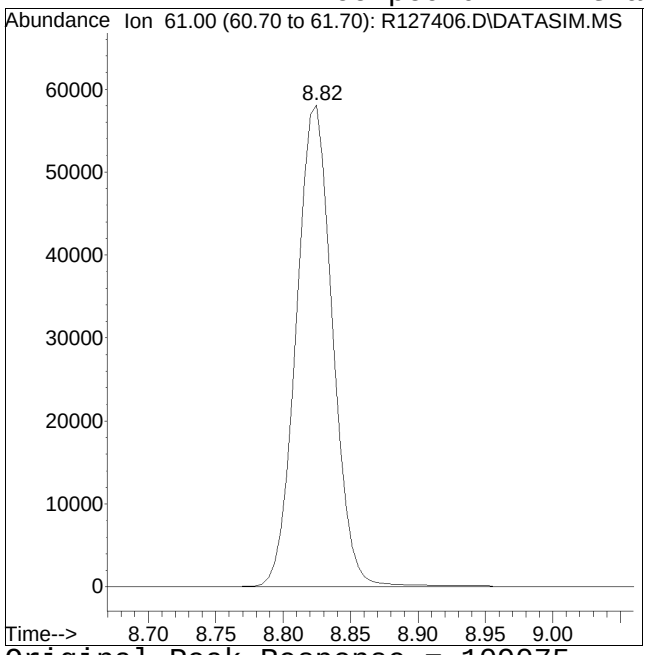


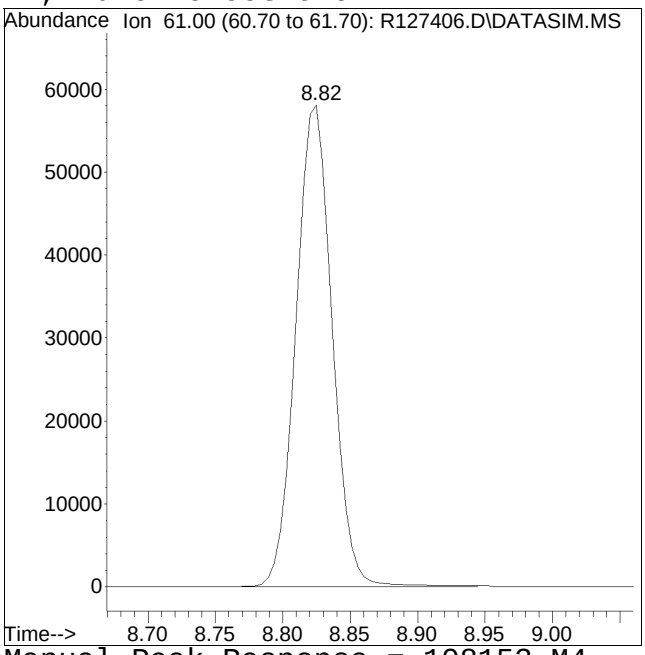
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127406.D
Date Inj'd : 4/3/2013 7:41 am
Sample : CTO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 3:21 pm

Compound #22: trans-1,2-dichloroethene





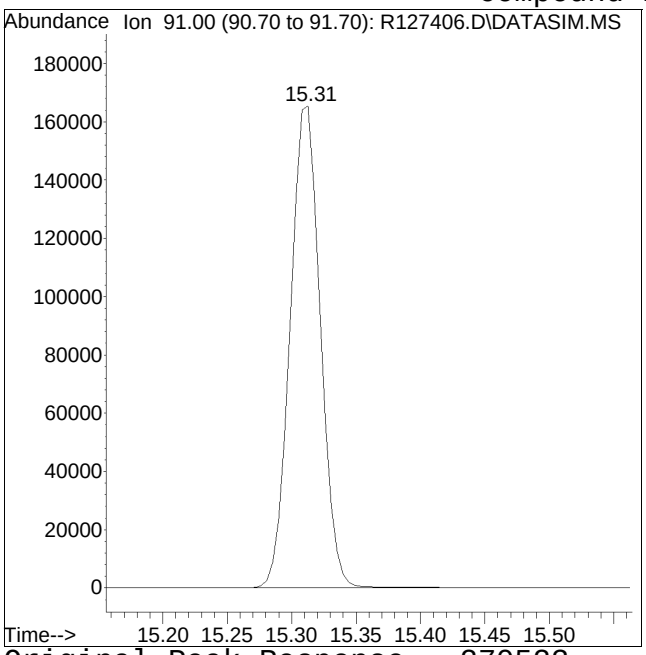
Original Peak Response = 109075 Manual Peak Response = 108153 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

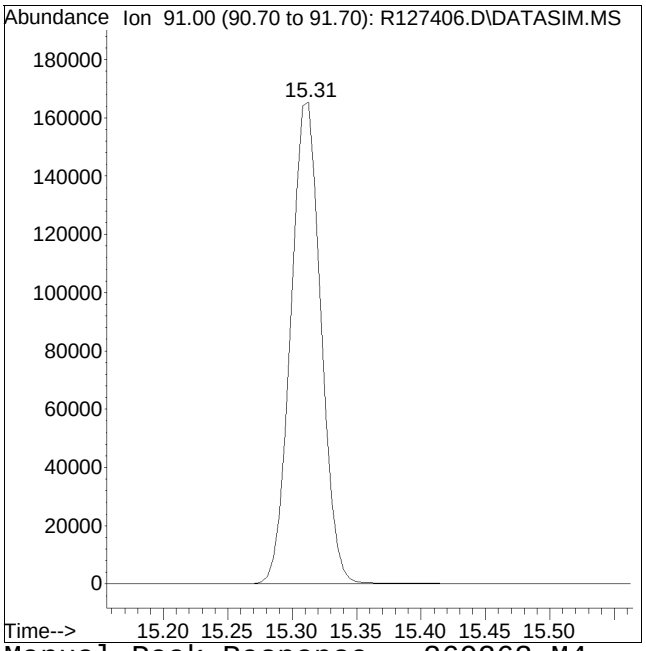
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127406.D
Date Inj'd : 4/3/2013 7:41 am
Sample : CTO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 3:21 pm

Compound #50: toluene



Original Peak Response = 270523



Manual Peak Response = 269263 M4

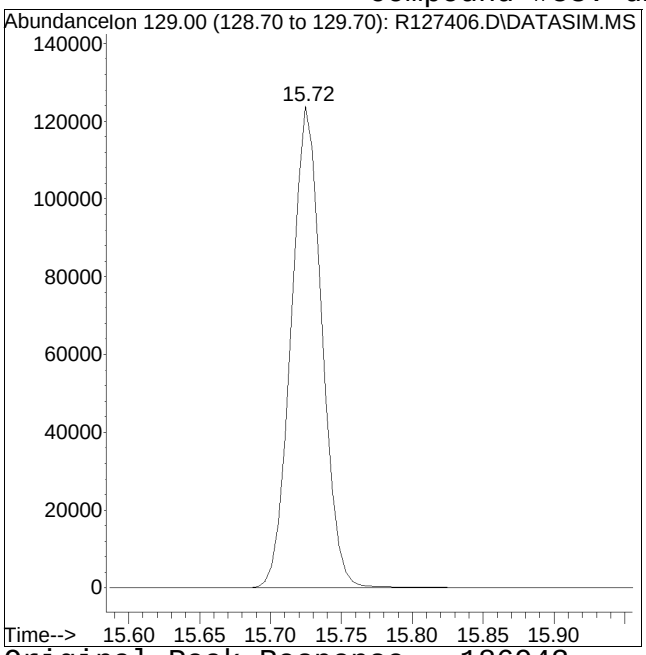
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

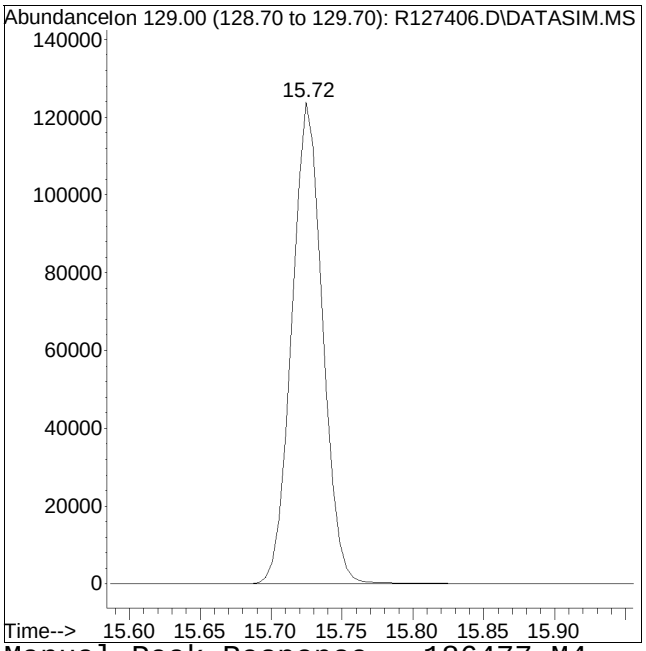
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127406.D
Date Inj'd : 4/3/2013 7:41 am
Sample : CTO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 3:21 pm

Compound #53: dibromochloromethane



Original Peak Response = 186943



Manual Peak Response = 186477 M4

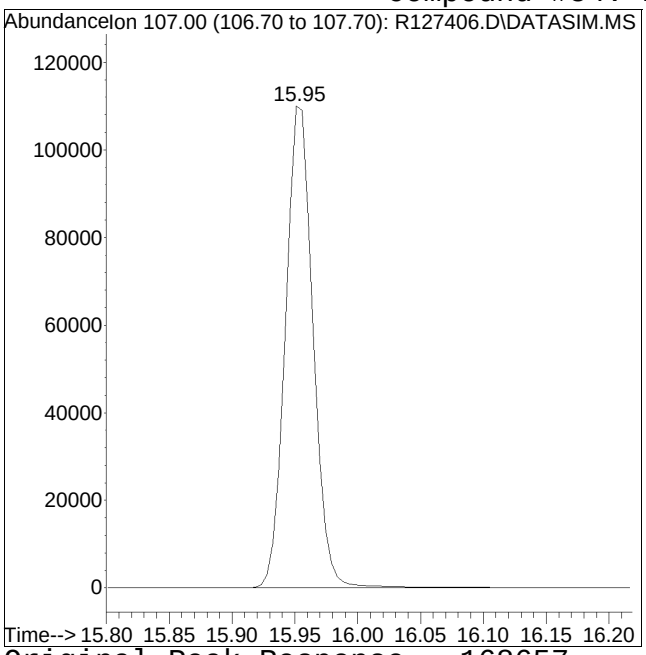
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

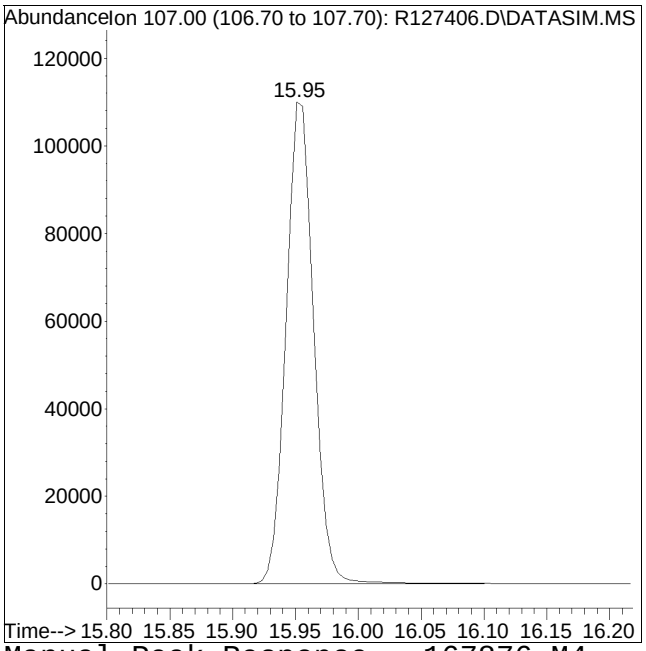
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127406.D
Date Inj'd : 4/3/2013 7:41 am
Sample : CTO15-SIMSTD5.0

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/3/2013 3:21 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 168657



Manual Peak Response = 167876 M4

M4 = Poor automated baseline construction.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 22 2013, 11:02 am

Work Group: WG601403 for Department: 3 GC/MS

Created: 12-APR-13 Due: Operator: ry

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1306330-05	AR5-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-06	AR6-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-07	AR7-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-11	TRIP BLANK	S	TO15-SIM	AIR	DONE	U	0503	0418	S0	Can-6
L1306330-12	AR8-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-13	AR9-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-14	AR10-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-15	AR16-3-A	S	TO15-SIM	AIR	DONE	U	0504	0418	S0	Can-6
L1306330-19	AR17-3-A	S	TO15-SIM	AIR	DONE	U	0505	0418	S0	Can-6
L1306330-20	AR11-3-A	S	TO15-SIM	AIR	DONE	U	0505	0418	S0	Can-6
L1306330-24	AR14-3-A	S	TO15-SIM	AIR	DONE	U	0505	0418	S0	Can-6
L1306330-25	AR15-3-A	S	TO15-SIM	AIR	DONE	U	0505	0418	S0	Can-6
L1306330-26	AR15-3-A-D	S	TO15-SIM	AIR	DONE	U	0505	0418	S0	Can-6
WG601403-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG601403-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG601403-3	Laboratory Control S	S	TO15-SIM	AIR	DONE	U				
WG601403-4	Laboratory Method Bl	S	TO15-SIM	AIR	DONE	U				
WG601403-5	Duplicate Sample	S	TO15-SIM	AIR	DONE	U				

Comments:

WG601403-5 L1306330-19

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 22 2013, 11:02 am

Work Group: WG601750 for Department: 3 GC/MS

Created: 15-APR-13 Due: Operator: mb

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1306330-01	SV3-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-02	SV4-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-03	SV2-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-04	SV1-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0503	0418	S0	Can-6
L1306330-08	SV5-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-09	SV6-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-10	SV7-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-16	SV9-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-17	SV8-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-18	SV10-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0504	0418	S0	Can-6
L1306330-21	SV11-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0505	0418	S0	Can-6
L1306330-22	SV12-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0505	0418	S0	Can-6
L1306330-23	SV14-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0505	0418	S0	Can-6
L1306330-27	SV13-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0505	0418	S0	Can-6
L1306330-28	SV15-1-A	S	TO15-SIM	SOIL_VAPOR	DONE	U	0505	0418	S0	Can-6
L1306330-29	SV15-1-A-D	S	TO15-SIM	SOIL_VAPOR	DONE	U	0505	0418	S0	Can-6
WG601750-1	MS BFB Tune Standard	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG601750-2	Continuing Calibrati	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG601750-3	Laboratory Control S	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG601750-4	Laboratory Method Bl	S	TO15-SIM	SOIL_VAPOR	DONE	U				
WG601750-5	Duplicate Sample	S	TO15-SIM	SOIL_VAPOR	DONE	U				

Comments:

WG601750-5 L1306330-01

Sequence Logs

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AirPiano1

Internal Standard/Surrogate IDs: CSS11-004 CSS12-007

Date: 04/02/13

Internal Standard/Surrogate Volume: 100 mL

Analyst Initials: AR

EM Voltage: 1918

SIM ICAL# 7793 Full Scan ICAL# 7791 PIANO ICAL # 7847 APH ICAL # 7789

AS Position #	Sample ID	Acquisition Method	Data File ID	Misc Info	Comment
3	TA1040201	TO15_SFS	R127388	250ml; tune failed	TUNE FAILED
5	ITO15-SIMSTD0.02	TO15_SFS	R127389	SS13-004F 125ML 0.02	DO NOT USE
3	TA1040201	TO15_SFS	R127390	250ml	TUNE
5	ITO15-SIMSTD0.02	TO15_SFS	R127391	SS13-004F 125ML 0.02	SIM ONLY
5	ITO15-SIMSTD0.04	TO15_SFS	R127392	SS13-004F 250ML 0.04	SIM ONLY
6	ITO15-SIMSTD0.1	TO15_SFS	R127393	SS13-004E 125ML 0.1	SIM ONLY
6	ITO15-SIMSTD0.2	TO15_SFS	R127394	SS13-004E 250ML 0.2	
7	ITO15-SIMSTD0.5	TO15_SFS	R127395	SS13-004D 125ML 0.5	
7	ITO15-SIMSTD1.0	TO15_SFS	R127396	SS13-004D 250ML 1.0	
8	ITO15-SIMSTD2.5	TO15_SFS	R127397	SS13-004C 125ML 2.5	
8	ITO15-SIMSTD5.0	TO15_SFS	R127398	SS13-004C 250ML 5.0	
9	ITO15-SIMSTD10.0	TO15_SFS	R127399	SS13-004B 125ML 10.0	
9	ITO15-SIMSTD20.0	TO15_SFS	R127400	SS13-004B 250ML 20.0	
10	ITO15-SIMSTD50.0	TO15_SFS	R127401	SS13-004A 125ML 50.0	
10	ITO15-LLSTD100.0	TO15_SFS	R127402	SS13-004A 250ML 100.0	
1	BA1040201	TO15_SFS	R127403	250ml	
1	BA1040202	TO15_SFS	R127404	250ml	
2	CTO15-LLSTD10	TO15_SFS	R127405	SS13-010A 250ML 10.0	FULLSCAN ICV
2	CTO15-SIMSTD5.0	TO15_SFS	R127406	SS13-010A 125ML 5.0	SIM ICV

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AirPiano1

Internal Standard/Surrogate IDs: CSS11-004 CSS12-007

Date: 04/12/13

Internal Standard/Surrogate Volume: 100 mL

Analyst Initials: MB/RY

EM Voltage: 1835

SIM ICAL# 7910 Full Scan ICAL# 7909 PIANO ICAL # APH ICAL # 7911

AS Position #	Sample ID	Acquisition Method	Data File ID	Misc Info	Comment
1	TA1041201	TO15_SFS	R127636	250ml	TUNE
2	CTO15-LLSTD10	TO15_SFS	R127637	250ml SS13-010B 10.0	LL LCS
2	CTO15-SIMSTD5.0	TO15_SFS	R127638	125ml SS13-010B 5.0	SIM LCS
		Pause			
1	BA1041201	TO15_SFS	R127639	250ml	INST. BLANK
1	BA1041202	TO15_SFS	R127640	250ml	BLANK
2	L1306486-01,3,250,250	TO15_SFS	R127641	WG601405,ICAL7910	
3	L1306486-02,3,250,250	TO15_SFS	R127642	WG601405,ICAL7910	
4	L1306330-11,3,250,250	TO15_SFS	R127643	WG601403,ICAL7910	
5	L1306330-05,3,250,250	TO15_SFS	R127644	WG601403,ICAL7910	
6	L1306330-06,3,250,250	TO15_SFS	R127645	WG601403,ICAL7910	
7	L1306330-07,3,250,250	TO15_SFS	R127646	WG601403,ICAL7910	
8	L1306330-12,3,250,250	TO15_SFS	R127647	WG601403,ICAL7910	
9	L1306330-13,3,250,250	TO15_SFS	R127648	WG601403,ICAL7910	
10	L1306330-14,3,250,250	TO15_SFS	R127649	WG601403,ICAL7910	
11	L1306330-15,3,250,250	TO15_SFS	R127650	WG601403,ICAL7910	
12	L1306330-19,3,250,250	TO15_SFS	R127651	WG601403,ICAL7910	
12	L1306330-19DUP,3,250,250	TO15_SFS	R127652	WG601403,ICAL7910	TO15-SIM DUP
13	L1306330-20,3,250,250	TO15_SFS	R127653	WG601403,ICAL7910	

Alpha Analytical Air Lab
Instrument Run Log

14	L1306330-24,3,250,250	TO15_SFS	R127654	WG601403,ICAL7910	
15	L1306330-25,3,250,250	TO15_SFS	R127655	WG601403,ICAL7910	TOLUENE OVERCAL
16	L1306330-26,3,250,250	TO15_SFS	R127656	WG601403,ICAL7910	TOLUENE OVERCAL
16	L1306330-26D,3,50,250	TO15_SFS	R127657	WG601403,ICAL7910	TOLUENE ONLY
15	L1306330-25D,3,50,250	TO15_SFS	R127658	WG601403,ICAL7910	TOLUENE ONLY

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AirPiano1

Internal Standard/Surrogate IDs: CSS11-004 CSS12-007

Date: 04/15/13

Internal Standard/Surrogate Volume: 100 mL

Analyst Initials: MB

EM Voltage: 1835

SIM ICAL# 7910 Full Scan ICAL# 7909 PIANO ICAL # APH ICAL # 7911

AS Position #	Sample ID	Acquisition Method	Data File ID	Misc Info	Comment
1	TA1041501	TO15_SFS	R127659	250ml	TUNE
2	CTO15-LLSTD10	TO15_SFS	R127660	250ml SS13-012C 10.0	LL LCS
2	CTO15-SIMSTD5.0	TO15_SFS	R127661	125ml SS13-012C 5.0	SIM LCS
		Pause			
1	BA1041501	TO15_SFS	R127662	250ml	INST. BLANK
1	BA1041502	TO15_SFS	R127663	250ml	BLANK
2	SIM LOD 0.01	TO15_SFS	R127664	63ml SS13-004F 0.01	
2	L1306330-01,3,250,250	TO15_SFS	R127665	WG601750,ICAL7910	
2	L1306330-01DUP,3,250,250	TO15_SFS	R127666	WG601750,ICAL7910	TO15-SIM DUP
3	L1306330-02D,3,125,250	TO15_SFS	R127667	WG601750,ICAL7910	
4	L1306330-03,3,250,250	TO15_SFS	R127668	WG601750,ICAL7910	
5	L1306330-04,3,250,250	TO15_SFS	R127669	WG601750,ICAL7910	
6	L1306330-08D,3,125,250	TO15_SFS	R127670	WG601750,ICAL7910	
7	L1306330-09D,3,125,250	TO15_SFS	R127671	WG601750,ICAL7910	
8	L1306330-10D,3,25,250	TO15_SFS	R127672	WG601750,ICAL7910	
9	L1306330-16D,3,75,250	TO15_SFS	R127673	WG601750,ICAL7910	
10	L1306330-17D,3,25,250	TO15_SFS	R127674	WG601750,ICAL7910	
11	L1306330-18D,3,75,250	TO15_SFS	R127675	WG601750,ICAL7910	
12	L1306330-21,3,250,250	TO15_SFS	R127676	WG601750,ICAL7910	

Alpha Analytical Air Lab
Instrument Run Log

13	L1306330-22D,3,50,250	TO15_SFS	R127677	WG601750,ICAL7910	
14	L1306330-23,3,250,250	TO15_SFS	R127678	WG601750,ICAL7910	
15	L1306330-27D,3,25,250	TO15_SFS	R127679	WG601750,ICAL7910	
16	L1306330-28D,3,200,250	TO15_SFS	R127680	WG601750,ICAL7910	
1	L1306330-29D,3,200,250	TO15_SFS	R127681	WG601750,ICAL7910	

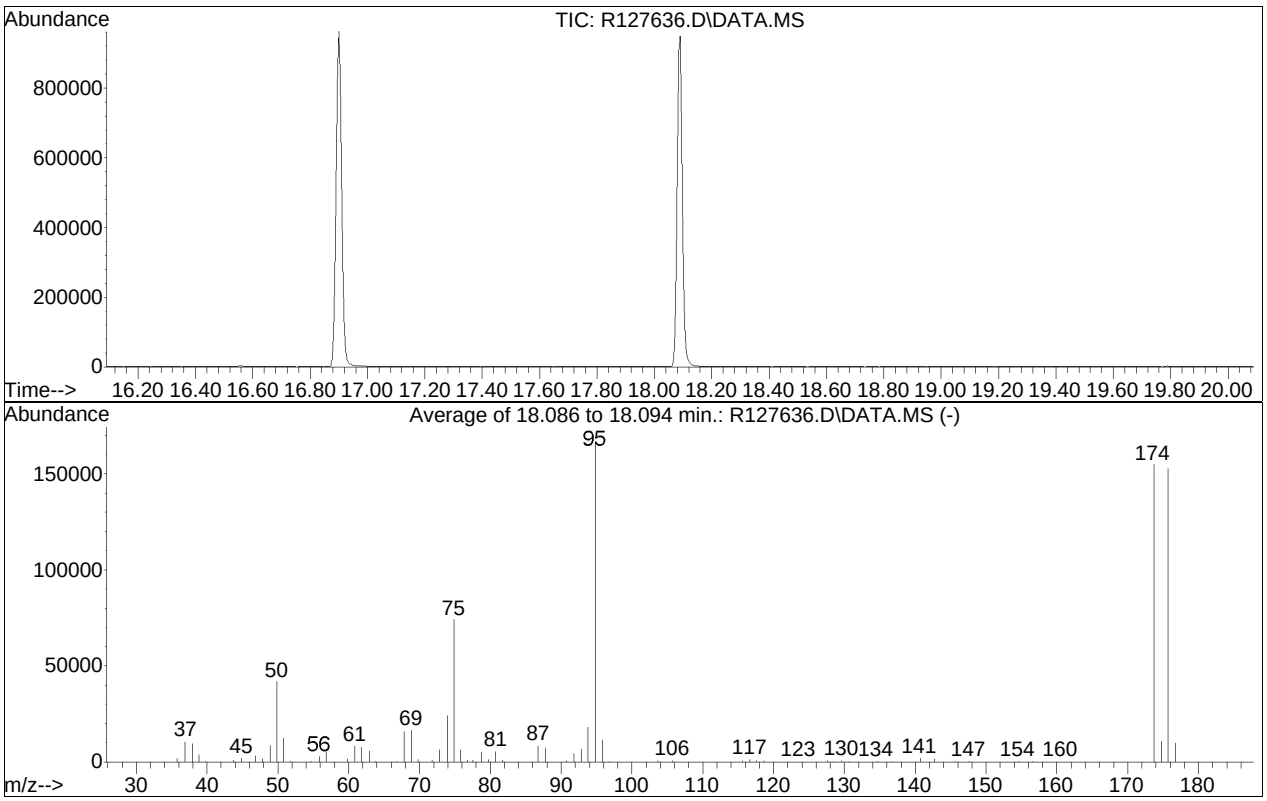
Analytical Event

Continuing Calibration
BFB Tune

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127636.D
Acq On : 12 Apr 2013 12:59 pm
Operator : AIRPIANO1:RY
Sample : WG601403-1,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:20:57 2013



AutoFind: Scans 3254, 3255, 3256; Background Corrected with Scan 3246

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.2	41853	PASS
75	95	30	66	44.7	74227	PASS
95	95	100	100	100.0	166187	PASS
96	95	5	9	6.9	11488	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.2	154859	PASS
175	174	4	9	7.0	10905	PASS
176	174	93	101	98.7	152789	PASS
177	176	5	9	6.5	9928	PASS

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-2,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	104	0.00
3		dichlorodifluoromethane	1.295	1.232	4.9	105	0.00
4	C	chloromethane	0.681	0.648	4.8	108	0.00
5		Freon-114	1.416	1.360	4.0	104	0.00
6	C	vinyl chloride	0.580	0.550	5.2	102	0.00
7	C	1,3-butadiene	0.462	0.460	0.4	108	0.00
8	C	bromomethane	0.518	0.487	6.0	103	0.00
9	C	chloroethane	0.259	0.235	9.3	101	0.00
12		acetone	1.082	1.112	-2.8	111	0.00
13		trichlorofluoromethane	1.554	1.490	4.1	102	0.00
15	C	acrylonitrile	0.526	0.490	6.8	99	0.00
16	C	1,1-dichloroethene	0.969	0.926	4.4	100	0.00
17	C	methylene chloride	0.904	0.901	0.3	106	0.00
20		Freon 113	1.080	1.040	3.7	102	0.00
22		trans-1,2-dichloroethene	0.935	0.795	15.0	90	0.00
23	C	1,1-dichloroethane	1.083	0.999	7.8	100	0.00
24	C	MTBE	1.313	1.138	13.3	95	0.00
26	C	2-butanone	1.696	1.416	16.5	89	0.00
27		cis-1,2-dichloroethene	0.926	0.949	-2.5	107	0.00
29	C	chloroform	1.169	1.129	3.4	101	0.00
31	C	1,2-dichloroethane	0.883	0.830	6.0	101	0.00
32	I	1,4-difluorobenzene	1.000	1.000	0.0	99	0.00
35	C	1,1,1-trichloroethane	0.535	0.530	0.9	95	0.00
36	C	benzene	0.790	0.764	3.3	95	0.00
37	C	carbon tetrachloride	0.587	0.528	10.1	88	0.00
39	C	1,2-dichloropropane	0.348	0.346	0.6	99	0.00
40		bromodichloromethane	0.601	0.550	8.5	90	0.00
42	C	trichloroethene	0.386	0.381	1.3	96	0.00
45	C	cis-1,3-dichloropropene	0.434	0.428	1.4	94	0.00
46	C	4-methyl-2-pentanone	0.898	0.923	-2.8	95	0.00
47		trans-1,3-dichloropropene	0.434	0.365	15.9	79	0.00
48	C	1,1,2-trichloroethane	0.338	0.354	-4.7	101	0.00
49	I	chlorobenzene-D5	1.000	1.000	0.0	100	0.00
50	C	toluene	4.054	3.881	4.3	96	0.00
53		dibromochloromethane	2.903	2.295	20.9	77	0.00
54	C	1,2-dibromoethane	2.429	2.420	0.4	97	0.00
55	C	tetrachloroethene	2.093	1.986	5.1	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-2,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56		1,1,1,2-tetrachloroethane	2.114	1.790	15.3	83	0.00
57	C	chlorobenzene	3.397	3.341	1.6	97	0.00
58	C	ethylbenzene	5.192	5.134	1.1	97	0.00
59	C	m+p-xylene	4.037	4.006	0.8	96	0.00
60	C	bromoform	2.938	2.054	30.1#	67	0.00
61	C	styrene	3.127	3.087	1.3	95	0.00
62	C	1,1,2,2-tetrachloroethane	3.312	3.441	-3.9	101	0.00
63	C	o-xylene	4.207	4.187	0.5	98	0.00
65	C	isopropylbenzene	6.173	5.963	3.4	94	0.00
66		4-ethyl toluene	6.115	5.537	9.5	87	0.00
67		1,3,5-trimethylbenzene	5.019	4.982	0.7	97	0.00
69		1,2,4-trimethylbenzene	5.025	5.125	-2.0	98	0.00
71		1,3-dichlorobenzene	3.802	3.859	-1.5	96	0.00
72	C	1,4-dichlorobenzene	3.866	3.886	-0.5	96	0.00
73		sec-butylbenzene	7.834	7.471	4.6	91	0.00
74		p-isopropyltoluene	6.909	6.235	9.8	85	0.00
75		1,2-dichlorobenzene	3.657	3.683	-0.7	96	0.00
76		n-butylbenzene	6.251	6.380	-2.1	95	0.00
77	C	1,2,4-trichlorobenzene	2.939	3.246	-10.4	97	0.00
78		naphthalene	7.351	7.374	-0.3	94	0.00
79		1,2,3-trichlorobenzene	3.075	3.233	-5.1	98	0.00
80	C	hexachlorobutadiene	2.480	2.514	-1.4	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-2,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	268822	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 100.00%			
32) 1,4-difluorobenzene	12.49	114	547088	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 100.00%			
49) chlorobenzene-D5	16.90	54	132720	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	165593	4.757	ppbV	100
4) chloromethane	4.40	50	87069	4.755	ppbV	100
5) Freon-114	4.55	85	182813	4.804	ppbV	99
6) vinyl chloride	4.71	62	73977	4.745	ppbV	100
7) 1,3-butadiene	4.91	54	61817	4.980	ppbV	98
8) bromomethane	5.29	94	65497	4.700	ppbV	100
9) chloroethane	5.55	64	31580	4.533	ppbV	99
12) acetone	6.39	43	747424	25.697	ppbV	99
13) trichlorofluoromethane	6.62	101	200257	4.793	ppbV	100
15) acrylonitrile	7.04	53	65832	4.652	ppbV	100
16) 1,1-dichloroethene	7.47	61	124442	4.775	ppbV	99
17) methylene chloride	7.64	49	121168	4.984	ppbV	97
20) Freon 113	7.99	101	139755	4.815	ppbV	99
22) trans-1,2-dichloroethene	8.82	61	106818M4	4.249	ppbV	
23) 1,1-dichloroethane	9.07	63	134230	4.611	ppbV	99
24) MTBE	9.16	73	152962	4.335	ppbV	100
26) 2-butanone	9.56	43	190314	4.175	ppbV	97
27) cis-1,2-dichloroethene	10.07	61	127508	5.123	ppbV	98
29) chloroform	10.43	83	151692	4.827	ppbV	99
31) 1,2-dichloroethane	11.27	62	111581	4.700	ppbV	100
35) 1,1,1-trichloroethane	11.56	97	145059	4.953	ppbV	97
36) benzene	12.08	78	209120	4.837	ppbV	99
37) carbon tetrachloride	12.25	117	144367	4.495	ppbV	99
39) 1,2-dichloropropane	13.02	63	94751	4.983	ppbV	99
40) bromodichloromethane	13.24	83	150446	4.575	ppbV	100
42) trichloroethene	13.28	130	104204	4.929	ppbV	99
45) cis-1,3-dichloropropene	14.27	75	117075	4.929	ppbV	99
46) 4-methyl-2-pentanone	14.30	43	252502	5.142	ppbV	100
47) trans-1,3-dichloropropene	14.84	75	99850	4.202	ppbV	98
48) 1,1,2-trichloroethane	15.03	97	96899	5.237	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-2,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

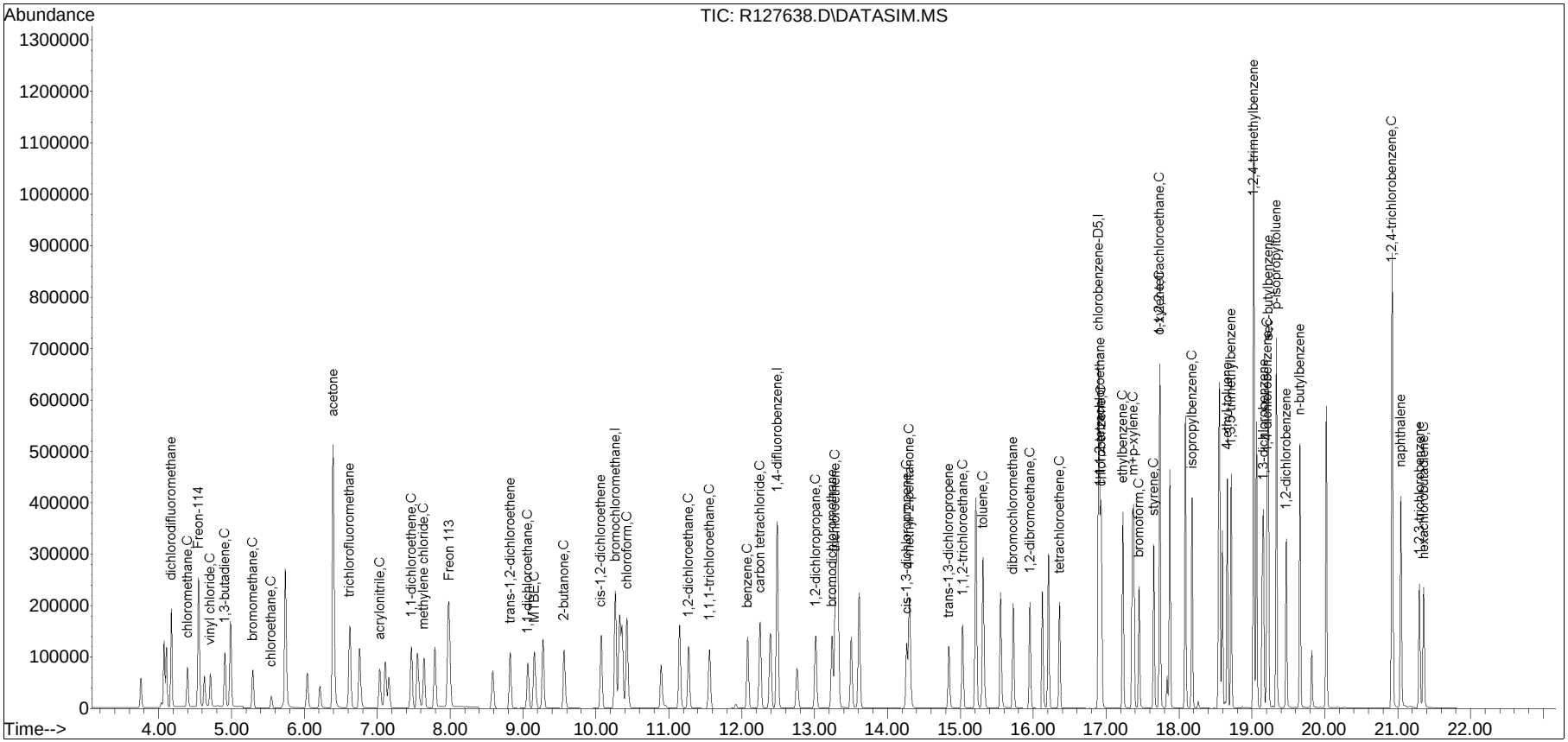
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) toluene	15.31	91	257518M4	4.787	ppbV	
53) dibromochloromethane	15.72	129	152299M4	3.953	ppbV	
54) 1,2-dibromoethane	15.96	107	160589M4	4.982	ppbV	
55) tetrachloroethene	16.36	166	131808	4.746	ppbV	97
56) 1,1,1,2-tetrachloroethane	16.92	131	118766	4.233	ppbV	99
57) chlorobenzene	16.93	112	221683	4.917	ppbV	99
58) ethylbenzene	17.23	91	340660	4.943	ppbV	99
59) m+p-xylene	17.37	91	531670	9.924	ppbV	99
60) bromoform	17.45	173	136301	3.496	ppbV	100
61) styrene	17.65	104	204881	4.936	ppbV	100
62) 1,1,2,2-tetrachloroethane	17.74	83	228320	5.194	ppbV	100
63) o-xylene	17.74	91	277818	4.976	ppbV	100
65) isopropylbenzene	18.18	105	395710	4.830	ppbV	100
66) 4-ethyl toluene	18.66	105	367434	4.528	ppbV	100
67) 1,3,5-trimethylbenzene	18.72	105	330607	4.963	ppbV	100
69) 1,2,4-trimethylbenzene	19.03	105	340116	5.100	ppbV	96
71) 1,3-dichlorobenzene	19.16	146	256076	5.074	ppbV	99
72) 1,4-dichlorobenzene	19.21	146	257906	5.026	ppbV	99
73) sec-butylbenzene	19.22	105	495744	4.768	ppbV	99
74) p-isopropyltoluene	19.34	119	413752	4.512	ppbV	100
75) 1,2-dichlorobenzene	19.47	146	244413	5.036	ppbV	98
76) n-butylbenzene	19.66	91	423390	5.103	ppbV	99
77) 1,2,4-trichlorobenzene	20.92	180	215405	5.523	ppbV	99
78) naphthalene	21.04	128	489346	5.016	ppbV	100
79) 1,2,3-trichlorobenzene	21.30	180	214552	5.257	ppbV	99
80) hexachlorobutadiene	21.36	225	166842	5.068	ppbV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-2,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

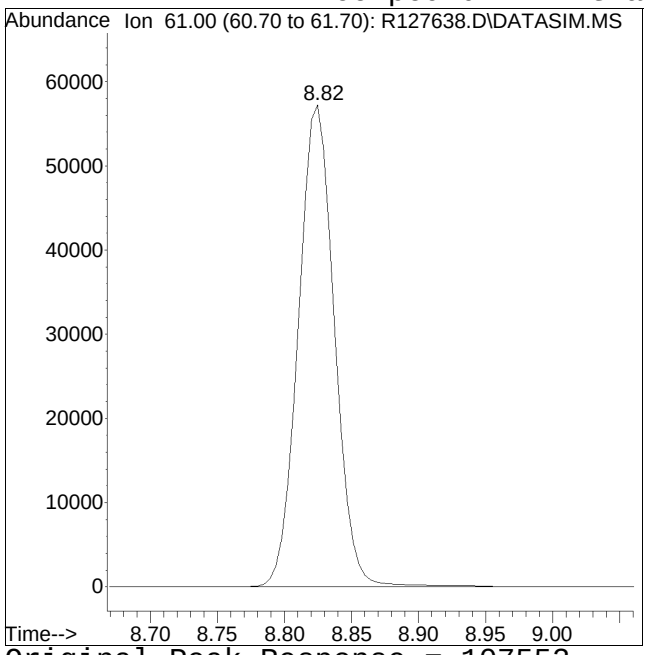


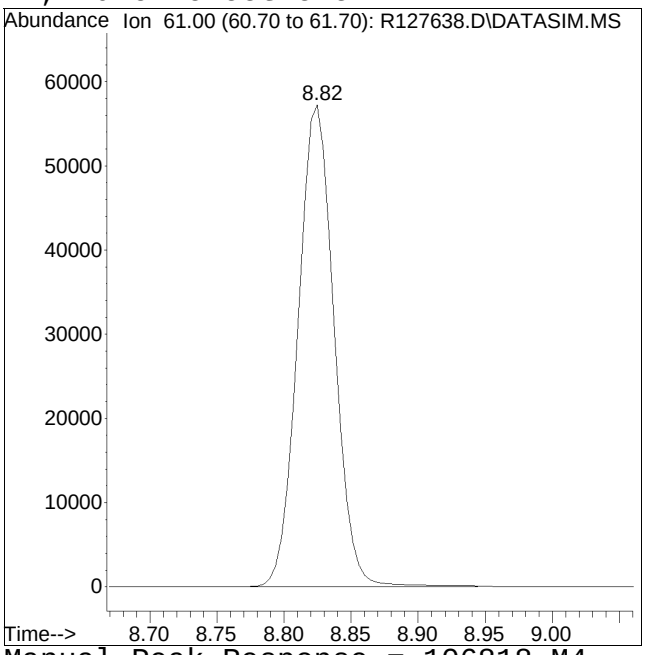
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #22: trans-1,2-dichloroethene





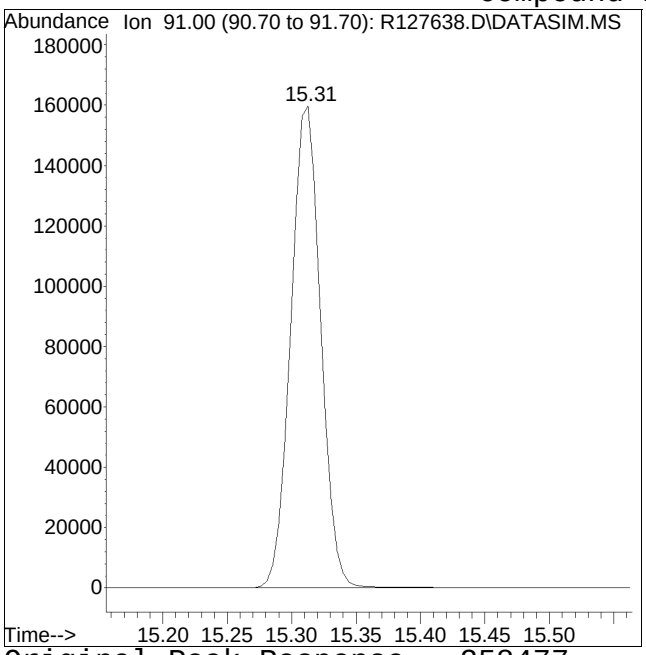
Original Peak Response = 107552 Manual Peak Response = 106818 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

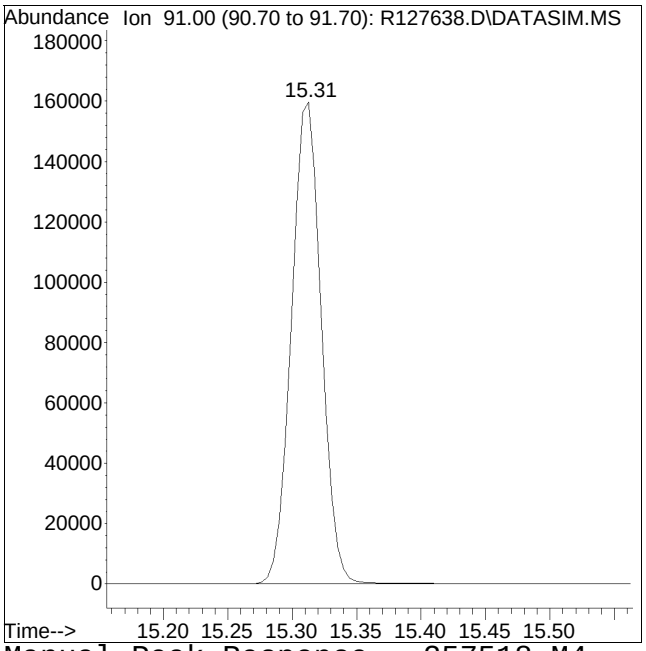
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #50: toluene



Original Peak Response = 258477



Manual Peak Response = 257518 M4

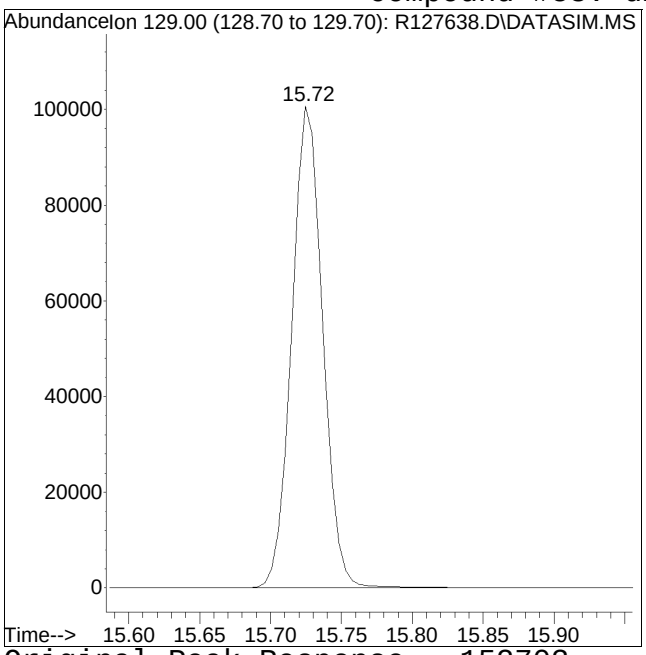
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

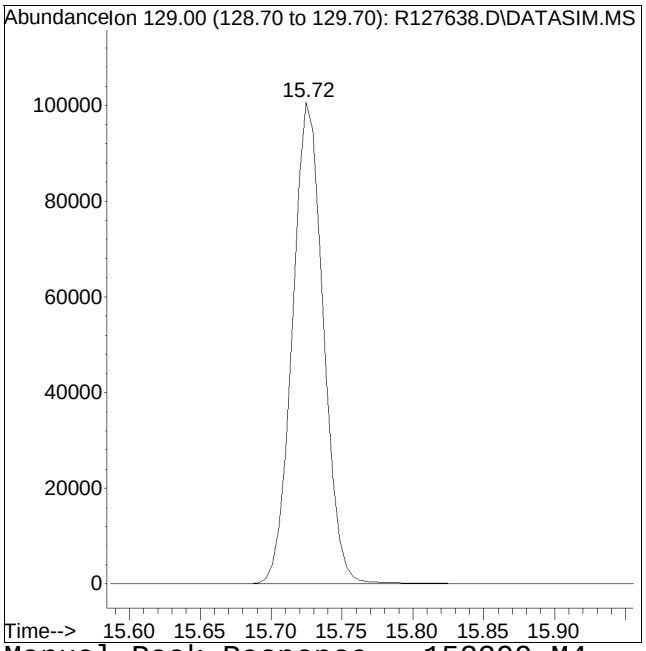
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #53: dibromochloromethane



Original Peak Response = 152703



Manual Peak Response = 152299 M4

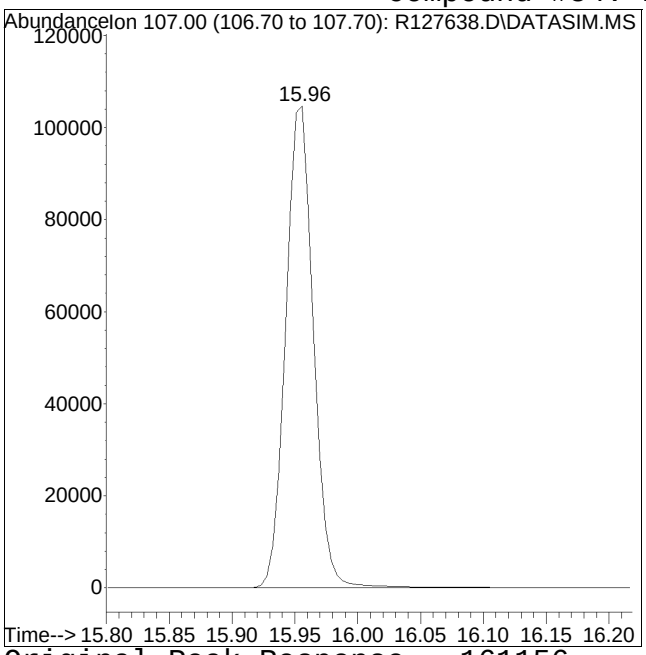
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

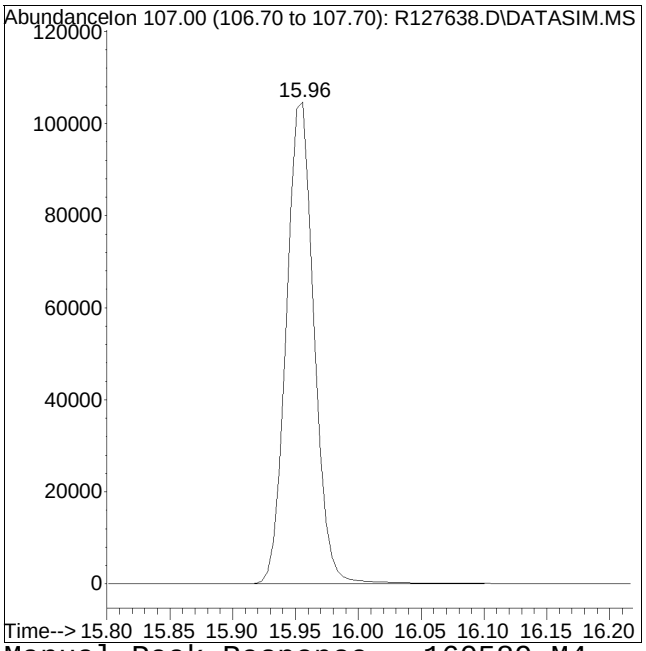
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 161156



Manual Peak Response = 160589 M4

M4 = Poor automated baseline construction.

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127643.D
Acq On : 12 Apr 2013 6:13 pm
Operator : AIRPIANO1:MB
Sample : L1306330-11,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 09:27:38 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	234101	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 87.08%			
32) 1,4-difluorobenzene	12.49	114	539919	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.69%			
49) chlorobenzene-D5	16.90	54	133929	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 100.91%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18		0	N.D.		
4) chloromethane	4.40		0	N.D.		
5) Freon-114	4.56		0	N.D.		
6) vinyl chloride	4.70		0	N.D.		
7) 1,3-butadiene	4.91		0	N.D.		
8) bromomethane	0.00		0	N.D. d		
9) chloroethane	5.55		0	N.D.		
12) acetone	6.43		0	N.D.		
13) trichlorofluoromethane	6.63		0	N.D.		
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	16895	0.798	ppbV	99
20) Freon 113	0.00		0	N.D.		
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.98		0	N.D.		
24) MTBE	9.17		0	N.D.		
26) 2-butanone	9.60		0	N.D.		
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43		0	N.D.		
31) 1,2-dichloroethane	11.14		0	N.D.		
35) 1,1,1-trichloroethane	11.47		0	N.D.		
36) benzene	12.09		0	N.D.		
37) carbon tetrachloride	12.24		0	N.D.		
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	13.25		0	N.D.		
42) trichloroethene	13.29		0	N.D.		
45) cis-1,3-dichloropropene	14.28		0	N.D.		
46) 4-methyl-2-pentanone	14.39		0	N.D.		
47) trans-1,3-dichloropropene	14.85		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127643.D
Acq On : 12 Apr 2013 6:13 pm
Operator : AIRPIANO1:MB
Sample : L1306330-11,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 09:27:38 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

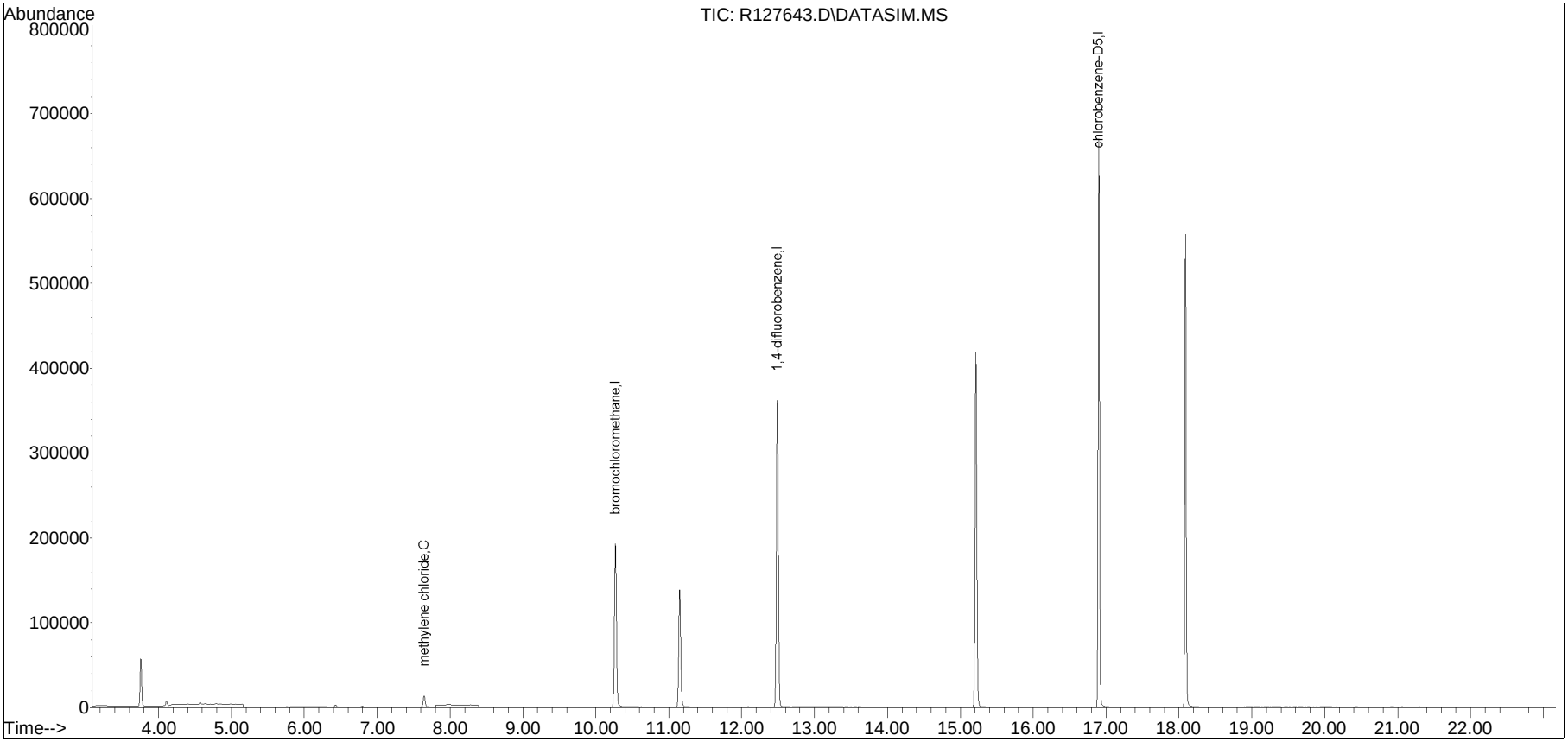
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0		N.D.	
50) toluene	15.32		0		N.D.	
53) dibromochloromethane	0.00		0		N.D.	
54) 1,2-dibromoethane	15.86		0		N.D.	
55) tetrachloroethene	16.37		0		N.D.	
56) 1,1,1,2-tetrachloroethane	16.91		0		N.D.	
57) chlorobenzene	16.94		0		N.D.	
58) ethylbenzene	17.24		0		N.D.	
59) m+p-xylene	17.37		0		N.D.	
60) bromoform	17.46		0		N.D.	
61) styrene	17.67		0		N.D.	
62) 1,1,2,2-tetrachloroethane	17.75		0		N.D.	
63) o-xylene	17.74		0		N.D.	
65) isopropylbenzene	18.18		0		N.D.	
66) 4-ethyl toluene	18.67		0		N.D.	
67) 1,3,5-trimethylbenzene	18.72		0		N.D.	
69) 1,2,4-trimethylbenzene	19.04		0		N.D.	
71) 1,3-dichlorobenzene	19.18		0		N.D.	
72) 1,4-dichlorobenzene	19.22		0		N.D.	
73) sec-butylbenzene	19.23		0		N.D.	
74) p-isopropyltoluene	19.35		0		N.D.	
75) 1,2-dichlorobenzene	19.48		0		N.D.	
76) n-butylbenzene	19.68		0		N.D.	
77) 1,2,4-trichlorobenzene	20.93		0		N.D.	
78) naphthalene	21.06		0		N.D.	
79) 1,2,3-trichlorobenzene	21.31		0		N.D.	
80) hexachlorobutadiene	21.36		0		N.D.	

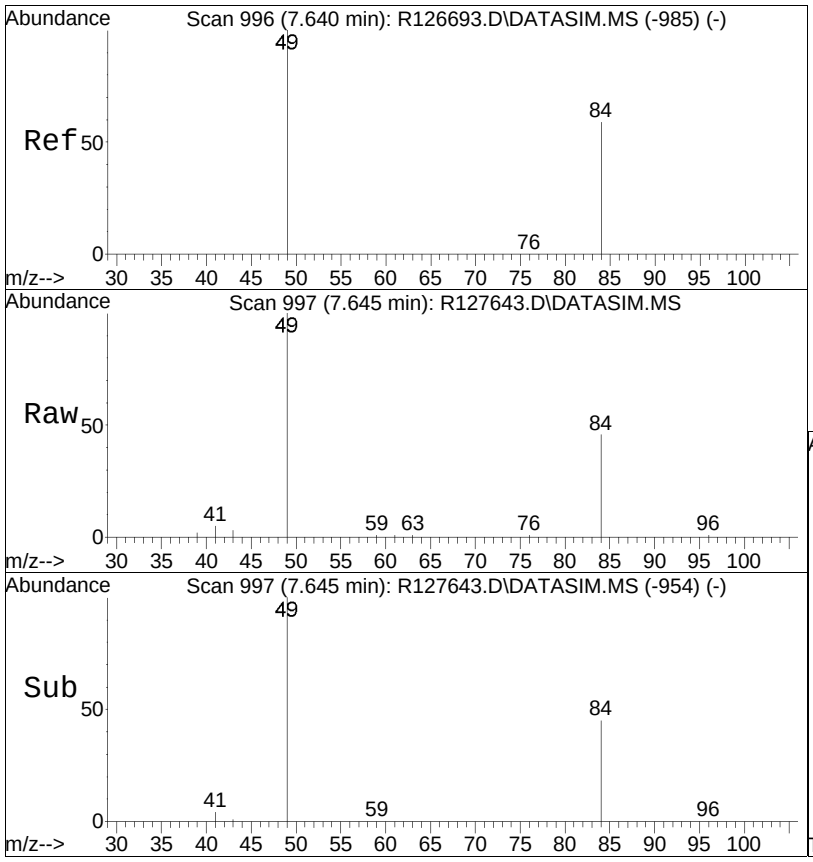
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127643.D
Acq On : 12 Apr 2013 6:13 pm
Operator : AIRPIANO1:MB
Sample : L1306330-11,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 09:27:38 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

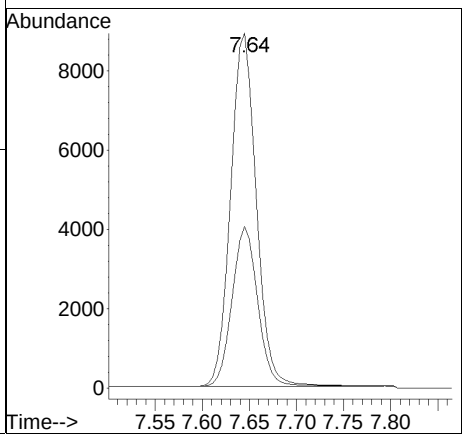




#17
methylene chloride
Concen: 0.80 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127643.D
Acq: 12 Apr 2013 6:13 pm

Tgt Ion: 49 Resp: 16895

Ion	Ratio	Lower	Upper
49	100		
84	45.6	37.2	55.8

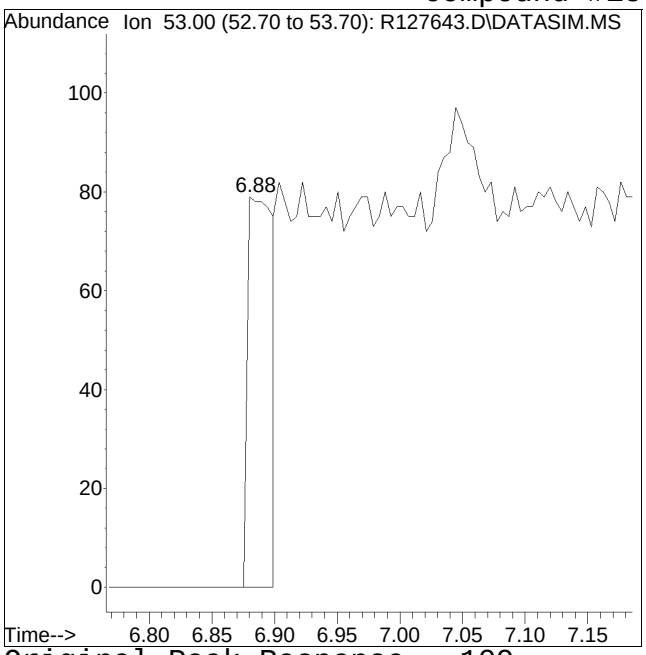


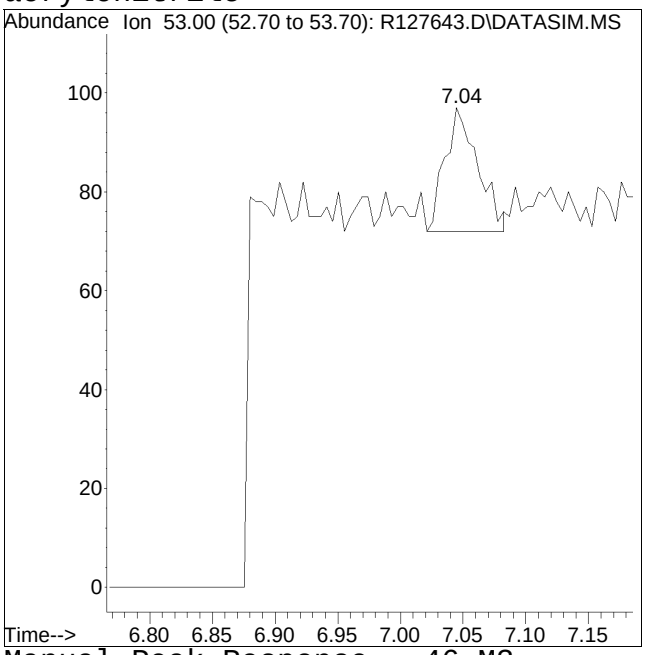
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127643.D
Date Inj'd : 4/12/2013 6:13 pm
Sample : L1306330-11,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:17 pm

Compound #15: acrylonitrile





Original Peak Response = 109 Manual Peak Response = 46 M3

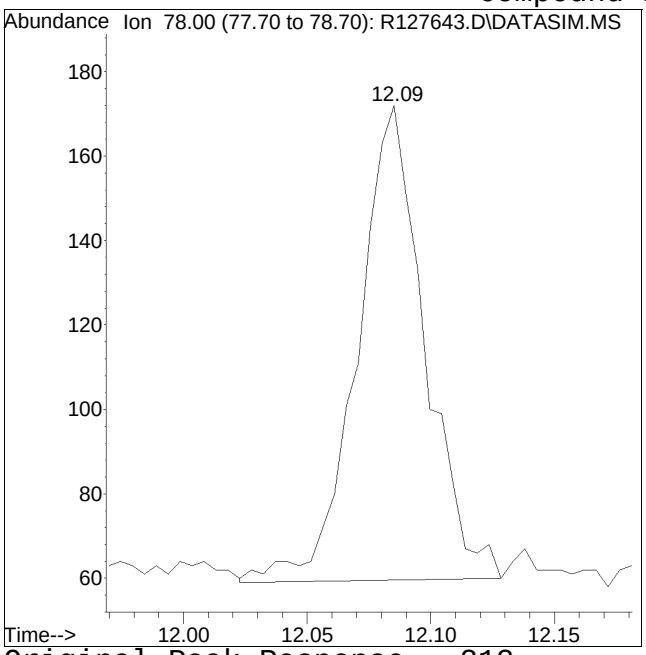
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

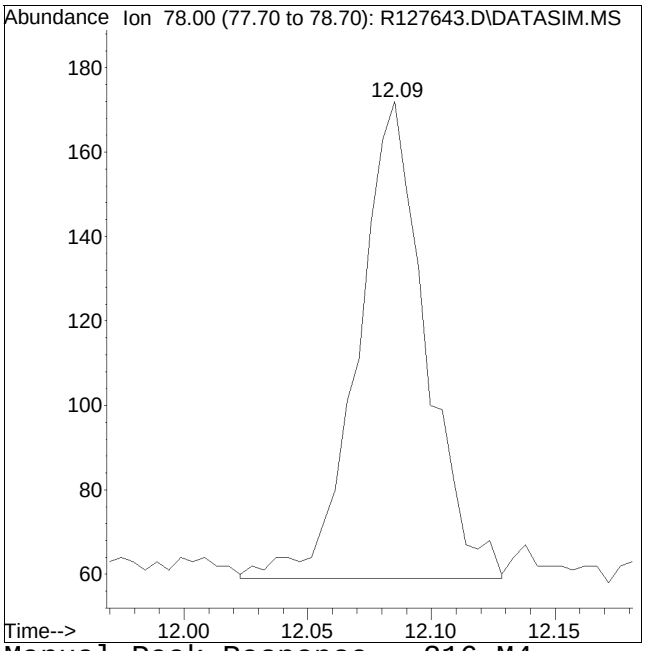
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127643.D
Date Inj'd : 4/12/2013 6:13 pm
Sample : L1306330-11,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:17 pm

Compound #36: benzene



Original Peak Response = 212



Manual Peak Response = 216 M4

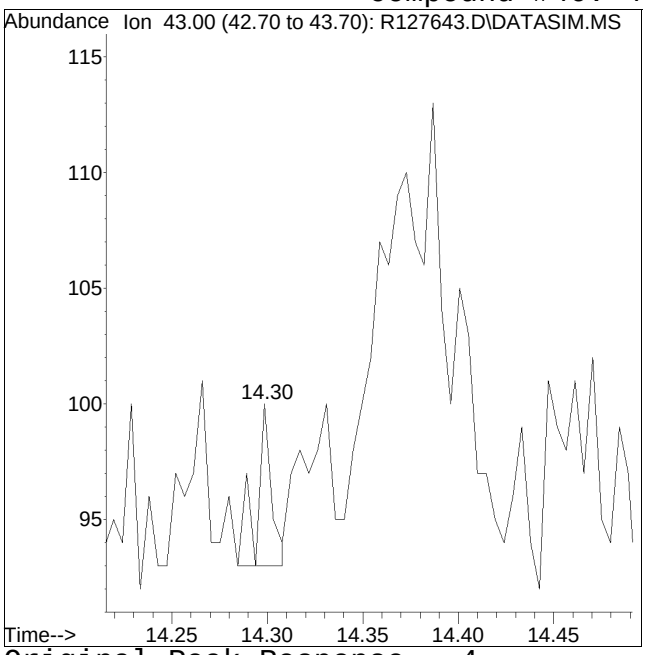
M4 = Poor automated baseline construction.

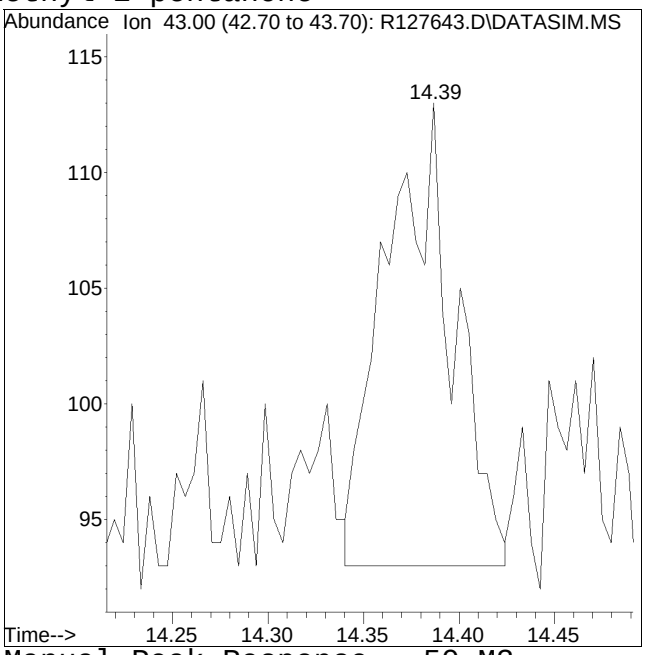
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127643.D
Date Inj'd : 4/12/2013 6:13 pm
Sample : L1306330-11,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:17 pm

Compound #46: 4-methyl-2-pentanone





Original Peak Response = 4 Manual Peak Response = 50 M3

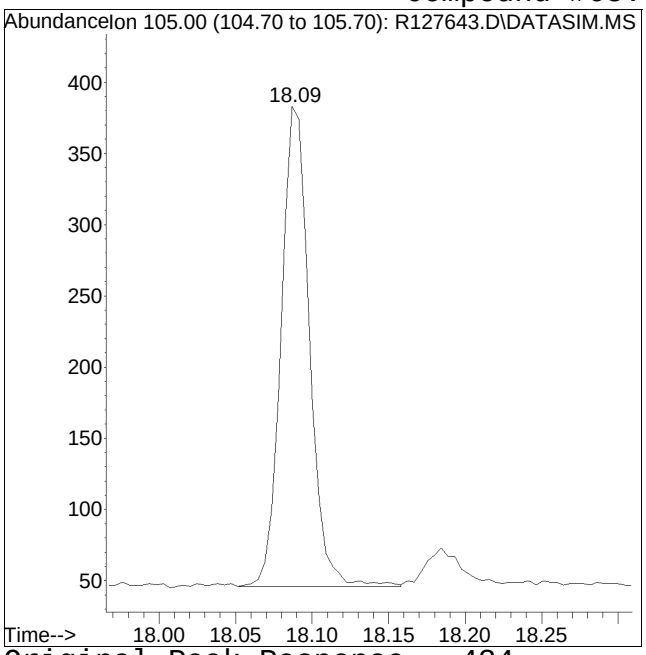
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

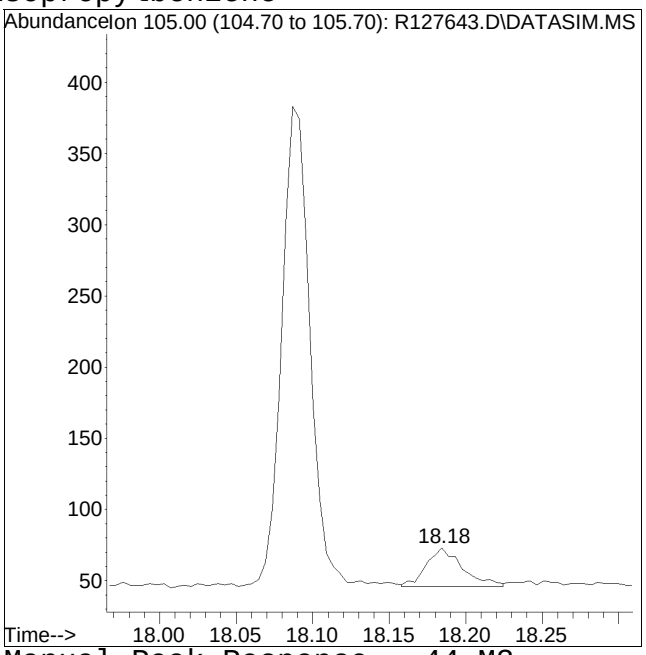
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127643.D
Date Inj'd : 4/12/2013 6:13 pm
Sample : L1306330-11,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:17 pm

Compound #65: isopropylbenzene



Original Peak Response = 434



Manual Peak Response = 44 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127644.D
Acq On : 12 Apr 2013 6:45 pm
Operator : AIRPIANO1:MB
Sample : L1306330-05,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 09:30:05 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	242492	10.000	ppbV	0.00
Standard Area = 268822			Recovery =		90.21%	
32) 1,4-difluorobenzene	12.49	114	536136	10.000	ppbV	0.00
Standard Area = 547088			Recovery =		98.00%	
49) chlorobenzene-D5	16.90	54	131173	10.000	ppbV	0.00
Standard Area = 132720			Recovery =		98.83%	
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13695	0.436	ppbV	99
4) chloromethane	4.40	50	11251	0.681	ppbV	100
5) Freon-114	4.55	85	512	0.015	ppbV	94
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	487M4	0.043	ppbV	
8) bromomethane	5.29	94	126M3	0.010	ppbV	
9) chloroethane	5.55	64	52	0.008	ppbV #	1
12) acetone	6.40	43	126278	4.813	ppbV #	98
13) trichlorofluoromethane	6.62	101	8256	0.219	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	7.40		0	N.D.		
17) methylene chloride	7.64		0	N.D.		
20) Freon 113	7.99	101	1840	0.070	ppbV	98
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	9.18		0	N.D.		
26) 2-butanone	9.58	43	11902	0.289	ppbV	97
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	497	0.018	ppbV #	84
31) 1,2-dichloroethane	11.28	62	368	0.017	ppbV #	68
35) 1,1,1-trichloroethane	11.56		0	N.D.		
36) benzene	12.08	78	5445	0.129	ppbV	99
37) carbon tetrachloride	12.26	117	2961	0.094	ppbV	98
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	13.22		0	N.D.		
42) trichloroethene	13.28		0	N.D.		
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.35		0	N.D.		
47) trans-1,3-dichloropropene	14.84		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127644.D
Acq On : 12 Apr 2013 6:45 pm
Operator : AIRPIANO1:MB
Sample : L1306330-05,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 09:30:05 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

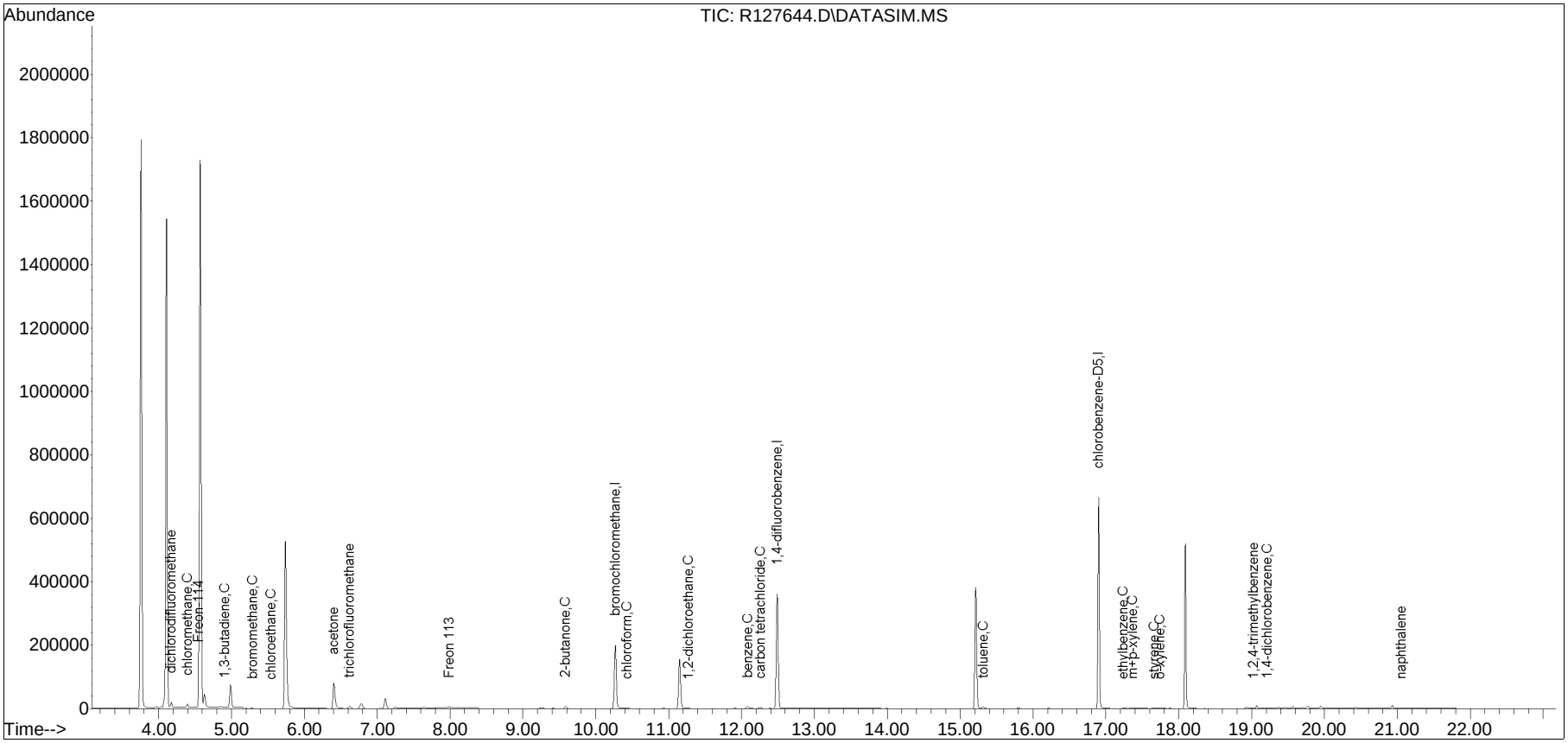
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.32	91	4928M4	0.093	ppbV	
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.86		0	N.D.		
55) tetrachloroethene	16.37		0	N.D.		
56) 1,1,1,2-tetrachloroethane	0.00		0	N.D.	d	
57) chlorobenzene	16.94		0	N.D.		
58) ethylbenzene	17.24	91	1224	0.018	ppbV	91
59) m+p-xylene	17.36	91	2197	0.041	ppbV	99
60) bromoform	17.46		0	N.D.		
61) styrene	17.67	104	540	0.013	ppbV #	87
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.		
63) o-xylene	17.74	91	808	0.015	ppbV	89
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.67		0	N.D.		
67) 1,3,5-trimethylbenzene	18.72		0	N.D.		
69) 1,2,4-trimethylbenzene	19.03	105	707	0.011	ppbV #	59
71) 1,3-dichlorobenzene	19.17		0	N.D.		
72) 1,4-dichlorobenzene	19.21	146	2350	0.046	ppbV #	87
73) sec-butylbenzene	19.23		0	N.D.		
74) p-isopropyltoluene	19.34		0	N.D.		
75) 1,2-dichlorobenzene	19.48		0	N.D.		
76) n-butylbenzene	19.63		0	N.D.		
77) 1,2,4-trichlorobenzene	20.93		0	N.D.		
78) naphthalene	21.06	128	1183	0.012	ppbV #	86
79) 1,2,3-trichlorobenzene	21.31		0	N.D.		
80) hexachlorobutadiene	21.36		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

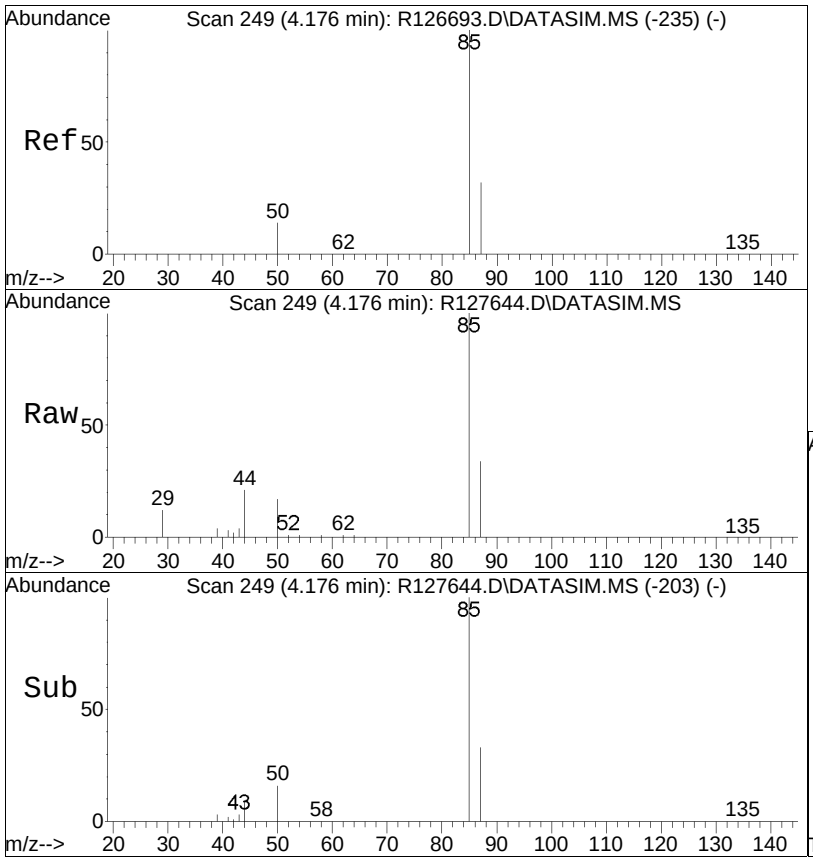
Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127644.D
Acq On : 12 Apr 2013 6:45 pm
Operator : AIRPIANO1:MB
Sample : L1306330-05,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 09:30:05 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration



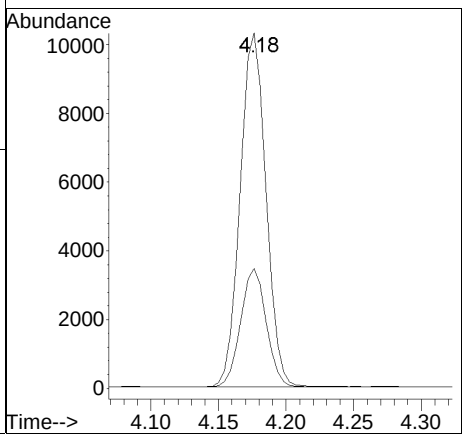
TSIM130402.M Tue Apr 16 22:25:59 2013 Page 3

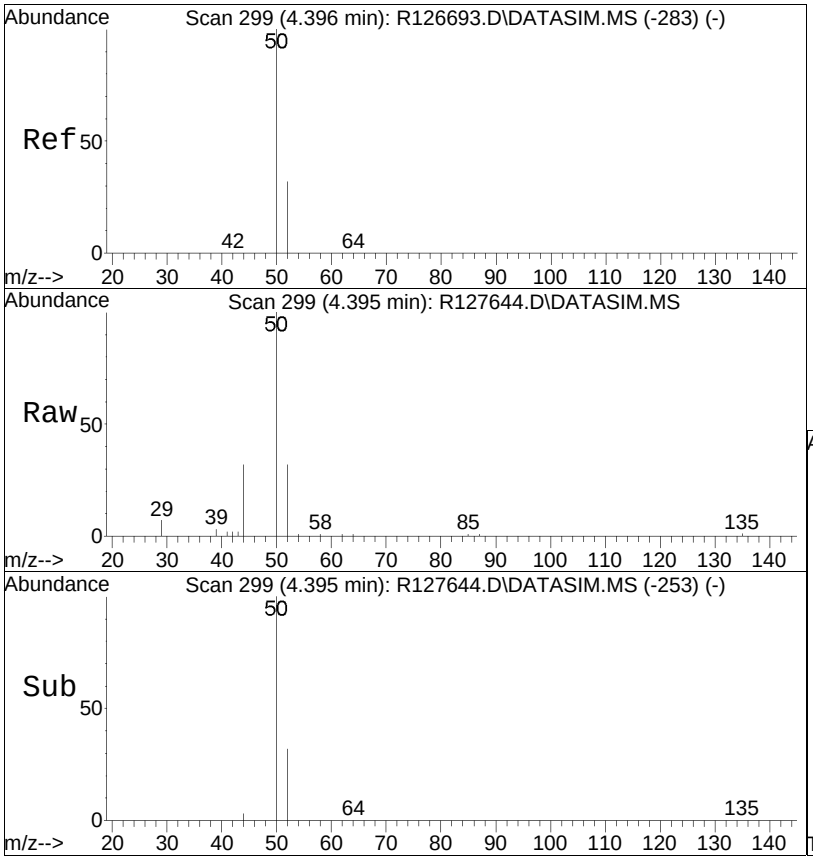


#3
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 85 Resp: 13695

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.6	40.0

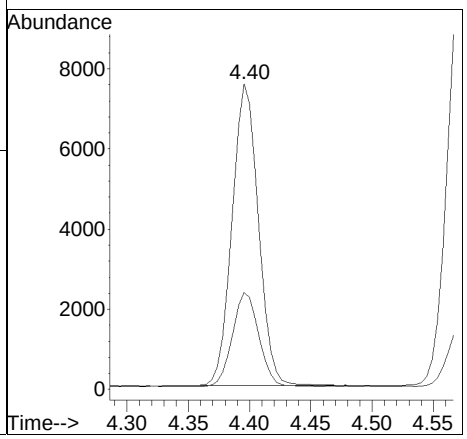


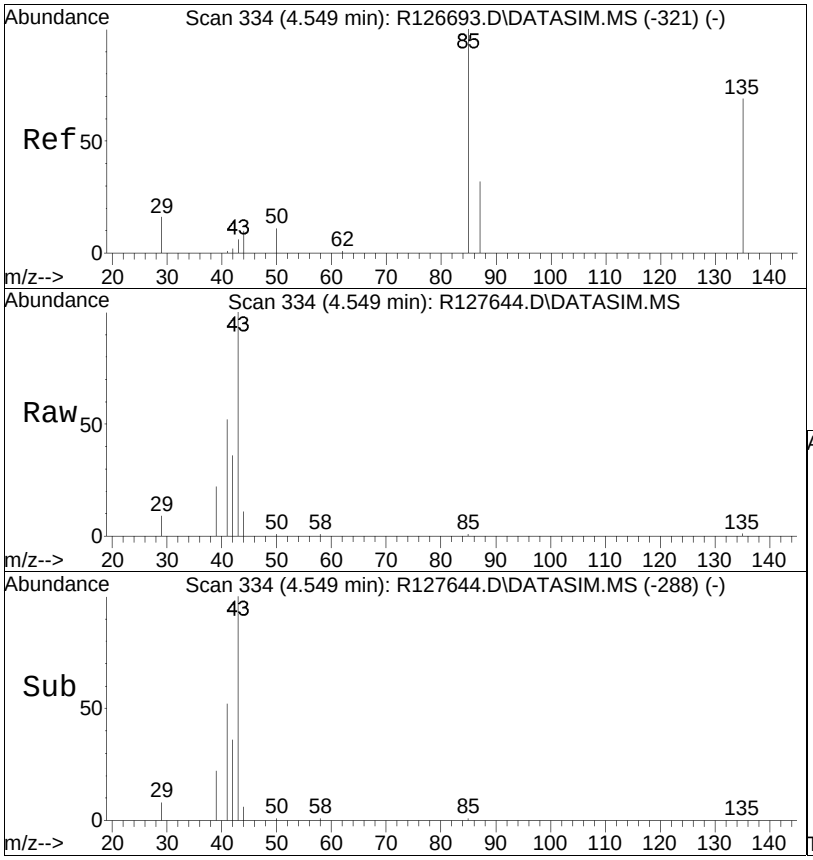


#4
chloromethane
Concen: 0.68 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 50 Resp: 11251

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.3	37.9

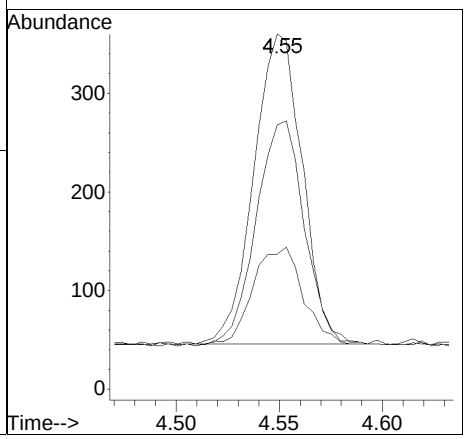


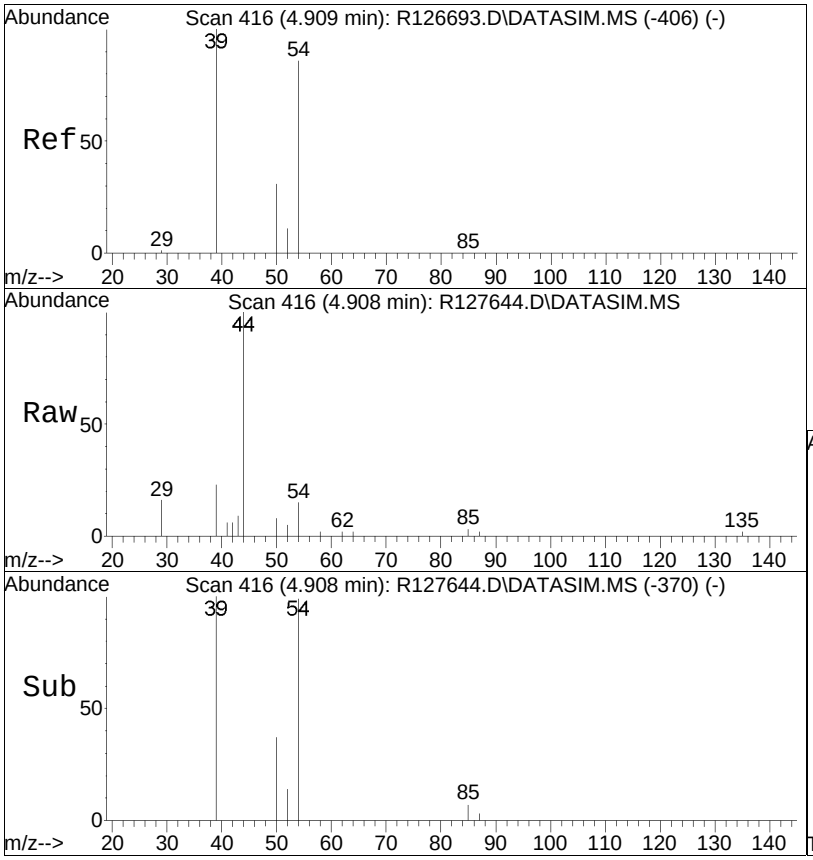


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 85 Resp: 512

Ion	Ratio	Lower	Upper
85	100		
87	38.1	26.5	39.7
135	74.4	56.9	85.3

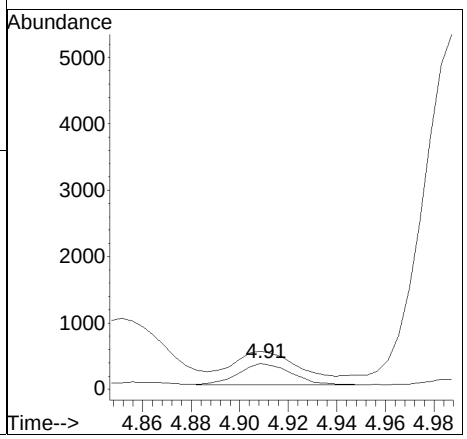


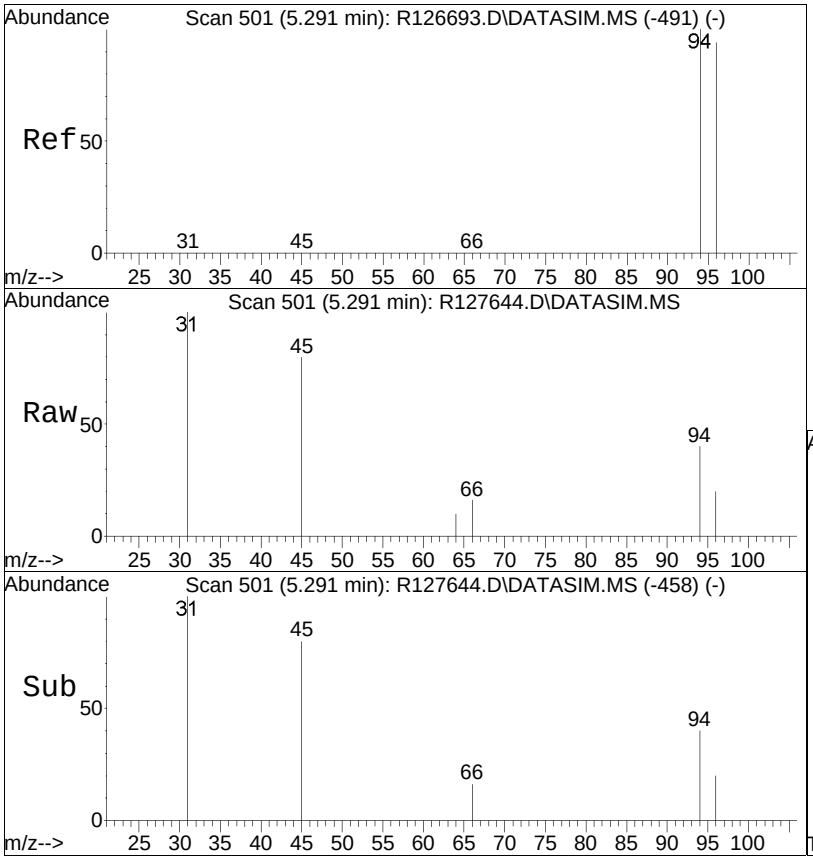


#7
1,3-butadiene
Concen: 0.04 ppbV m
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 54 Resp: 487

Ion	Ratio	Lower	Upper
54	100		
39	148.1	92.4	138.6#

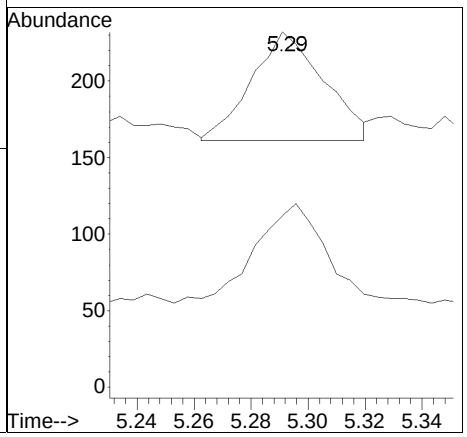


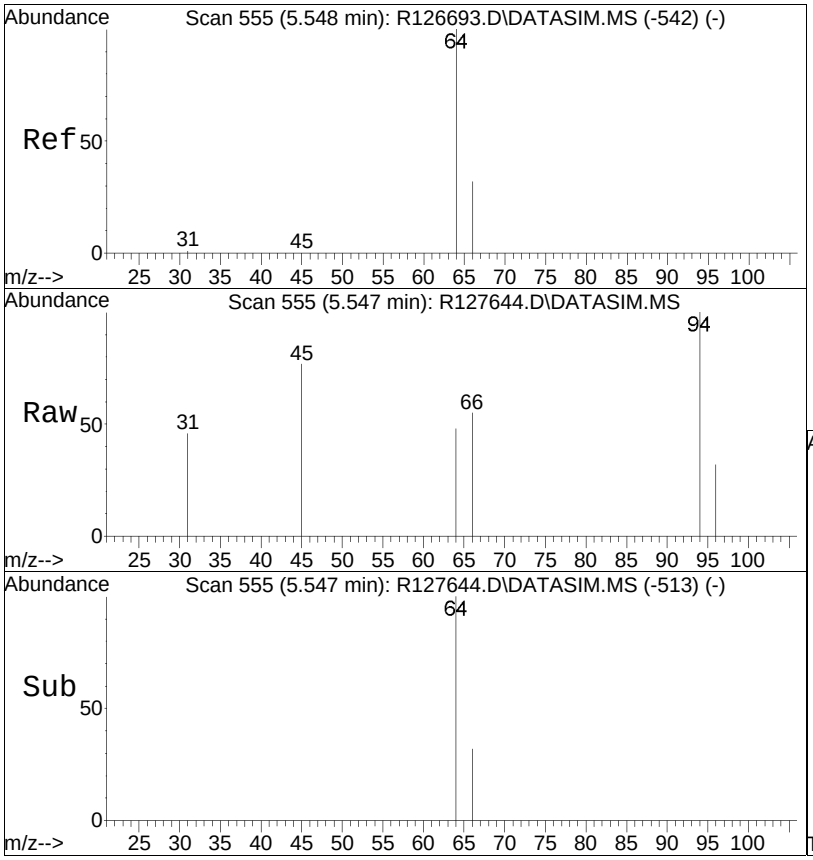


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 94 Resp: 126

Ion	Ratio	Lower	Upper
94	100		
96	48.3	76.9	115.3#

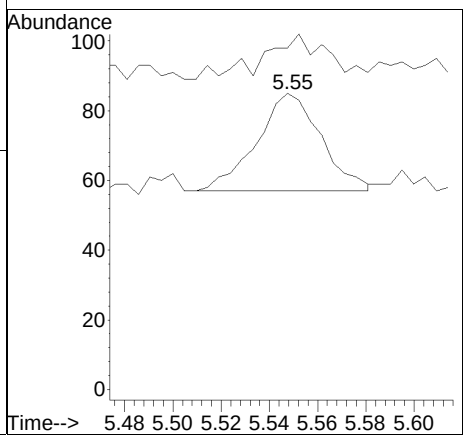


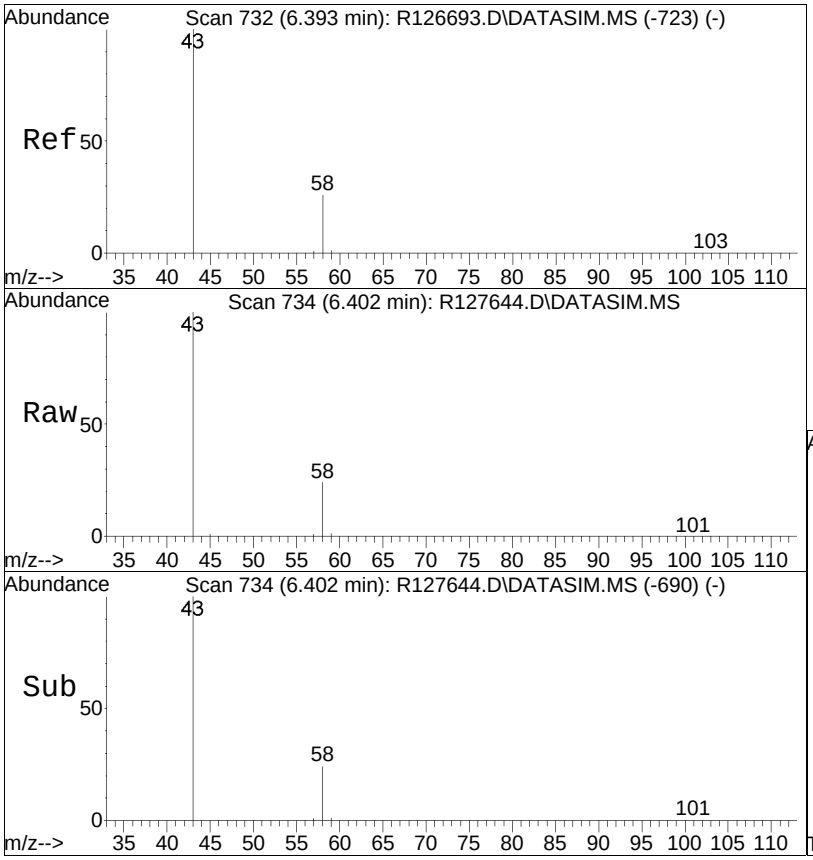


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 64 Resp: 52

Ion	Ratio	Lower	Upper
64	100		
66	115.3	25.5	38.3#

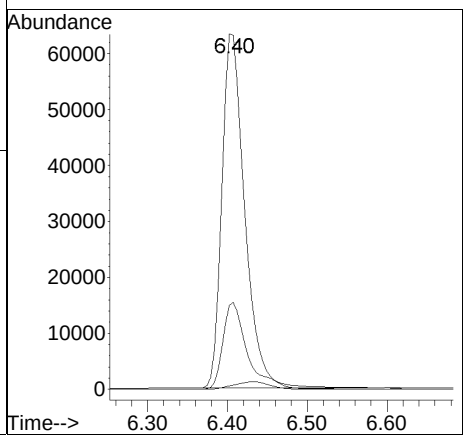


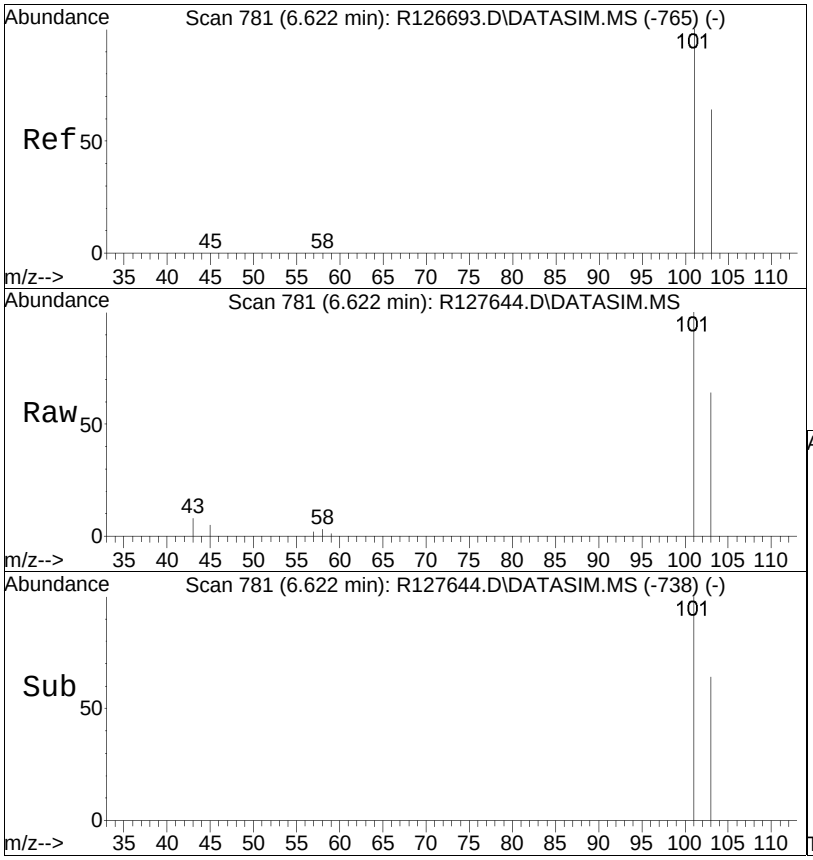


#12
acetone
Concen: 4.81 ppbV
RT: 6.40 min Scan# 734
Delta R.T. 0.009 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 43 Resp: 126278

Ion	Ratio	Lower	Upper
43	100		
58	23.7	20.0	30.0
57	1.0	0.6	1.0#

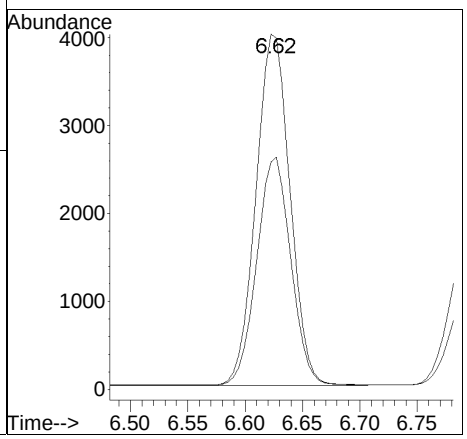


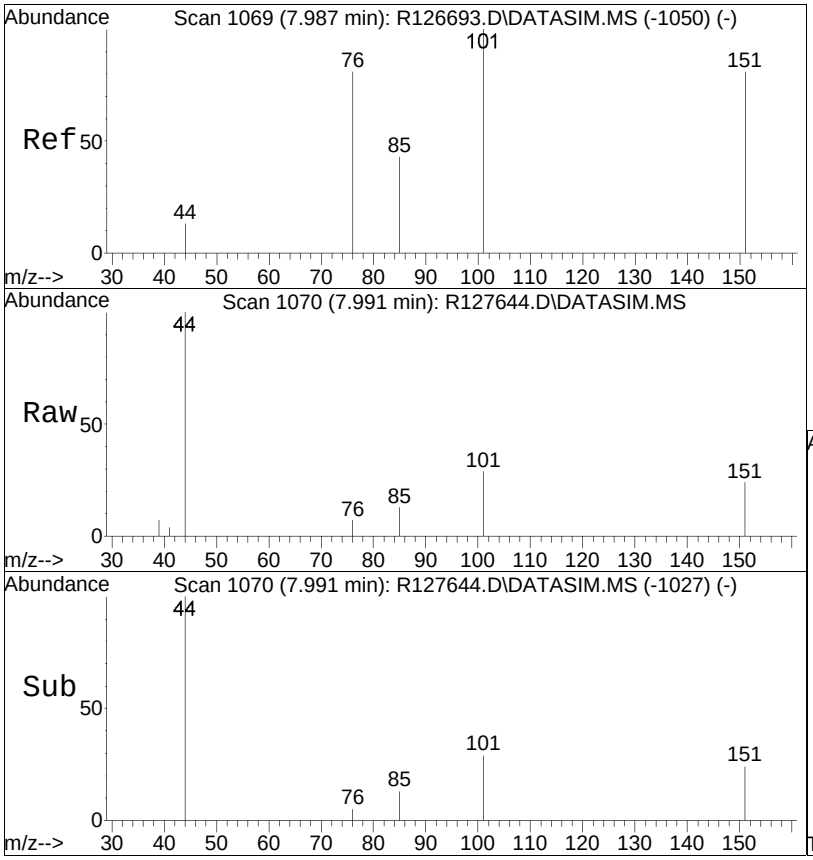


#13
trichlorofluoromethane
Concen: 0.22 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:101 Resp: 8256

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

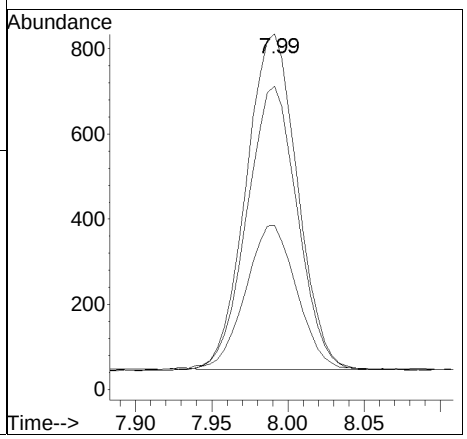


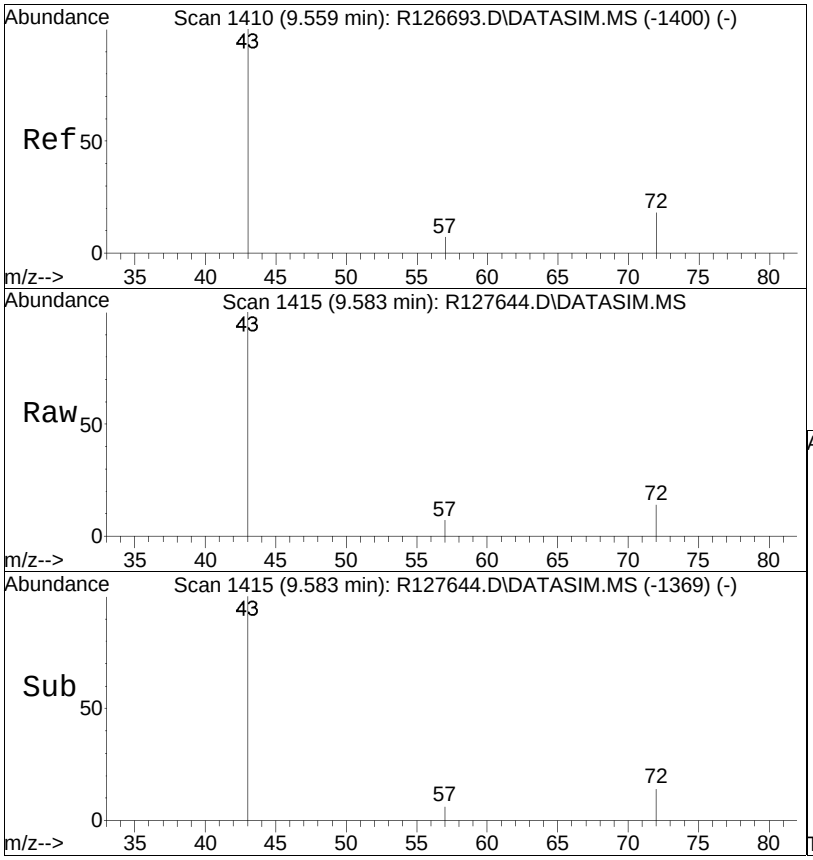


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:101 Resp: 1840

Ion	Ratio	Lower	Upper
101	100		
85	46.1	34.2	51.2
151	85.3	67.8	101.8

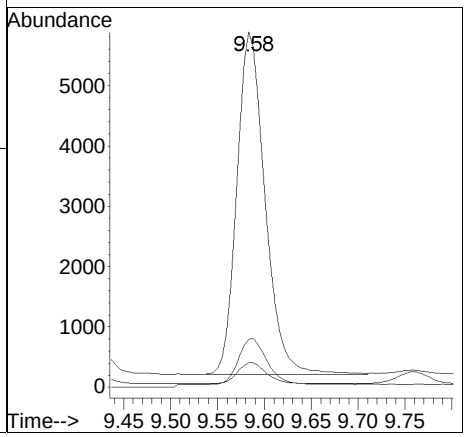


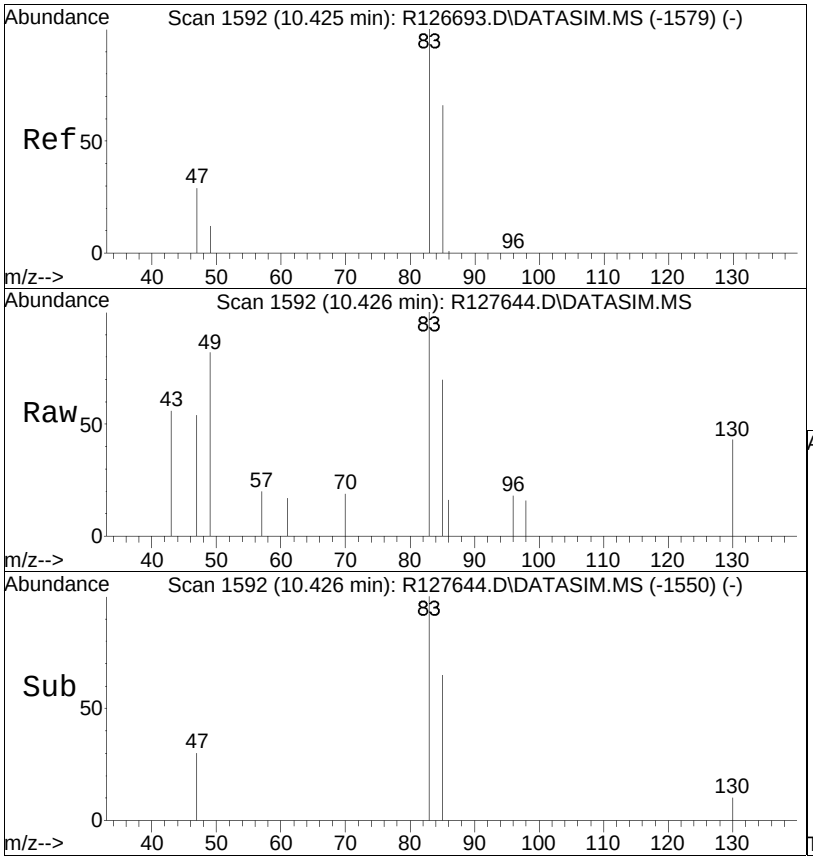


#26
2-butanone
Concen: 0.29 ppbV
RT: 9.58 min Scan# 1415
Delta R.T. 0.019 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 43 Resp: 11902

Ion	Ratio	Lower	Upper
43	100		
72	13.5	12.0	18.0
57	6.9	5.2	7.8

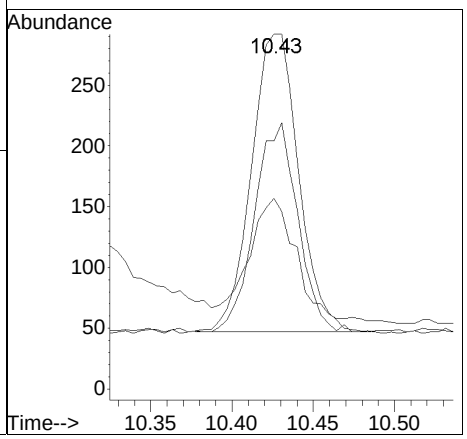


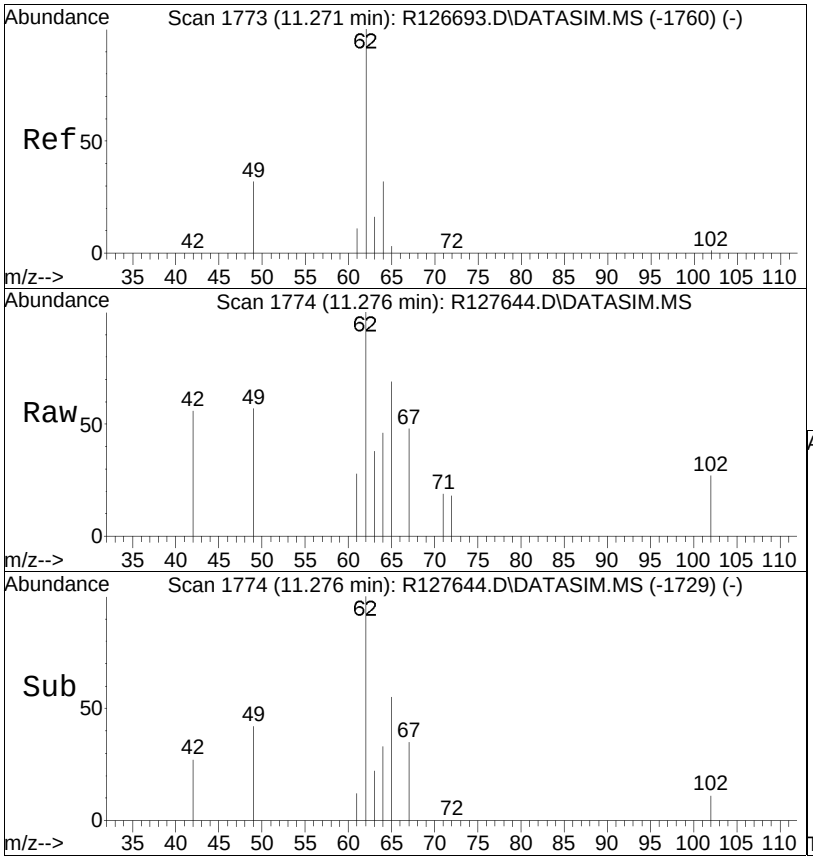


#29
chloroform
Concen: 0.02 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 83 Resp: 497

Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.2	78.2
47	53.8	26.4	39.6#

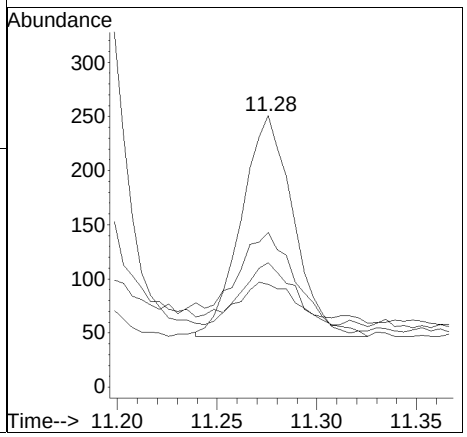


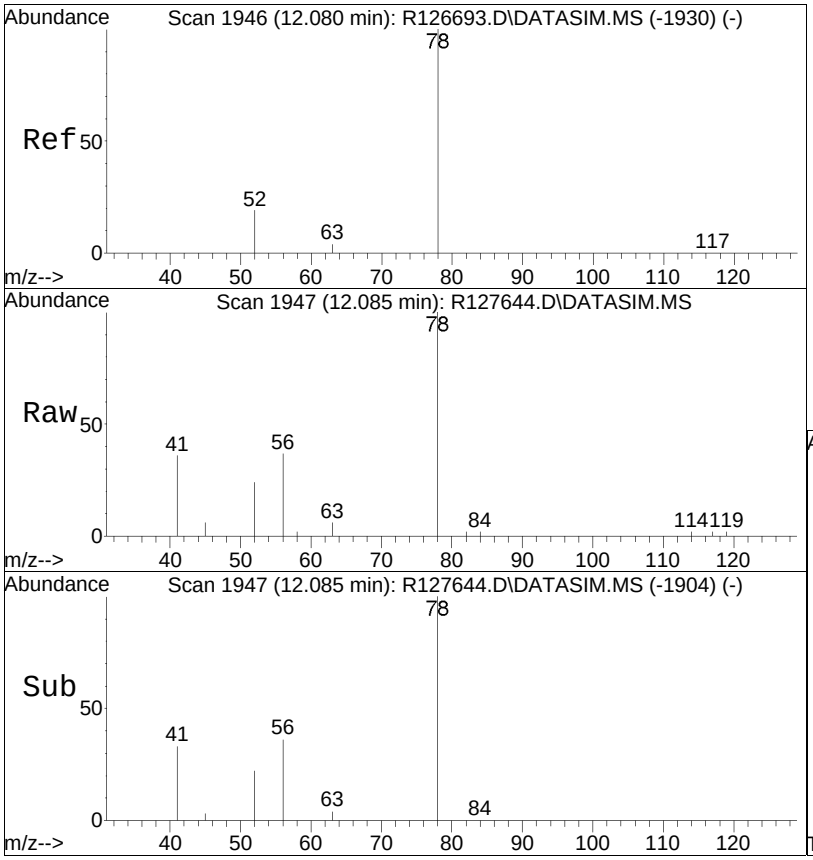


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 62 Resp: 368

Ion	Ratio	Lower	Upper
62	100		
64	45.8	25.0	37.6#
49	57.0	31.2	46.8#
63	37.8	13.3	19.9#

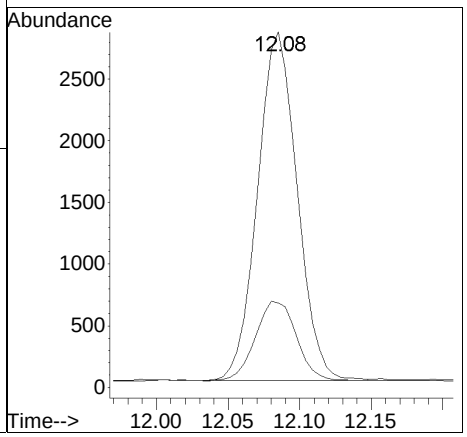


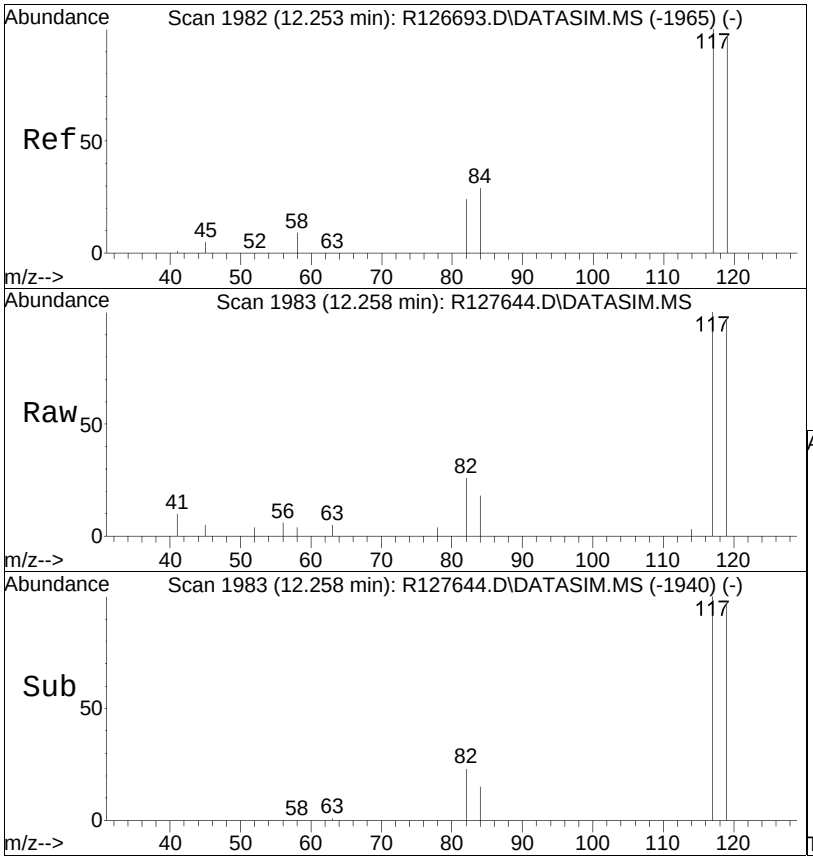


#36
benzene
Concen: 0.13 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 78 Resp: 5445

Ion	Ratio	Lower	Upper
78	100		
52	23.8	18.5	27.7

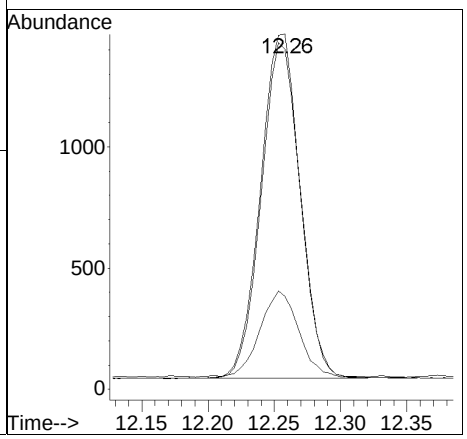


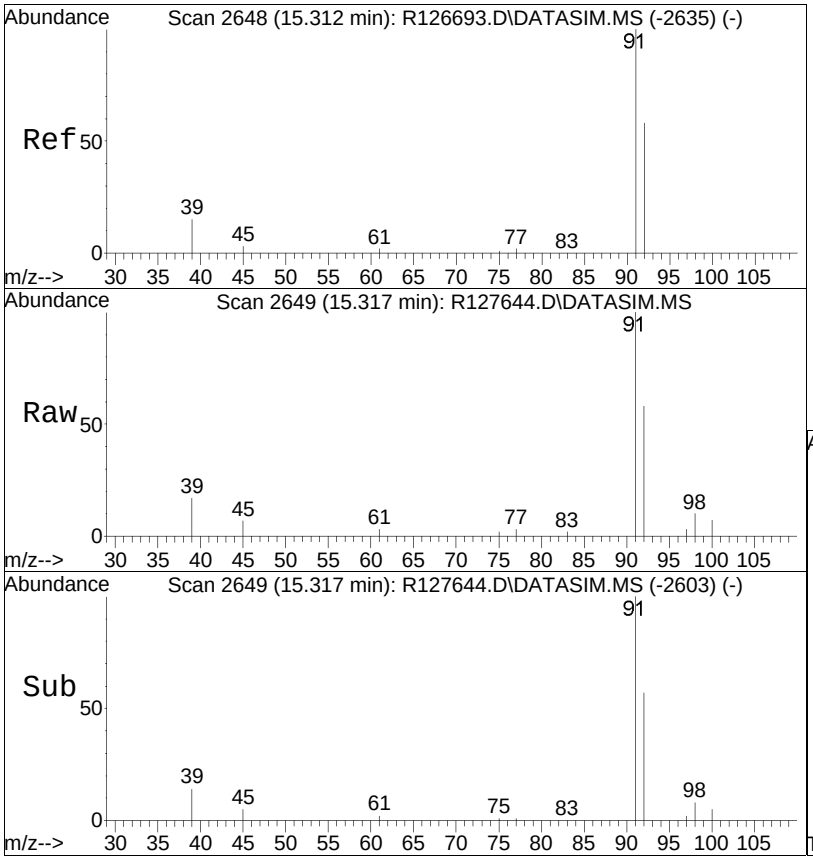


#37
carbon tetrachloride
Concen: 0.09 ppbV
RT: 12.26 min Scan# 1983
Delta R.T. 0.005 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:117 Resp: 2961

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.4	116.0
82	26.2	18.2	27.2

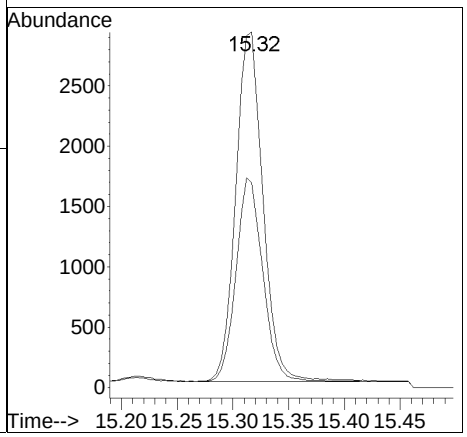


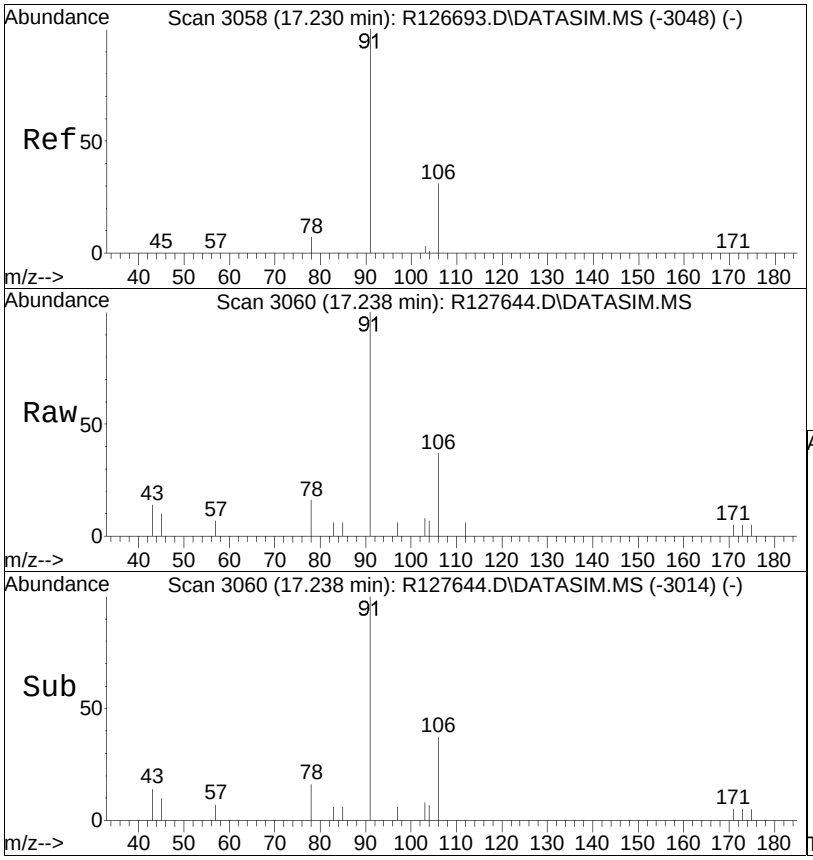


#50
toluene
Concen: 0.09 ppbV m
RT: 15.32 min Scan# 2649
Delta R.T. 0.009 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 91 Resp: 4928

Ion	Ratio	Lower	Upper
91	100		
92	57.6	46.4	69.6

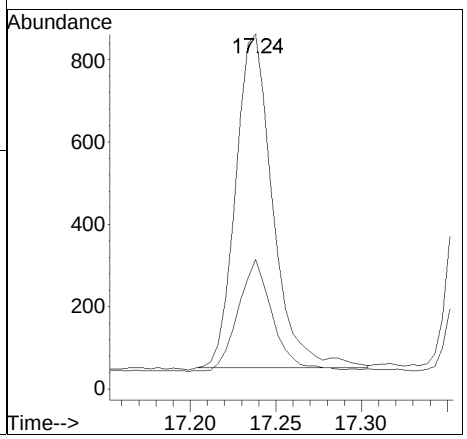


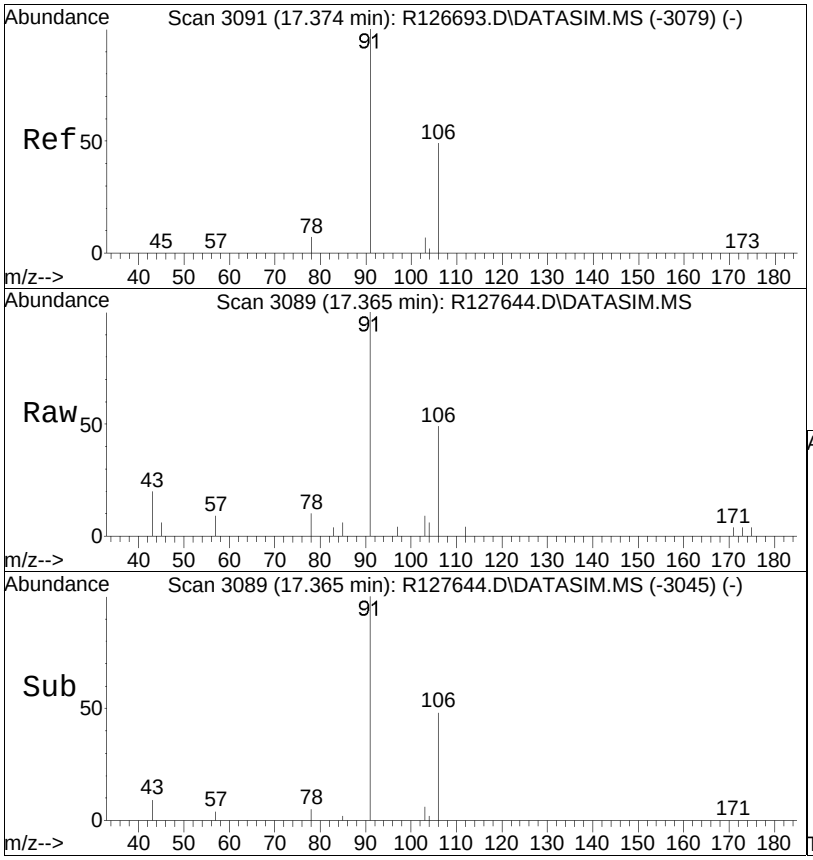


#58
ethylbenzene
Concen: 0.02 ppbV
RT: 17.24 min Scan# 3060
Delta R.T. 0.008 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 91 Resp: 1224

Ion	Ratio	Lower	Upper
91	100		
106	36.6	25.3	37.9

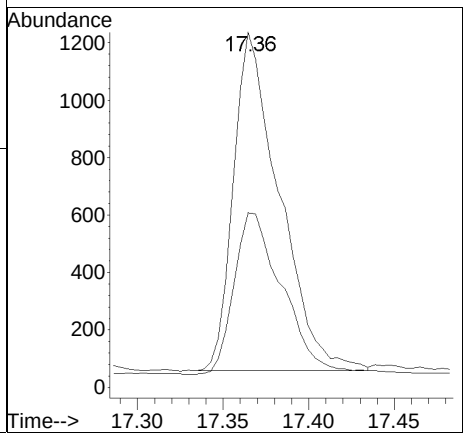


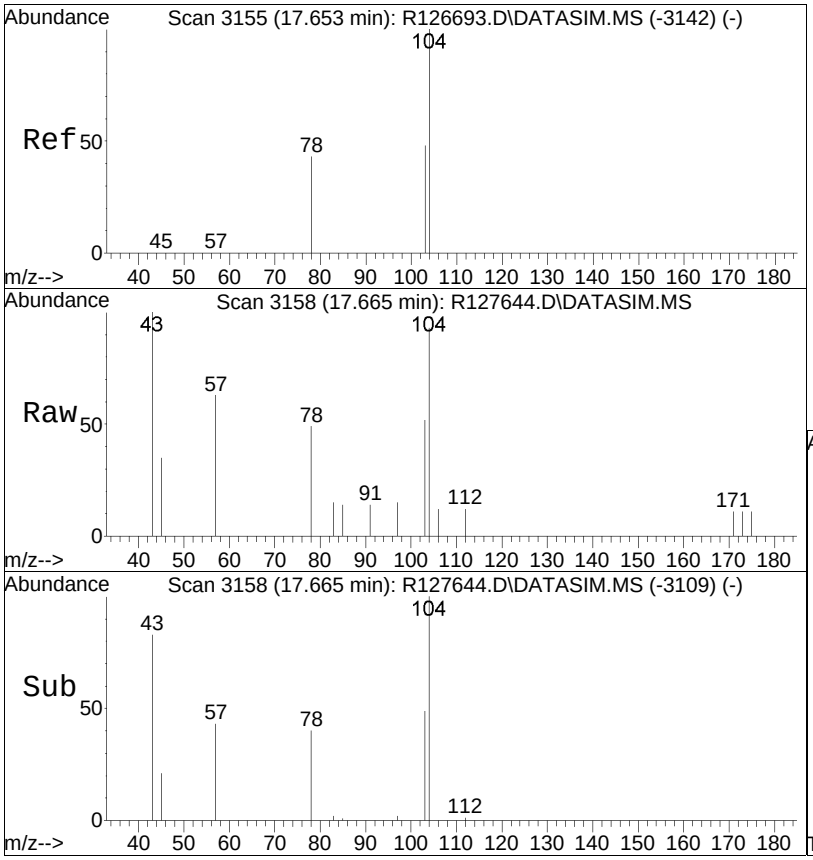


#59
m+p-xylene
Concen: 0.04 ppbV
RT: 17.36 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 91 Resp: 2197

Ion	Ratio	Lower	Upper
91	100		
106	49.2	40.0	60.0

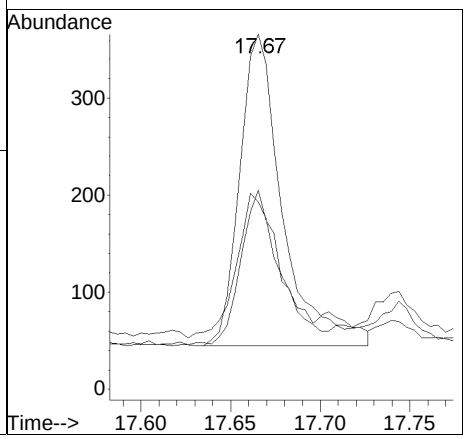


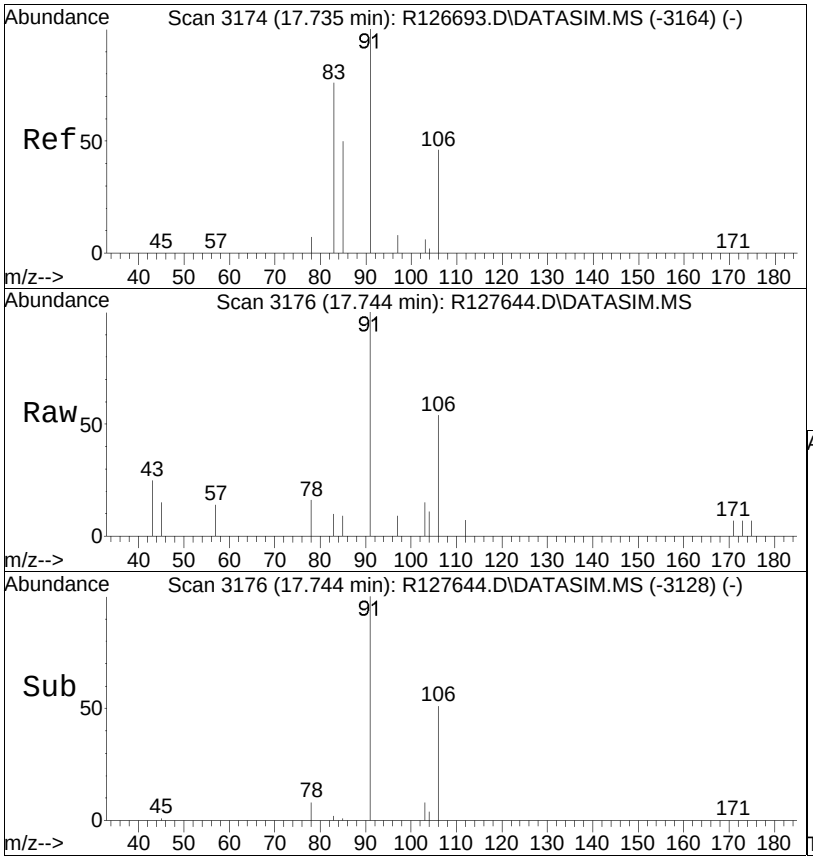


#61
styrene
Concen: 0.01 ppbV
RT: 17.67 min Scan# 3158
Delta R.T. 0.013 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:104 Resp: 540

Ion	Ratio	Lower	Upper
104	100		
103	56.0	38.3	57.5
78	52.7	35.0	52.6#

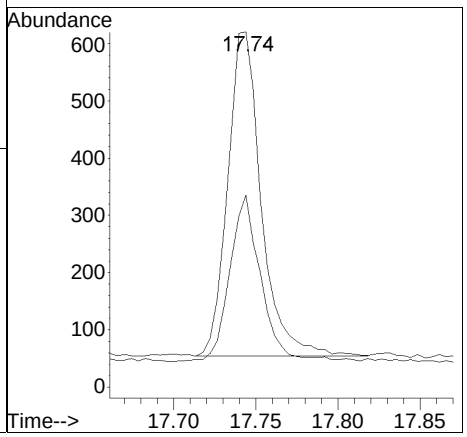


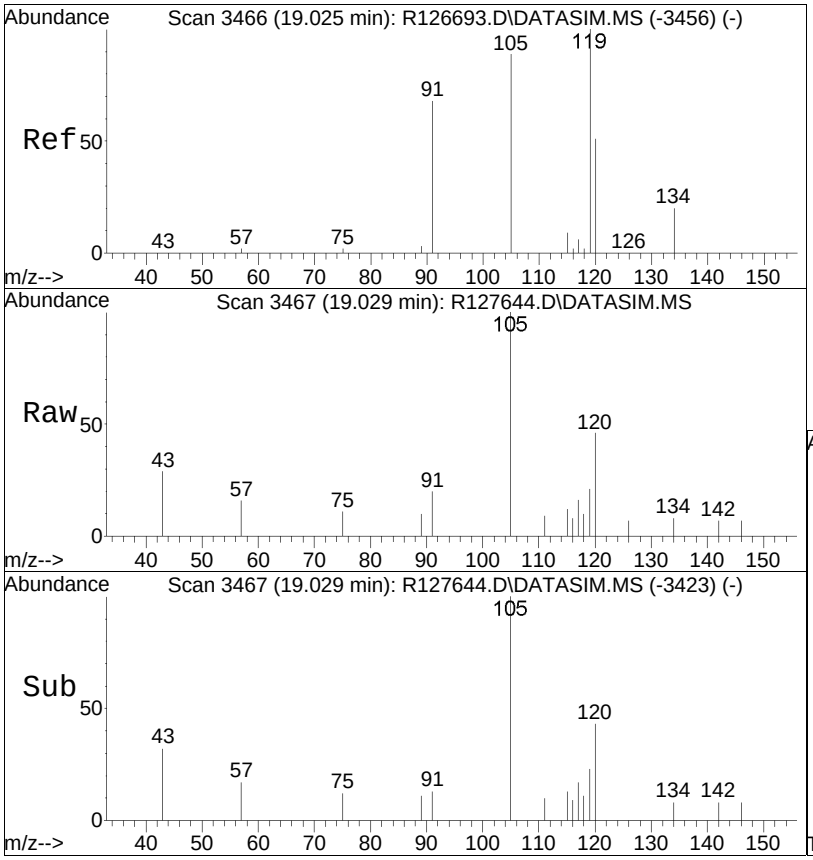


#63
o-xylene
Concen: 0.01 ppbV
RT: 17.74 min Scan# 3176
Delta R.T. 0.008 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion: 91 Resp: 808

Ion	Ratio	Lower	Upper
91	100		
106	54.0	37.1	55.7

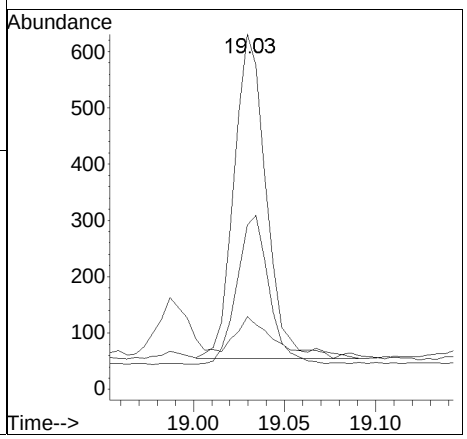


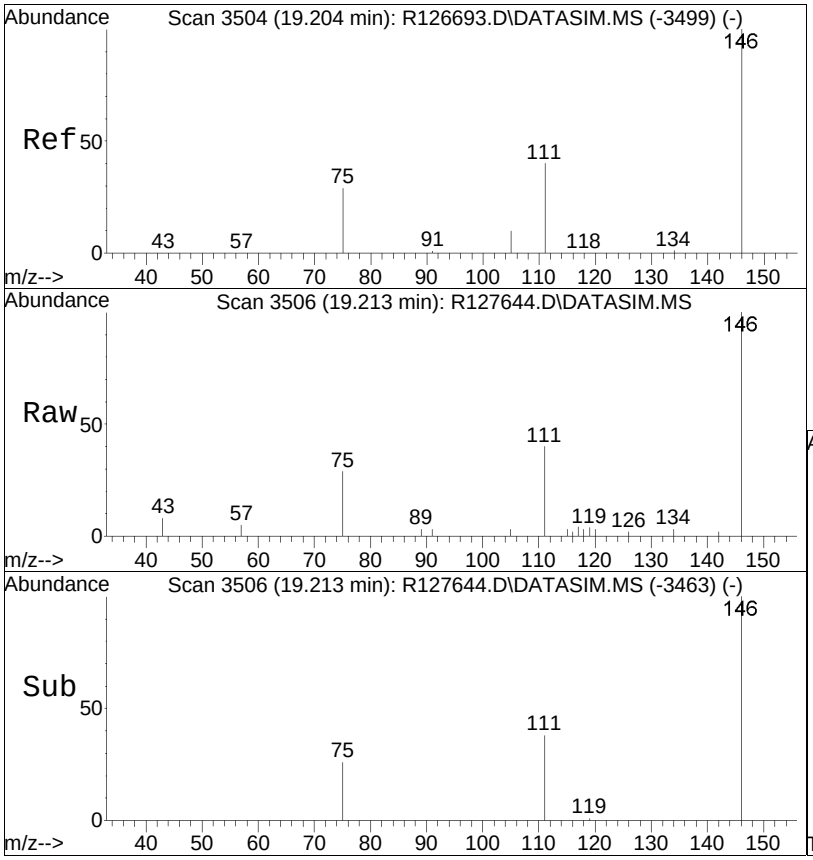


#69
1,2,4-trimethylbenzene
Concen: 0.01 ppbV
RT: 19.03 min Scan# 3467
Delta R.T. 0.004 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:105 Resp: 707

Ion	Ratio	Lower	Upper
105	100		
120	46.3	44.9	67.3
91	20.4	58.6	88.0#

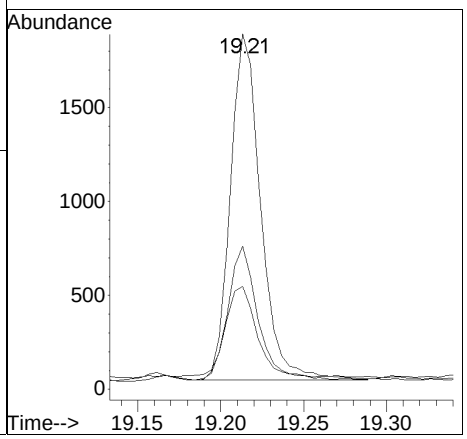


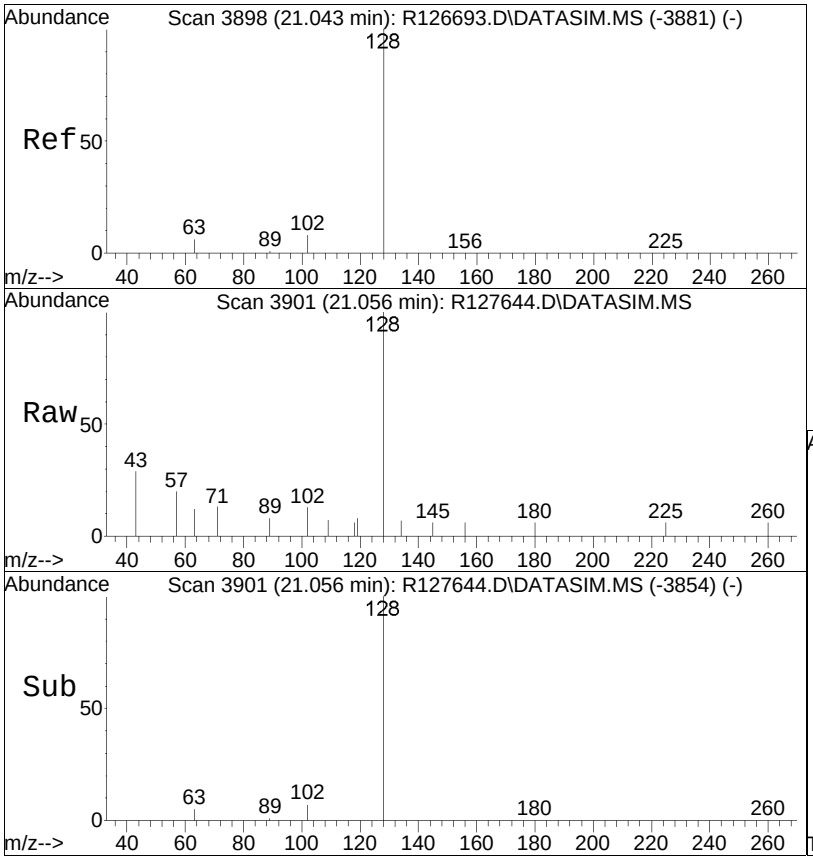


#72
1,4-dichlorobenzene
Concen: 0.05 ppbV
RT: 19.21 min Scan# 3506
Delta R.T. 0.004 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:146 Resp: 2350

Ion	Ratio	Lower	Upper
146	100		
111	40.3	26.4	39.6#
75	29.0	18.0	27.0#

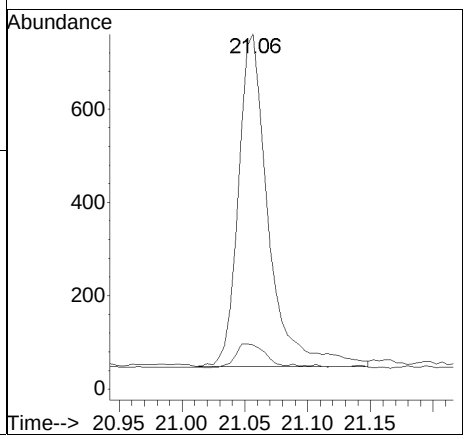




#78
naphthalene
Concen: 0.01 ppbV
RT: 21.06 min Scan# 3901
Delta R.T. 0.013 min
Lab File: R127644.D
Acq: 12 Apr 2013 6:45 pm

Tgt Ion:128 Resp: 1183

Ion	Ratio	Lower	Upper
128	100		
102	12.5	6.2	9.2#

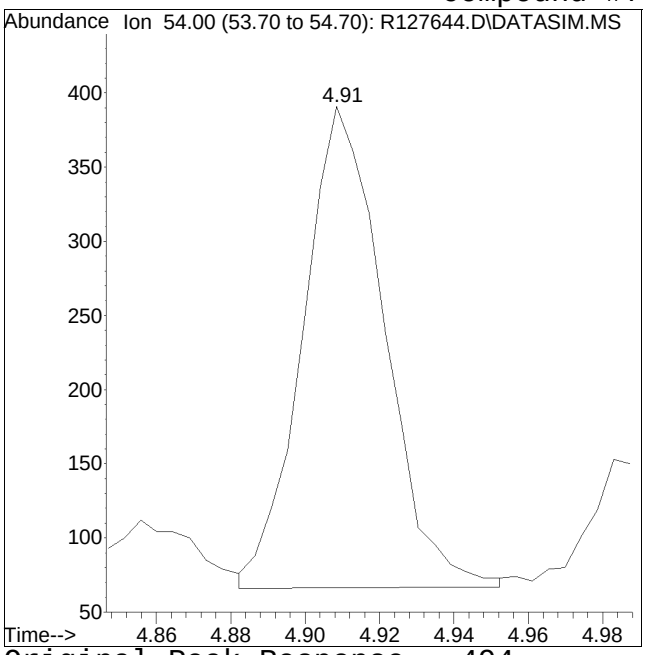


Manual Integration/Negative Proof Report

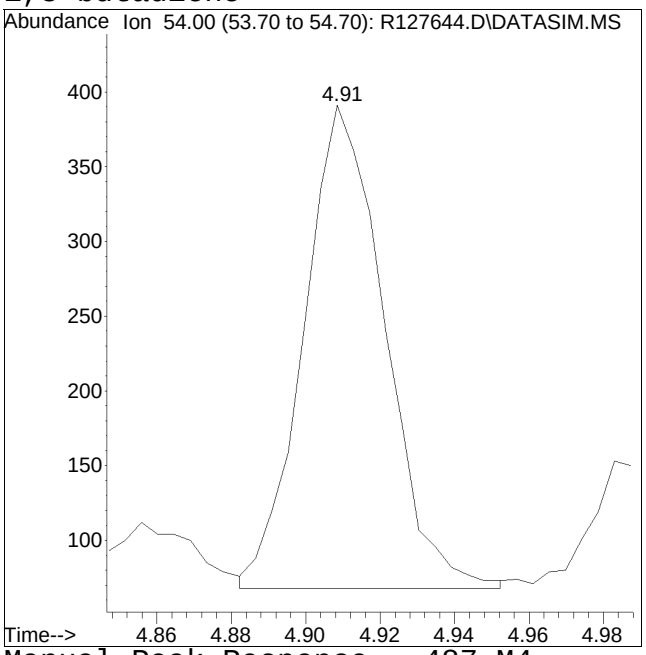
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #7: 1,3-butadiene



Original Peak Response = 494



Manual Peak Response = 487 M4

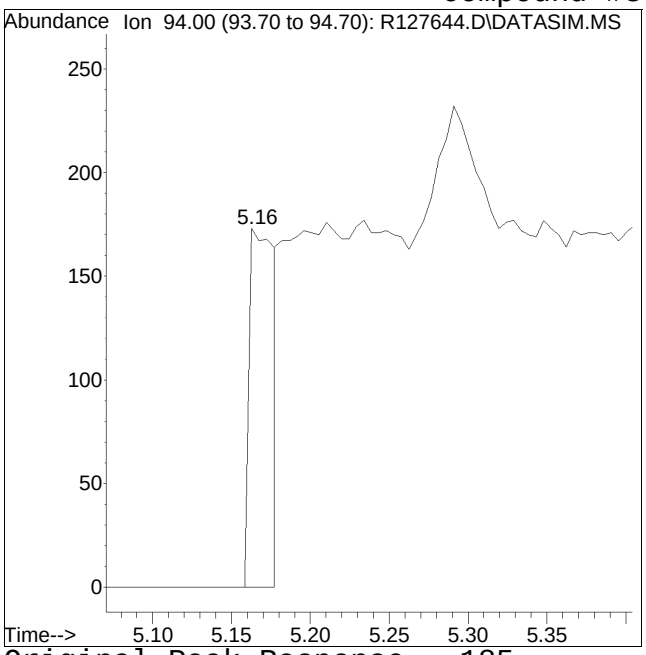
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

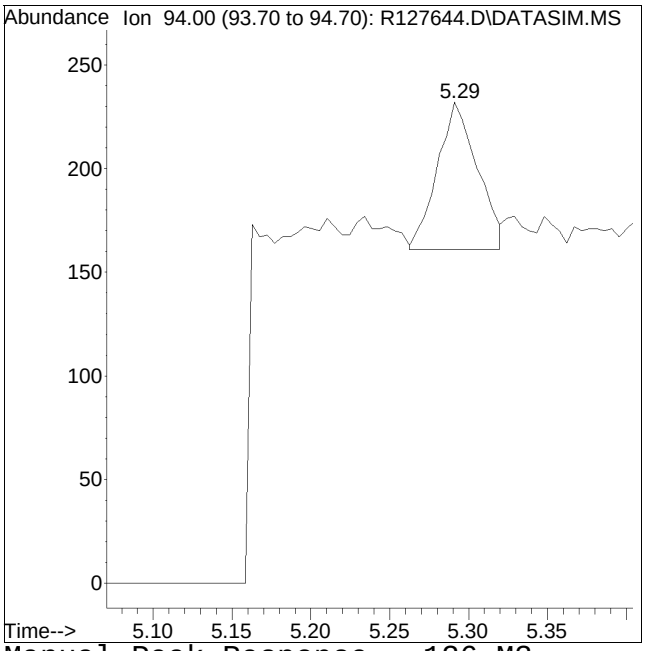
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #8: bromomethane



Original Peak Response = 185



Manual Peak Response = 126 M3

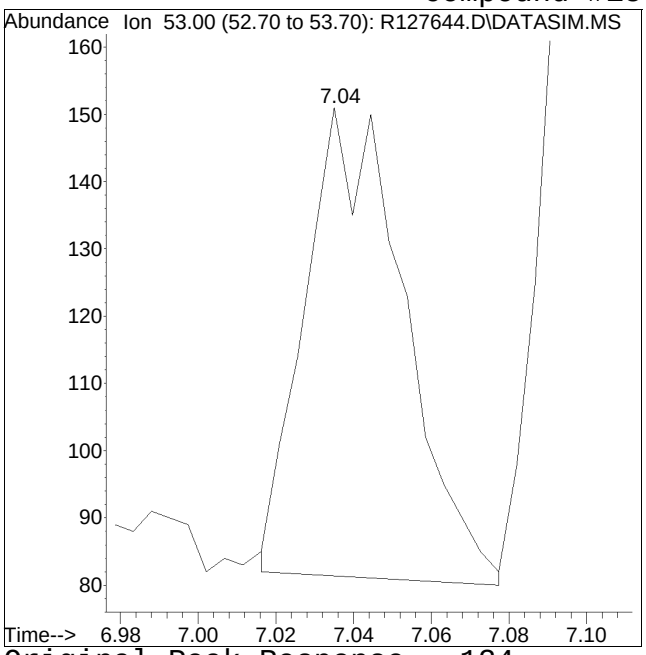
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

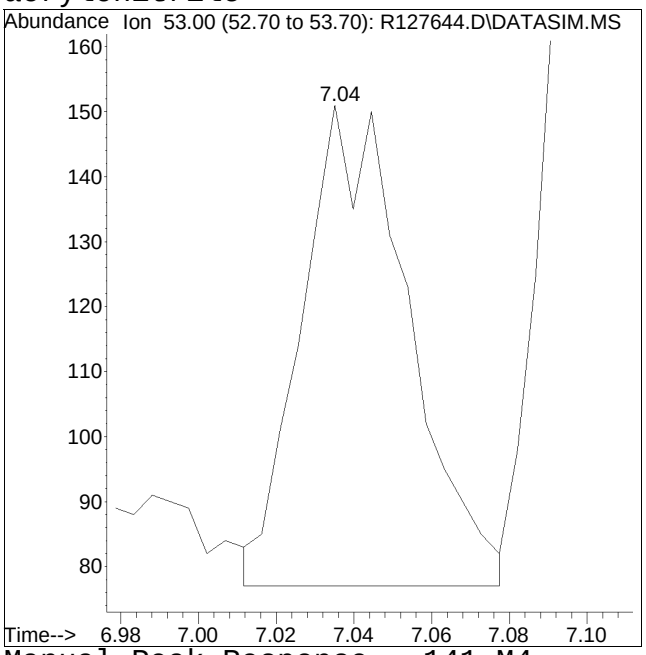
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #15: acrylonitrile



Original Peak Response = 124



Manual Peak Response = 141 M4

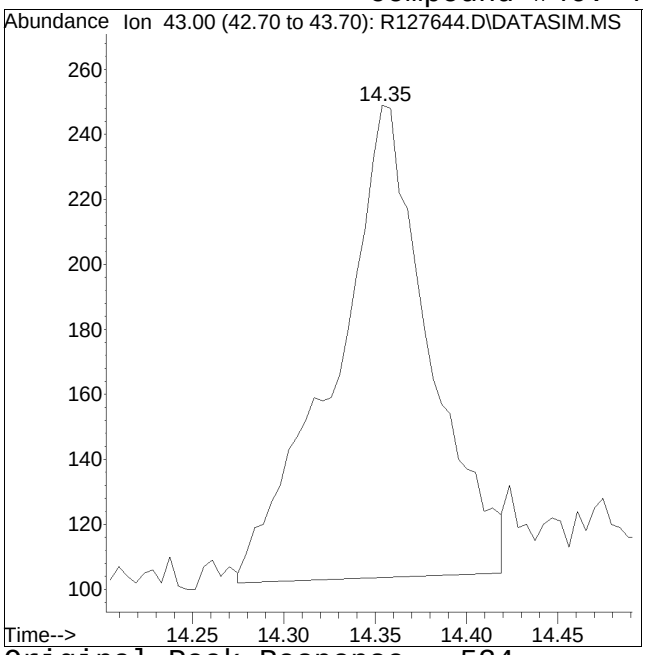
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

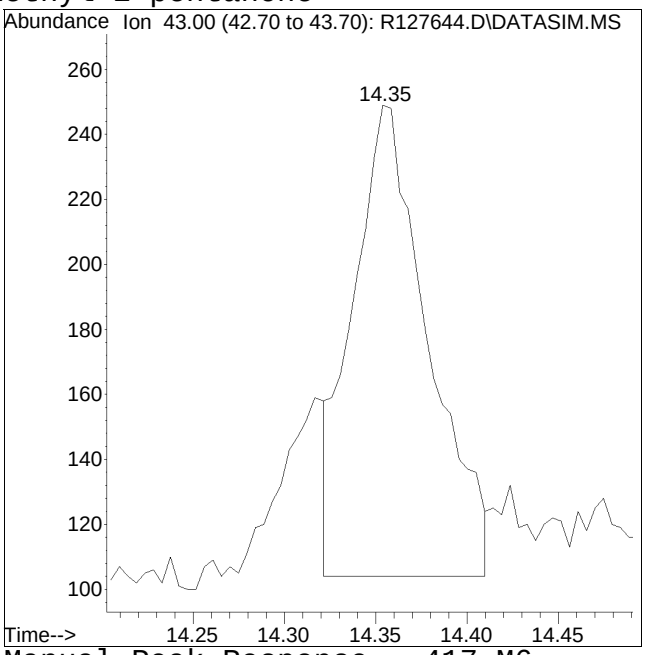
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 524



Manual Peak Response = 417 M6

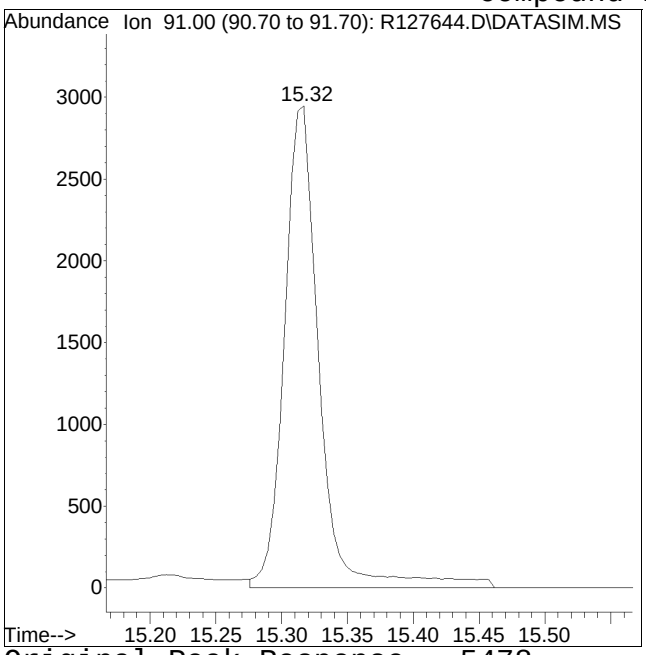
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

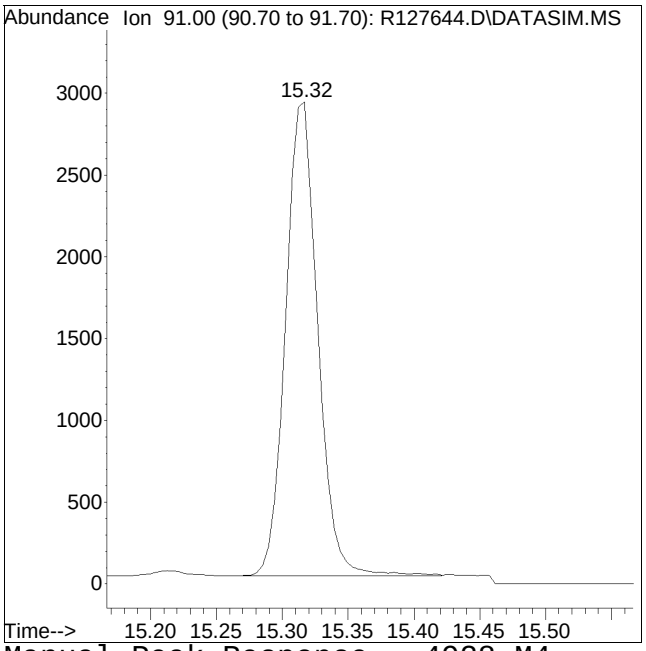
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #50: toluene



Original Peak Response = 5478



Manual Peak Response = 4928 M4

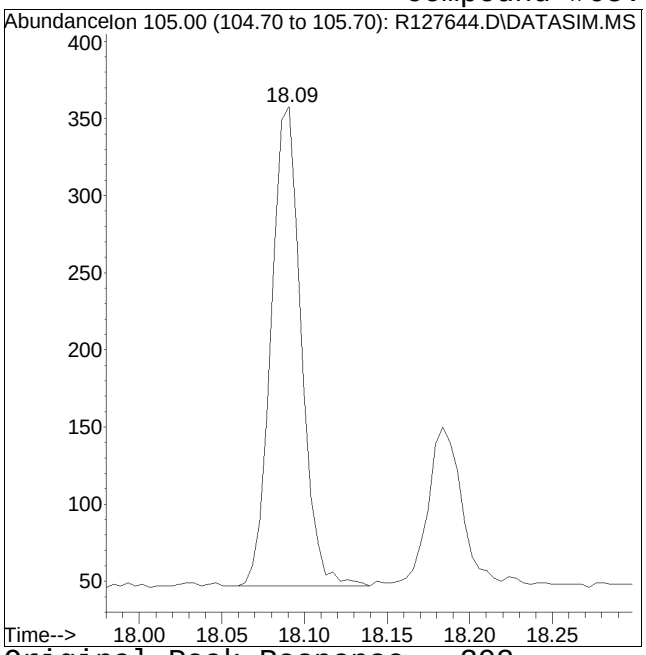
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

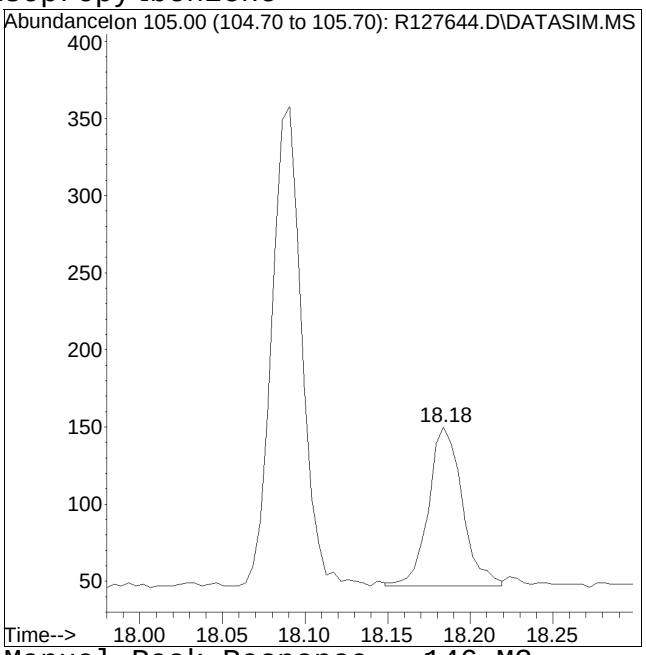
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #65: isopropylbenzene



Original Peak Response = 392



Manual Peak Response = 146 M3

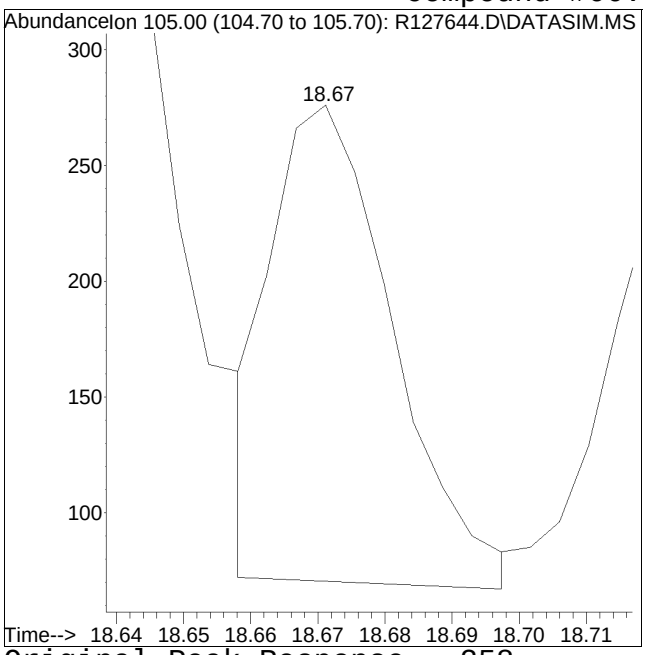
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

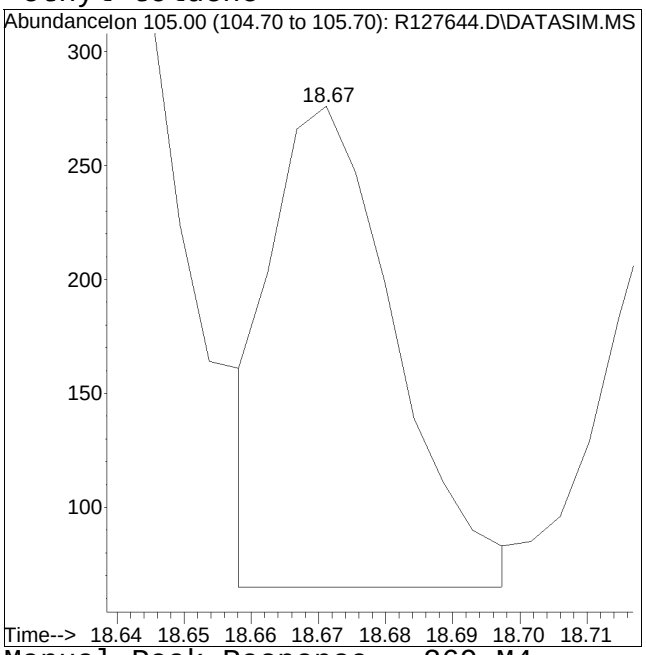
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #66: 4-ethyl toluene



Original Peak Response = 258



Manual Peak Response = 269 M4

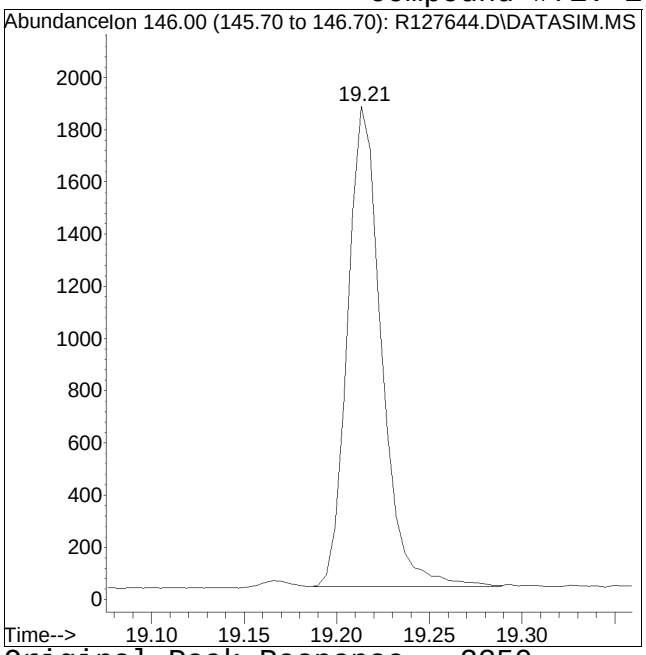
M4 = Poor automated baseline construction.

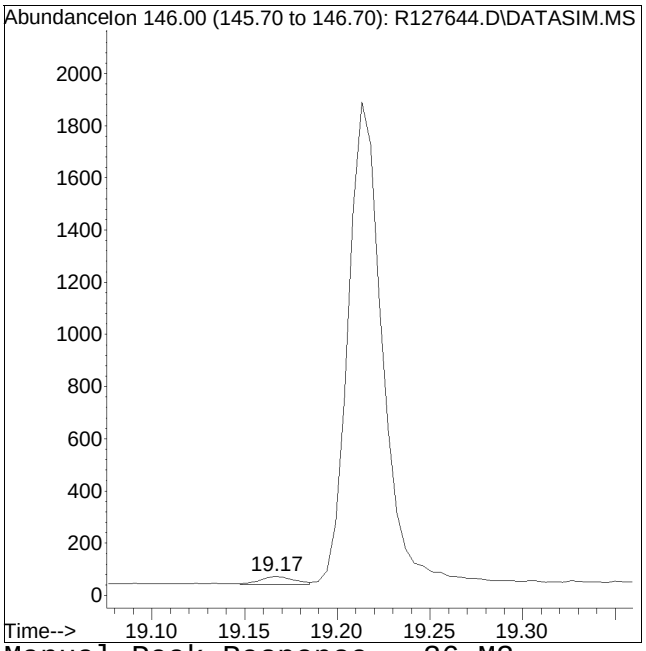
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #71: 1,3-dichlorobenzene





Original Peak Response = 2350 Manual Peak Response = 36 M3

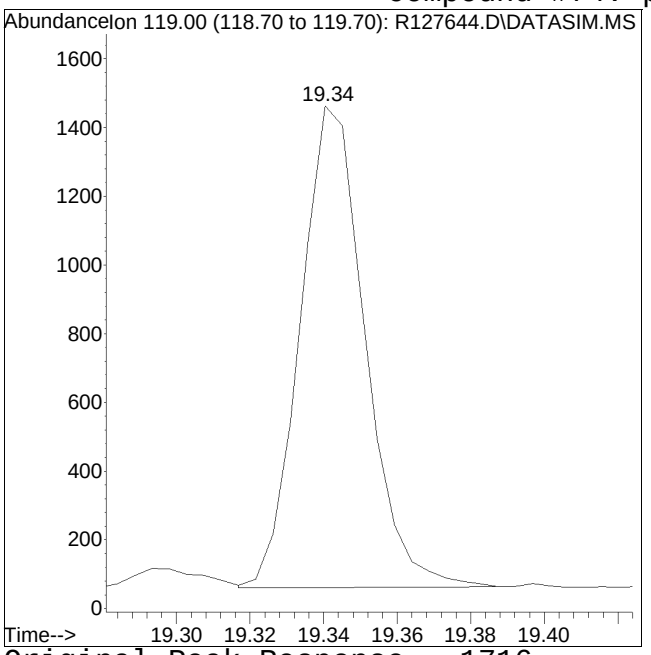
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

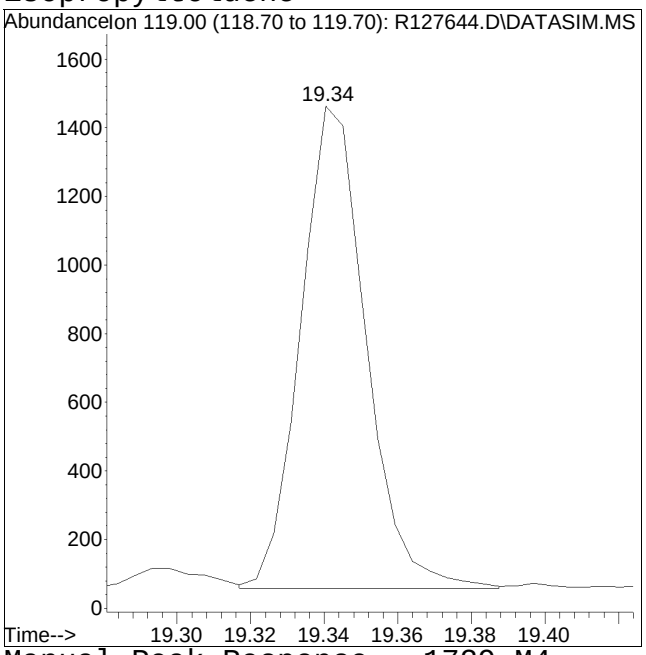
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127644.D
Date Inj'd : 4/12/2013 6:45 pm
Sample : L1306330-05,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:18 pm

Compound #74: p-isopropyltoluene



Original Peak Response = 1716



Manual Peak Response = 1729 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127645.D
Acq On : 12 Apr 2013 7:17 pm
Operator : AIRPIANO1:MB
Sample : L1306330-06,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 09:31:38 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	239696	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 89.17%			
32) 1,4-difluorobenzene	12.49	114	549626	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 100.46%			
49) chlorobenzene-D5	16.90	54	134968	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 101.69%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	12654	0.408	ppbV	99
4) chloromethane	4.40	50	9595	0.588	ppbV	100
5) Freon-114	4.55	85	509	0.015	ppbV	95
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	5344	0.483	ppbV	93
8) bromomethane	5.29	94	104	0.008	ppbV #	53
9) chloroethane	5.55	64	61	0.010	ppbV #	1
12) acetone	6.41	43	154577	5.960	ppbV #	97
13) trichlorofluoromethane	6.62	101	8423	0.226	ppbV	99
15) acrylonitrile	7.04	53	374M4	0.030	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	6113	0.282	ppbV	99
20) Freon 113	7.99	101	1898	0.073	ppbV	96
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.19		0	N.D.		
26) 2-butanone	9.58	43	30337	0.746	ppbV	97
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	340	0.012	ppbV #	84
31) 1,2-dichloroethane	11.28	62	396	0.019	ppbV #	64
35) 1,1,1-trichloroethane	11.56	97	332M4	0.011	ppbV	
36) benzene	12.09	78	12596	0.290	ppbV	98
37) carbon tetrachloride	12.25	117	9194	0.285	ppbV	98
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	13.23		0	N.D.		
42) trichloroethene	13.29	130	2352	0.111	ppbV	96
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.34		0	N.D.		
47) trans-1,3-dichloropropene	14.84		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127645.D
Acq On : 12 Apr 2013 7:17 pm
Operator : AIRPIANO1:MB
Sample : L1306330-06,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 09:31:38 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

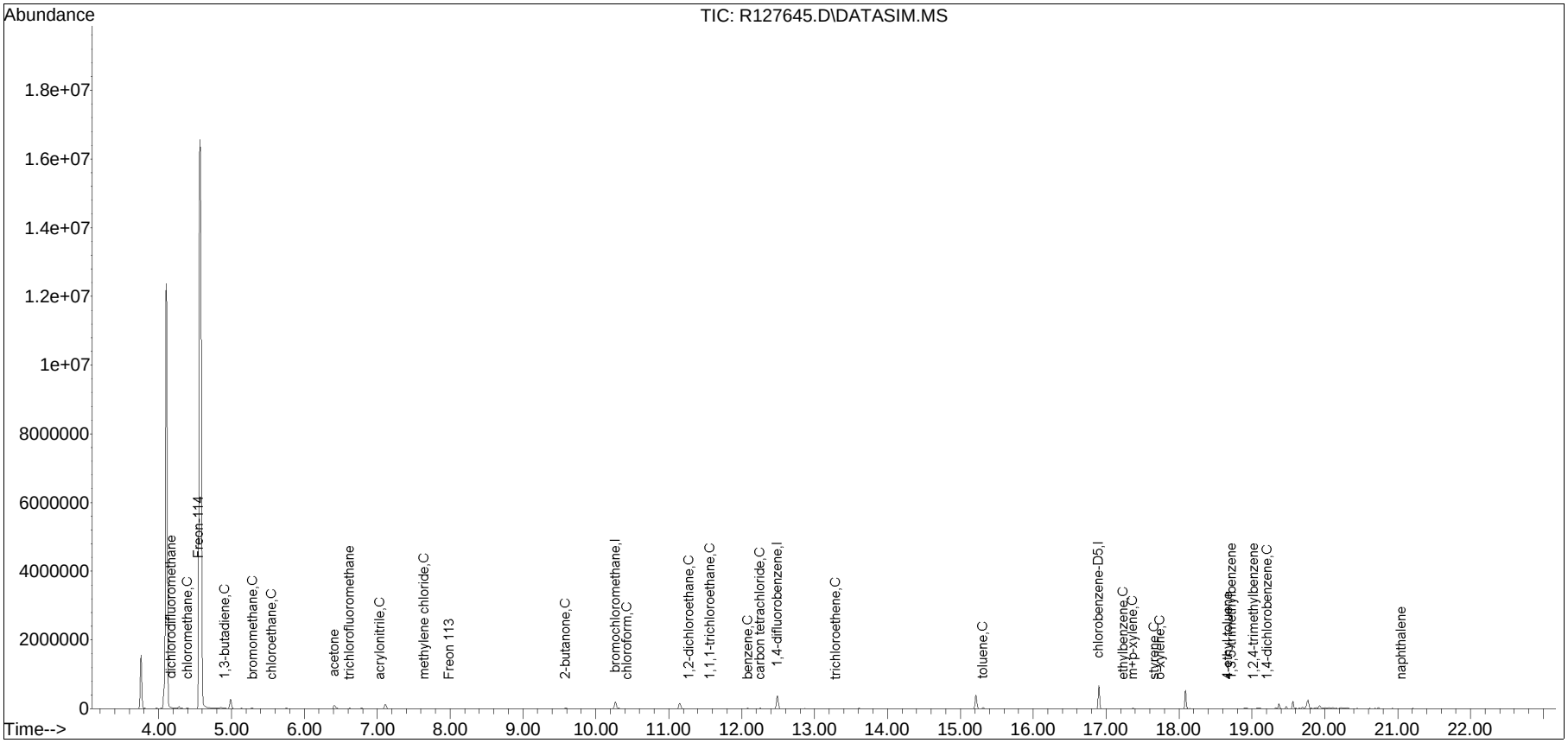
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	26260	0.480	ppbV		100
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.37		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.87		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	4787	0.068	ppbV		98
59) m+p-xylene	17.37	91	11745	0.216	ppbV		99
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	914	0.022	ppbV		92
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.			
63) o-xylene	17.74	91	4122	0.073	ppbV		100
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.67	105	1518	0.018	ppbV	#	90
67) 1,3,5-trimethylbenzene	18.72	105	1236	0.018	ppbV	#	95
69) 1,2,4-trimethylbenzene	19.03	105	4107	0.061	ppbV	#	52
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21	146	515	0.010	ppbV	#	78
73) sec-butylbenzene	19.23		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.56		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	2963	0.030	ppbV	#	93
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

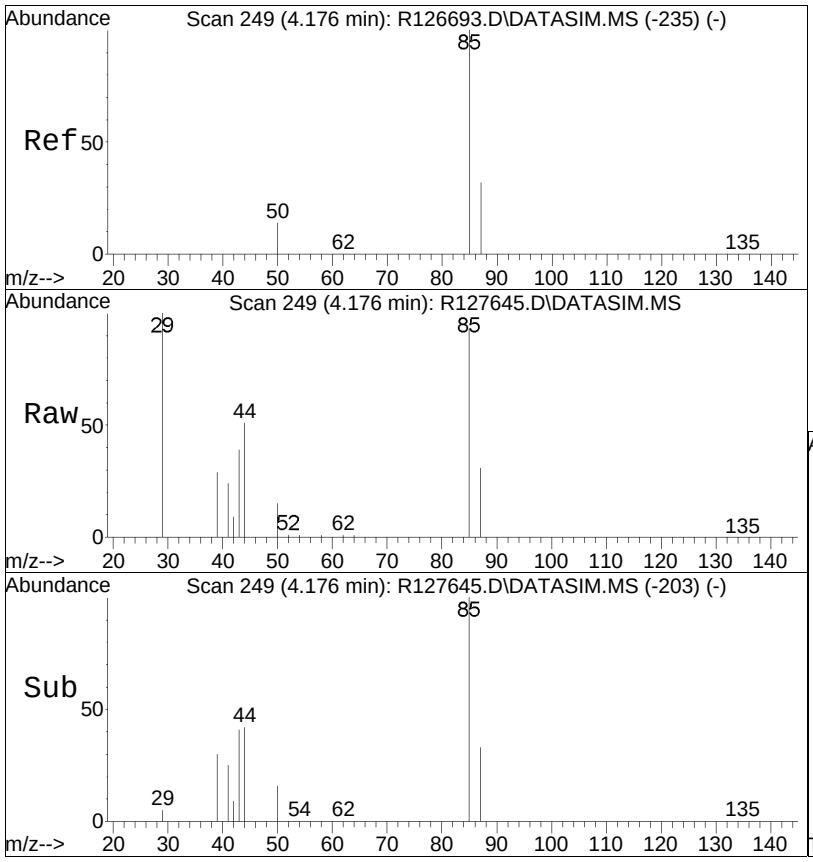
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127645.D
Acq On : 12 Apr 2013 7:17 pm
Operator : AIRPIANO1:MB
Sample : L1306330-06,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 09:31:38 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

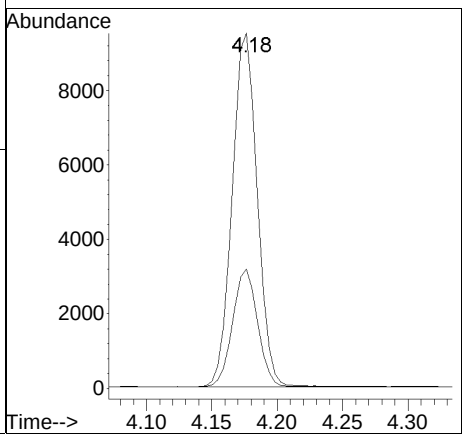


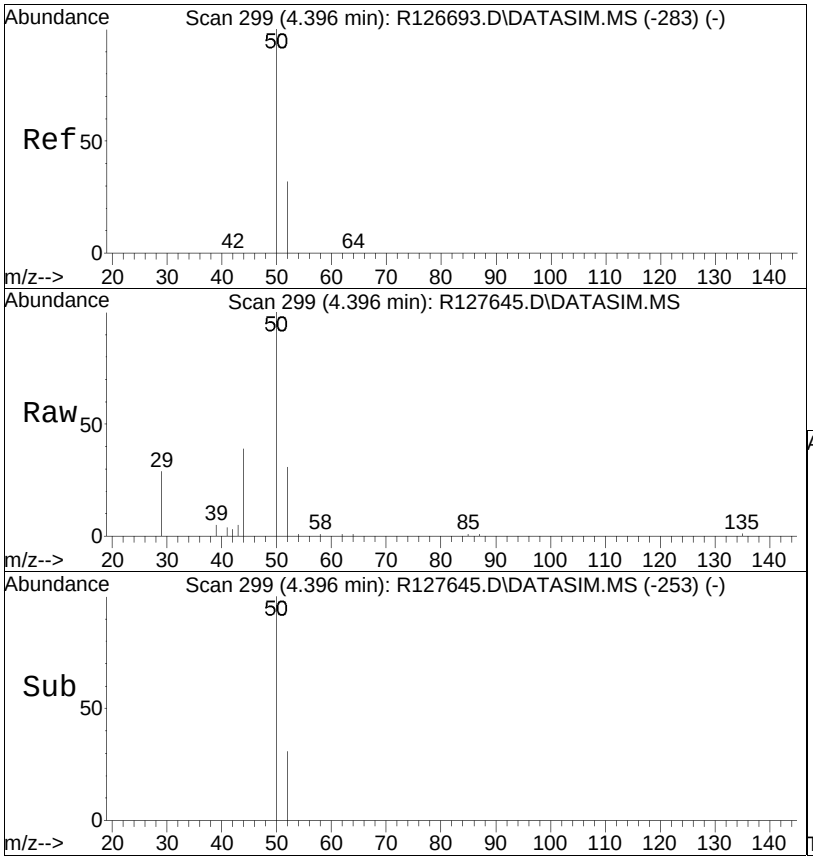


#3
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 85 Resp: 12654

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.6	40.0

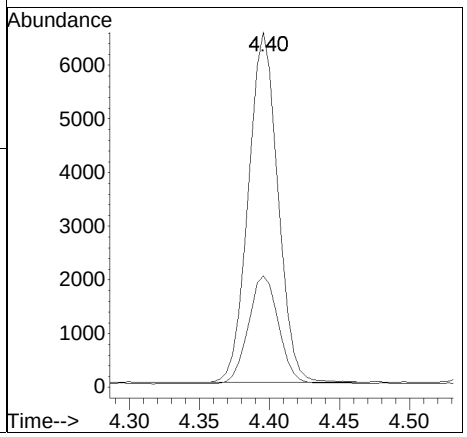


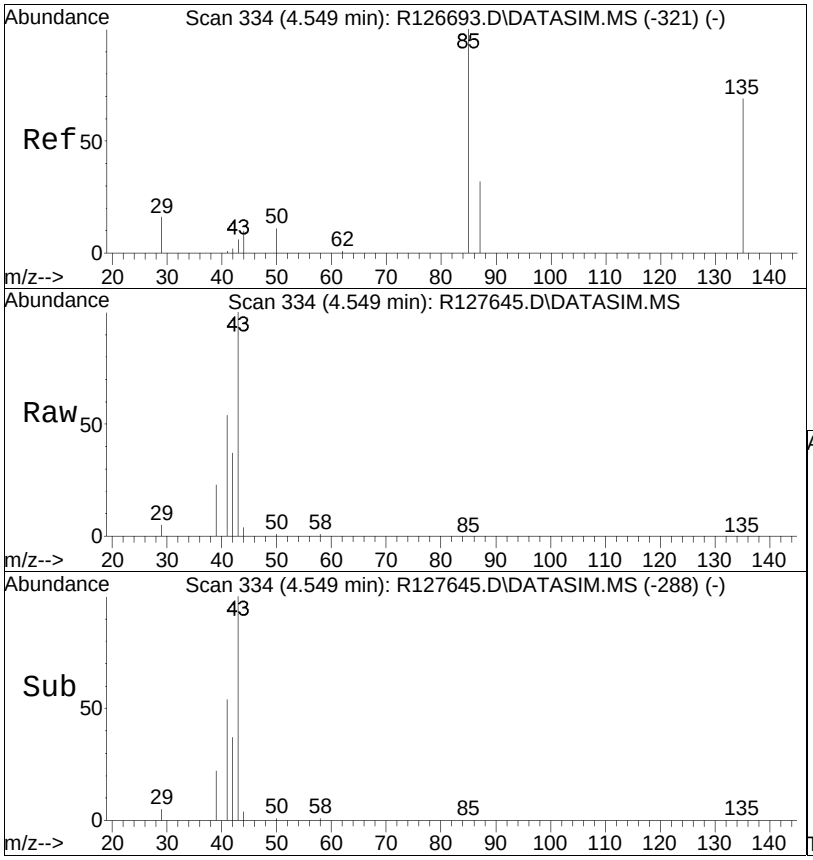


#4
chloromethane
Concen: 0.59 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 50 Resp: 9595

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.3	37.9

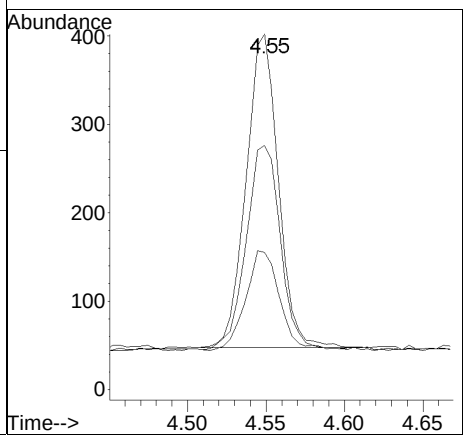


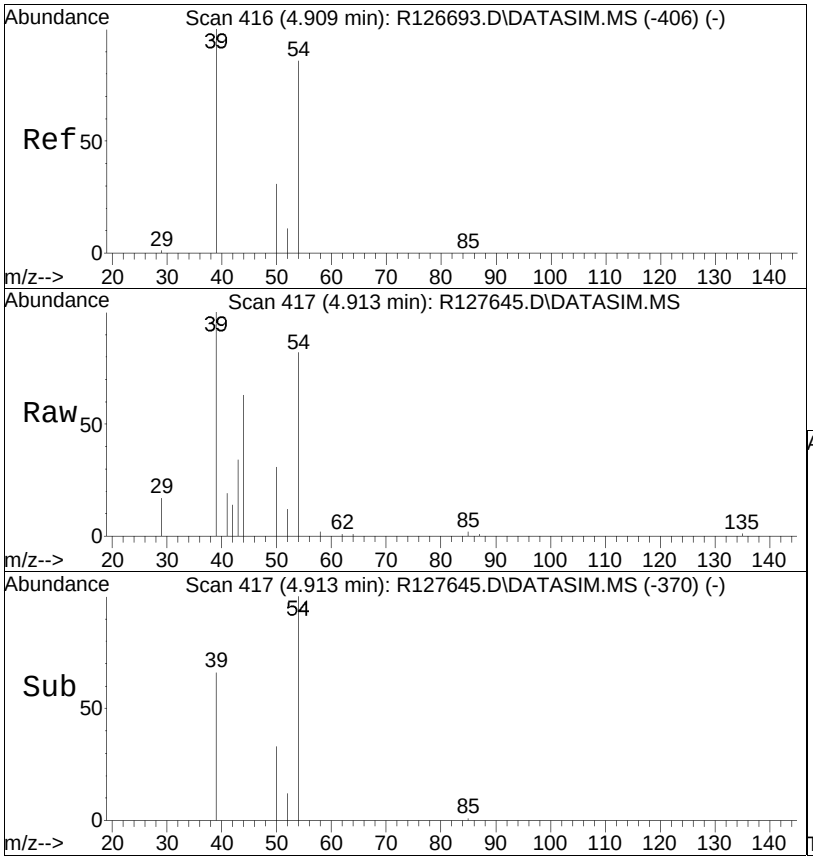


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 85 Resp: 509

Ion	Ratio	Lower	Upper
85	100		
87	38.6	26.5	39.7
135	68.7	56.9	85.3

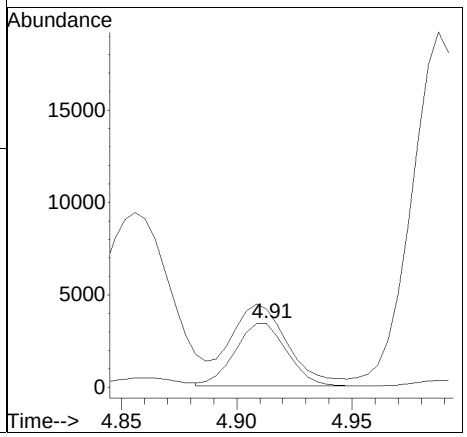


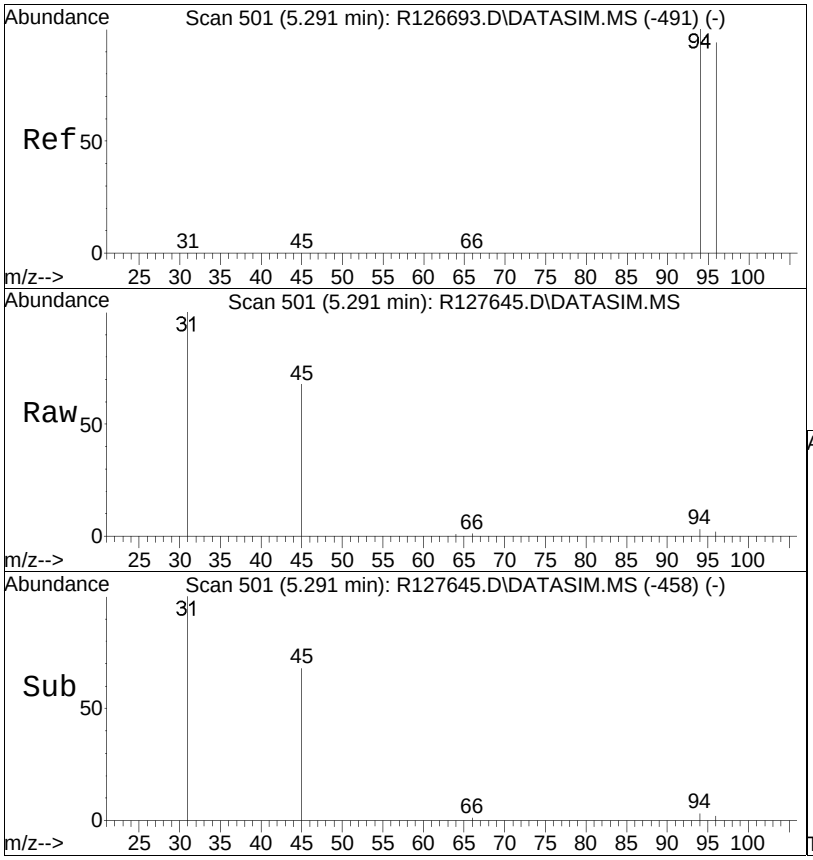


#7
1,3-butadiene
Concen: 0.48 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 54 Resp: 5344

Ion	Ratio	Lower	Upper
54	100		
39	122.7	92.4	138.6

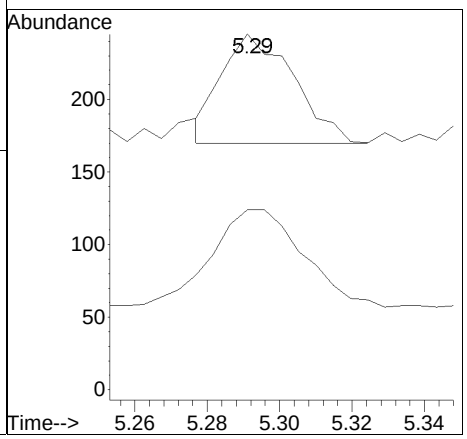


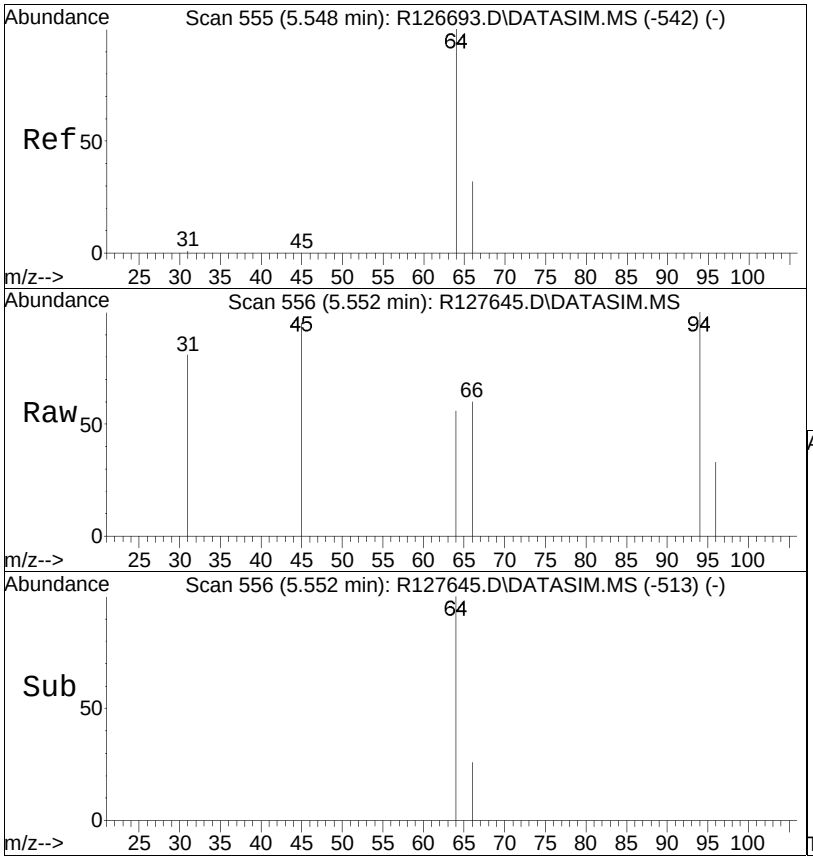


#8
bromomethane
Concen: 0.01 ppbV
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 94 Resp: 104

Ion	Ratio	Lower	Upper
94	100		
96	50.6	76.9	115.3#

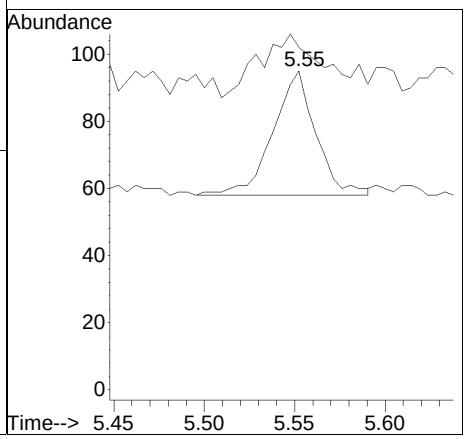


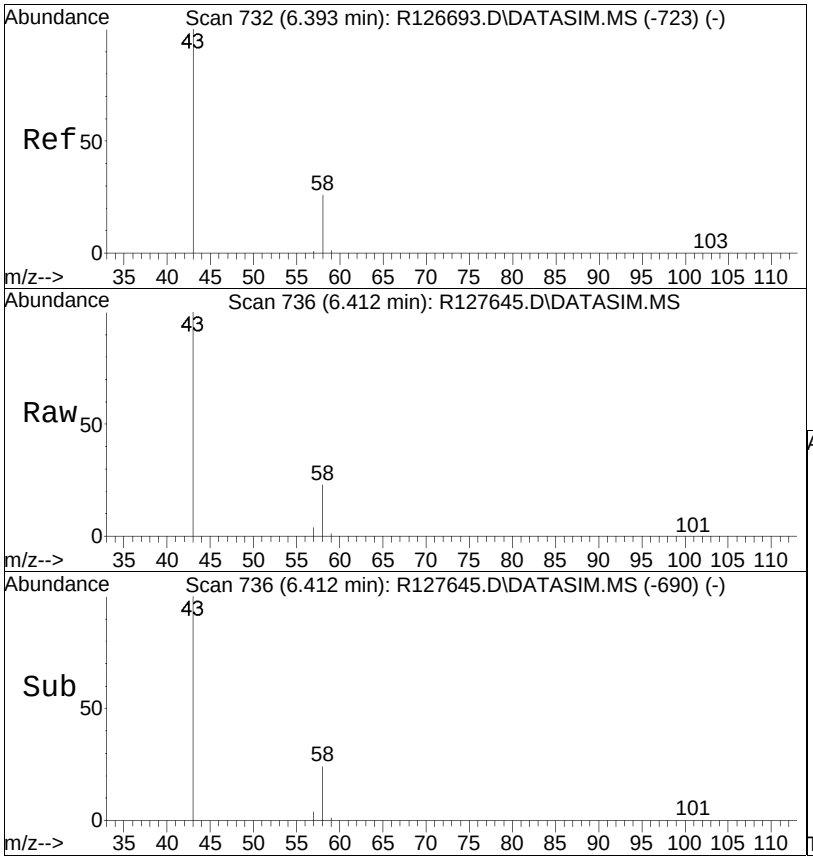


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 556
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 64 Resp: 61

Ion	Ratio	Lower	Upper
64	100		
66	107.4	25.5	38.3#

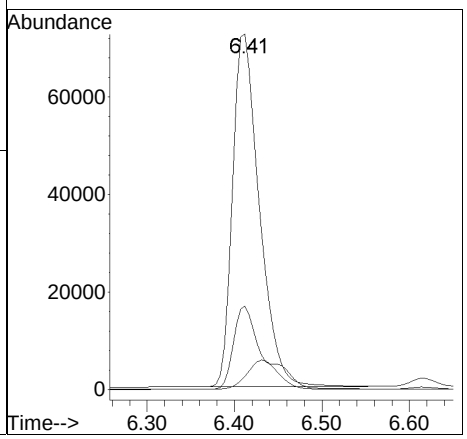


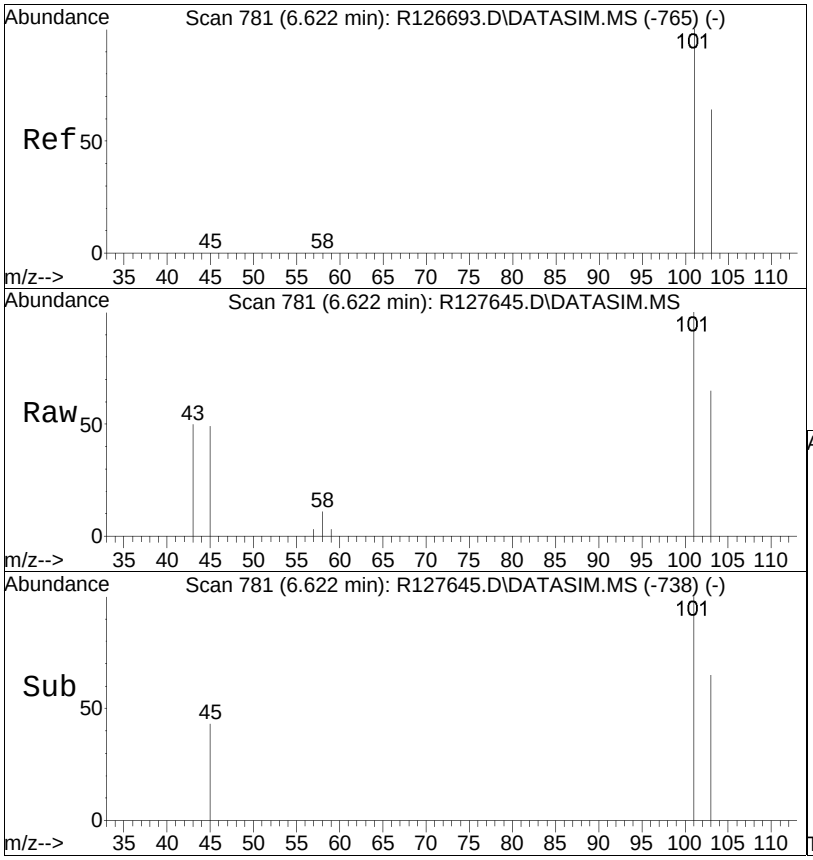


#12
acetone
Concen: 5.96 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 43 Resp: 154577

Ion	Ratio	Lower	Upper
43	100		
58	23.4	20.0	30.0
57	3.7	0.6	1.0#

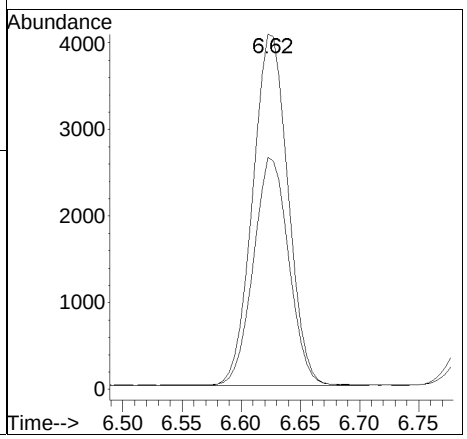


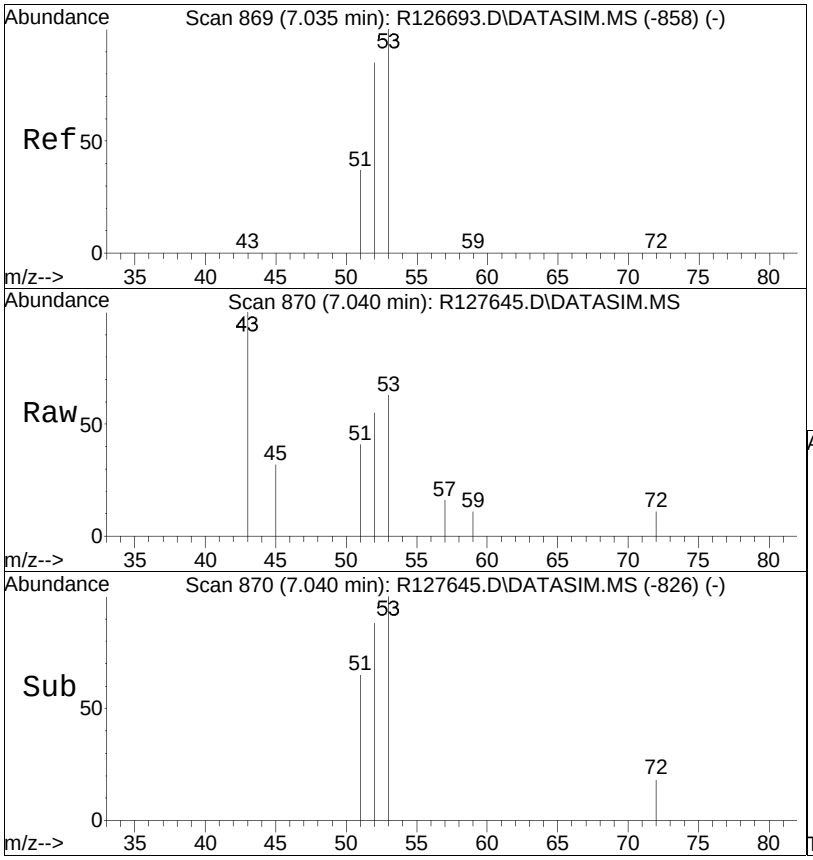


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:101 Resp: 8423

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

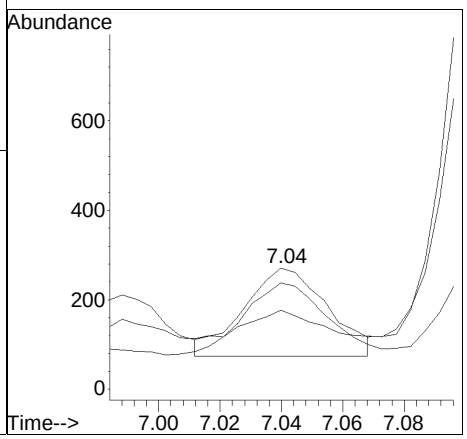


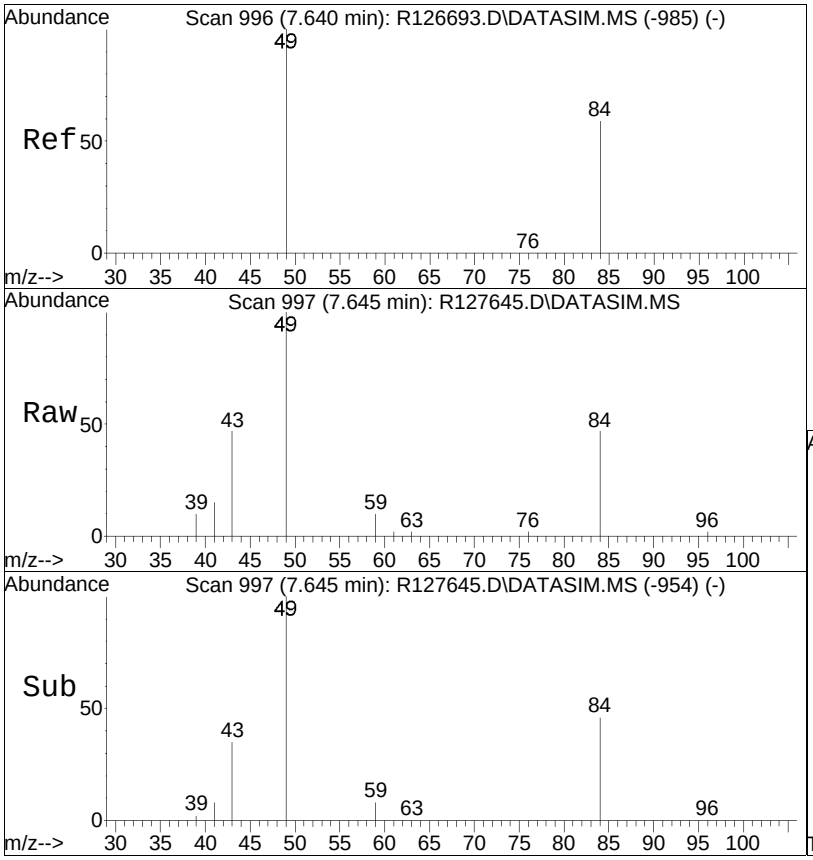


#15
acrylonitrile
Concen: 0.03 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 53 Resp: 374

Ion	Ratio	Lower	Upper
53	100		
52	87.8	68.5	102.7
51	65.3	30.1	45.1#

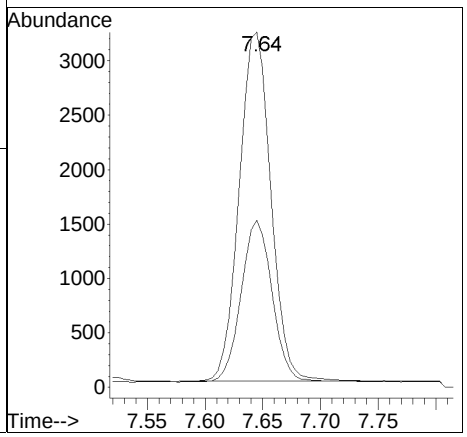


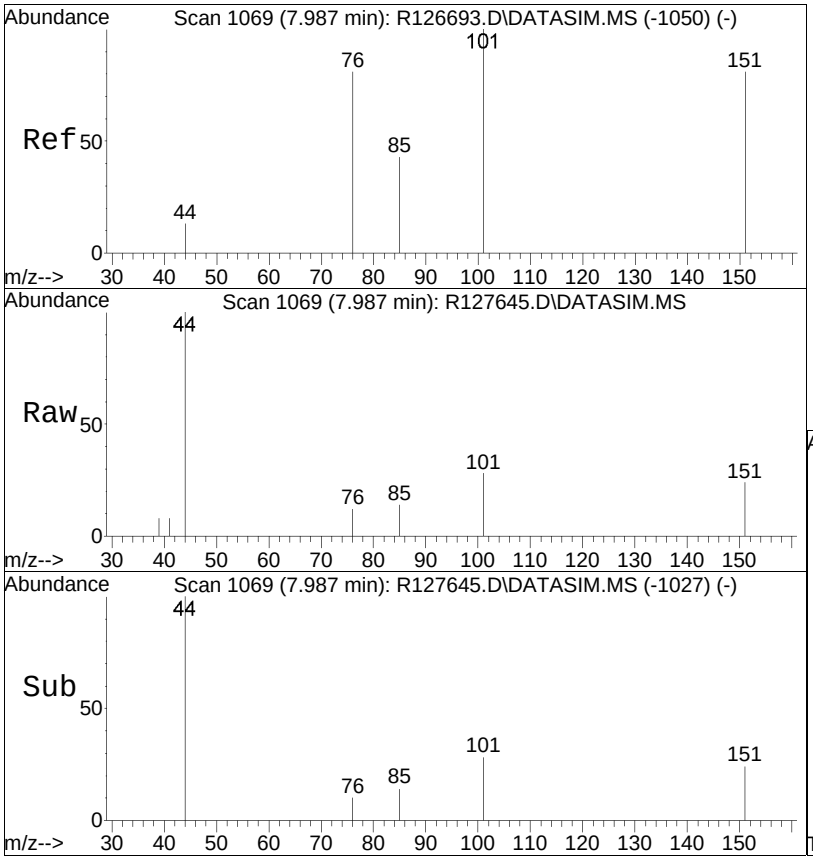


#17
methylene chloride
Concen: 0.28 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 49 Resp: 6113

Ion	Ratio	Lower	Upper
49	100		
84	47.0	37.2	55.8

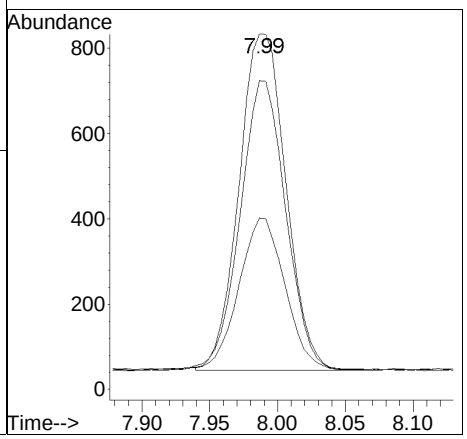


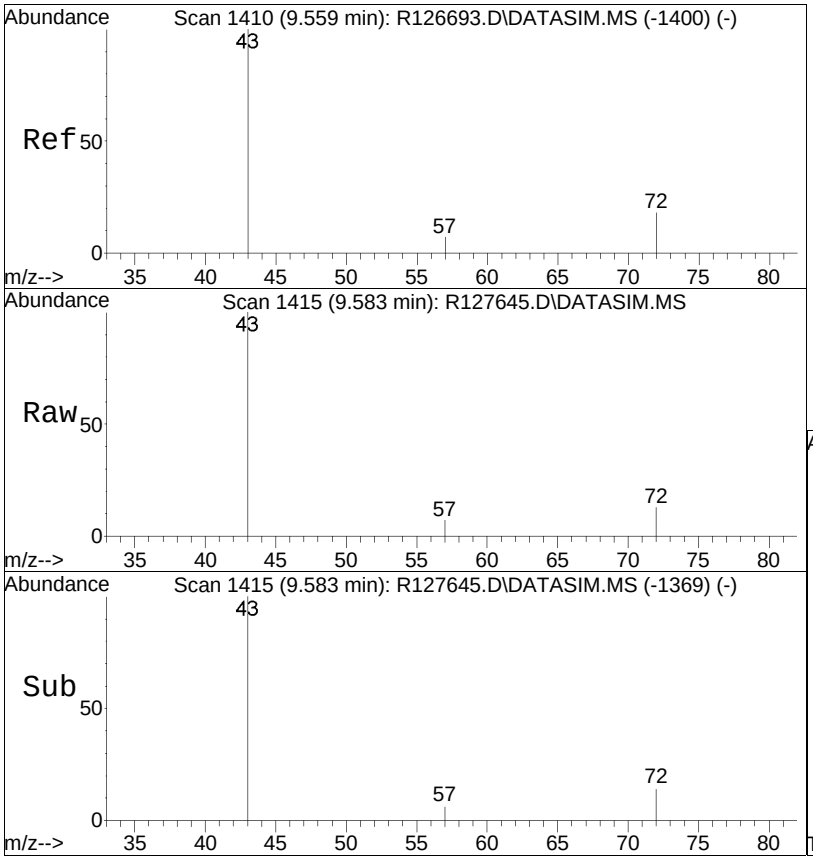


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:101 Resp: 1898

Ion	Ratio	Lower	Upper
101	100		
85	48.3	34.2	51.2
151	86.9	67.8	101.8

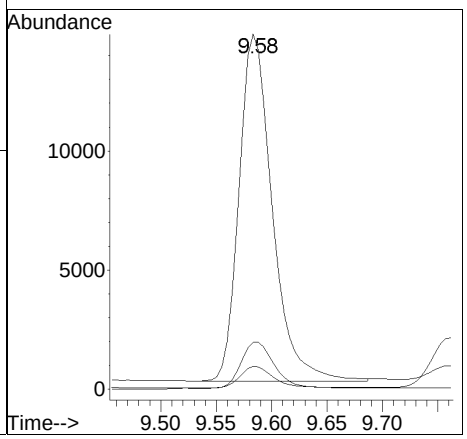


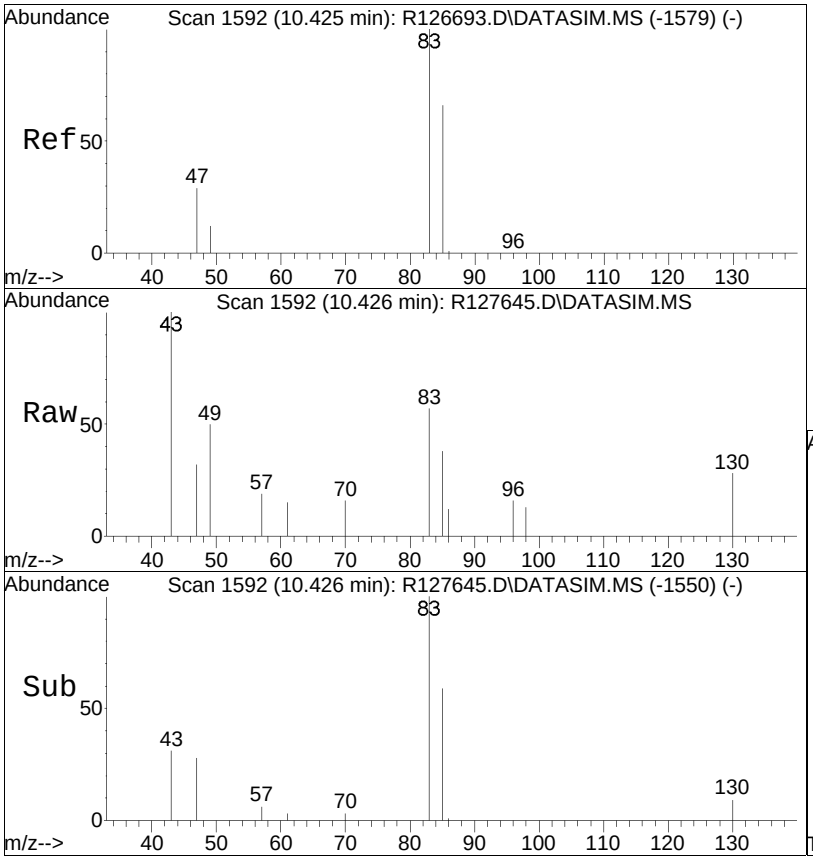


#26
2-butanone
Concen: 0.75 ppbV
RT: 9.58 min Scan# 1415
Delta R.T. 0.019 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 43 Resp: 30337

Ion	Ratio	Lower	Upper
43	100		
72	13.3	12.0	18.0
57	6.5	5.2	7.8

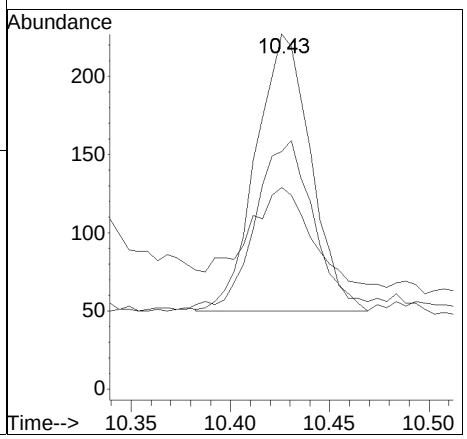


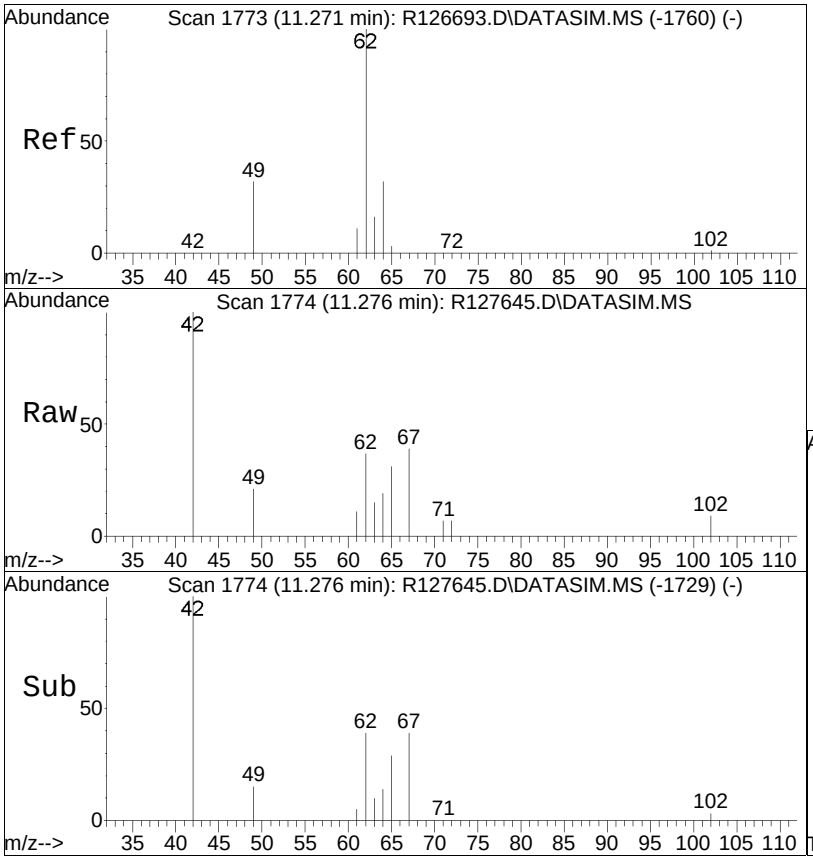


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 83 Resp: 340

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.2
47	56.8	26.4	39.6#

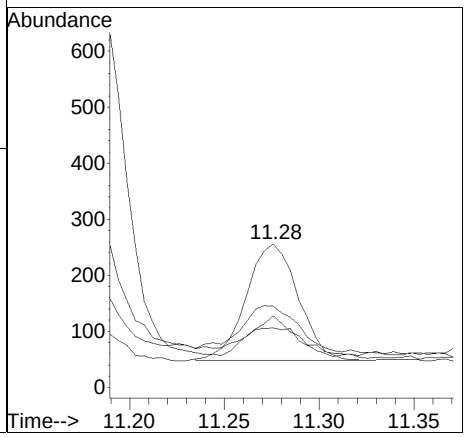


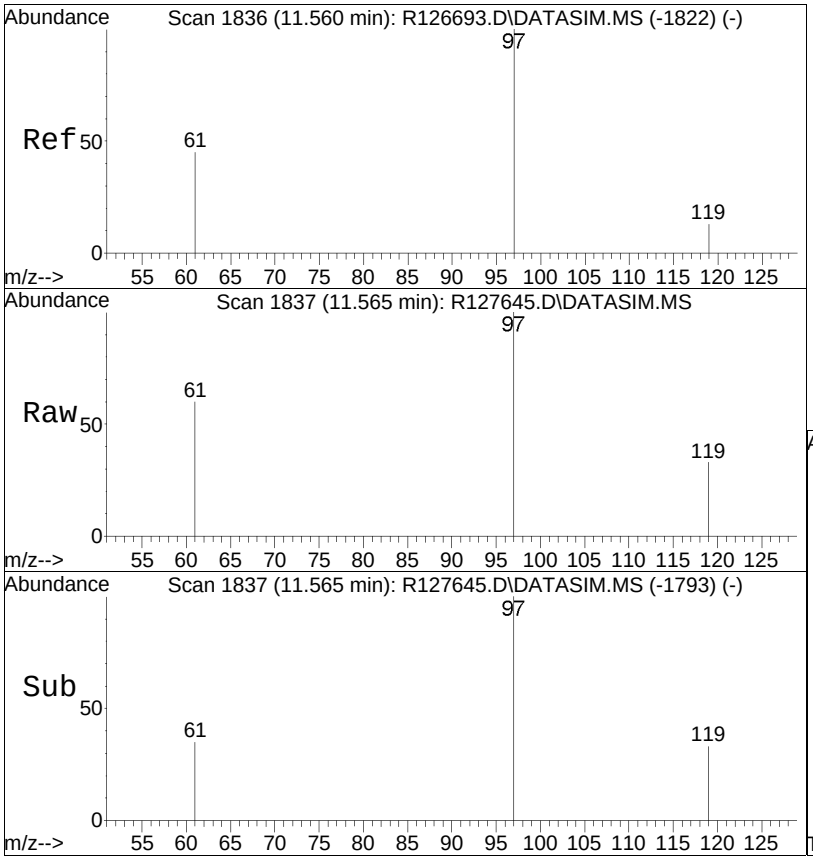


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 62 Resp: 396

Ion	Ratio	Lower	Upper
62	100		
64	50.0	25.0	37.6#
49	56.6	31.2	46.8#
63	41.4	13.3	19.9#

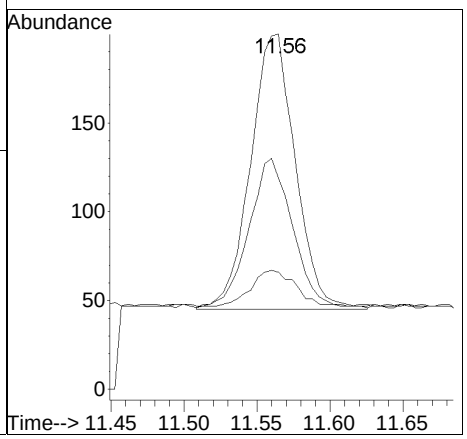


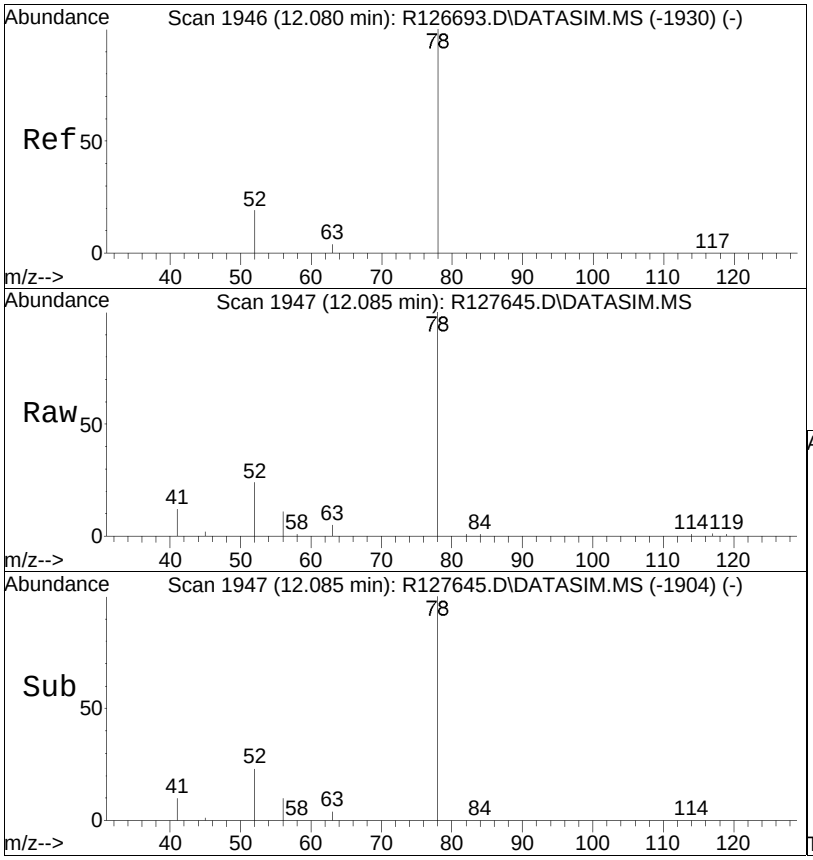


#35
1,1,1-trichloroethane
Concen: 0.01 ppbV m
RT: 11.56 min Scan# 1837
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 97 Resp: 332

Ion	Ratio	Lower	Upper
97	100		
61	59.5	38.6	58.0#
119	33.0	11.0	16.6#

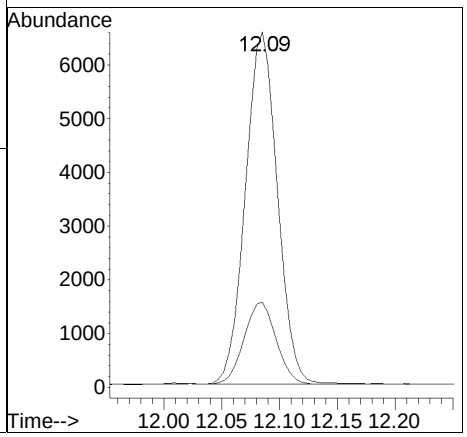


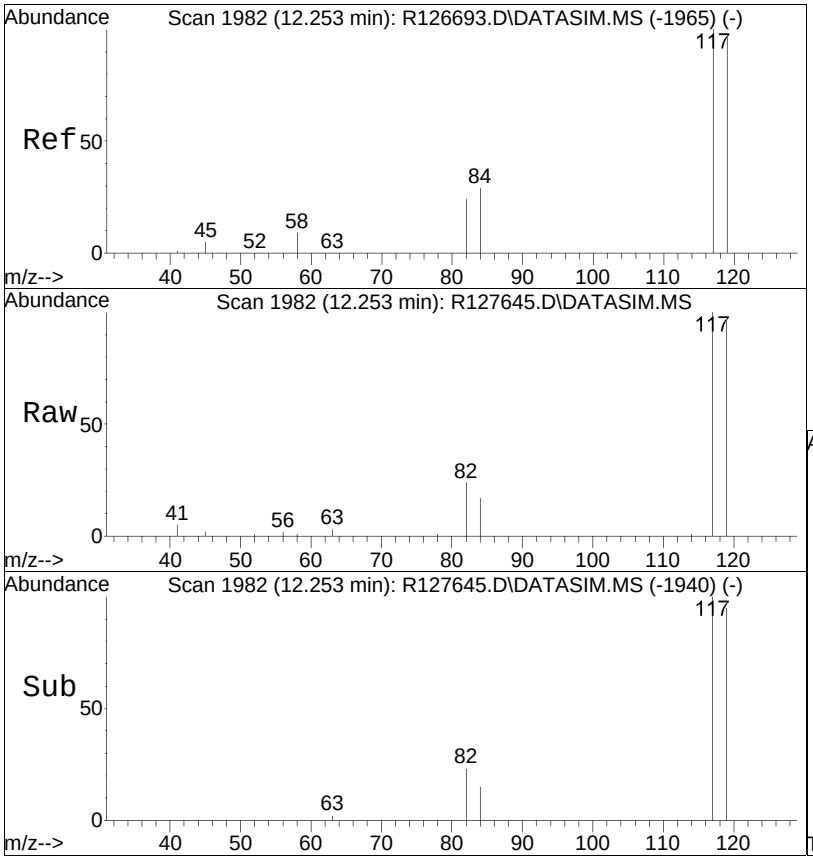


#36
benzene
Concen: 0.29 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 78 Resp: 12596

Ion	Ratio	Lower	Upper
78	100		
52	24.0	18.5	27.7

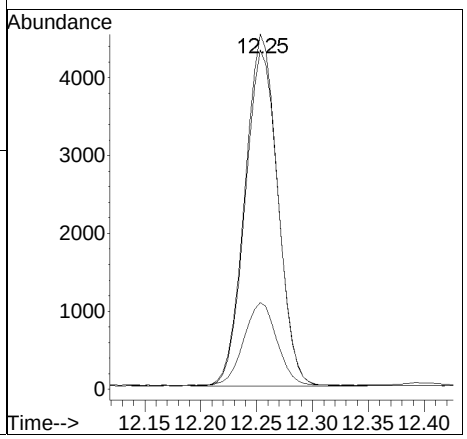


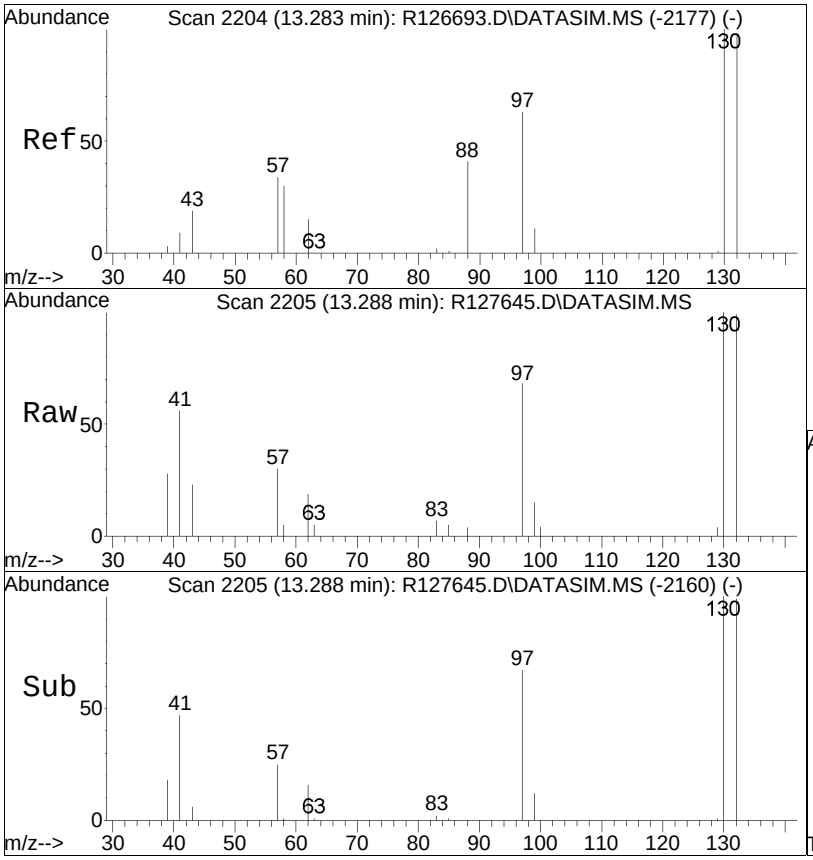


#37
carbon tetrachloride
Concen: 0.28 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:117 Resp: 9194

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
82	24.5	18.2	27.2

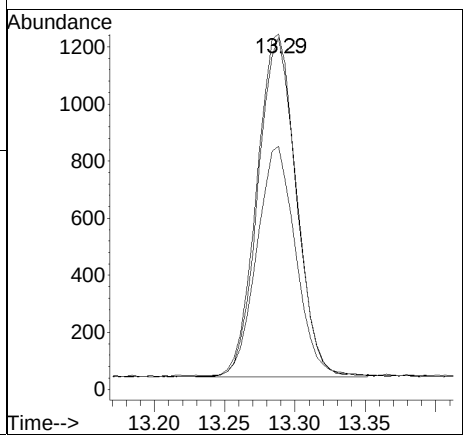


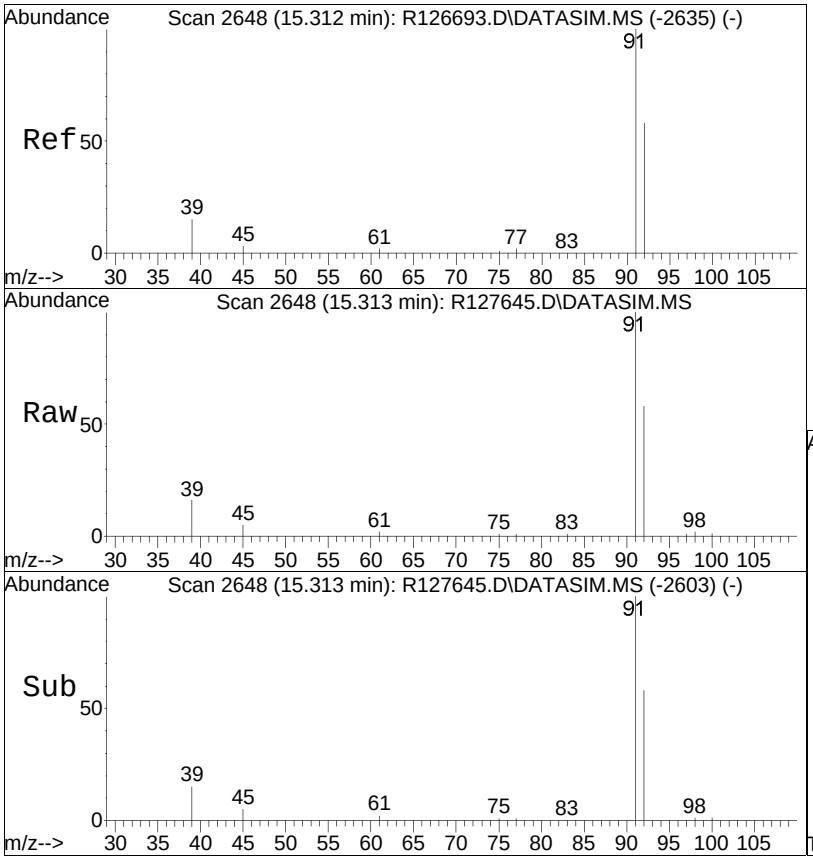


#42
trichloroethene
Concen: 0.11 ppbV
RT: 13.29 min Scan# 2205
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:130 Resp: 2352

Ion	Ratio	Lower	Upper
130	100		
132	99.0	77.3	115.9
97	68.4	50.6	75.8

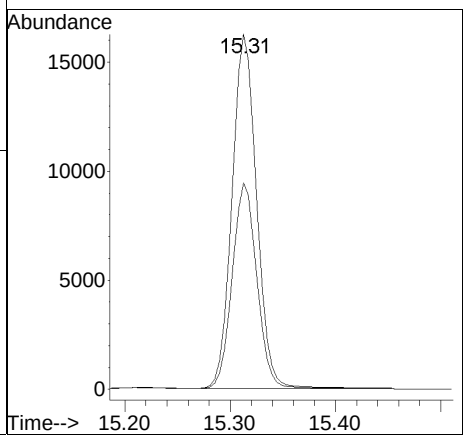


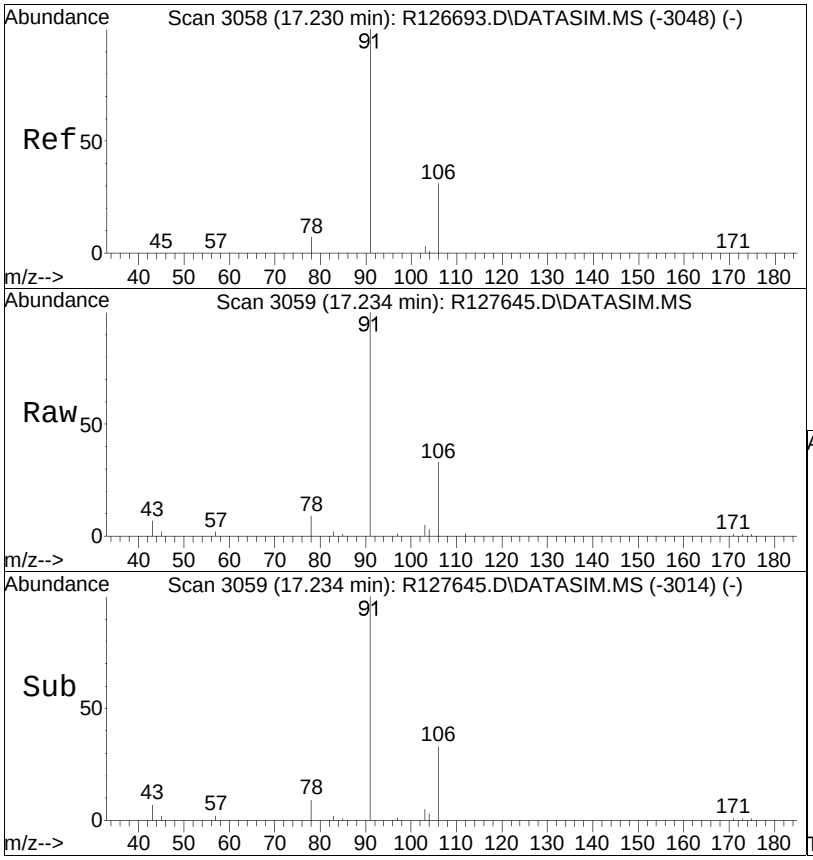


#50
toluene
Concen: 0.48 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 91 Resp: 26260

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.4	69.6

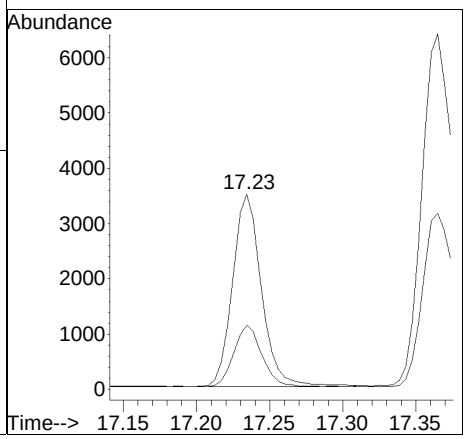


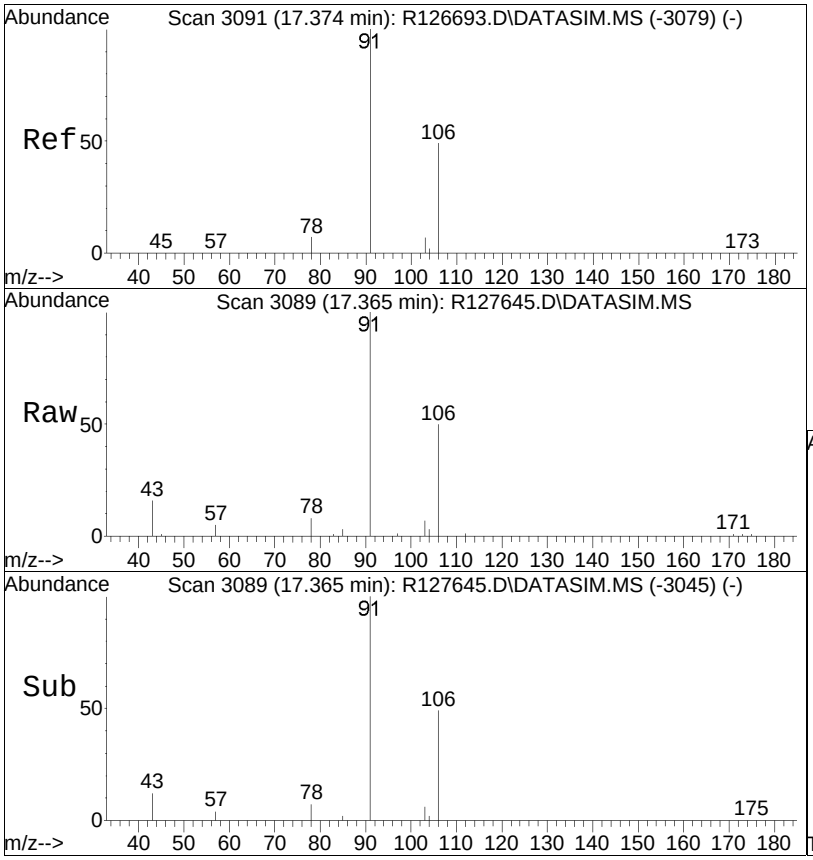


#58
ethylbenzene
Concen: 0.07 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 91 Resp: 4787

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.3	37.9

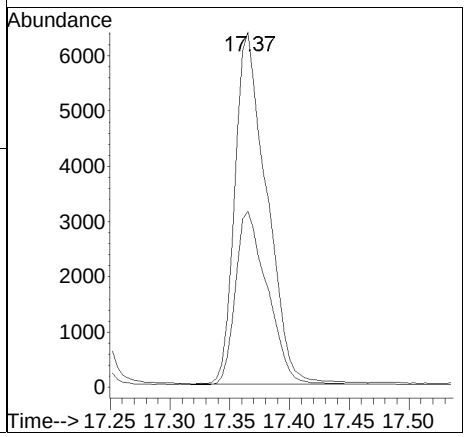


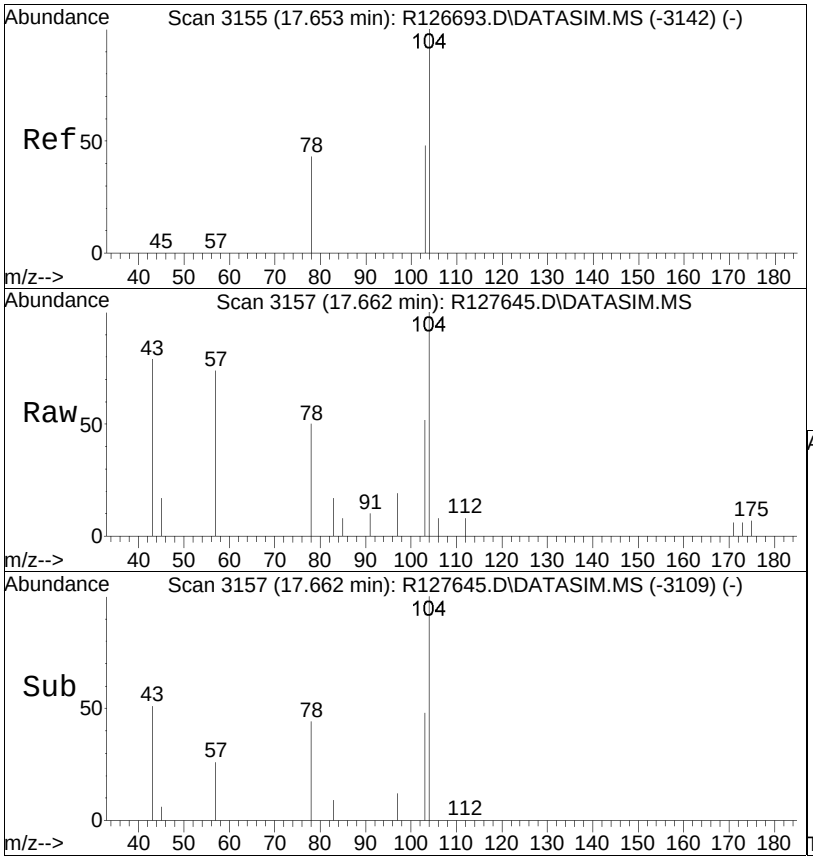


#59
m+p-xylene
Concen: 0.22 ppbV
RT: 17.37 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 91 Resp: 11745

Ion	Ratio	Lower	Upper
91	100		
106	49.6	40.0	60.0

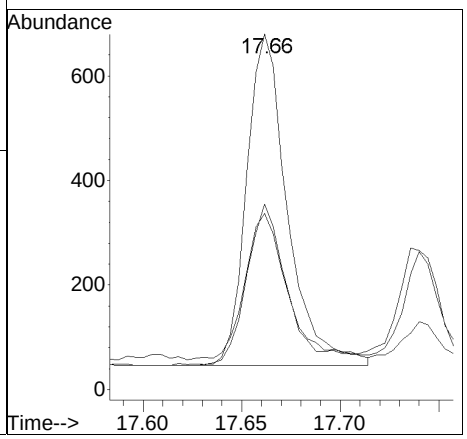


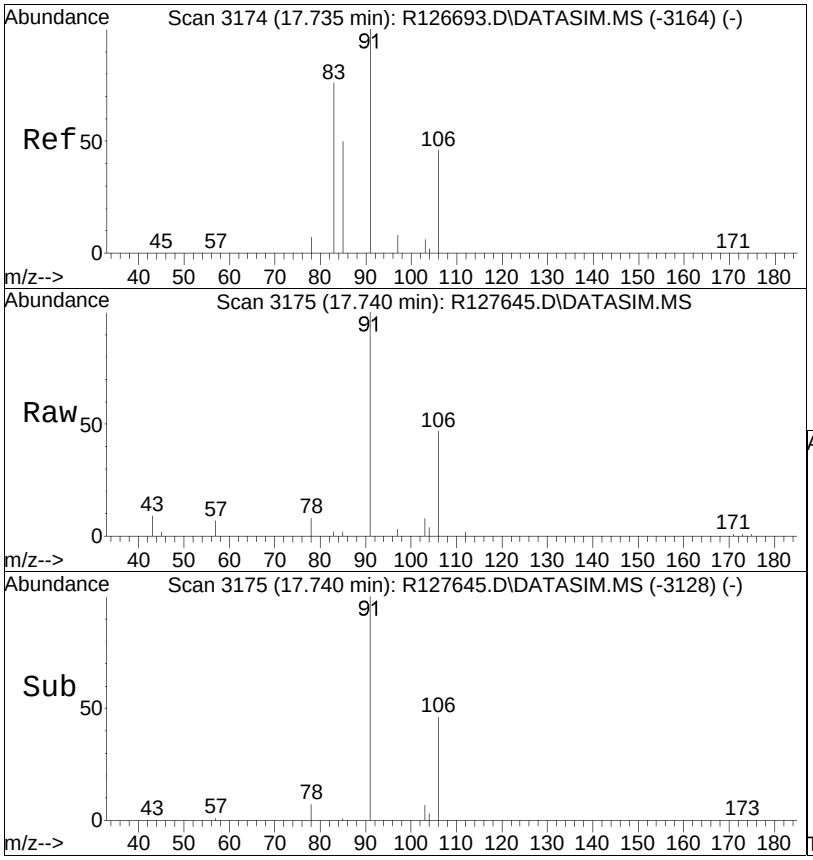


#61
styrene
Concen: 0.02 ppbV
RT: 17.66 min Scan# 3157
Delta R.T. 0.009 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:104 Resp: 914

Ion	Ratio	Lower	Upper
104	100		
103	52.2	38.3	57.5
78	49.6	35.0	52.6

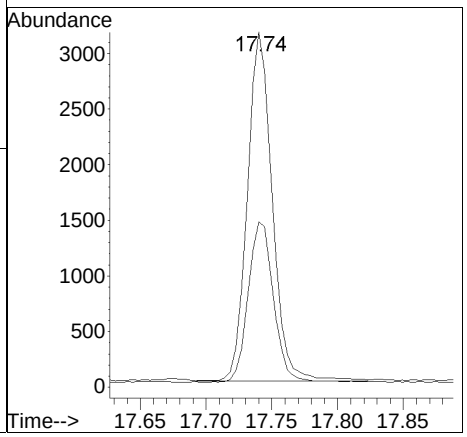


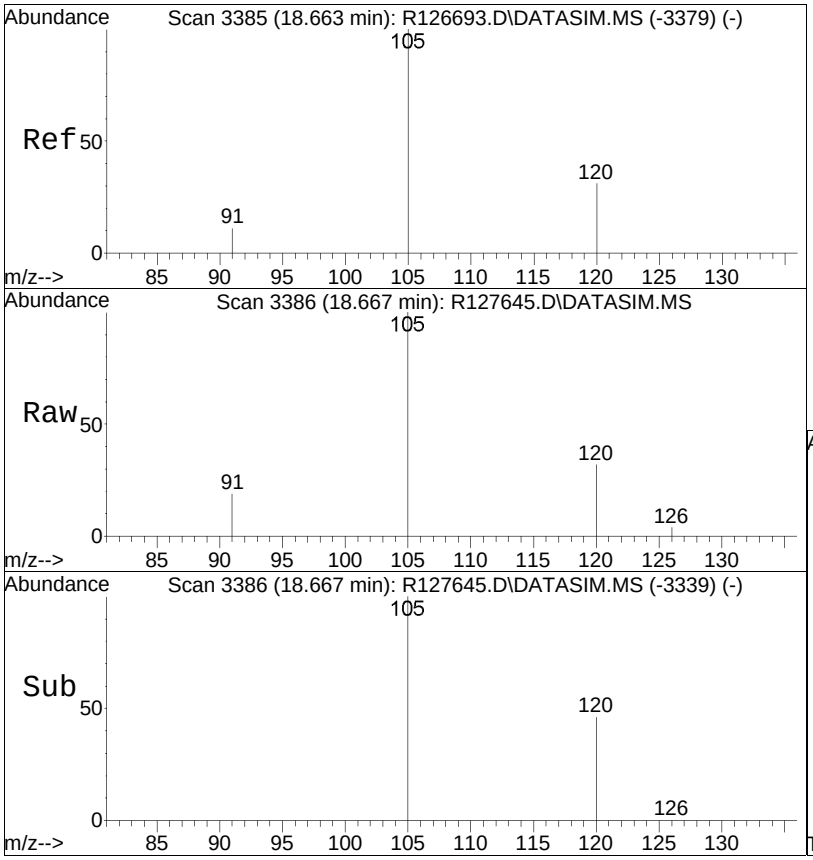


#63
o-xylene
Concen: 0.07 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion: 91 Resp: 4122

Ion	Ratio	Lower	Upper
91	100		
106	46.6	37.1	55.7

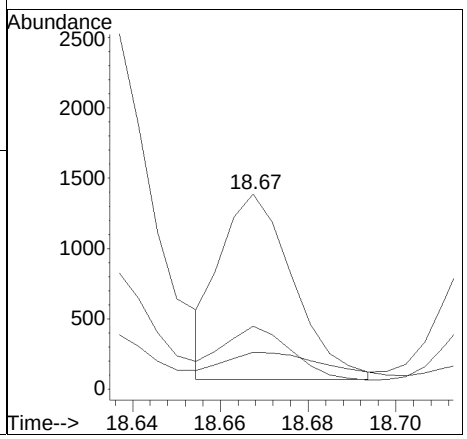


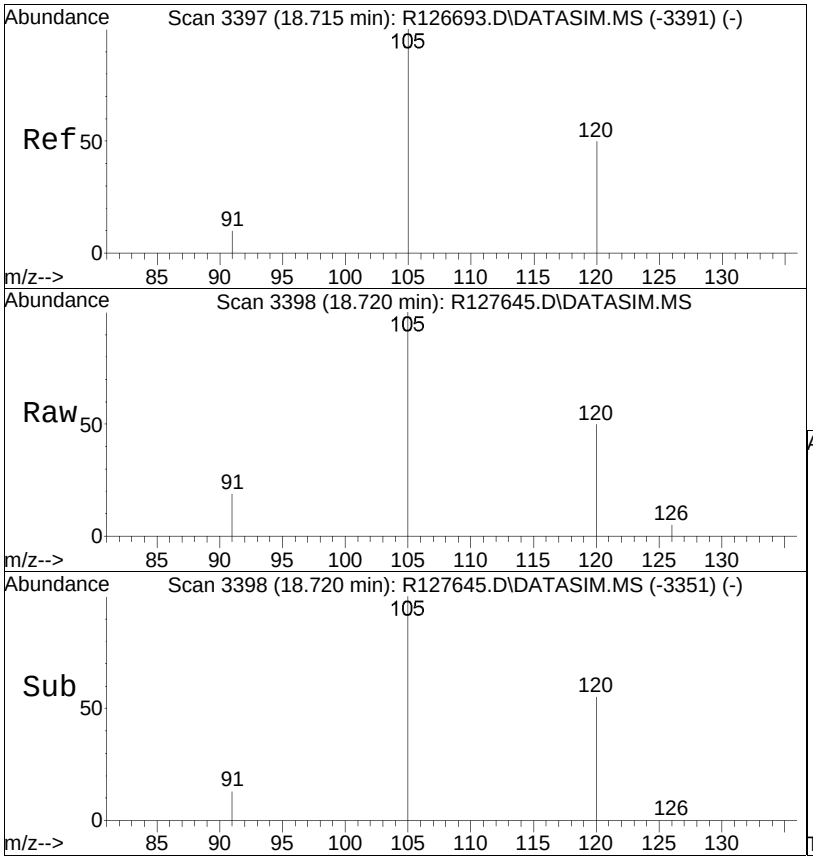


#66
4-ethyl toluene
Concen: 0.02 ppbV
RT: 18.67 min Scan# 3386
Delta R.T. 0.004 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:105 Resp: 1518

Ion	Ratio	Lower	Upper
105	100		
120	32.3	23.7	35.5
91	19.0	8.5	12.7#

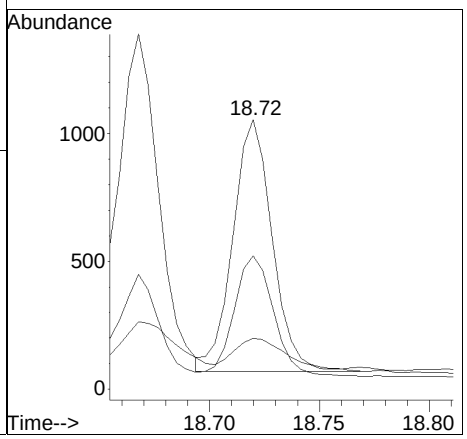


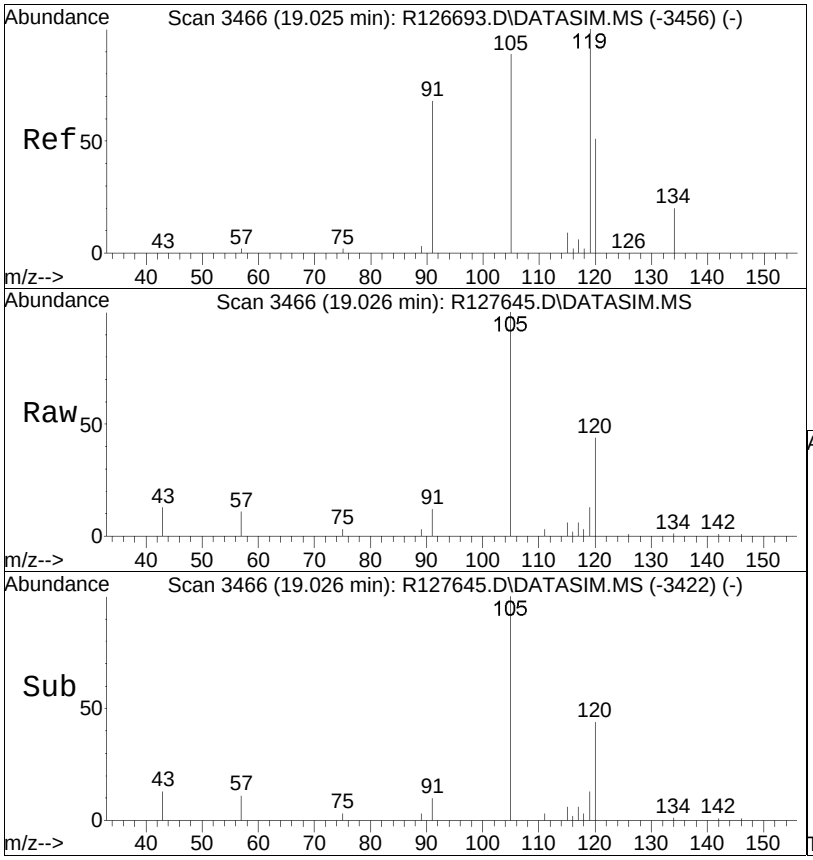


#67
1,3,5-trimethylbenzene
Concen: 0.02 ppbV
RT: 18.72 min Scan# 3398
Delta R.T. 0.004 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:105 Resp: 1236

Ion	Ratio	Lower	Upper
105	100		
120	49.5	39.0	58.4
91	19.0	8.0	12.0#

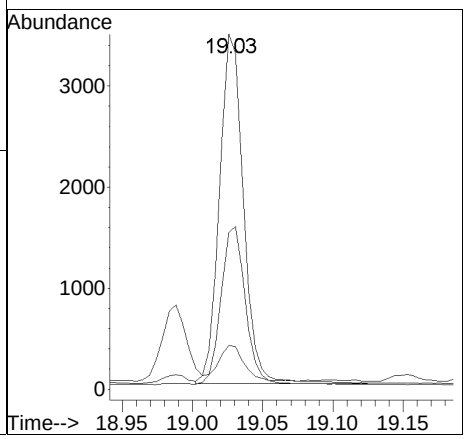


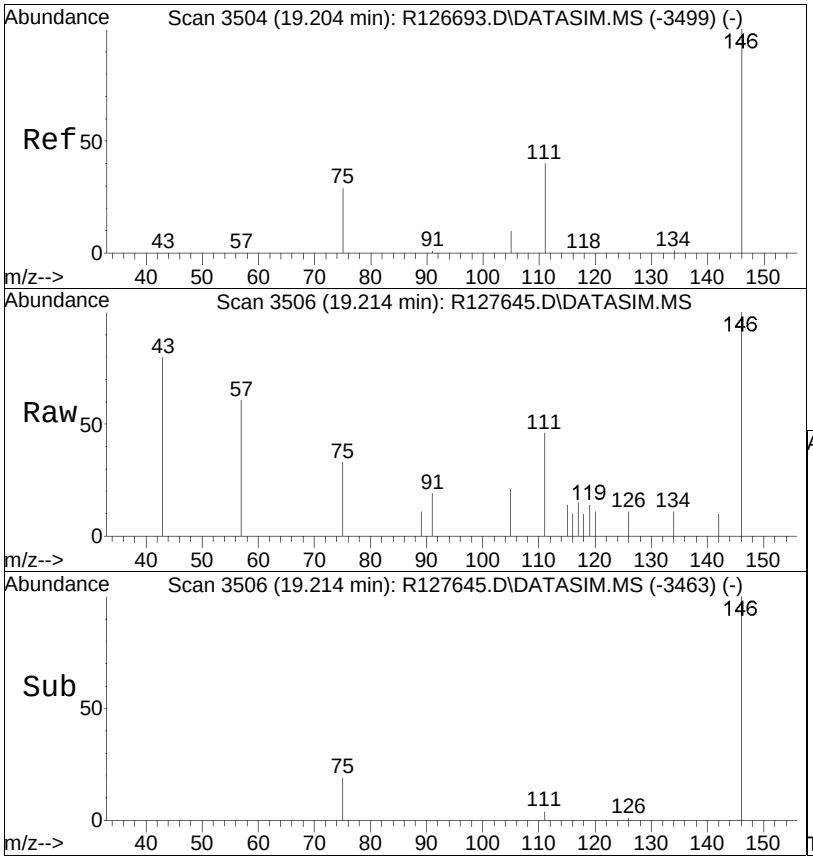


#69
1,2,4-trimethylbenzene
Concen: 0.06 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:105 Resp: 4107

Ion	Ratio	Lower	Upper
105	100		
120	44.2	44.9	67.3#
91	12.4	58.6	88.0#

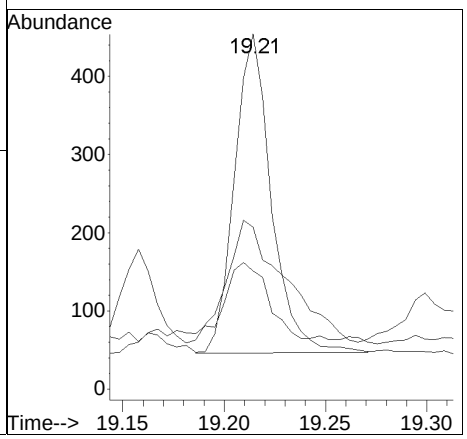


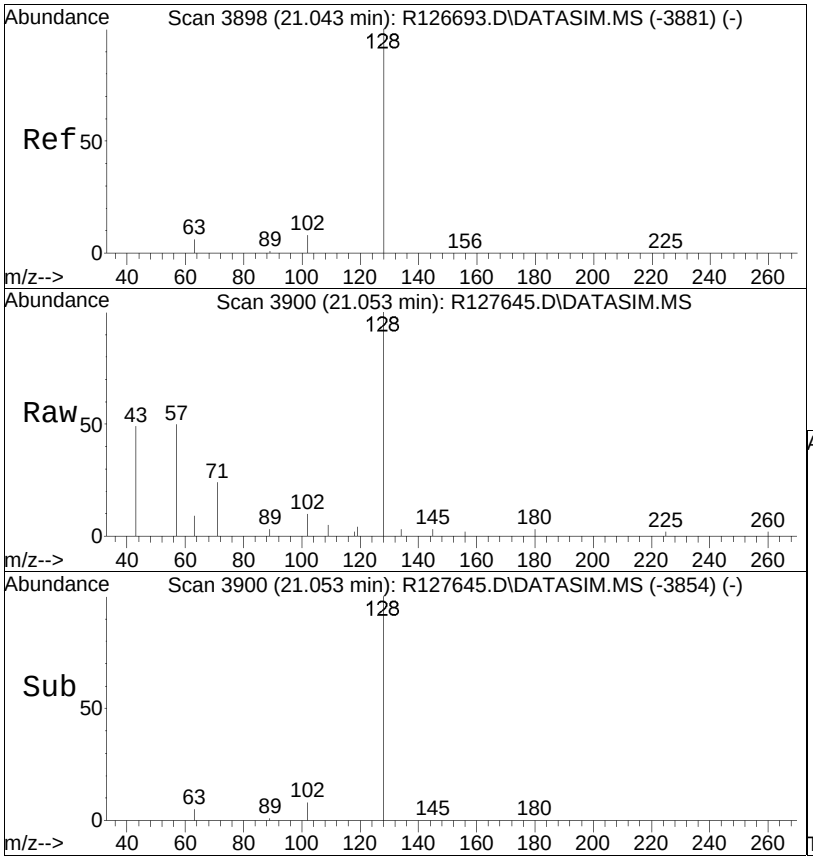


#72
1,4-dichlorobenzene
Concen: 0.01 ppbV
RT: 19.21 min Scan# 3506
Delta R.T. 0.005 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:146 Resp: 515

Ion	Ratio	Lower	Upper
146	100		
111	45.6	26.4	39.6#
75	33.3	18.0	27.0#

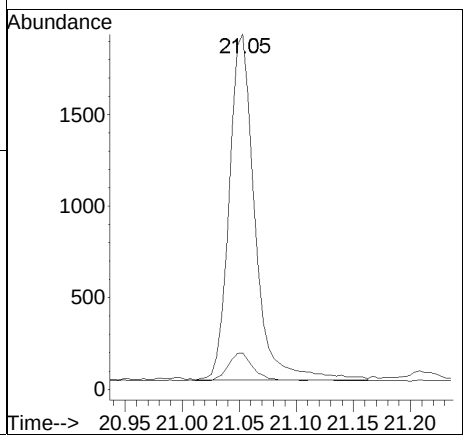




#78
naphthalene
Concen: 0.03 ppbV
RT: 21.05 min Scan# 3900
Delta R.T. 0.009 min
Lab File: R127645.D
Acq: 12 Apr 2013 7:17 pm

Tgt Ion:128 Resp: 2963

Ion	Ratio	Lower	Upper
128	100		
102	10.3	6.2	9.2#

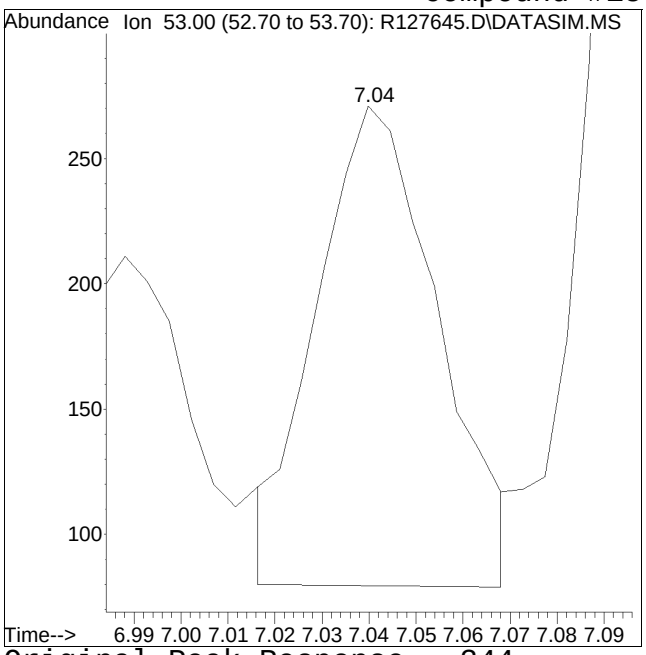


Manual Integration/Negative Proof Report

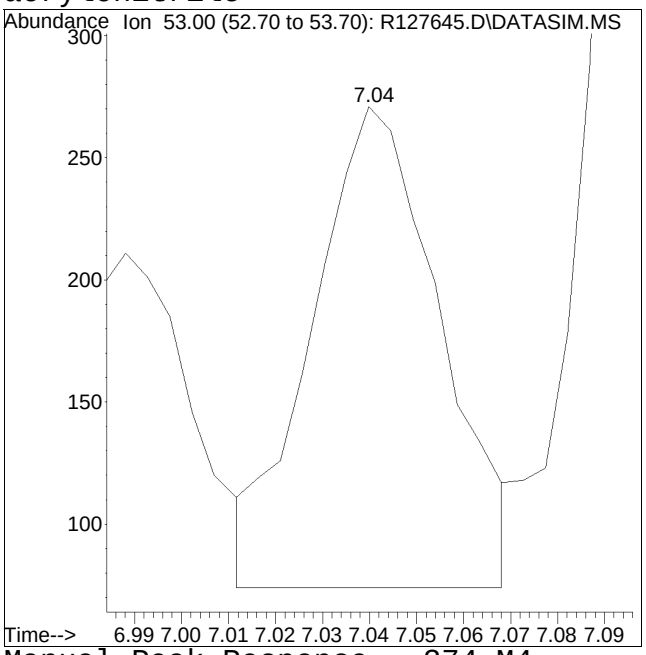
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127645.D
Date Inj'd : 4/12/2013 7:17 pm
Sample : L1306330-06,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #15: acrylonitrile



Original Peak Response = 344



Manual Peak Response = 374 M4

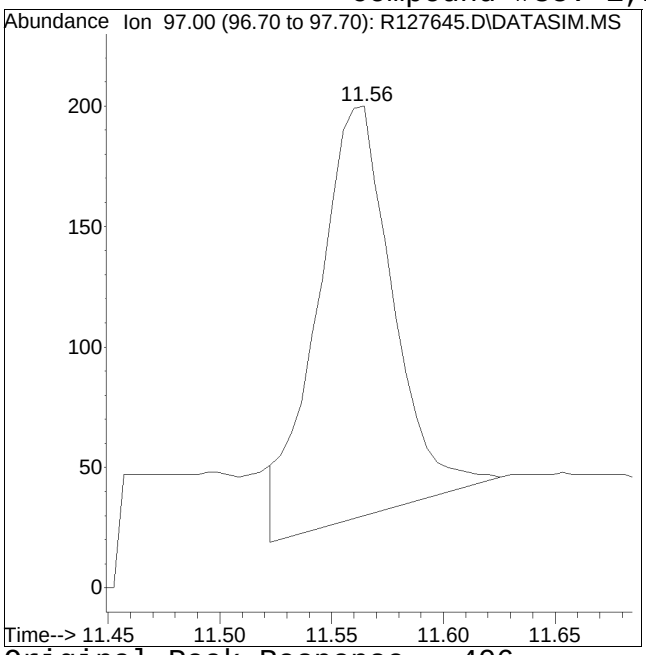
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

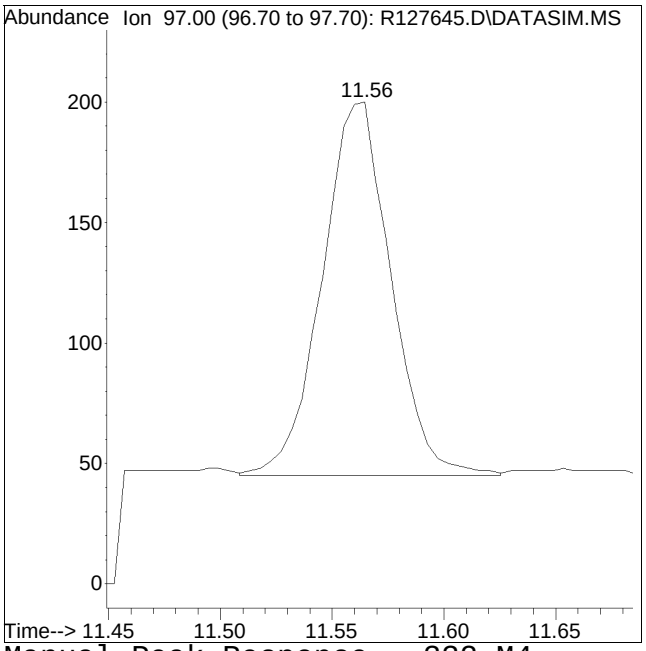
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127645.D
Date Inj'd : 4/12/2013 7:17 pm
Sample : L1306330-06,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 406



Manual Peak Response = 332 M4

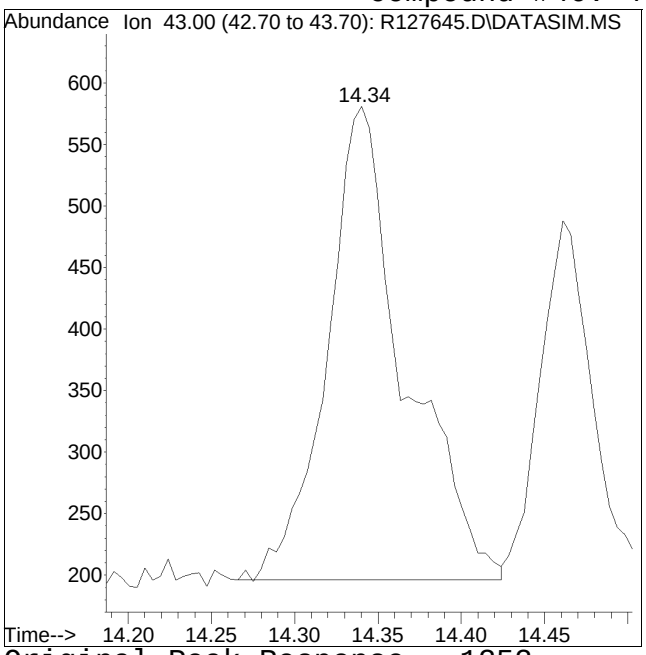
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

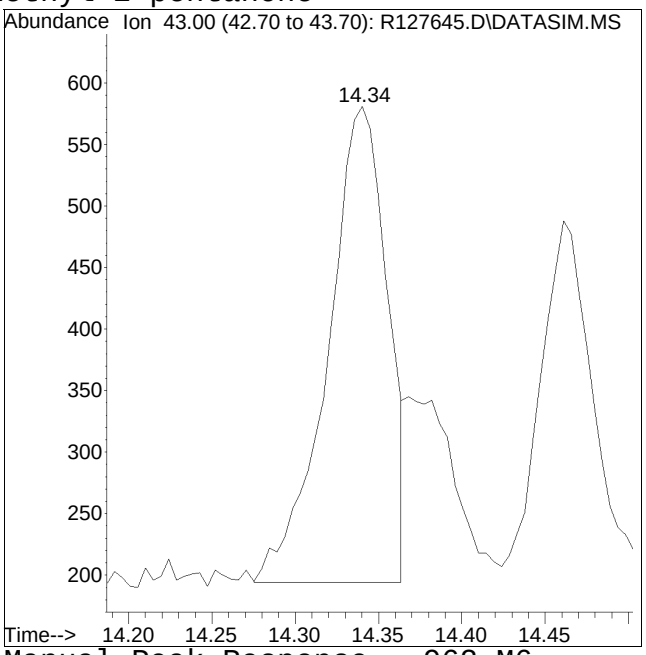
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127645.D
Date Inj'd : 4/12/2013 7:17 pm
Sample : L1306330-06,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 1252



Manual Peak Response = 962 M6

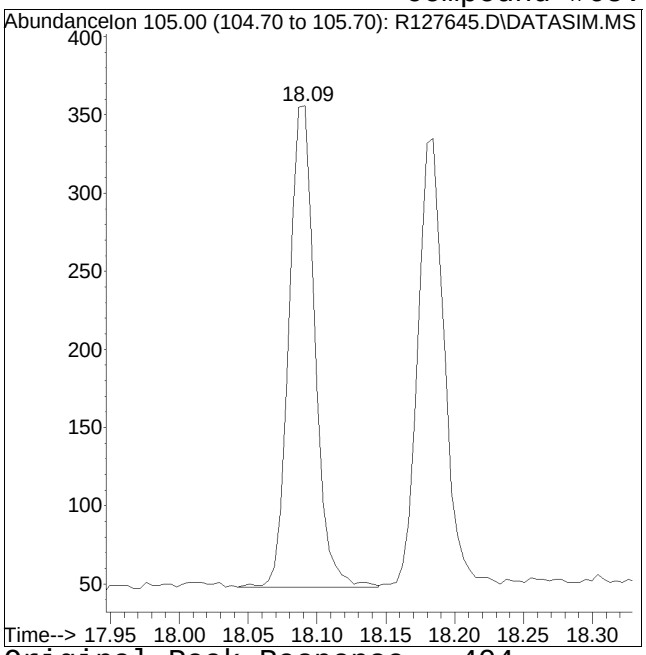
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

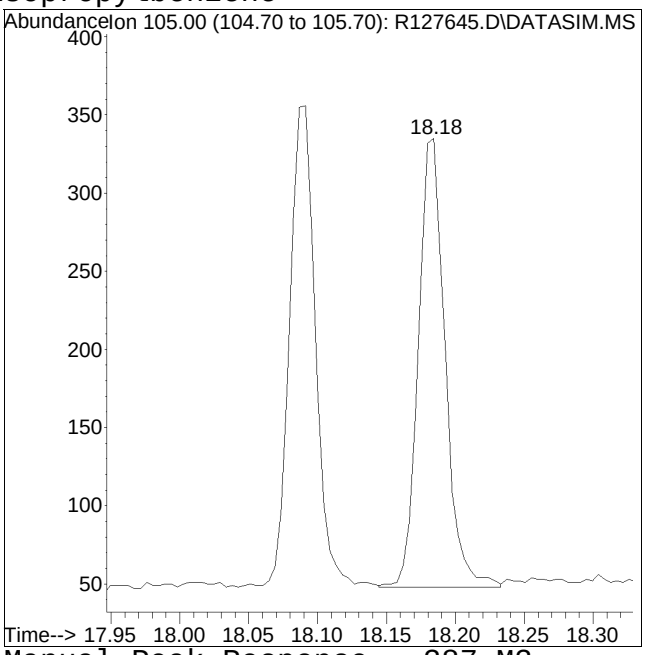
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127645.D
Date Inj'd : 4/12/2013 7:17 pm
Sample : L1306330-06,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #65: isopropylbenzene



Original Peak Response = 404



Manual Peak Response = 387 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127646.D
Acq On : 12 Apr 2013 7:49 pm
Operator : AIRPIANO1:MB
Sample : L1306330-07,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 09:34:16 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	237619	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 88.39%			
32) 1,4-difluorobenzene	12.49	114	546180	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 99.83%			
49) chlorobenzene-D5	16.90	54	134697	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 101.49%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	12761	0.415	ppbV	99
4) chloromethane	4.40	50	10331	0.638	ppbV	99
5) Freon-114	4.55	85	511	0.015	ppbV #	93
6) vinyl chloride	4.69		0	N.D.		
7) 1,3-butadiene	4.91	54	1392	0.127	ppbV #	68
8) bromomethane	5.30	94	183M4	0.015	ppbV	
9) chloroethane	5.55	64	64M4	0.010	ppbV	
12) acetone	6.41	43	134255	5.222	ppbV #	97
13) trichlorofluoromethane	6.62	101	8420	0.228	ppbV	100
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64		0	N.D.		
20) Freon 113	7.99	101	1904	0.074	ppbV	96
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	9.19		0	N.D.		
26) 2-butanone	9.58	43	17883	0.444	ppbV	97
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	348	0.013	ppbV #	78
31) 1,2-dichloroethane	11.28	62	330	0.016	ppbV #	63
35) 1,1,1-trichloroethane	11.56	97	217M4	0.007	ppbV	
36) benzene	12.09	78	7166	0.166	ppbV	97
37) carbon tetrachloride	12.25	117	21504	0.671	ppbV	99
39) 1,2-dichloropropane	13.02	63	119	0.006	ppbV #	43
40) bromodichloromethane	13.23		0	N.D.		
42) trichloroethene	13.29	130	229	0.011	ppbV	91
45) cis-1,3-dichloropropene	14.28		0	N.D.		
46) 4-methyl-2-pentanone	14.34		0	N.D.		
47) trans-1,3-dichloropropene	14.85		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127646.D
Acq On : 12 Apr 2013 7:49 pm
Operator : AIRPIANO1:MB
Sample : L1306330-07,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 09:34:16 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

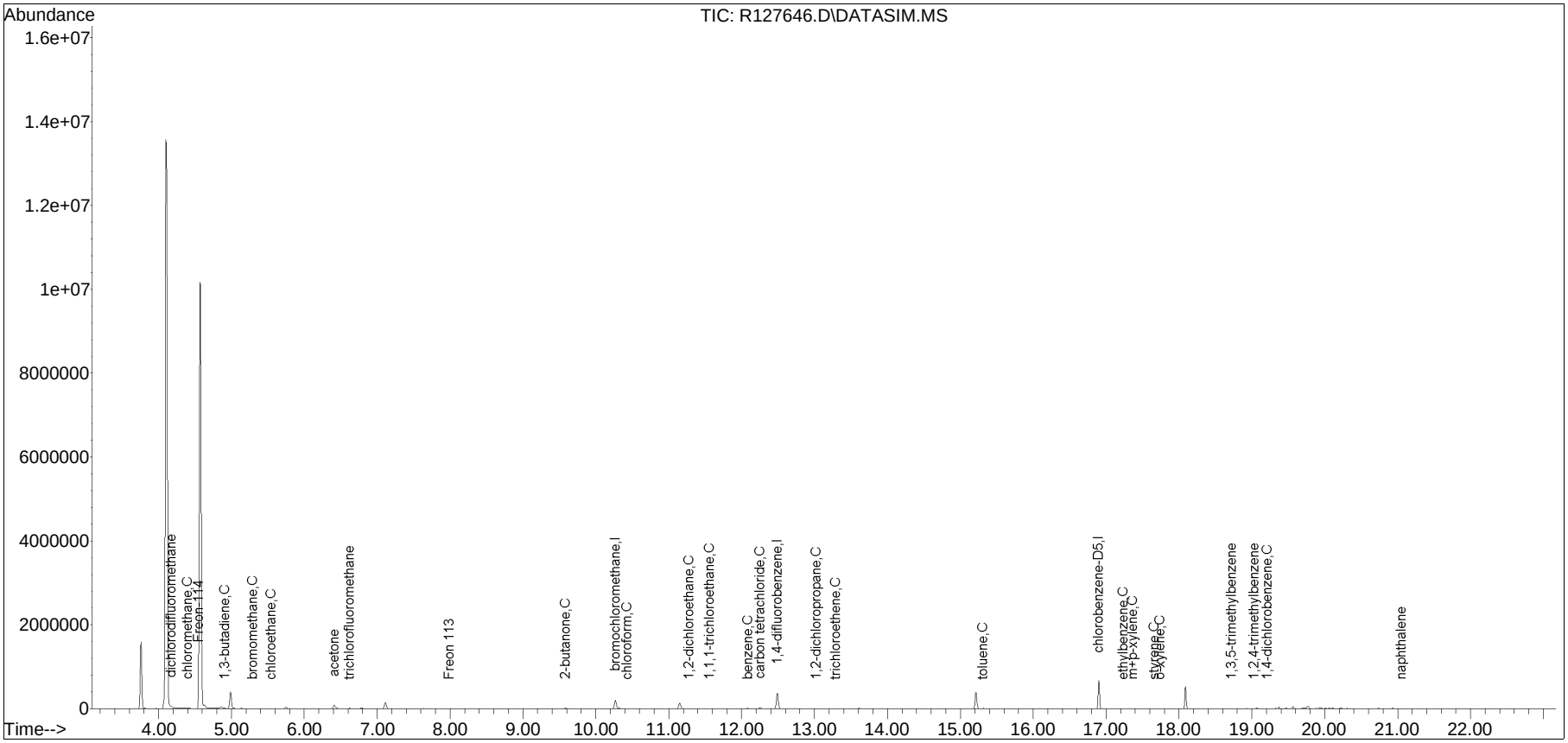
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	5974	0.109	ppbV		98
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.87		0	N.D.			
55) tetrachloroethene	16.37		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.91		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	1183	0.017	ppbV		94
59) m+p-xylene	17.37	91	2640	0.049	ppbV		98
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	618	0.015	ppbV	#	85
62) 1,1,2,2-tetrachloroethane	17.79		0	N.D.			
63) o-xylene	17.74	91	937	0.017	ppbV		93
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.67		0	N.D.			
67) 1,3,5-trimethylbenzene	18.72	105	326	0.005	ppbV	#	85
69) 1,2,4-trimethylbenzene	19.03	105	999M3	0.015	ppbV		
71) 1,3-dichlorobenzene	19.17		0	N.D.			
72) 1,4-dichlorobenzene	19.21	146	1032M4	0.020	ppbV		
73) sec-butylbenzene	19.23		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.63		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	3431	0.035	ppbV	#	94
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

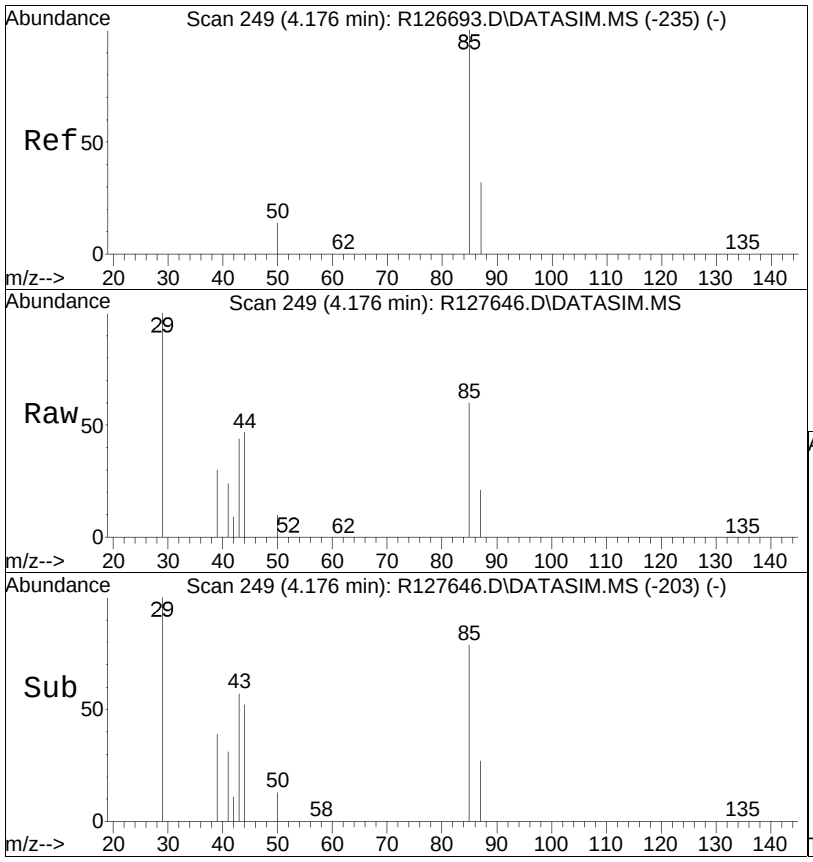
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127646.D
Acq On : 12 Apr 2013 7:49 pm
Operator : AIRPIANO1:MB
Sample : L1306330-07,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 09:34:16 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

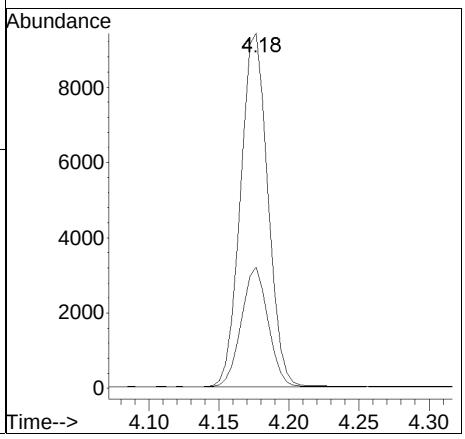


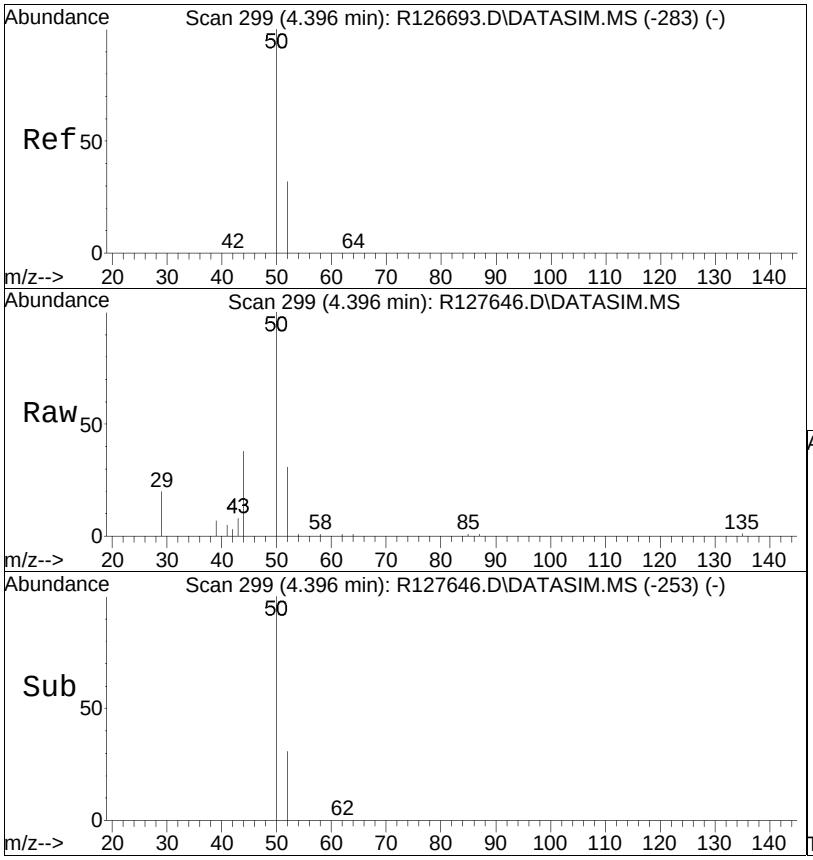


#3
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 85 Resp: 12761

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.6	40.0

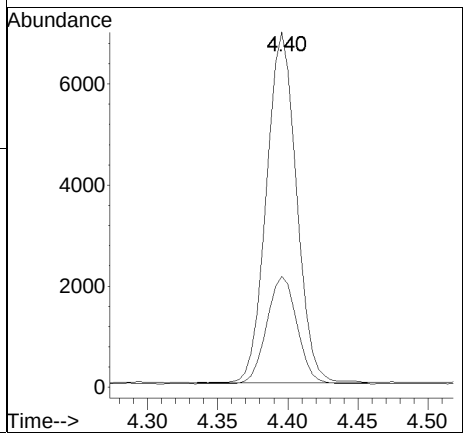


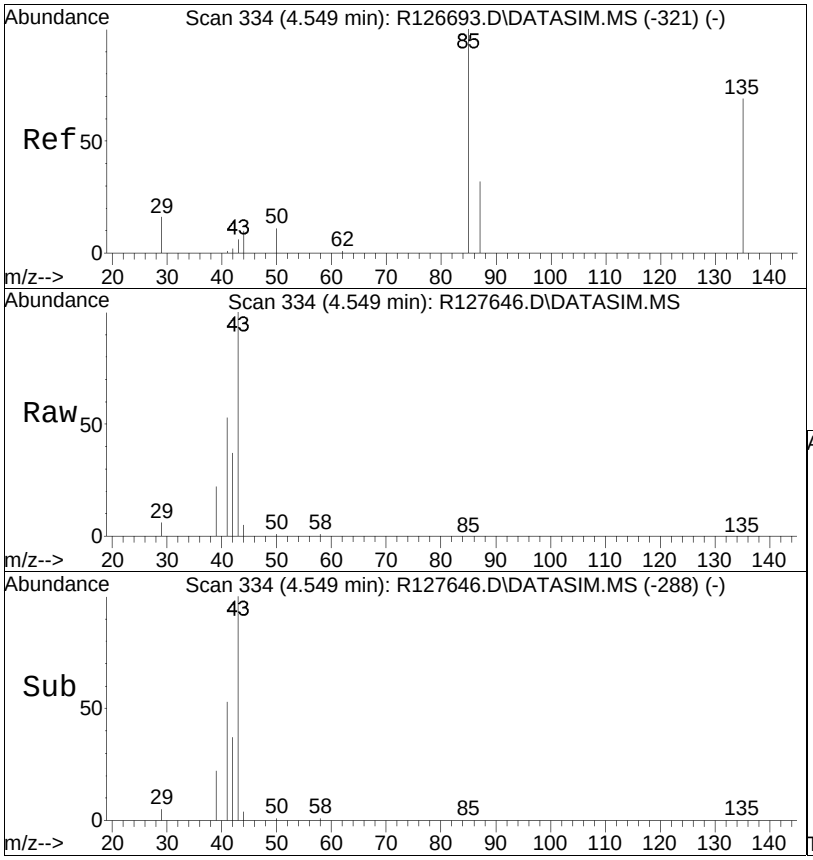


#4
chloromethane
Concen: 0.64 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 50 Resp: 10331

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.3	37.9

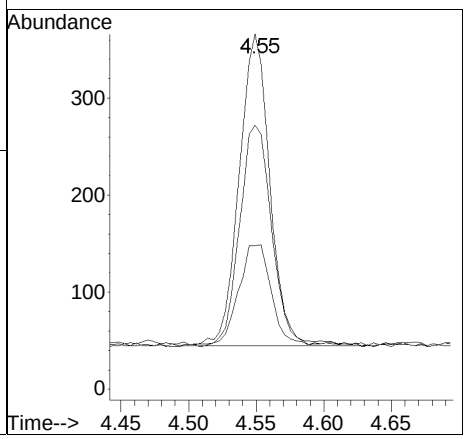


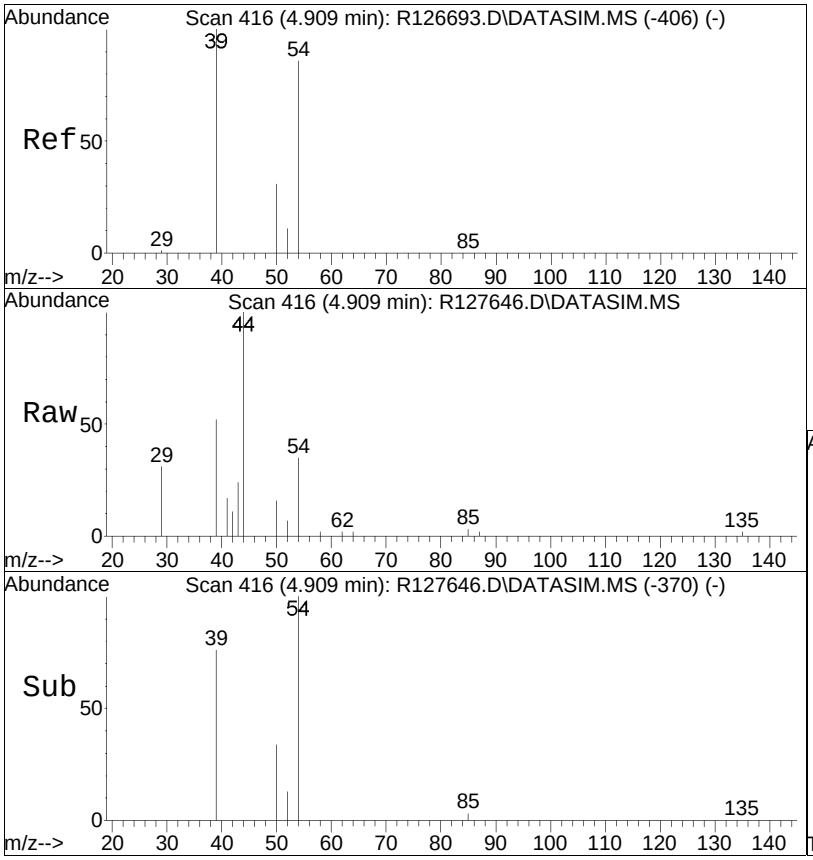


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 85 Resp: 511

Ion	Ratio	Lower	Upper
85	100		
87	40.4	26.5	39.7#
135	74.3	56.9	85.3

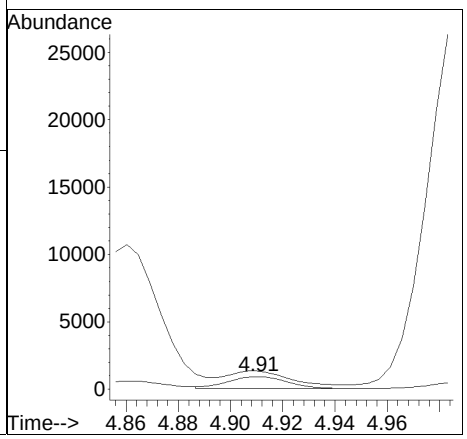


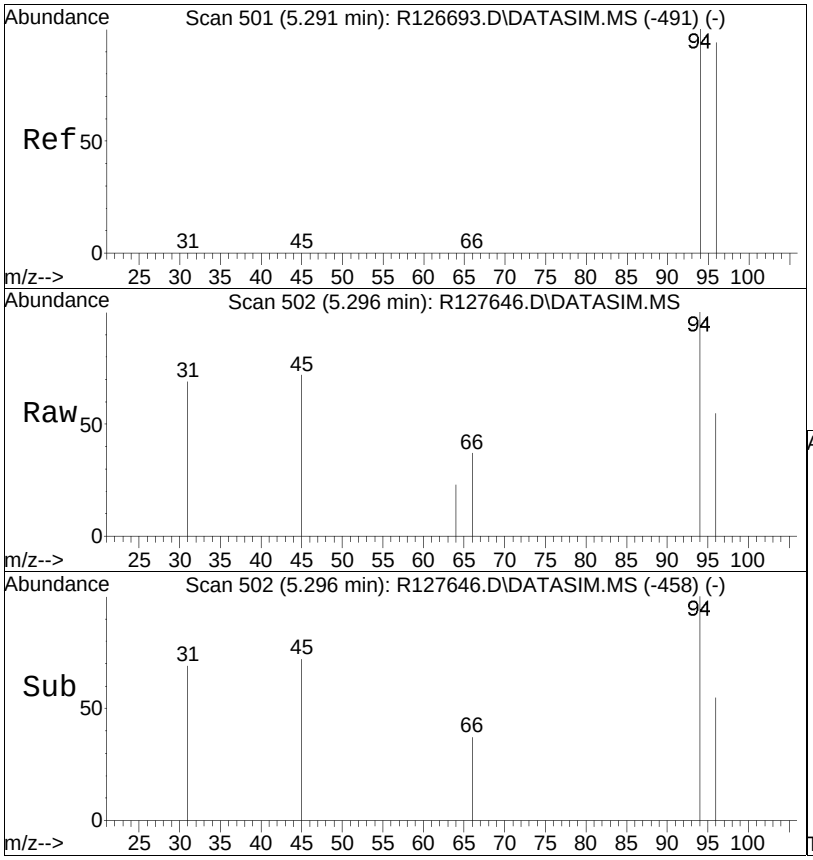


#7
1,3-butadiene
Concen: 0.13 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 54 Resp: 1392

Ion	Ratio	Lower	Upper
54	100		
39	149.8	92.4	138.6#

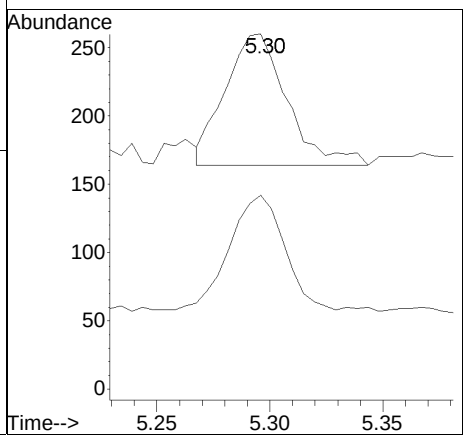


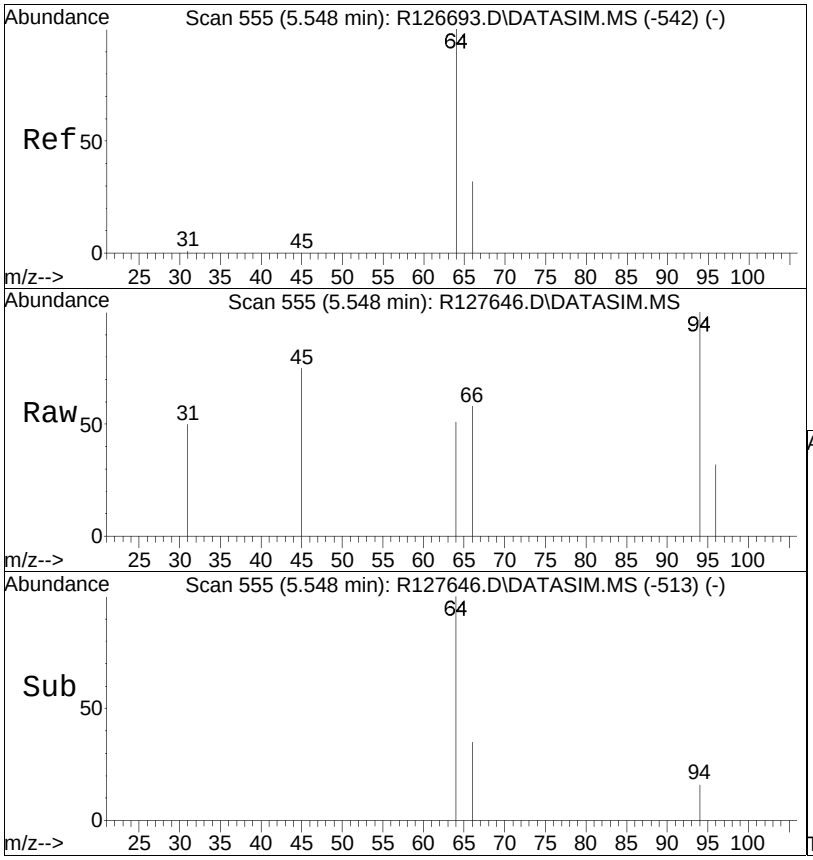


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 94 Resp: 183

Ion	Ratio	Lower	Upper
94	100		
96	54.6	76.9	115.3#

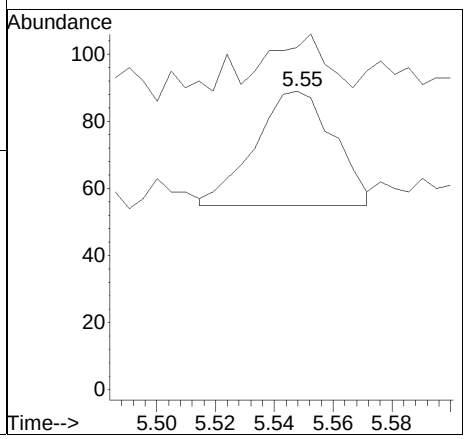


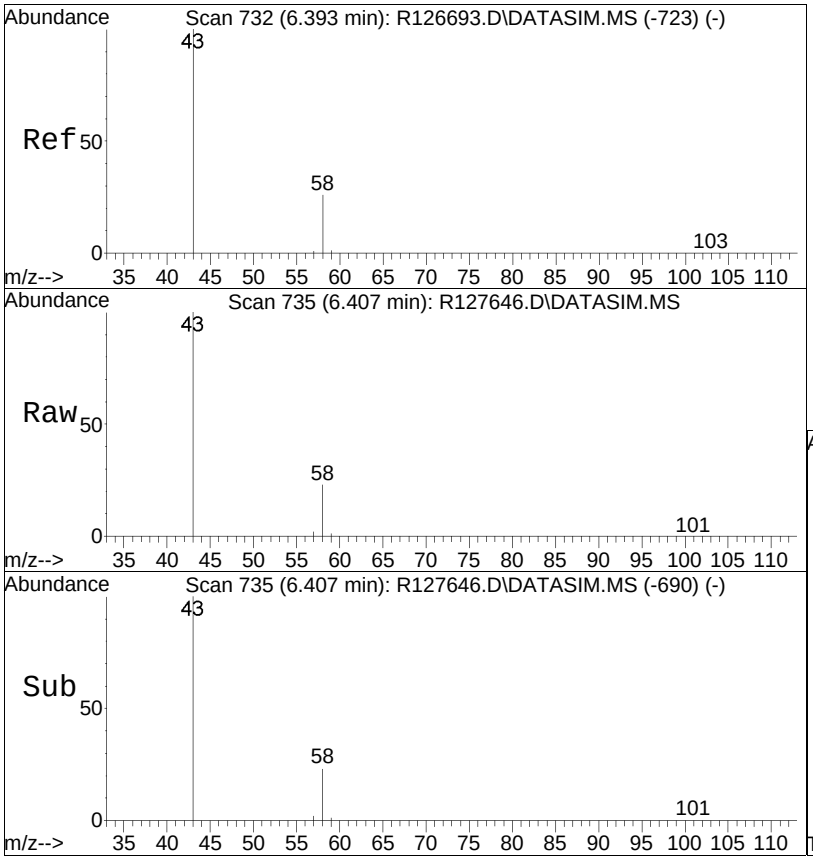


#9
chloroethane
Concen: 0.01 ppbV m
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 64 Resp: 64

Ion	Ratio	Lower	Upper
64	100		
66	114.6	25.5	38.3#

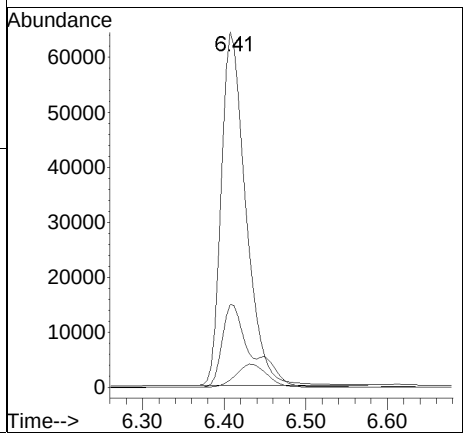


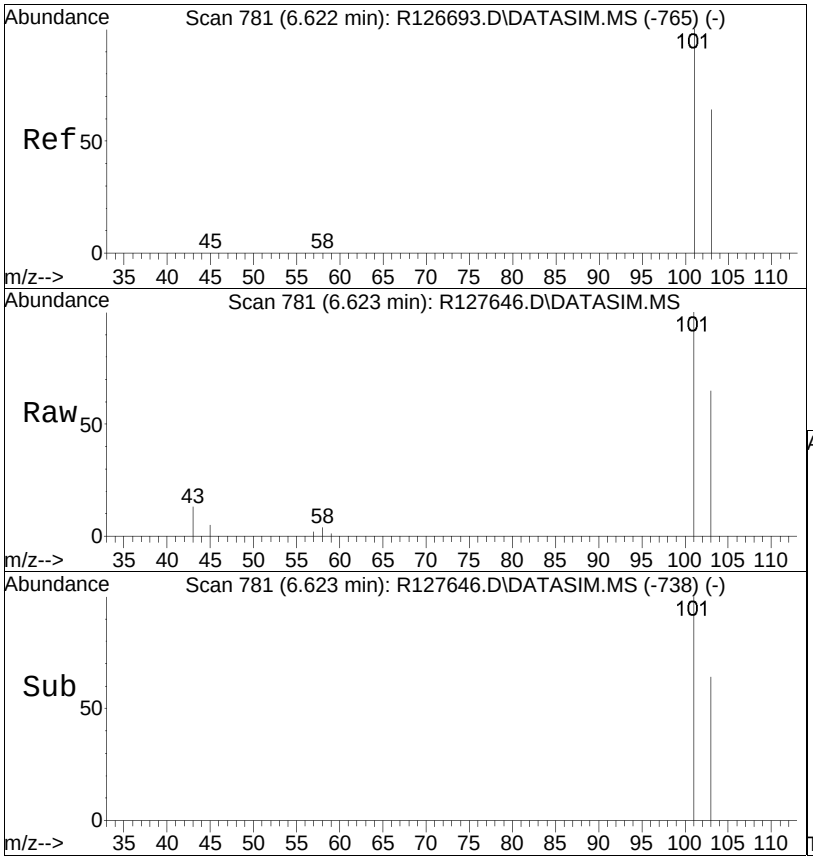


#12
acetone
Concen: 5.22 ppbV
RT: 6.41 min Scan# 735
Delta R.T. 0.014 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 43 Resp: 134255

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.0	30.0
57	2.1	0.6	1.0#

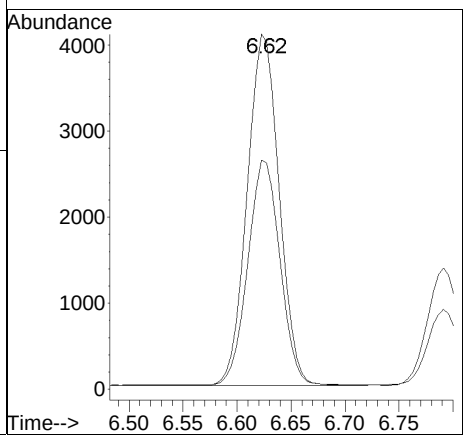


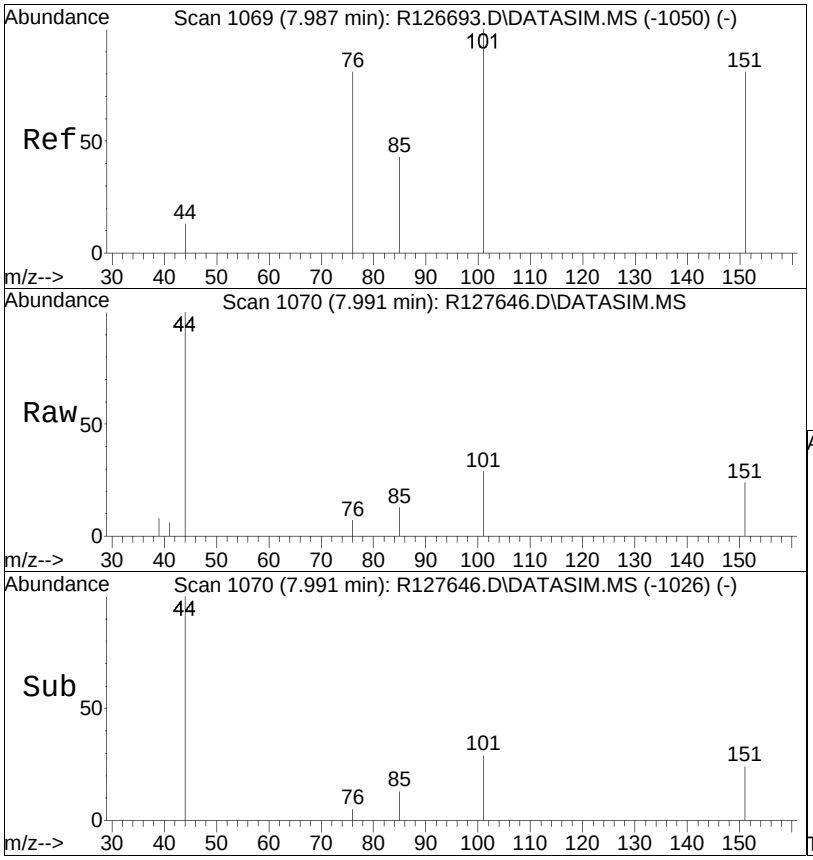


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:101 Resp: 8420

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

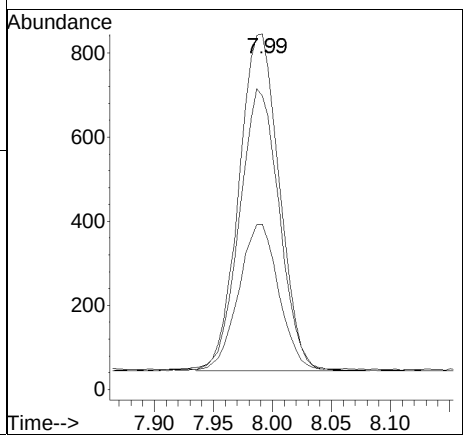


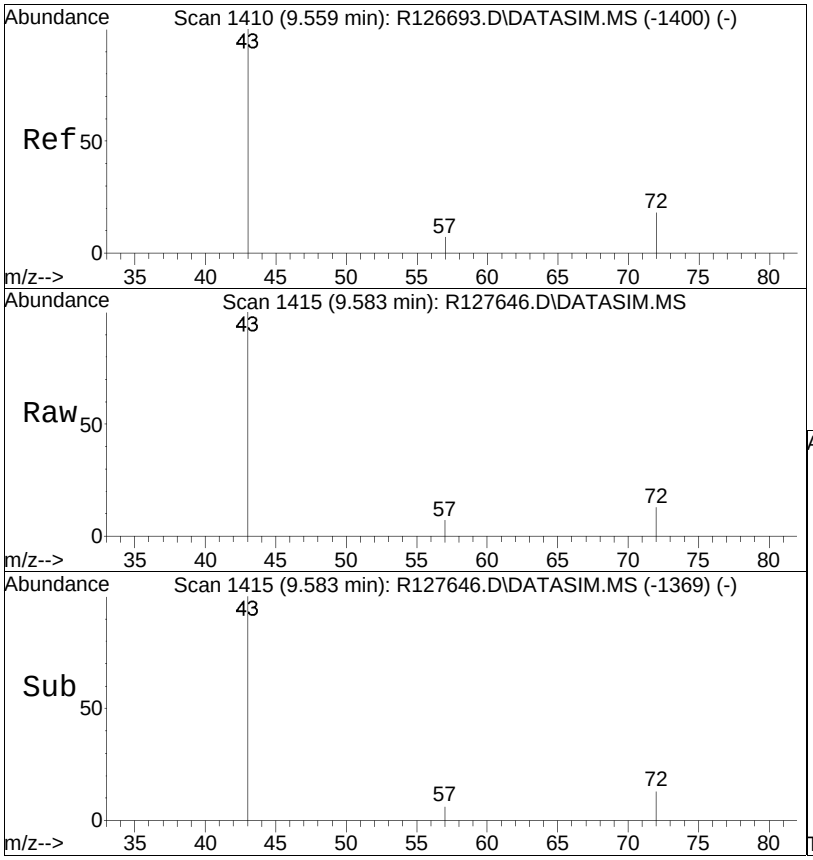


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:101 Resp: 1904

Ion	Ratio	Lower	Upper
101	100		
85	46.5	34.2	51.2
151	82.6	67.8	101.8

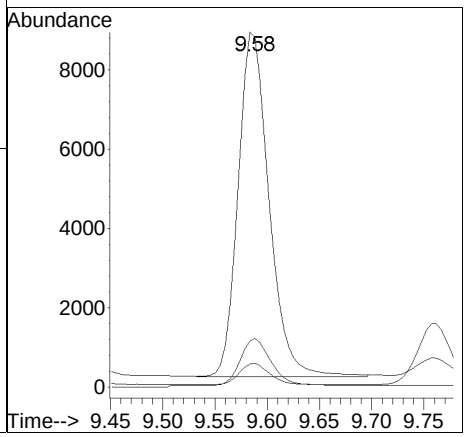


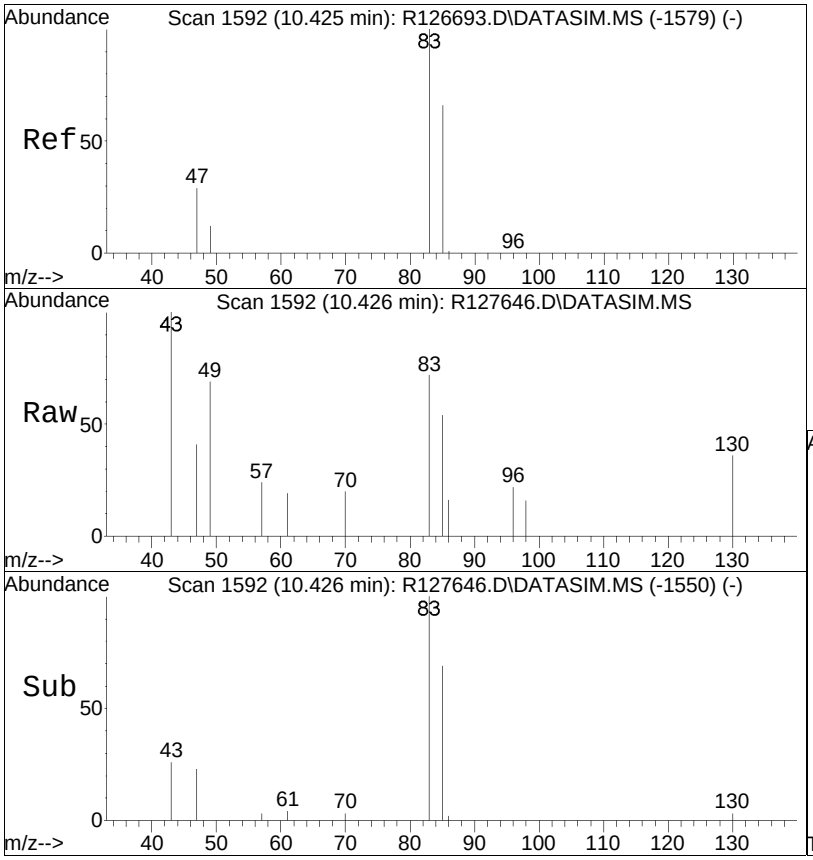


#26
2-butanone
Concen: 0.44 ppbV
RT: 9.58 min Scan# 1415
Delta R.T. 0.019 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 43 Resp: 17883

Ion	Ratio	Lower	Upper
43	100		
72	13.0	12.0	18.0
57	6.6	5.2	7.8

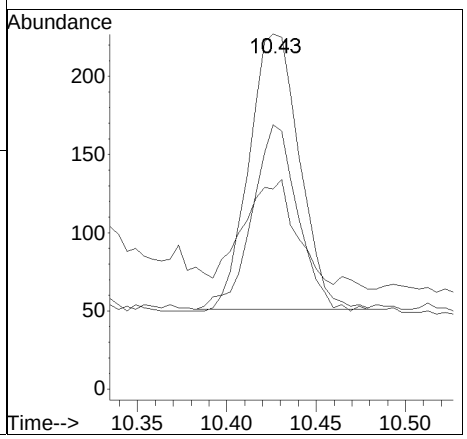


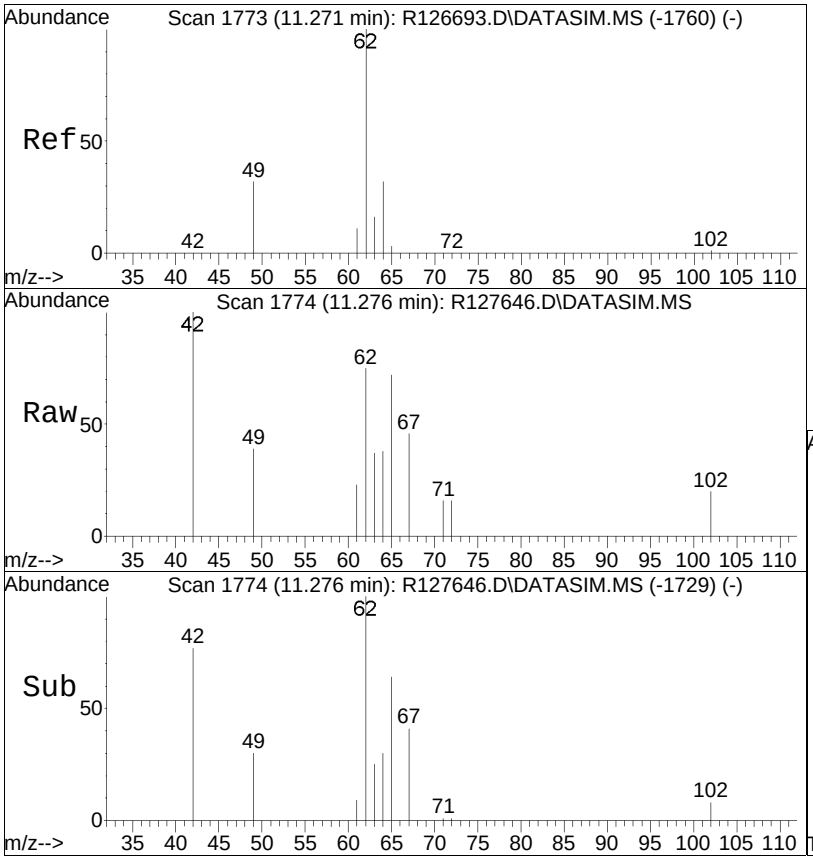


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 83 Resp: 348

Ion	Ratio	Lower	Upper
83	100		
85	74.4	52.2	78.2
47	56.4	26.4	39.6#

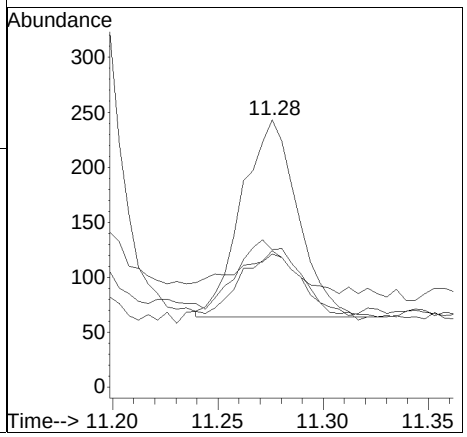


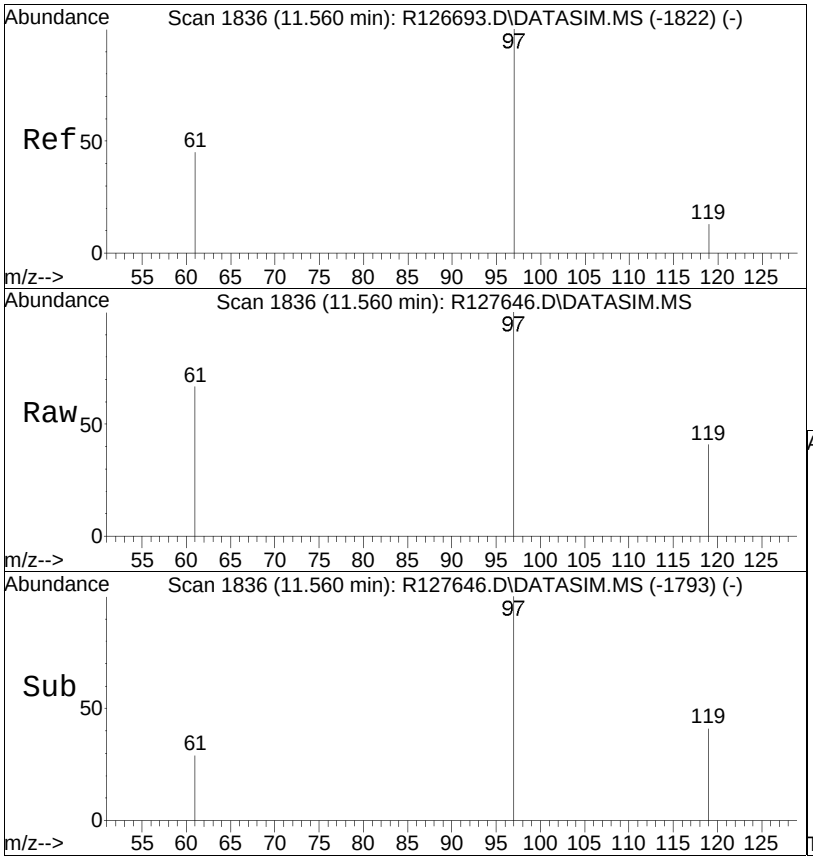


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 62 Resp: 330

Ion	Ratio	Lower	Upper
62	100		
64	51.0	25.0	37.6#
49	51.4	31.2	46.8#
63	49.8	13.3	19.9#

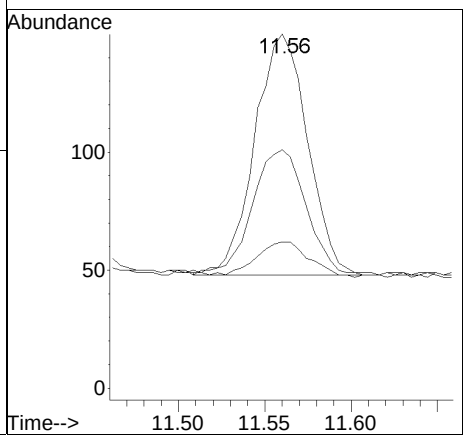


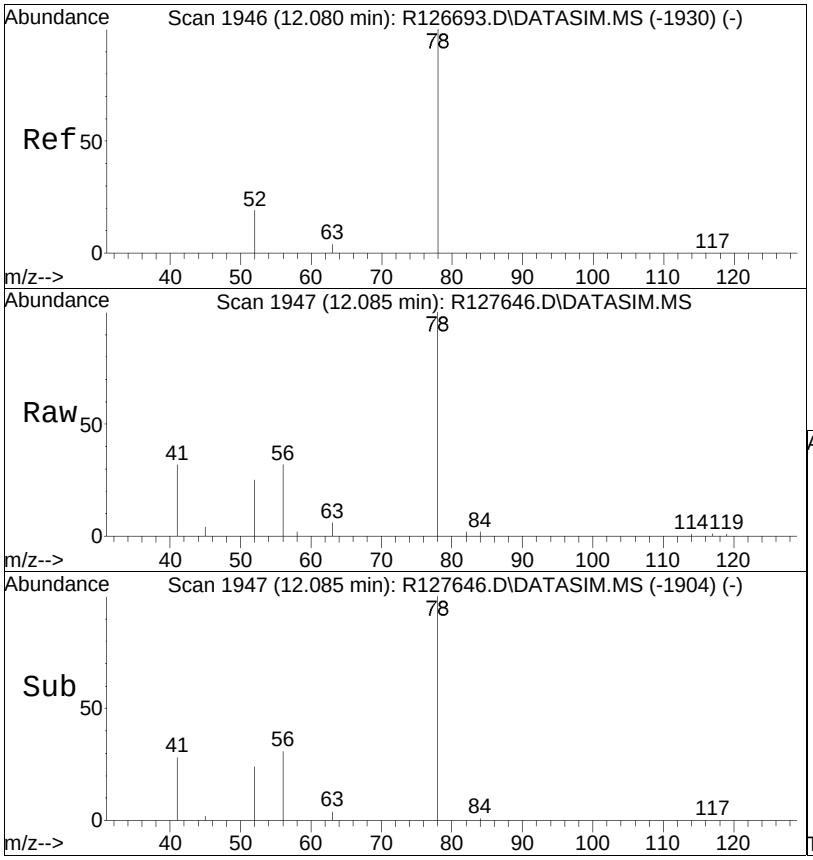


#35
1,1,1-trichloroethane
Concen: 0.01 ppbV m
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 97 Resp: 217

Ion	Ratio	Lower	Upper
97	100		
61	67.3	38.6	58.0#
119	41.3	11.0	16.6#

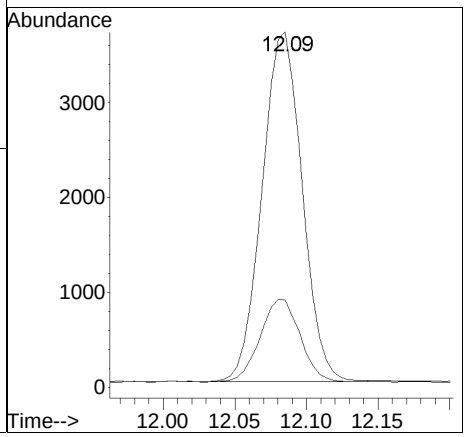


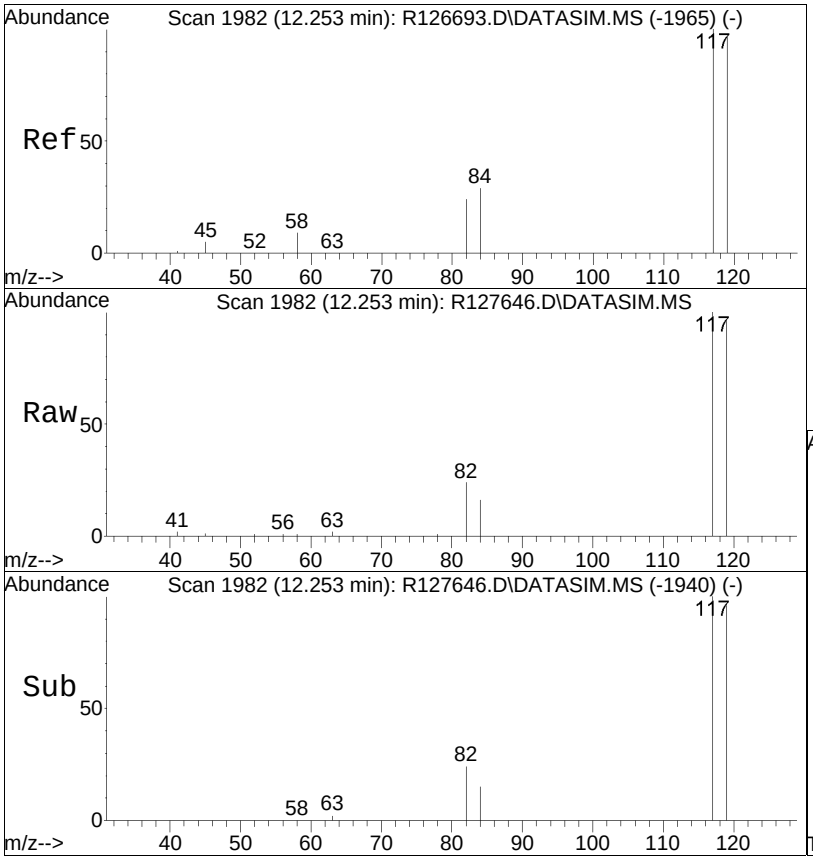


#36
benzene
Concen: 0.17 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 78 Resp: 7166

Ion	Ratio	Lower	Upper
78	100		
52	24.7	18.5	27.7

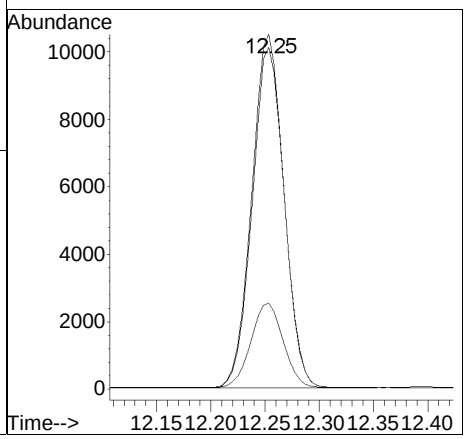


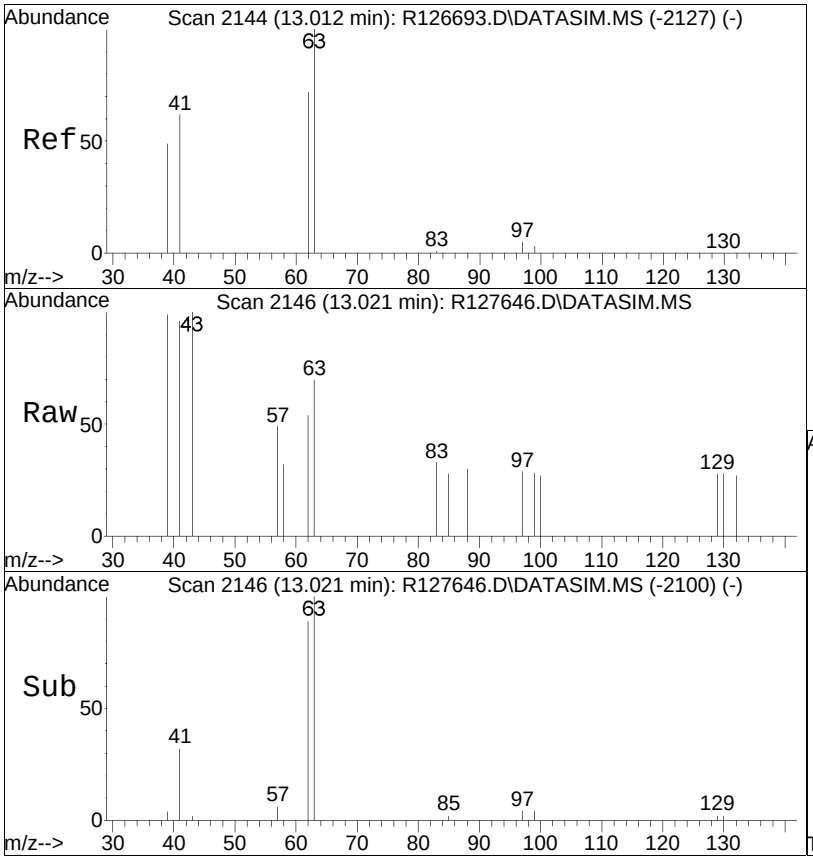


#37
carbon tetrachloride
Concen: 0.67 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:117 Resp: 21504

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
82	24.4	18.2	27.2

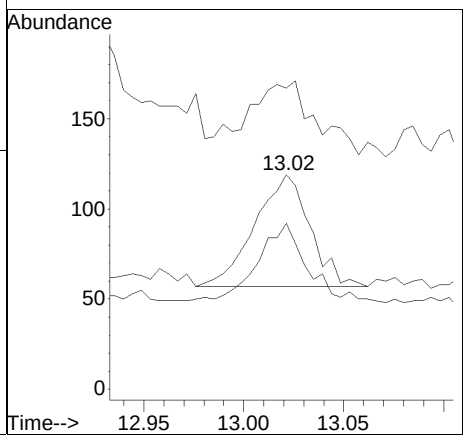


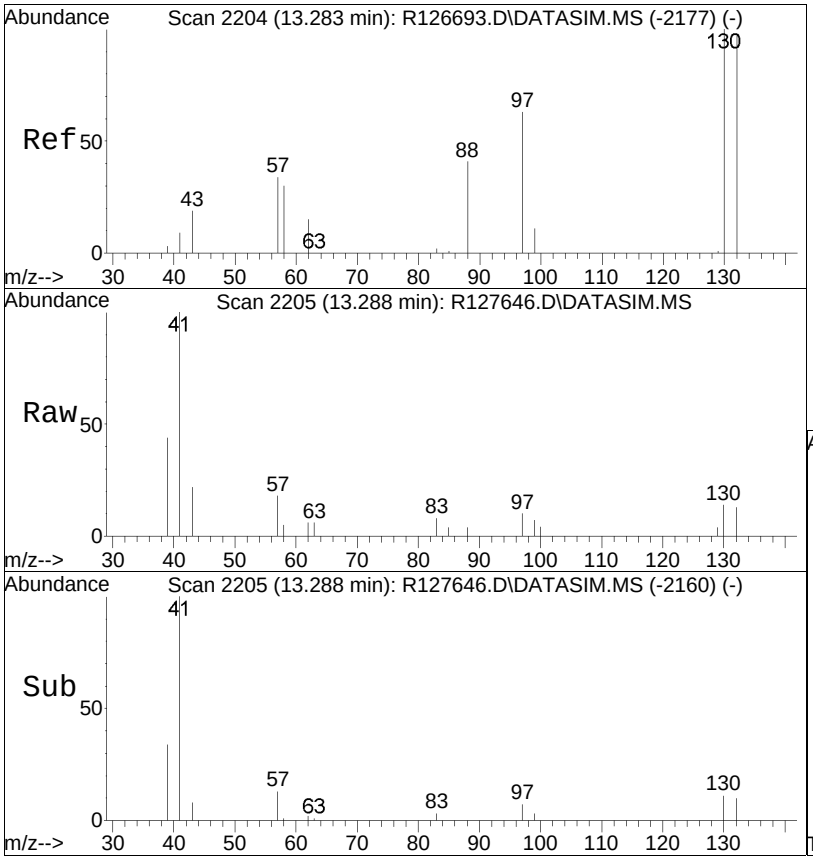


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.02 min Scan# 2146
Delta R.T. 0.009 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 63 Resp: 119

Ion	Ratio	Lower	Upper
63	100		
62	77.3	59.4	89.2
39	140.3	35.9	53.9#

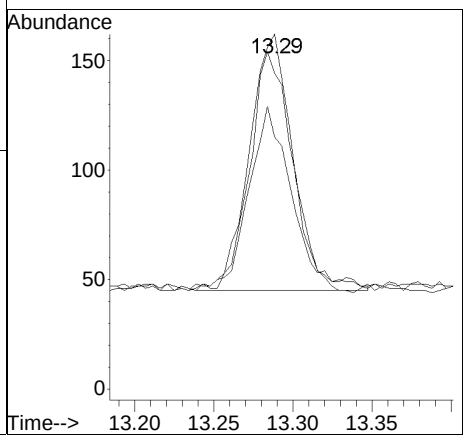


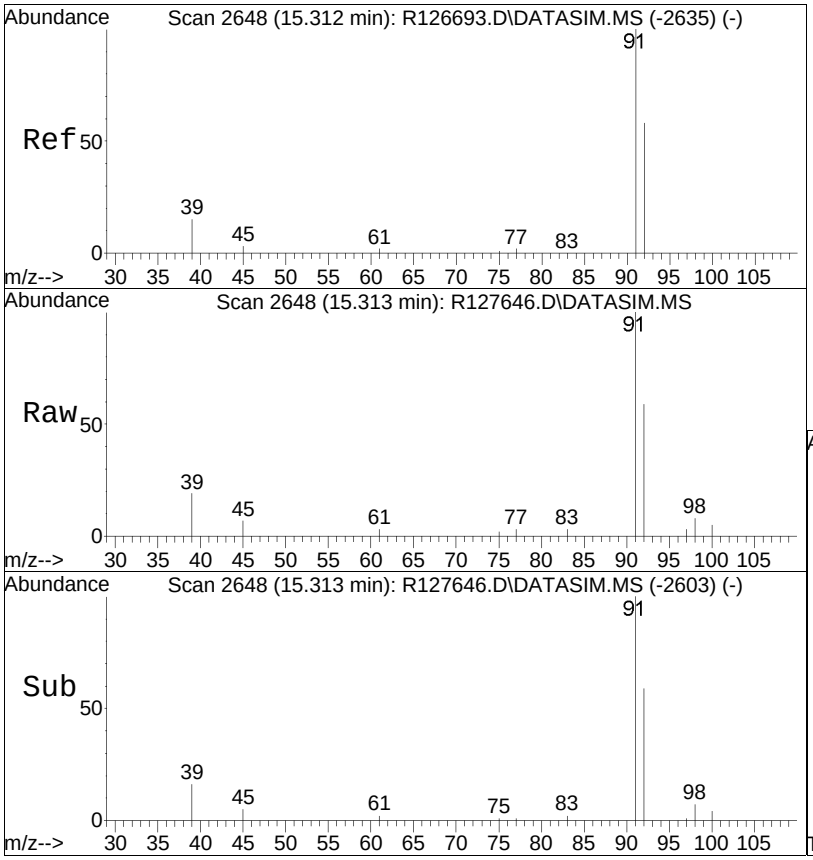


#42
trichloroethene
Concen: 0.01 ppbV
RT: 13.29 min Scan# 2205
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:130 Resp: 229

Ion	Ratio	Lower	Upper
130	100		
132	88.9	77.3	115.9
97	71.0	50.6	75.8

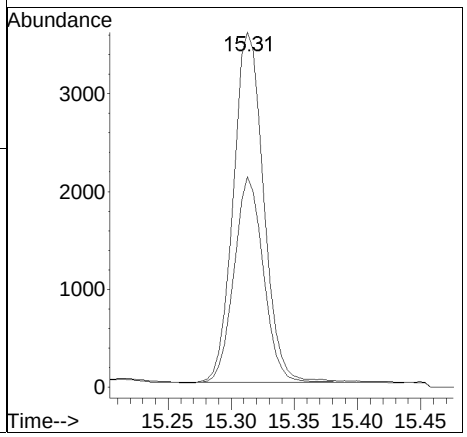


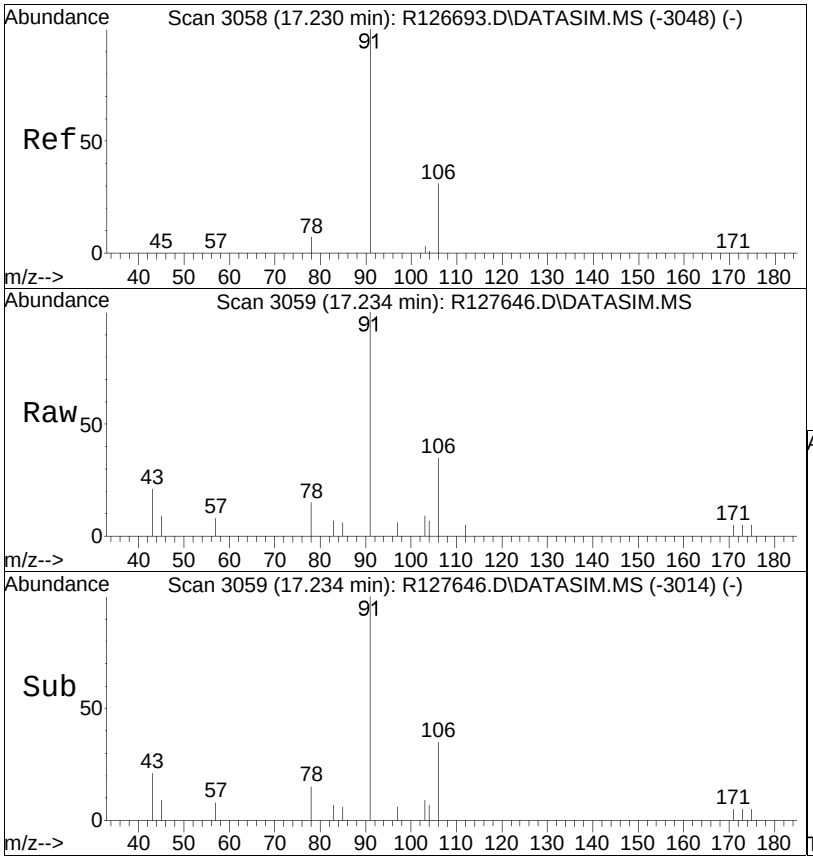


#50
toluene
Concen: 0.11 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 91 Resp: 5974

Ion	Ratio	Lower	Upper
91	100		
92	59.3	46.4	69.6

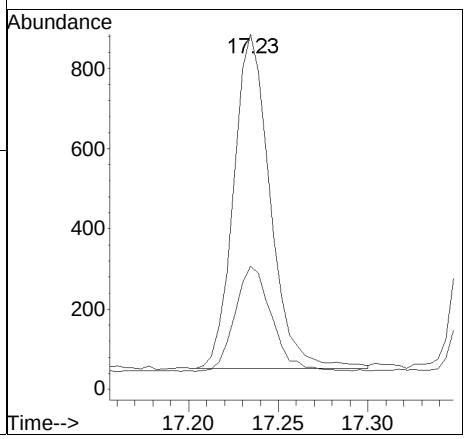


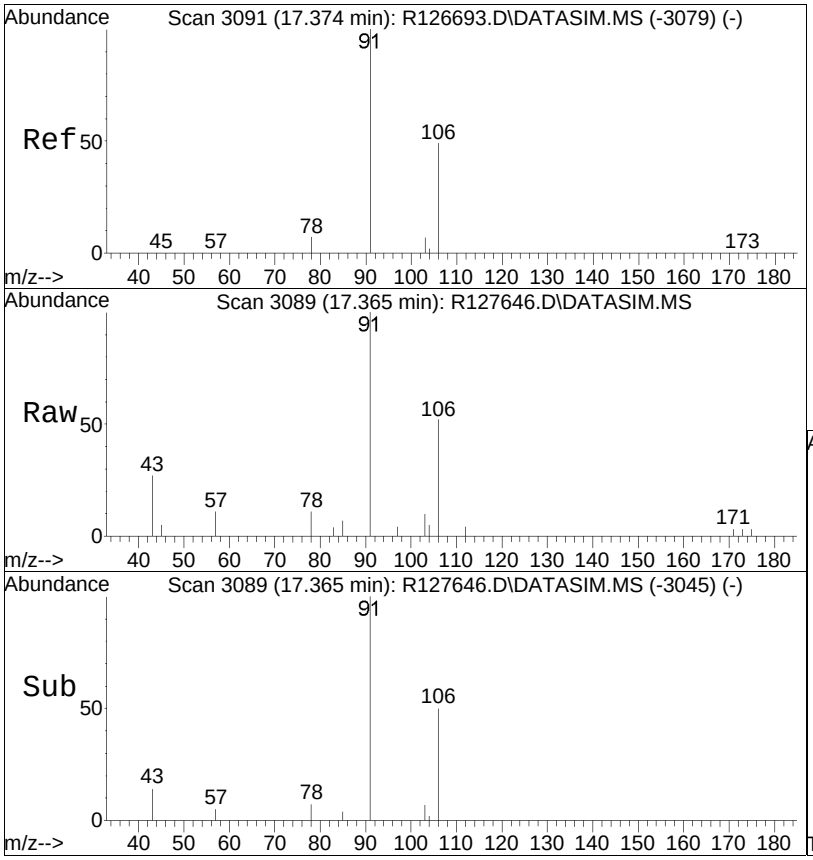


#58
ethylbenzene
Concen: 0.02 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 91 Resp: 1183

Ion	Ratio	Lower	Upper
91	100		
106	34.7	25.3	37.9

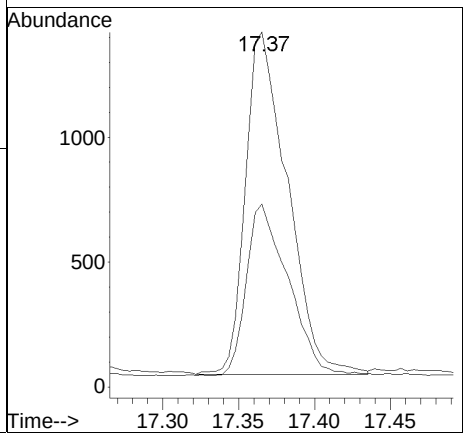


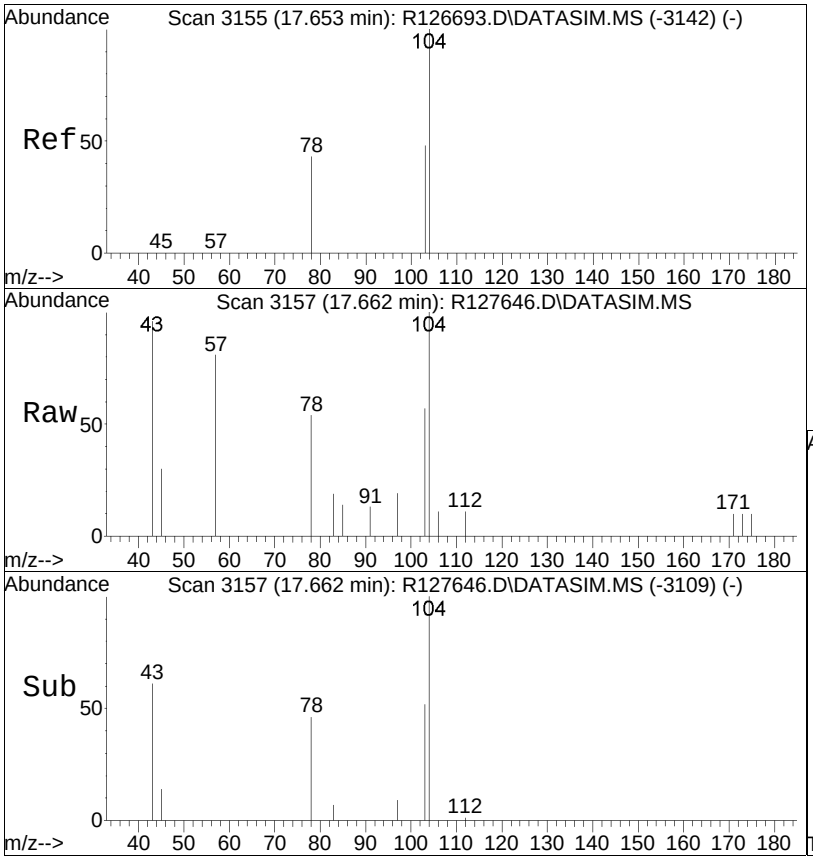


#59
m+p-xylene
Concen: 0.05 ppbV
RT: 17.37 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 91 Resp: 2640

Ion	Ratio	Lower	Upper
91	100		
106	51.6	40.0	60.0

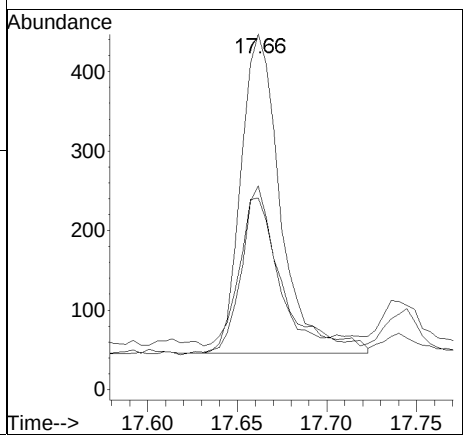


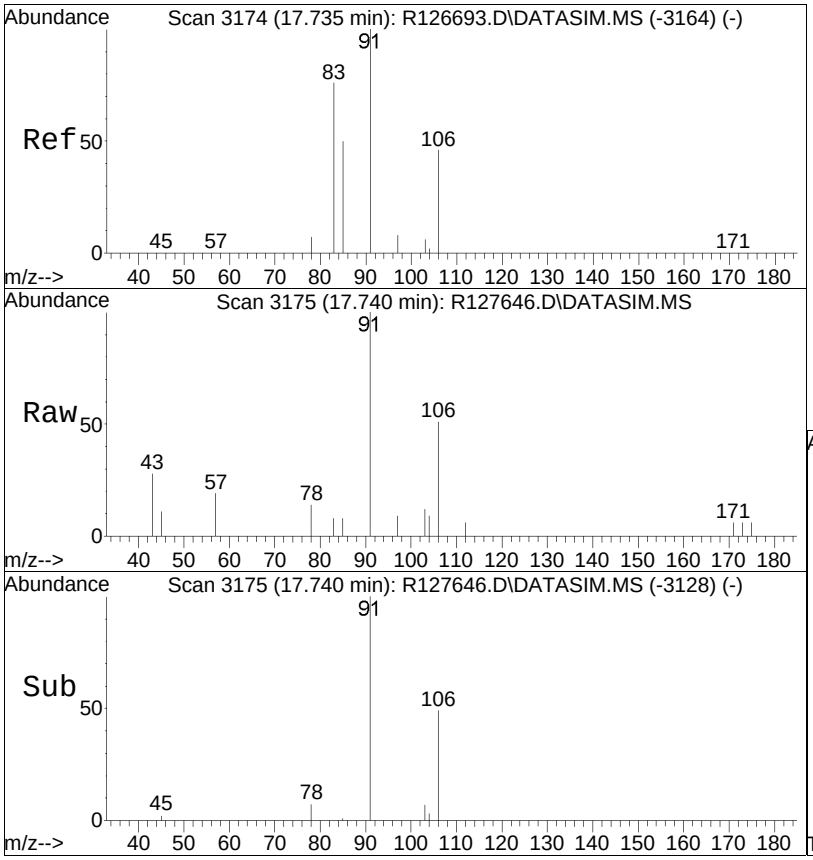


#61
styrene
Concen: 0.01 ppbV
RT: 17.66 min Scan# 3157
Delta R.T. 0.009 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:104 Resp: 618

Ion	Ratio	Lower	Upper
104	100		
103	57.3	38.3	57.5
78	53.9	35.0	52.6#

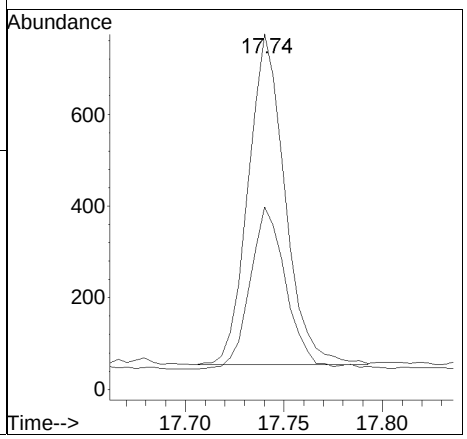


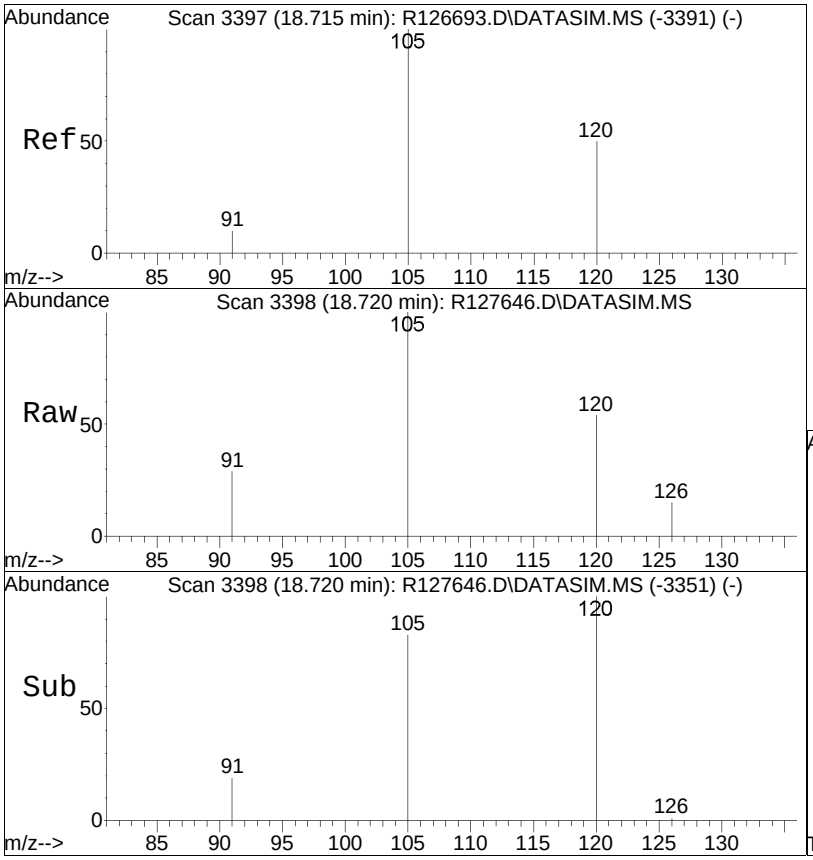


#63
o-xylene
Concen: 0.02 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion: 91 Resp: 937

Ion	Ratio	Lower	Upper
91	100		
106	51.4	37.1	55.7

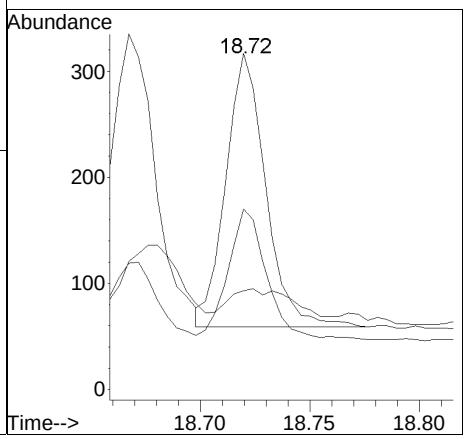


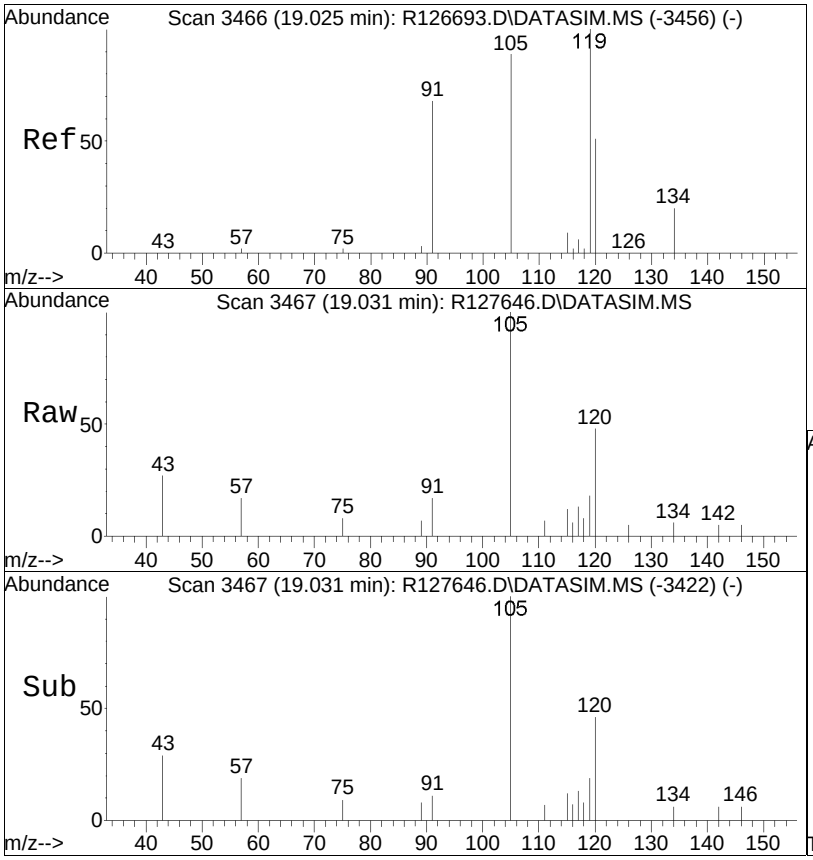


#67
1,3,5-trimethylbenzene
Concen: 0.00 ppbV
RT: 18.72 min Scan# 3398
Delta R.T. 0.004 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:105 Resp: 326

Ion	Ratio	Lower	Upper
105	100		
120	53.6	39.0	58.4
91	29.3	8.0	12.0#

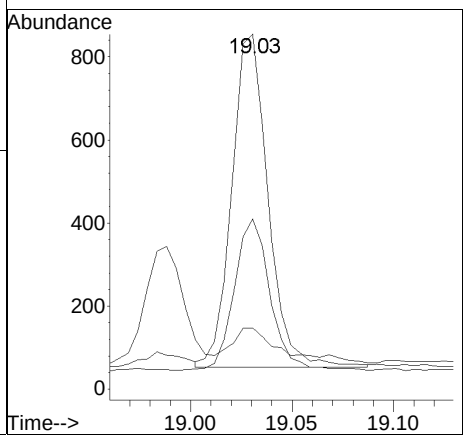


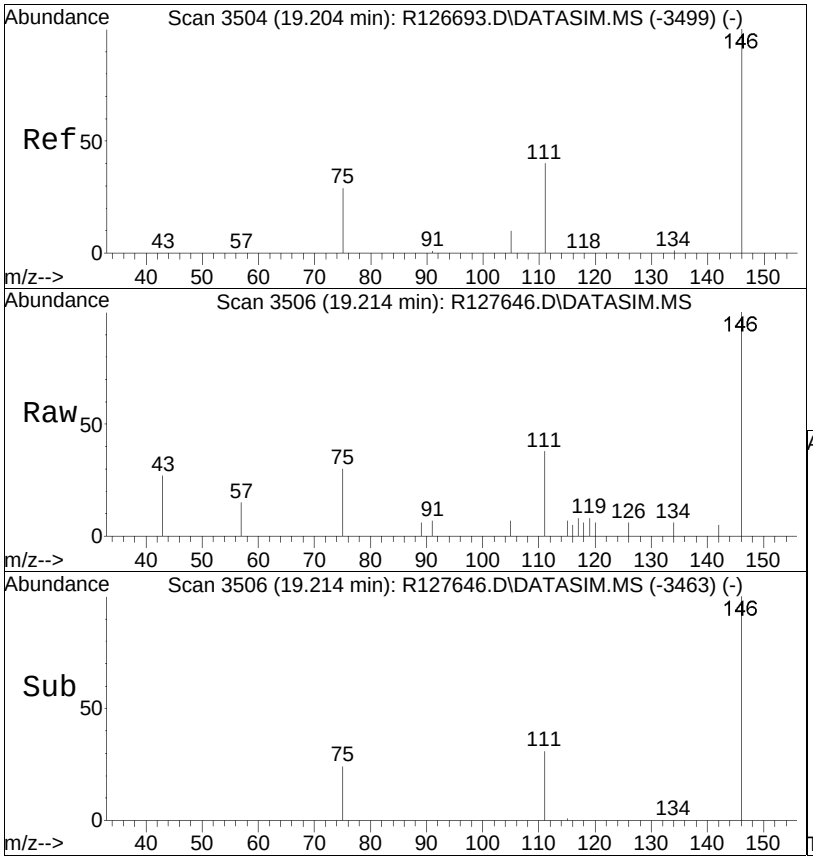


#69
1,2,4-trimethylbenzene
Concen: 0.01 ppbV m
RT: 19.03 min Scan# 3467
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:105 Resp: 999

Ion	Ratio	Lower	Upper
105	100		
120	48.0	44.9	67.3
91	17.3	58.6	88.0#

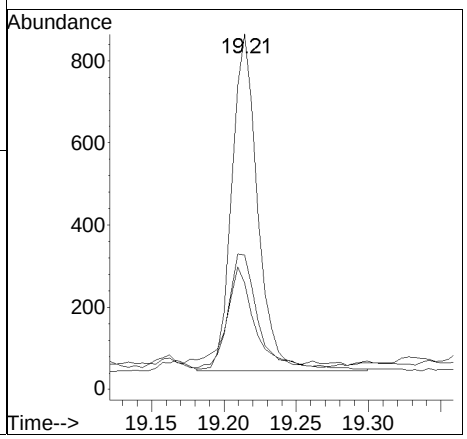


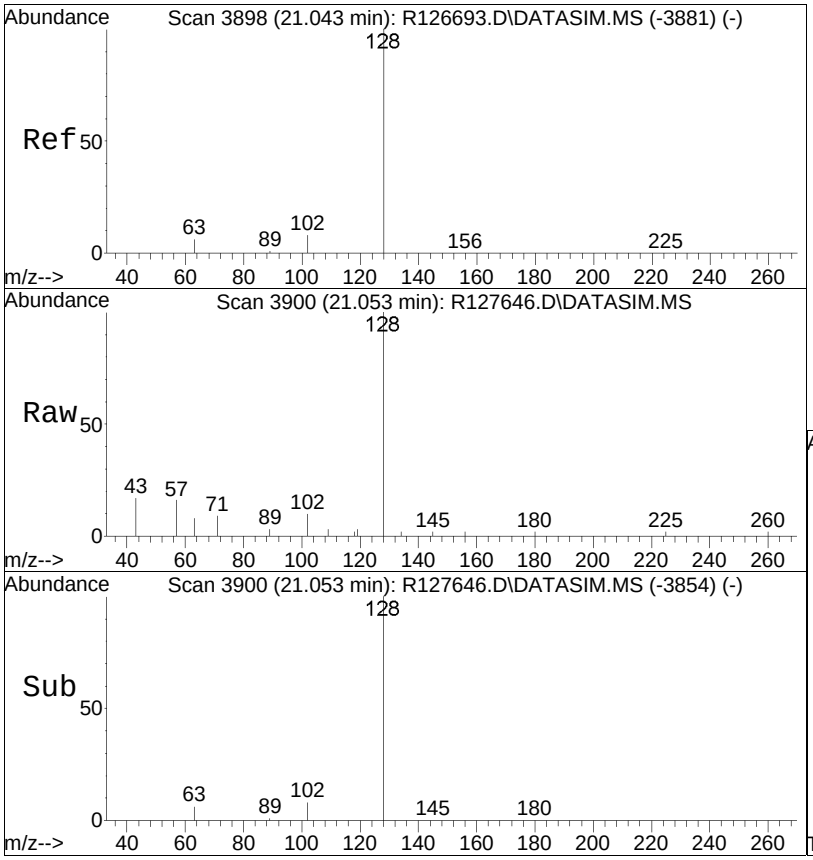


#72
1,4-dichlorobenzene
Concen: 0.02 ppbV m
RT: 19.21 min Scan# 3506
Delta R.T. 0.005 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:146 Resp: 1032

Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.4	39.6
75	29.9	18.0	27.0#

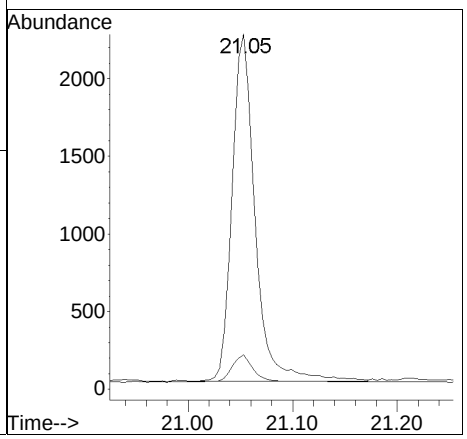




#78
naphthalene
Concen: 0.03 ppbV
RT: 21.05 min Scan# 3900
Delta R.T. 0.009 min
Lab File: R127646.D
Acq: 12 Apr 2013 7:49 pm

Tgt Ion:128 Resp: 3431

Ion	Ratio	Lower	Upper
128	100		
102	9.7	6.2	9.2#

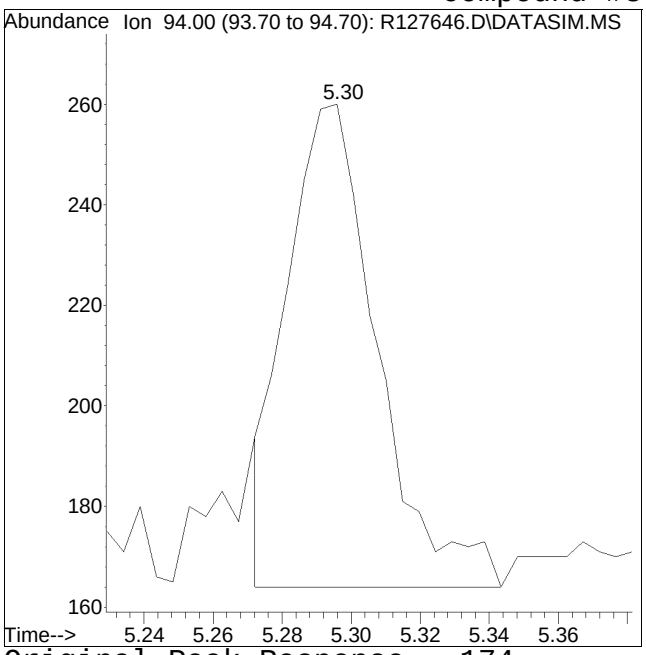


Manual Integration/Negative Proof Report

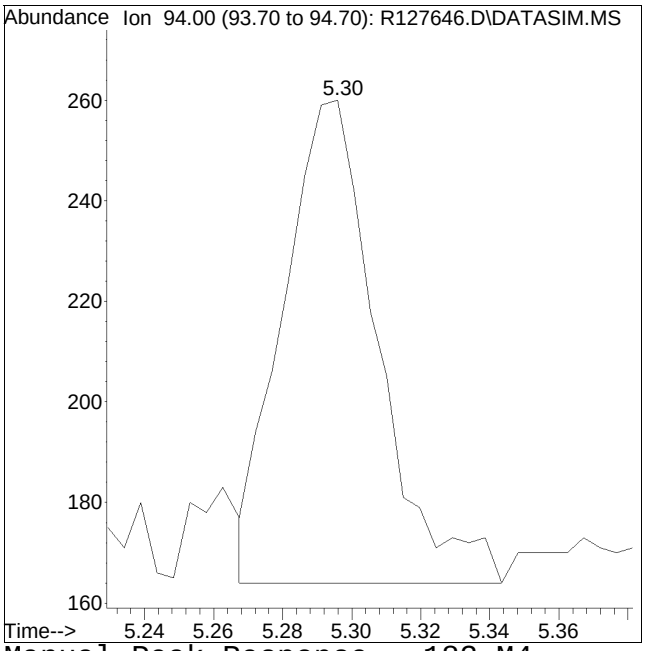
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #8: bromomethane



Original Peak Response = 174



Manual Peak Response = 183 M4

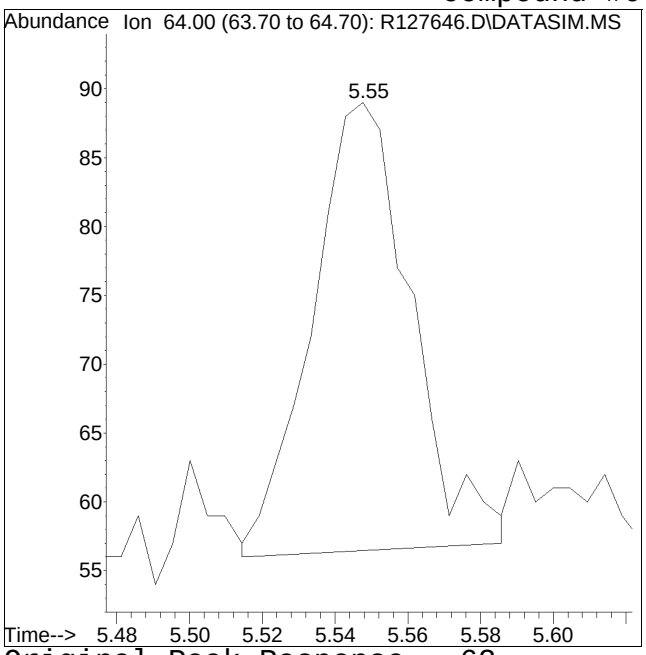
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

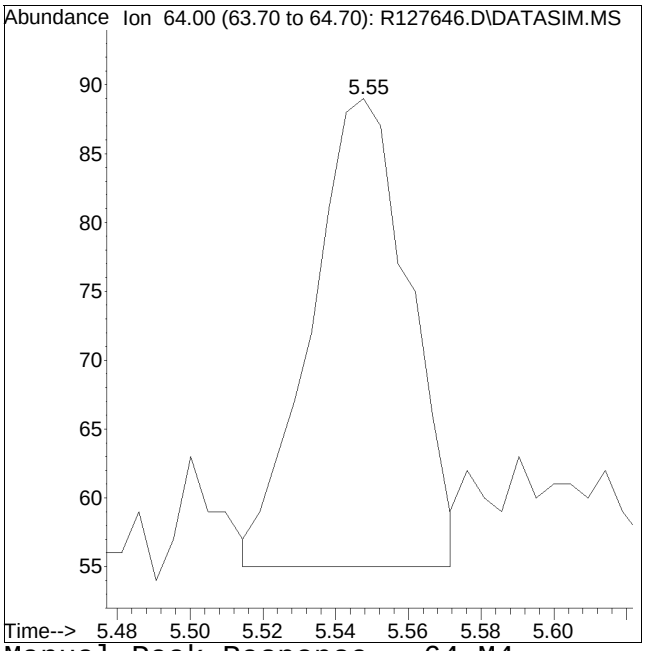
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #9: chloroethane



Original Peak Response = 62



Manual Peak Response = 64 M4

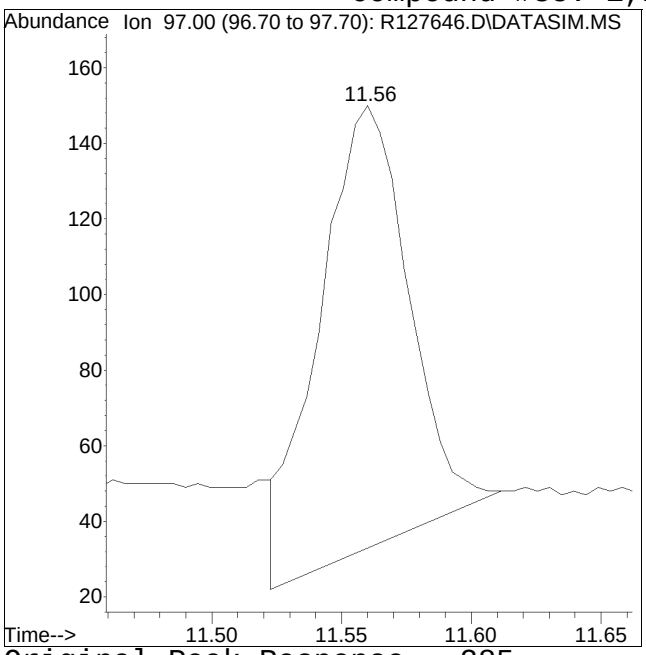
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

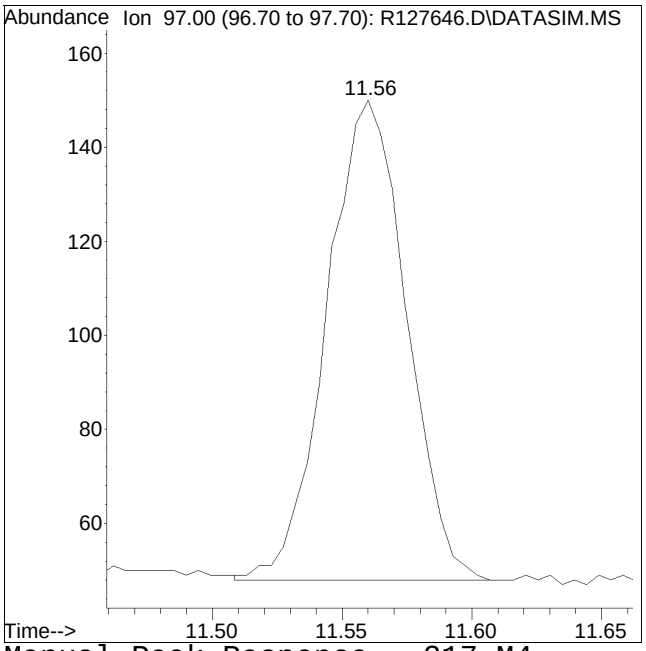
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 285



Manual Peak Response = 217 M4

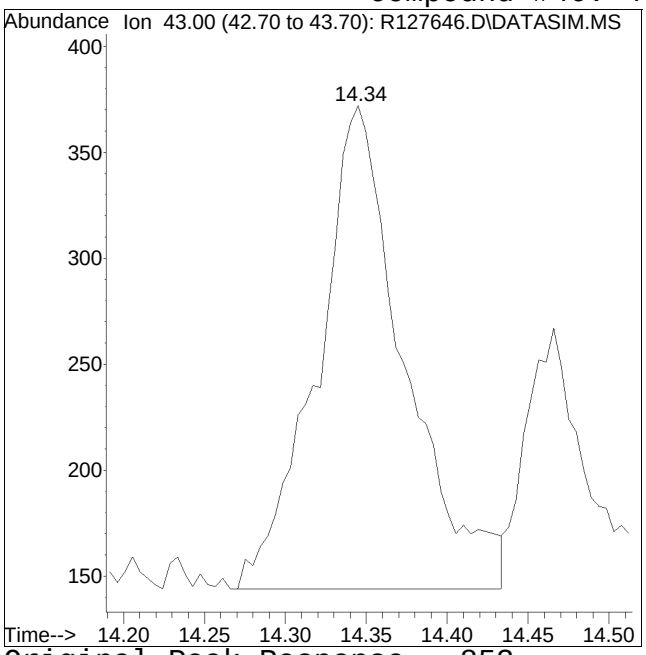
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

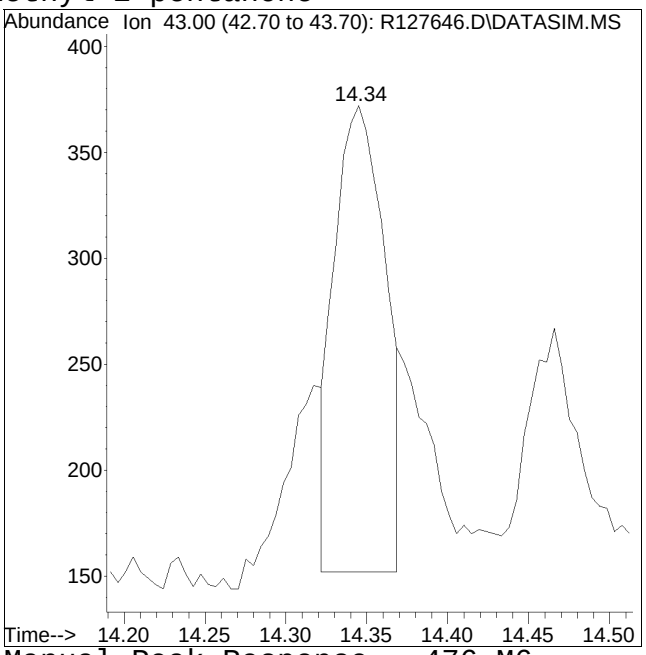
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 853



Manual Peak Response = 476 M6

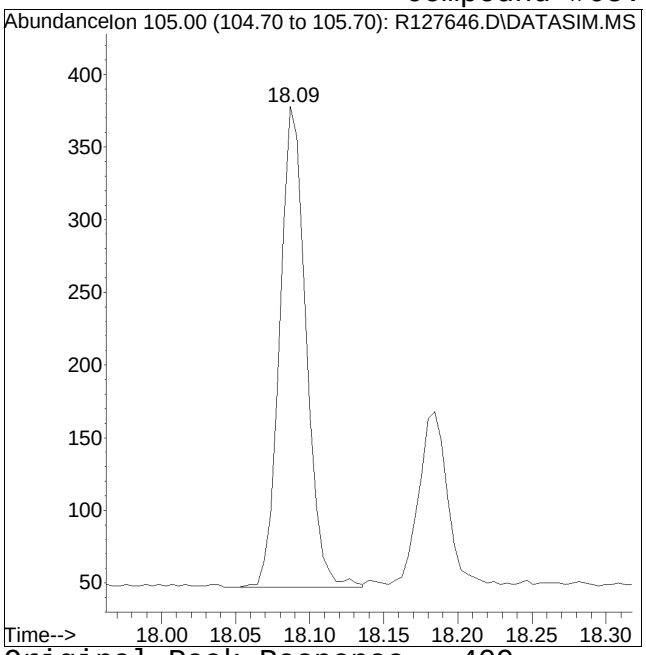
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

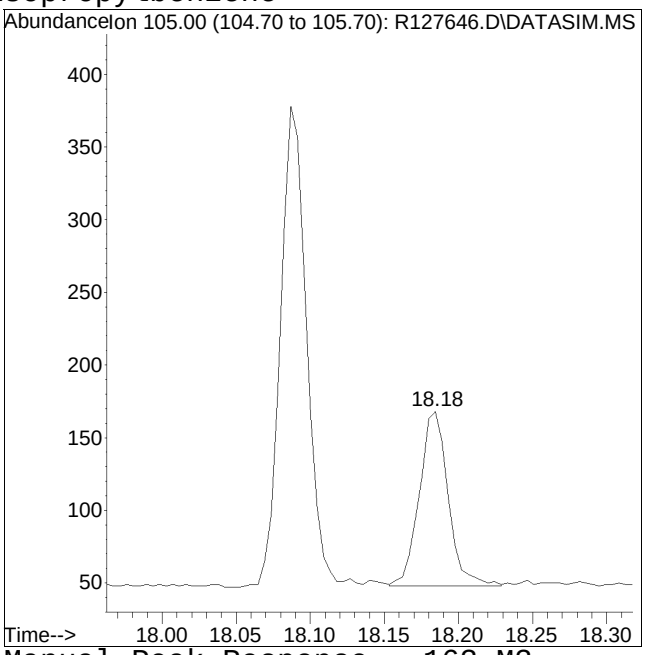
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #65: isopropylbenzene



Original Peak Response = 409



Manual Peak Response = 163 M3

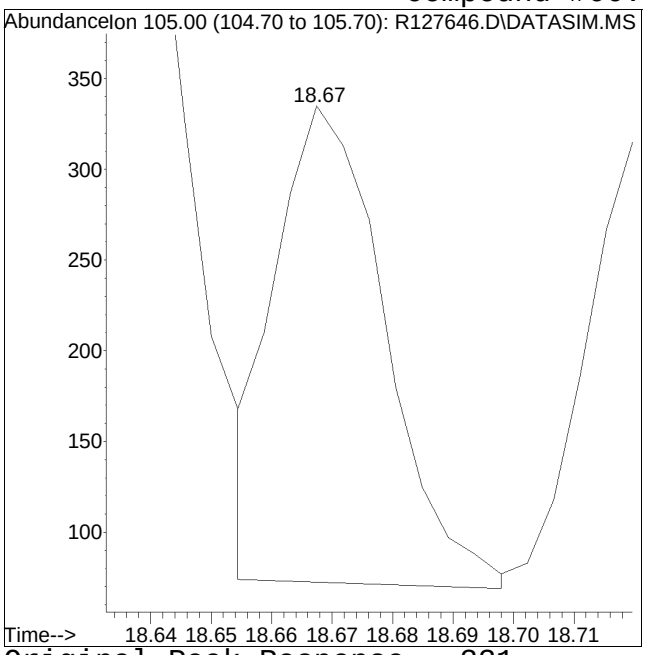
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

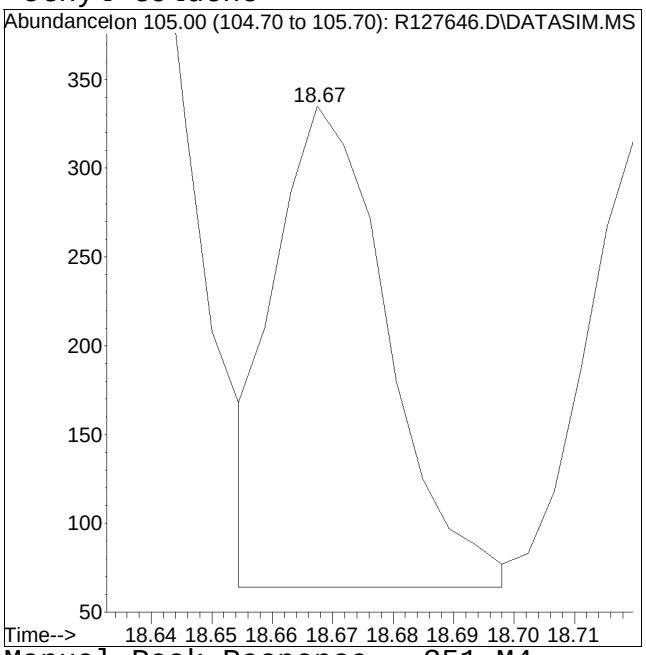
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #66: 4-ethyl toluene



Original Peak Response = 331



Manual Peak Response = 351 M4

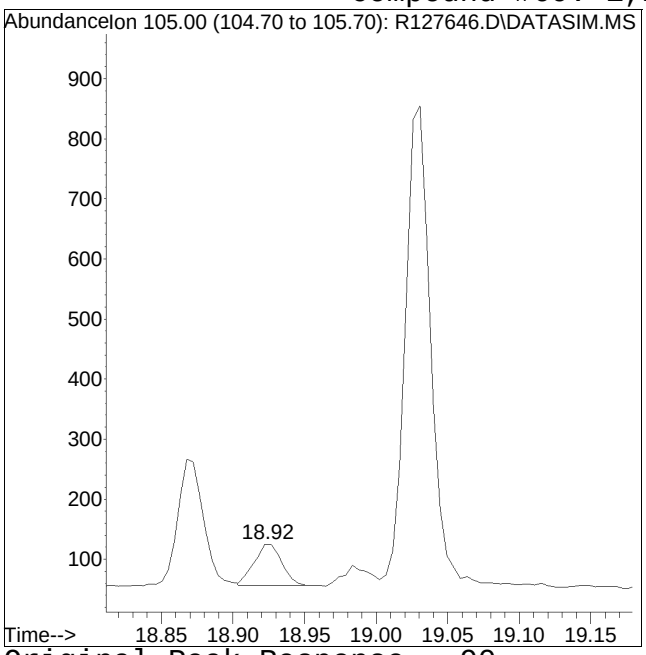
M4 = Poor automated baseline construction.

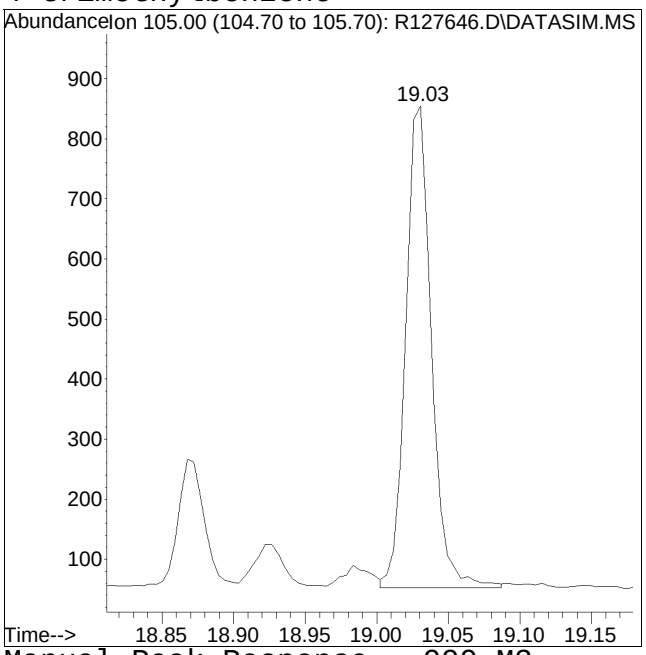
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #69: 1,2,4-trimethylbenzene





Original Peak Response = 90 Manual Peak Response = 999 M3

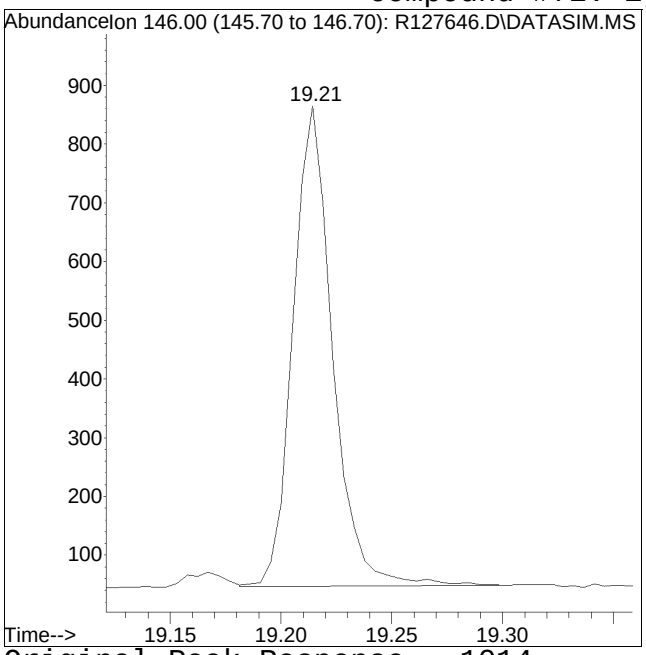
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

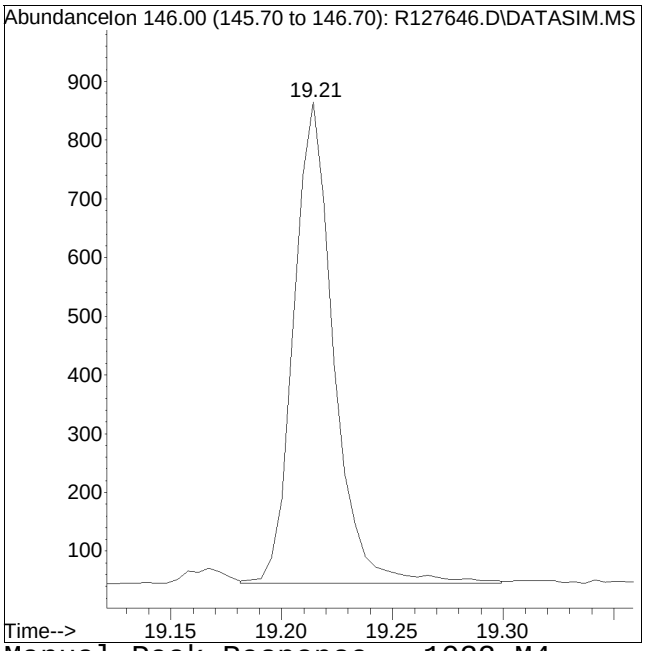
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 1014



Manual Peak Response = 1032 M4

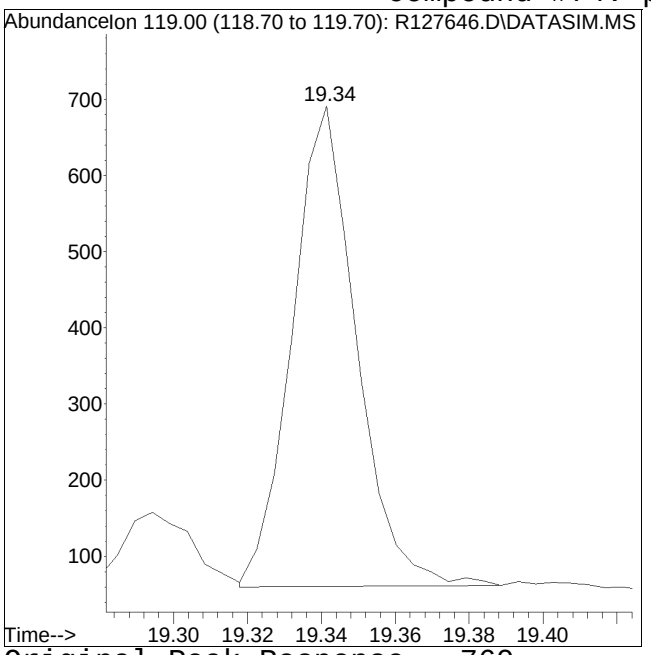
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

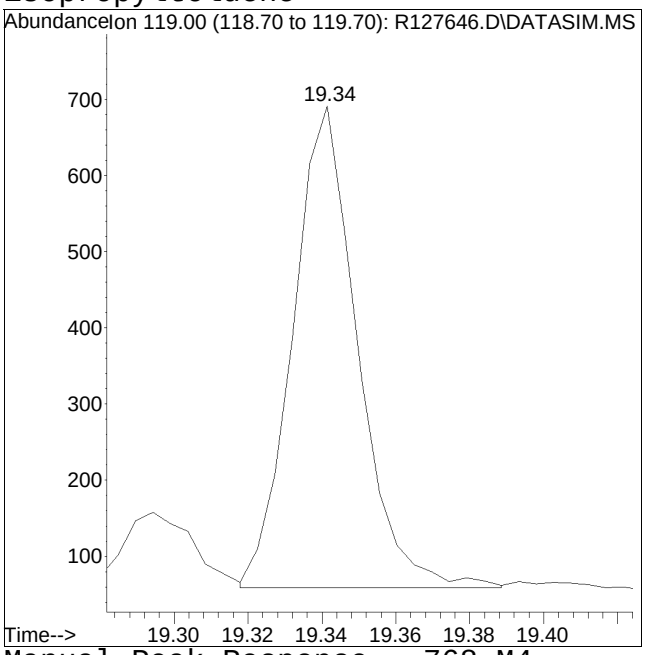
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127646.D
Date Inj'd : 4/12/2013 7:49 pm
Sample : L1306330-07,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #74: p-isopropyltoluene



Original Peak Response = 760



Manual Peak Response = 768 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127647.D
Acq On : 12 Apr 2013 8:21 pm
Operator : AIRPIANO1:MB
Sample : L1306330-12,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 09:40:09 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	236111	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 87.83%			
32) 1,4-difluorobenzene	12.49	114	543945	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 99.43%			
49) chlorobenzene-D5	16.90	54	136296	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 102.69%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13834	0.452	ppbV	99
4) chloromethane	4.40	50	11985	0.745	ppbV	99
5) Freon-114	4.55	85	500	0.015	ppbV	91
6) vinyl chloride	4.70		0	N.D.		
7) 1,3-butadiene	4.91	54	2324	0.213	ppbV	98
8) bromomethane	5.29	94	112M3	0.009	ppbV	
9) chloroethane	5.54	64	61M4	0.010	ppbV	
12) acetone	6.39	43	568346M6	22.247	ppbV	
13) trichlorofluoromethane	6.62	101	8237	0.224	ppbV	99
15) acrylonitrile	7.04	53	331M4	0.027	ppbV	
16) 1,1-dichloroethene	7.40		0	N.D.		
17) methylene chloride	7.64	49	29850	1.398	ppbV	96
20) Freon 113	7.99	101	2261	0.089	ppbV	98
22) trans-1,2-dichloroethene	8.82		0	N.D.		
23) 1,1-dichloroethane	9.08		0	N.D.		
24) MTBE	9.17		0	N.D.		
26) 2-butanone	9.57	43	59407	1.484	ppbV	97
27) cis-1,2-dichloroethene	10.07		0	N.D.		
29) chloroform	10.43	83	947	0.034	ppbV #	92
31) 1,2-dichloroethane	11.28	62	455	0.022	ppbV #	66
35) 1,1,1-trichloroethane	11.56	97	6861	0.236	ppbV	95
36) benzene	12.08	78	21752	0.506	ppbV	98
37) carbon tetrachloride	12.25	117	17485	0.548	ppbV	99
39) 1,2-dichloropropane	13.02	63	140	0.007	ppbV #	39
40) bromodichloromethane	13.24		0	N.D.		
42) trichloroethene	13.28	130	5071	0.241	ppbV	97
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.32	43	7651M4	0.157	ppbV	
47) trans-1,3-dichloropropene	14.86		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127647.D
Acq On : 12 Apr 2013 8:21 pm
Operator : AIRPIANO1:MB
Sample : L1306330-12,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 09:40:09 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

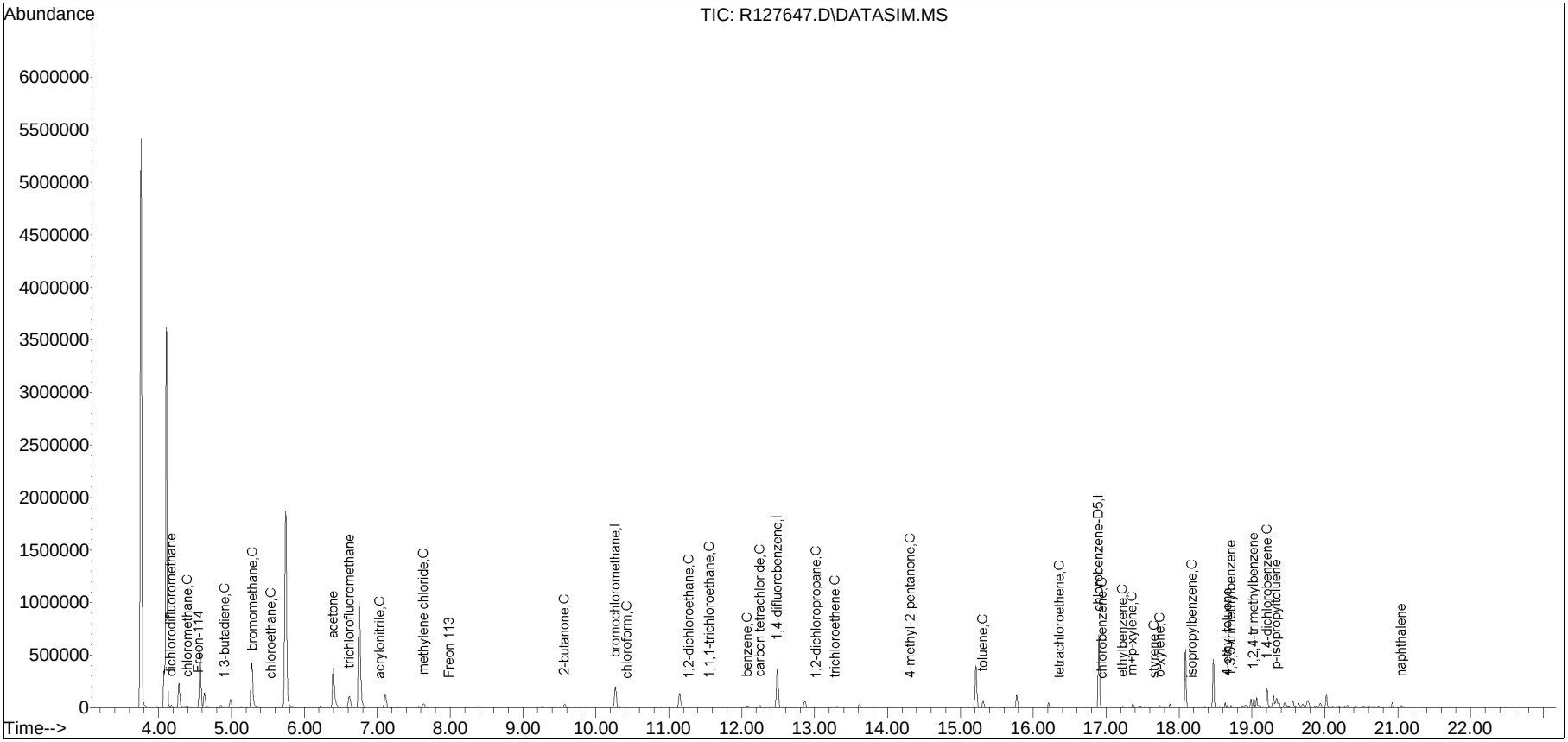
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	60697M4	1.099	ppbV		
53) dibromochloromethane	15.73		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	2087	0.073	ppbV	#	70
56) 1,1,1,2-tetrachloroethane	16.92		0	N.D.			
57) chlorobenzene	16.94	112	545	0.012	ppbV	#	83
58) ethylbenzene	17.23	91	11944	0.169	ppbV		100
59) m+p-xylene	17.36	91	28160	0.512	ppbV		100
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	3043	0.071	ppbV		99
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	13653	0.238	ppbV		99
65) isopropylbenzene	18.18	105	5466	0.065	ppbV		99
66) 4-ethyl toluene	18.66	105	19746	0.237	ppbV	#	89
67) 1,3,5-trimethylbenzene	18.72	105	16888	0.247	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.03	105	54225	0.792	ppbV	#	51
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21	146	130705	2.480	ppbV		96
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34	119	45112	0.479	ppbV		99
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	22125M4	0.221	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

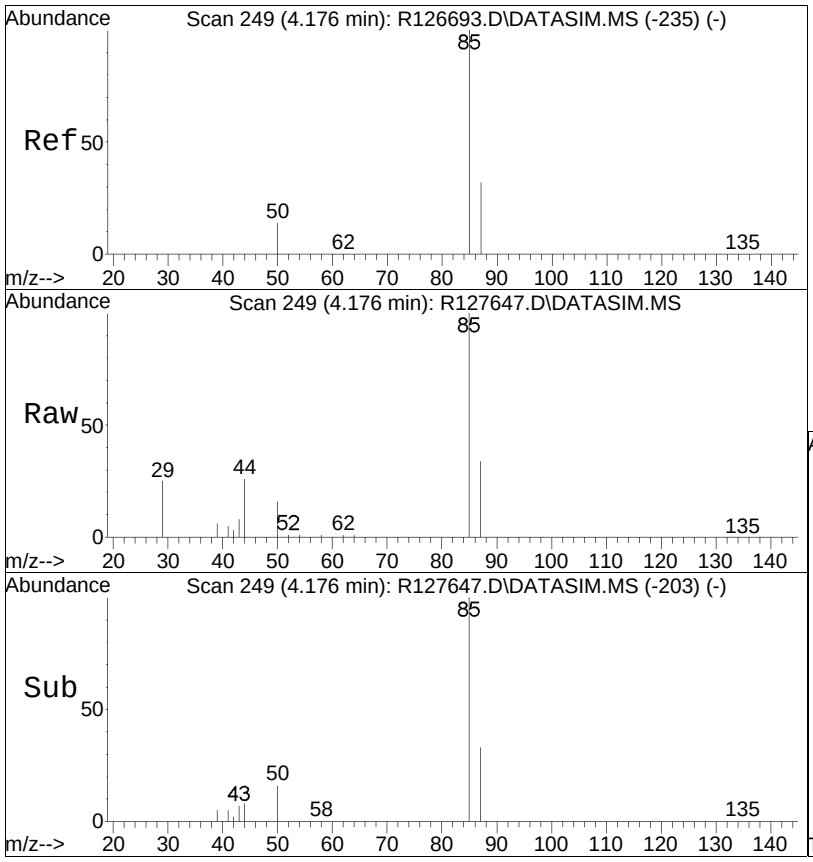
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127647.D
Acq On : 12 Apr 2013 8:21 pm
Operator : AIRPIANO1:MB
Sample : L1306330-12,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 16 09:40:09 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

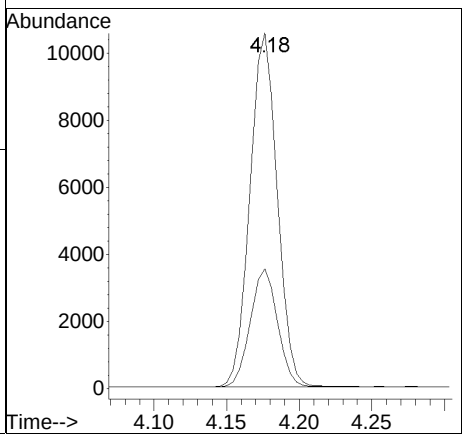


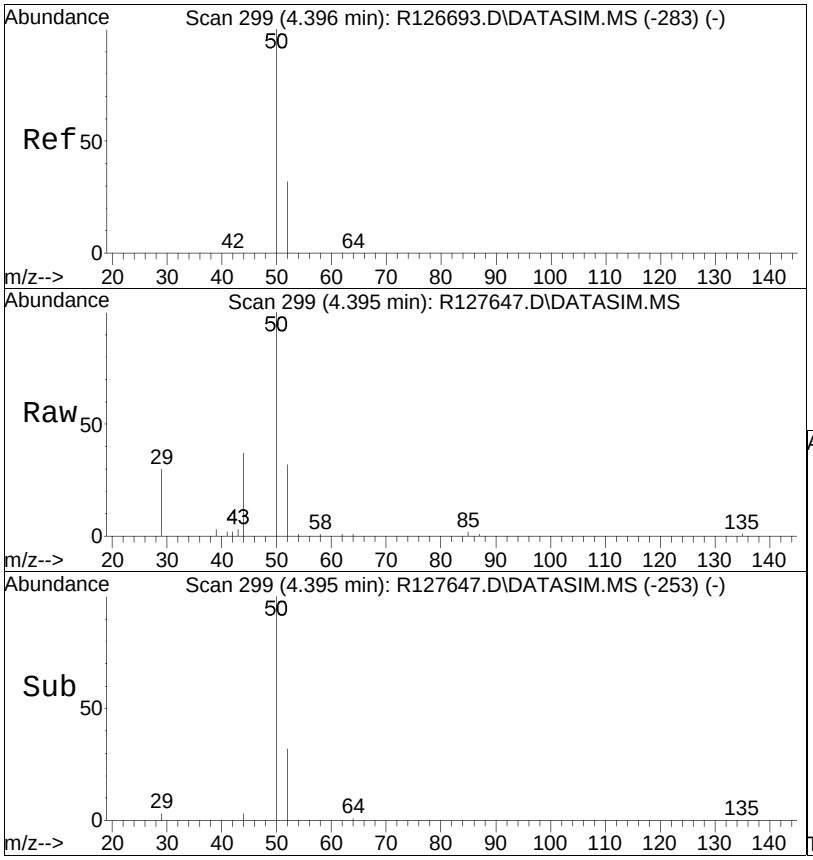


#3
dichlorodifluoromethane
Concen: 0.45 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 85 Resp: 13834

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.6	40.0

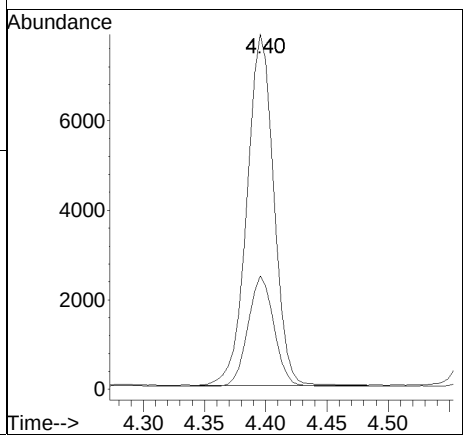


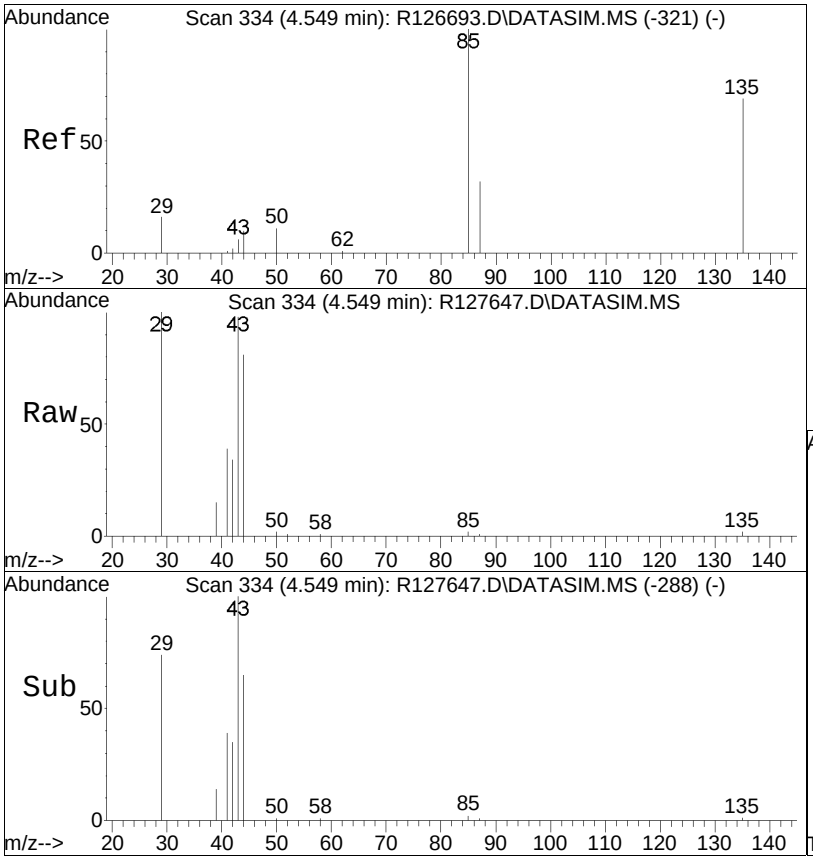


#4
chloromethane
Concen: 0.75 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 50 Resp: 11985

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.3	37.9

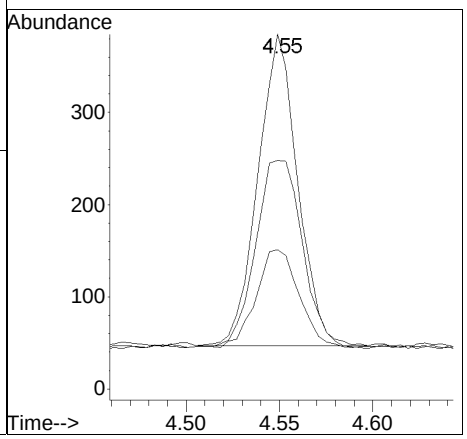


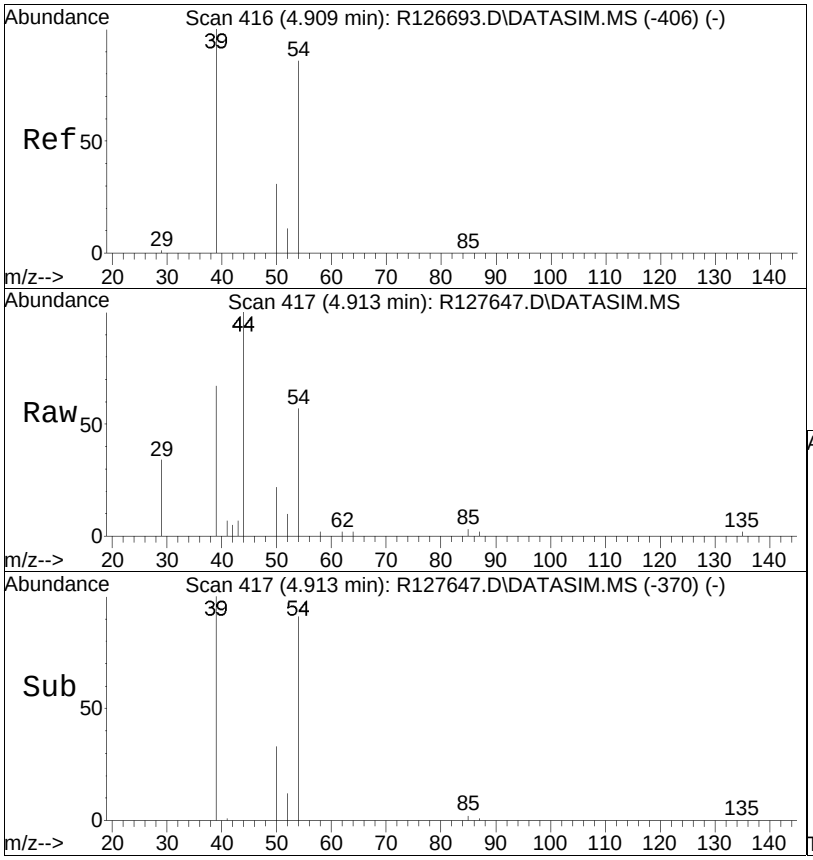


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 85 Resp: 500

Ion	Ratio	Lower	Upper
85	100		
87	39.2	26.5	39.7
135	64.4	56.9	85.3

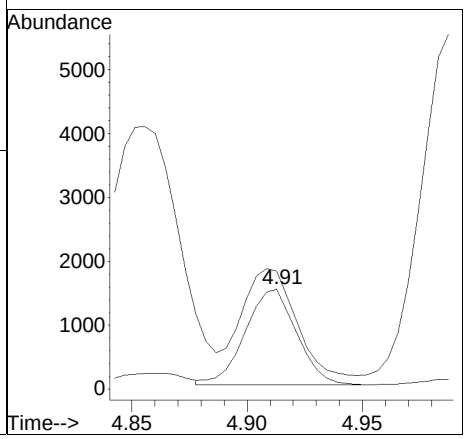


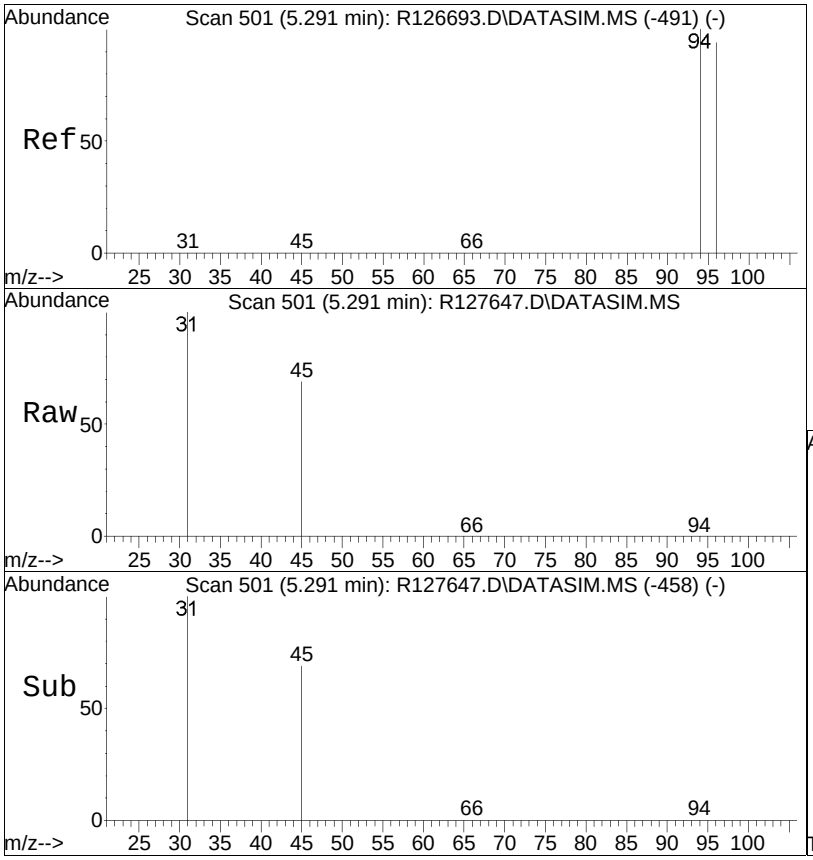


#7
1,3-butadiene
Concen: 0.21 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 54 Resp: 2324

Ion	Ratio	Lower	Upper
54	100		
39	118.0	92.4	138.6

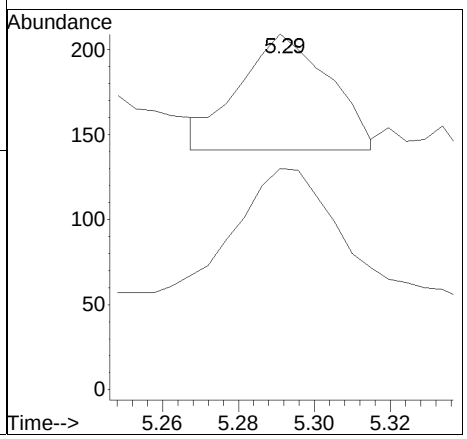


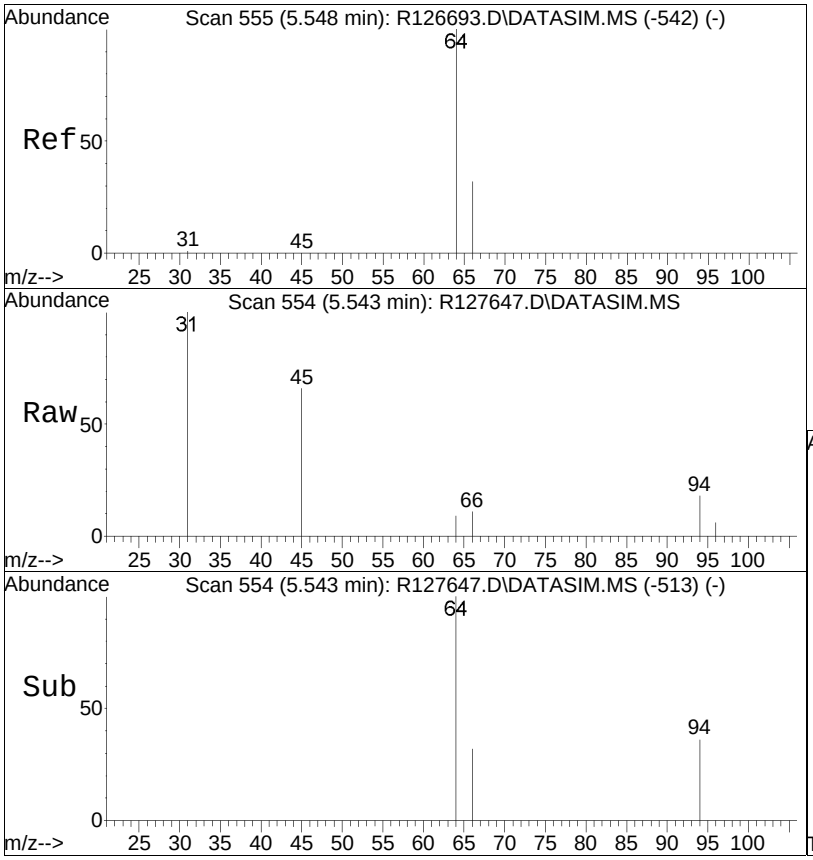


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.29 min Scan# 501
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 94 Resp: 112

Ion	Ratio	Lower	Upper
94	100		
96	62.2	76.9	115.3#

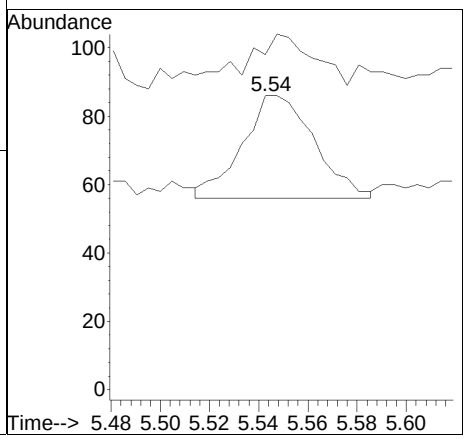


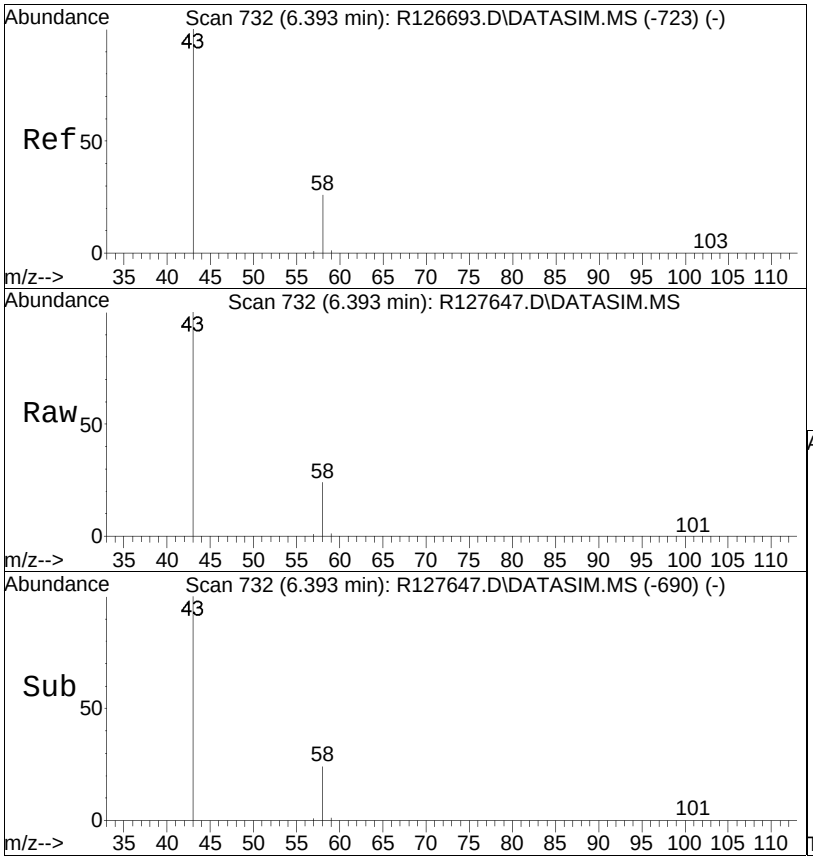


#9
chloroethane
Concen: 0.01 ppbV m
RT: 5.54 min Scan# 554
Delta R.T. -0.005 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 64 Resp: 61

Ion	Ratio	Lower	Upper
64	100		
66	114.0	25.5	38.3#

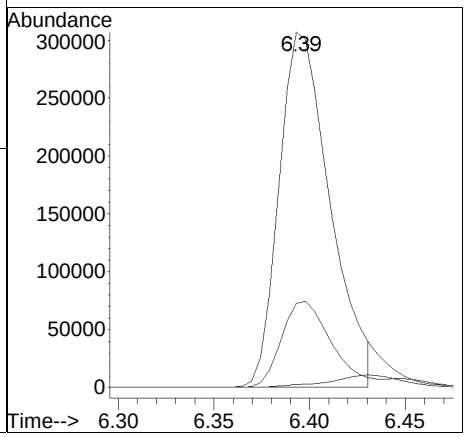


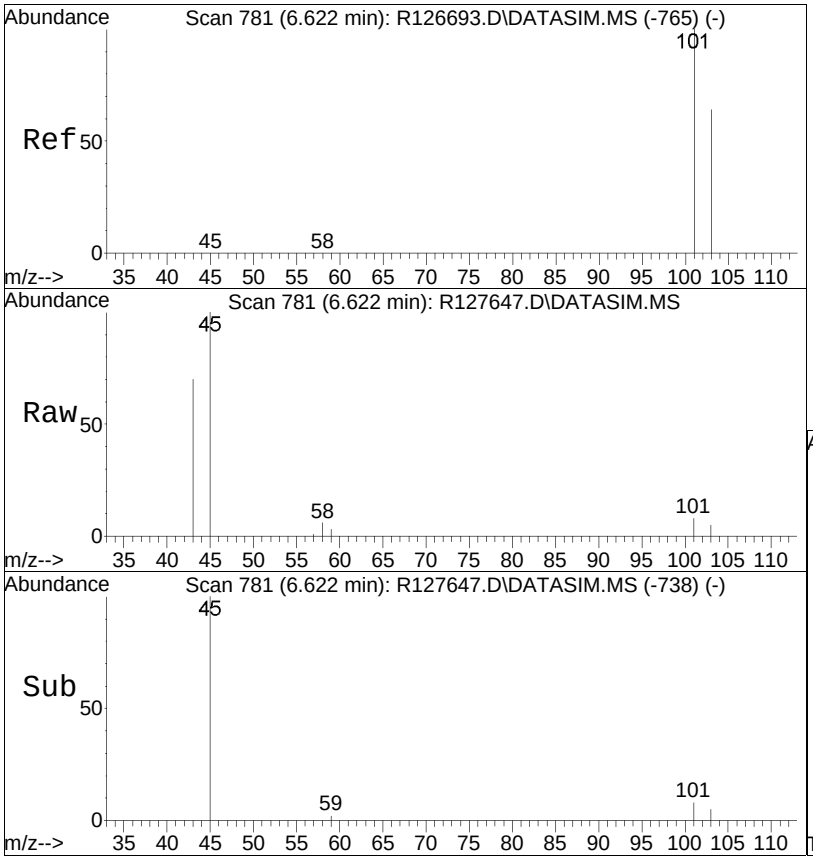


#12
acetone
Concen: 22.25 ppbV m
RT: 6.39 min Scan# 732
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 43 Resp: 568346

Ion	Ratio	Lower	Upper
43	100		
58	23.7	20.0	30.0
57	0.8	0.6	1.0

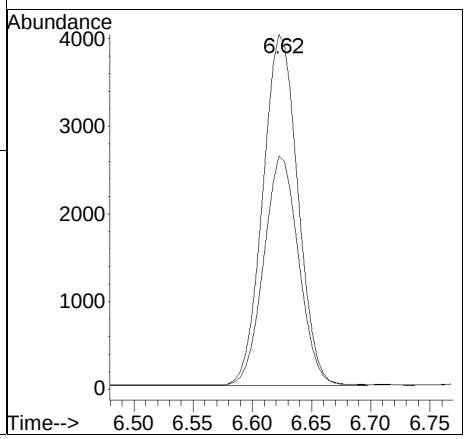


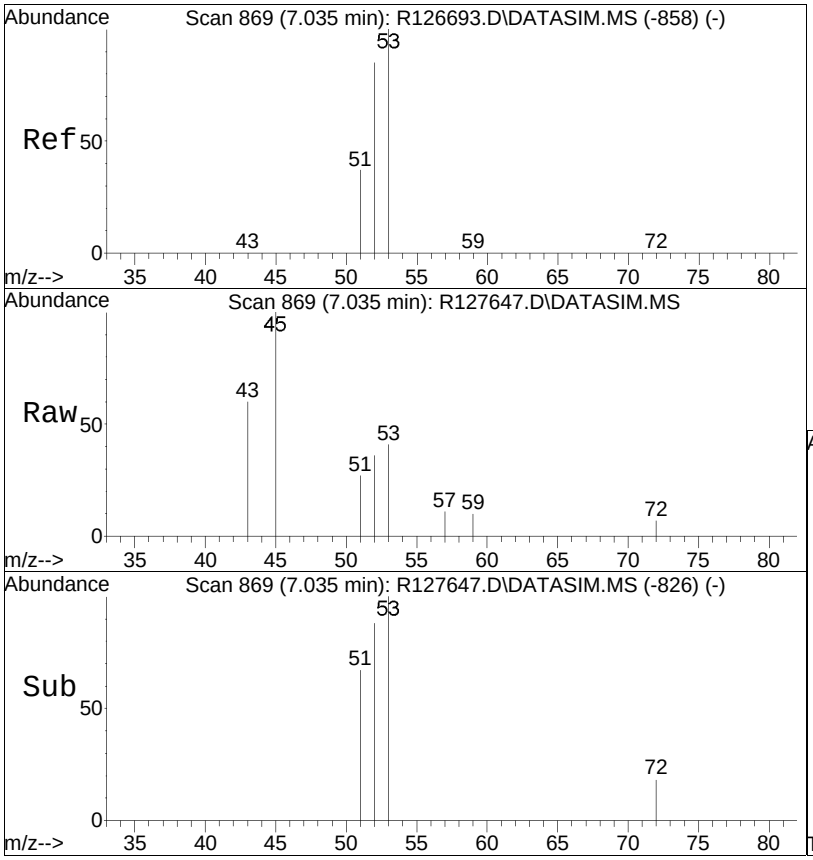


#13
trichlorofluoromethane
Concen: 0.22 ppbV
RT: 6.62 min Scan# 781
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:101 Resp: 8237

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

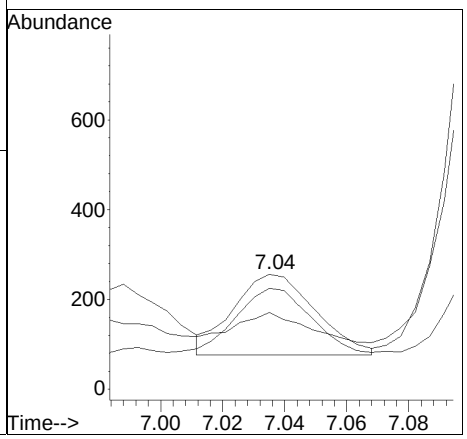


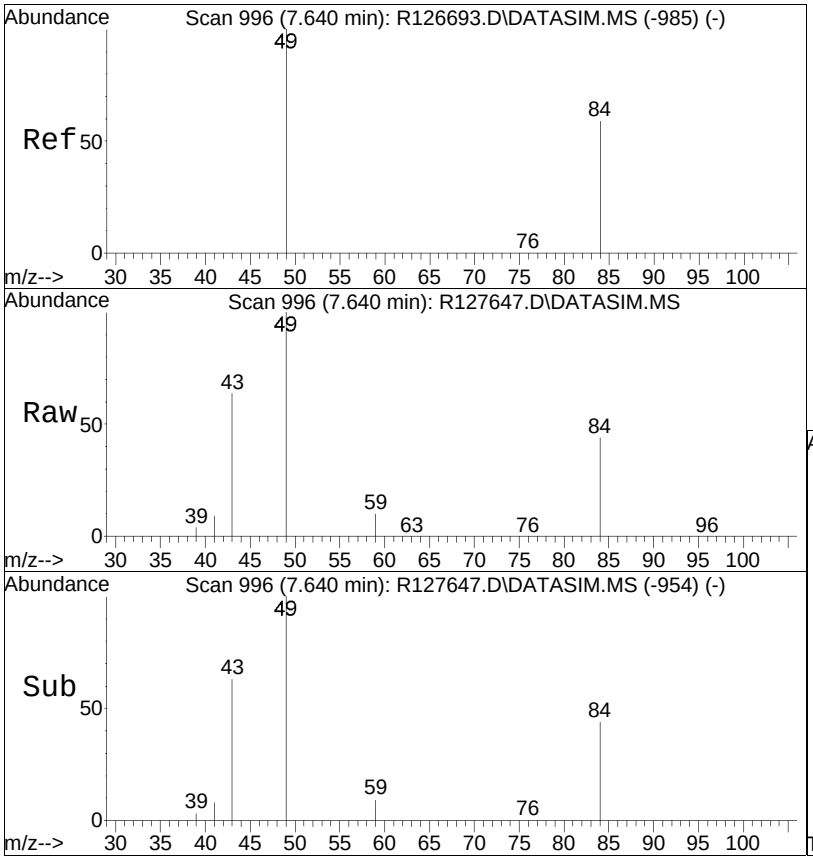


#15
acrylonitrile
Concen: 0.03 ppbV m
RT: 7.04 min Scan# 869
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 53 Resp: 331

Ion	Ratio	Lower	Upper
53	100		
52	87.9	68.5	102.7
51	66.8	30.1	45.1#

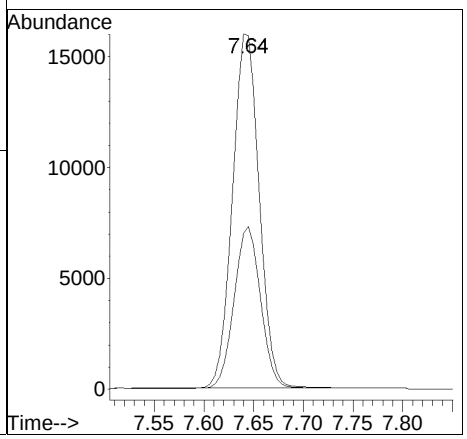


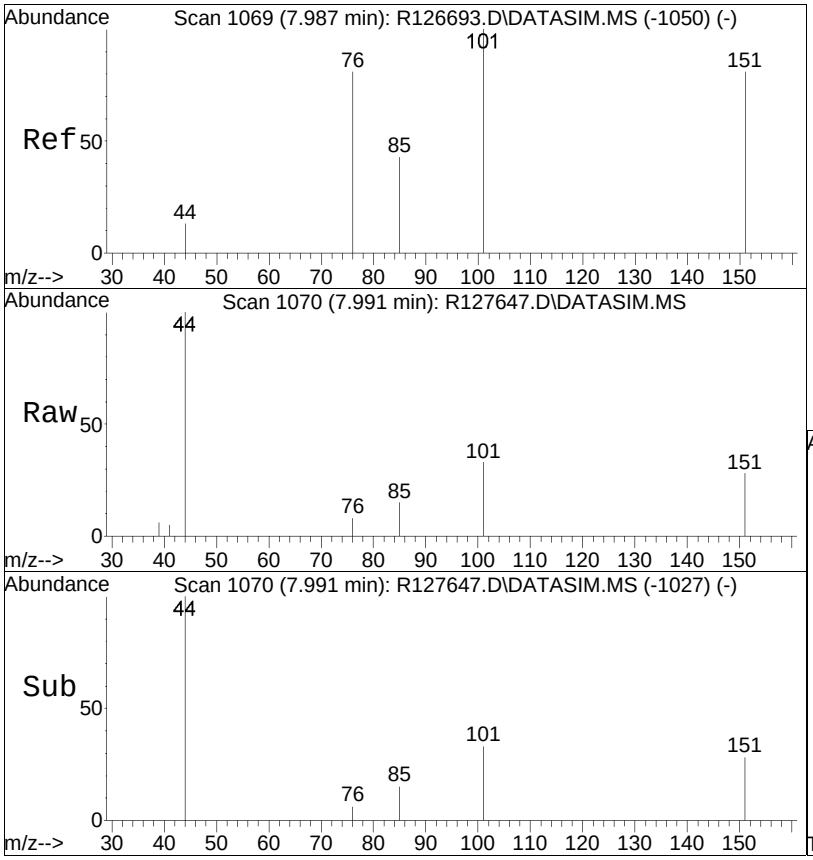


#17
methylene chloride
Concen: 1.40 ppbV
RT: 7.64 min Scan# 996
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 49 Resp: 29850

Ion	Ratio	Lower	Upper
49	100		
84	43.9	37.2	55.8

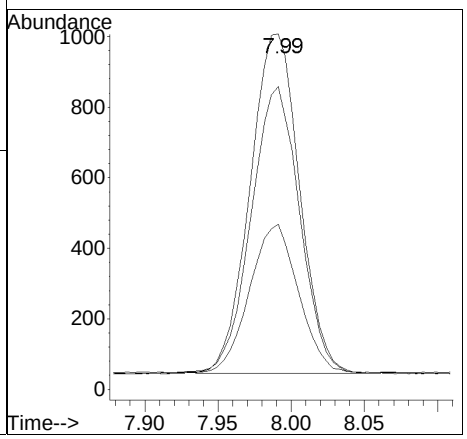


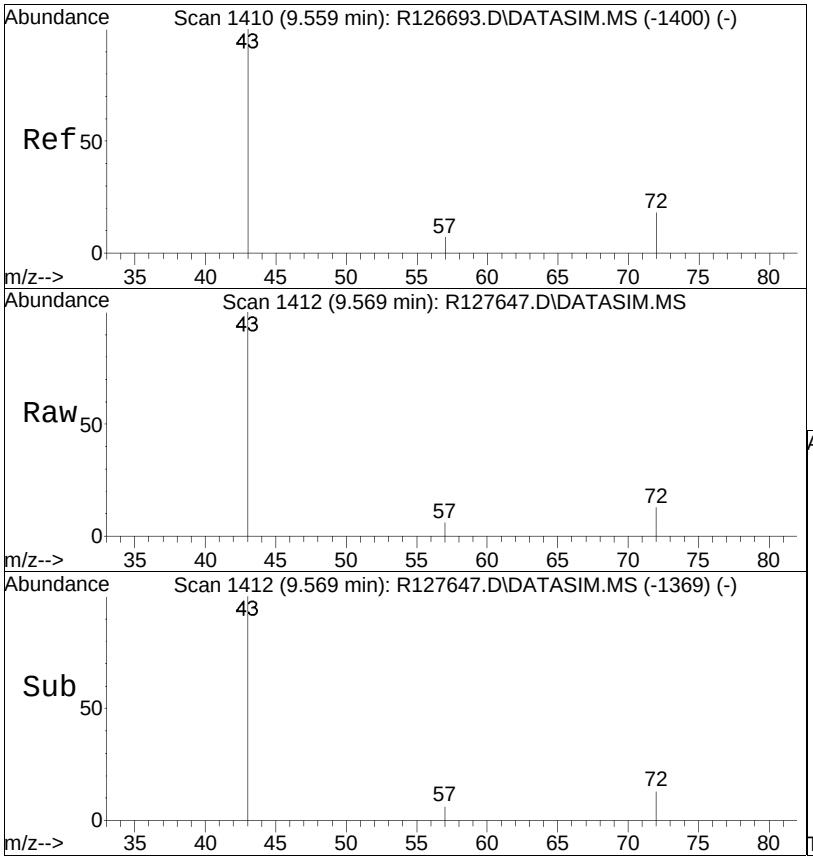


#20
Freon 113
Concen: 0.09 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:101 Resp: 2261

Ion	Ratio	Lower	Upper
101	100		
85	46.5	34.2	51.2
151	85.2	67.8	101.8

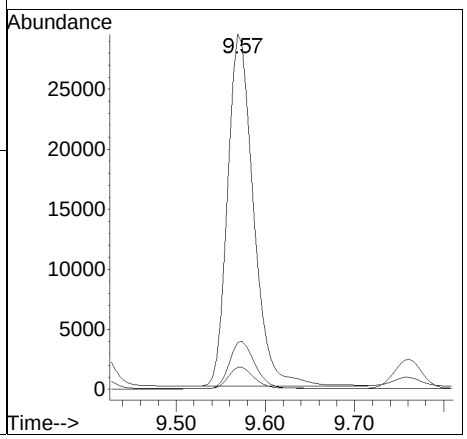


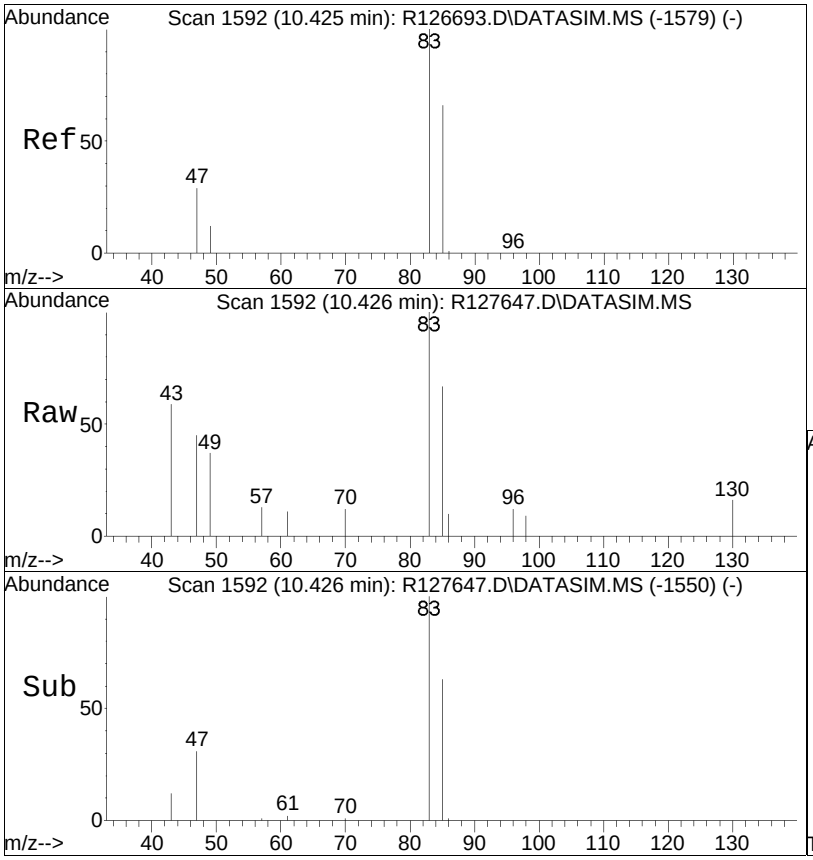


#26
2-butanone
Concen: 1.48 ppbV
RT: 9.57 min Scan# 1412
Delta R.T. 0.005 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 43 Resp: 59407

Ion	Ratio	Lower	Upper
43	100		
72	13.2	12.0	18.0
57	6.2	5.2	7.8

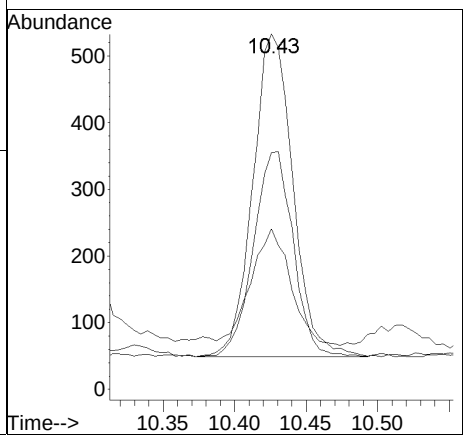


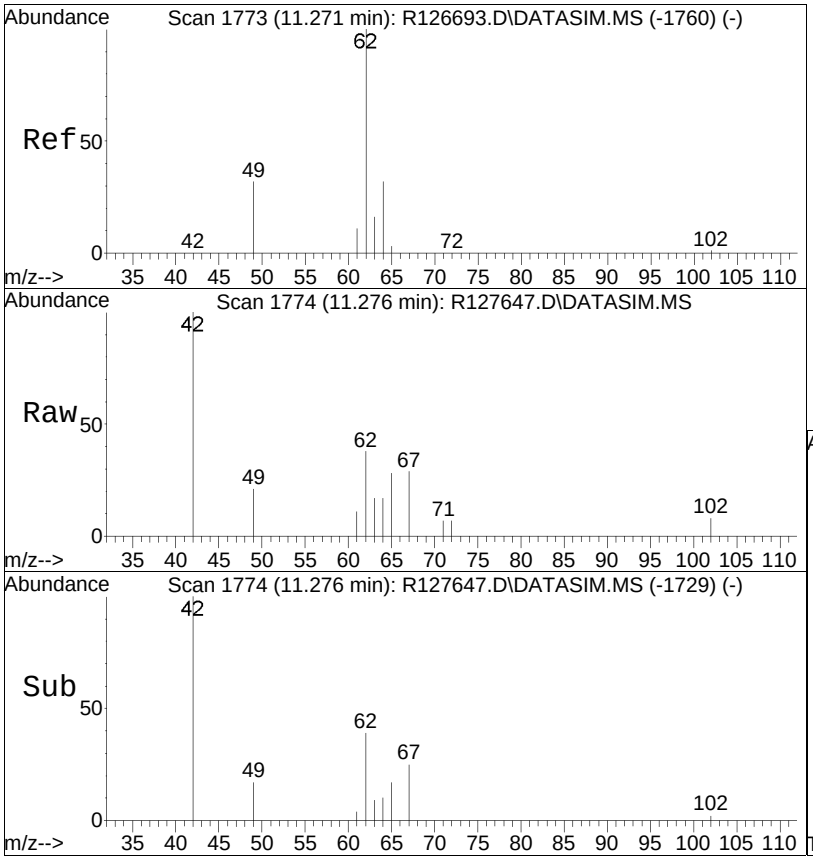


#29
chloroform
Concen: 0.03 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 83 Resp: 947

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.2	78.2
47	45.2	26.4	39.6#

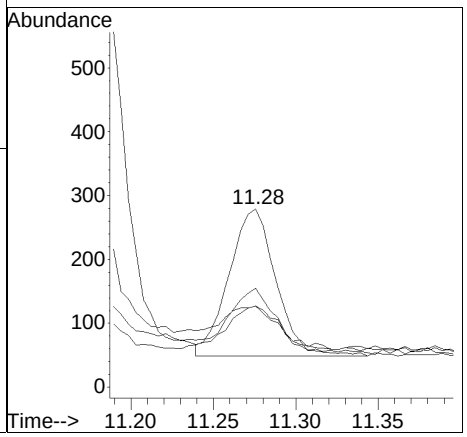


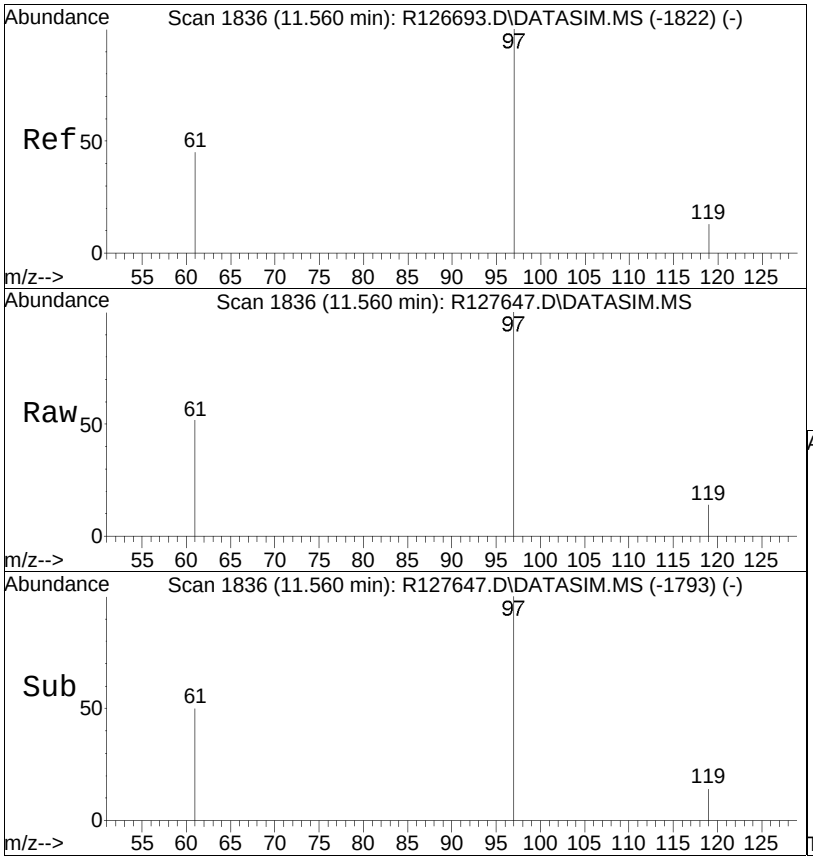


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.004 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 62 Resp: 455

Ion	Ratio	Lower	Upper
62	100		
64	45.5	25.0	37.6#
49	55.6	31.2	46.8#
63	45.5	13.3	19.9#

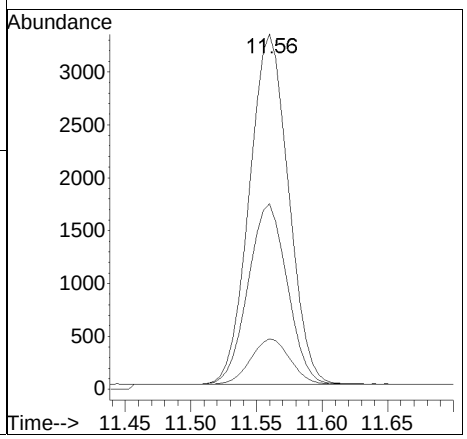


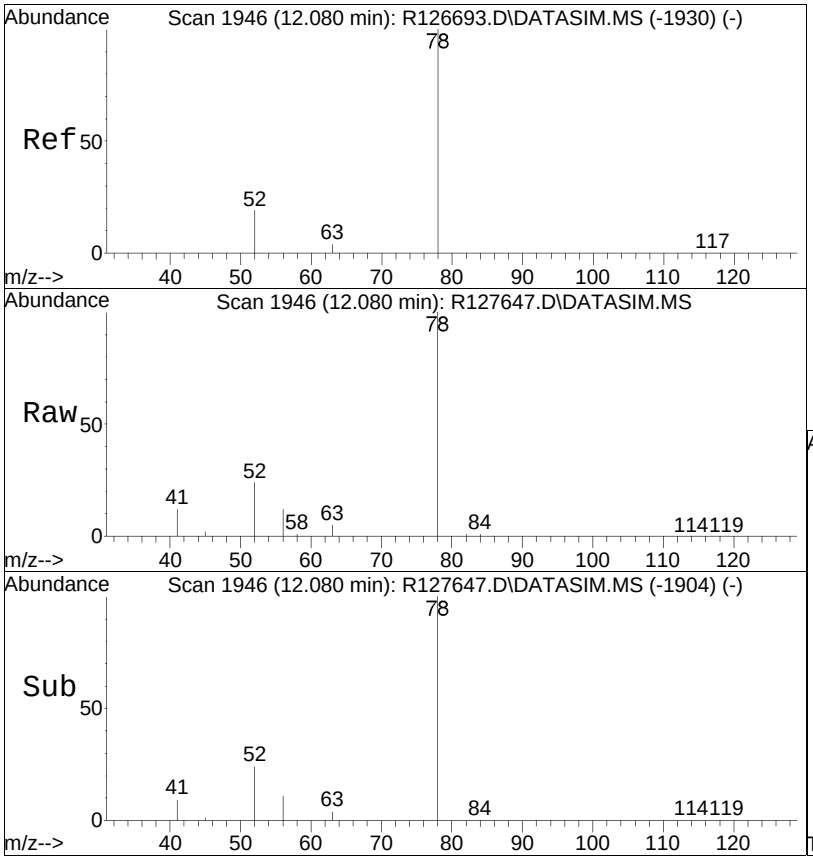


#35
1,1,1-trichloroethane
Concen: 0.24 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 97 Resp: 6861

Ion	Ratio	Lower	Upper
97	100		
61	52.3	38.6	58.0
119	14.3	11.0	16.6

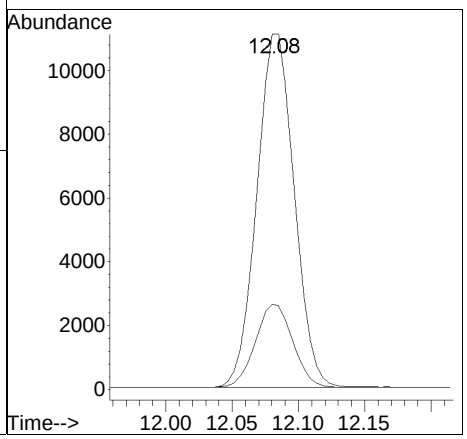


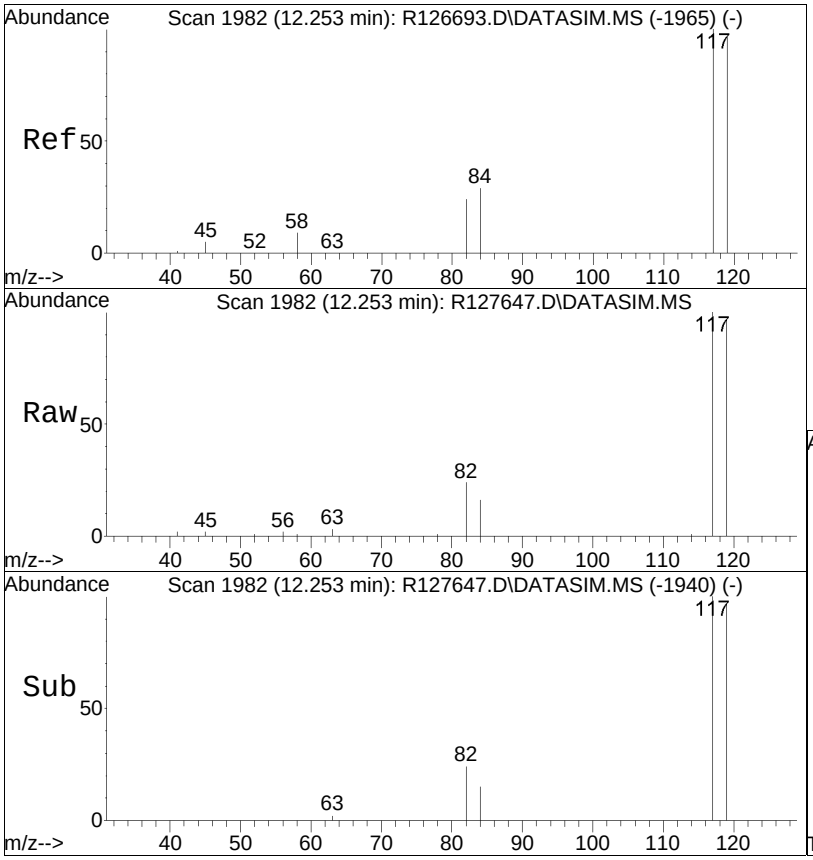


#36
benzene
Concen: 0.51 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 78 Resp: 21752

Ion	Ratio	Lower	Upper
78	100		
52	24.0	18.5	27.7

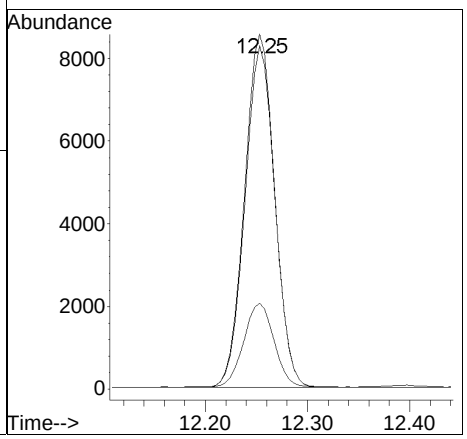


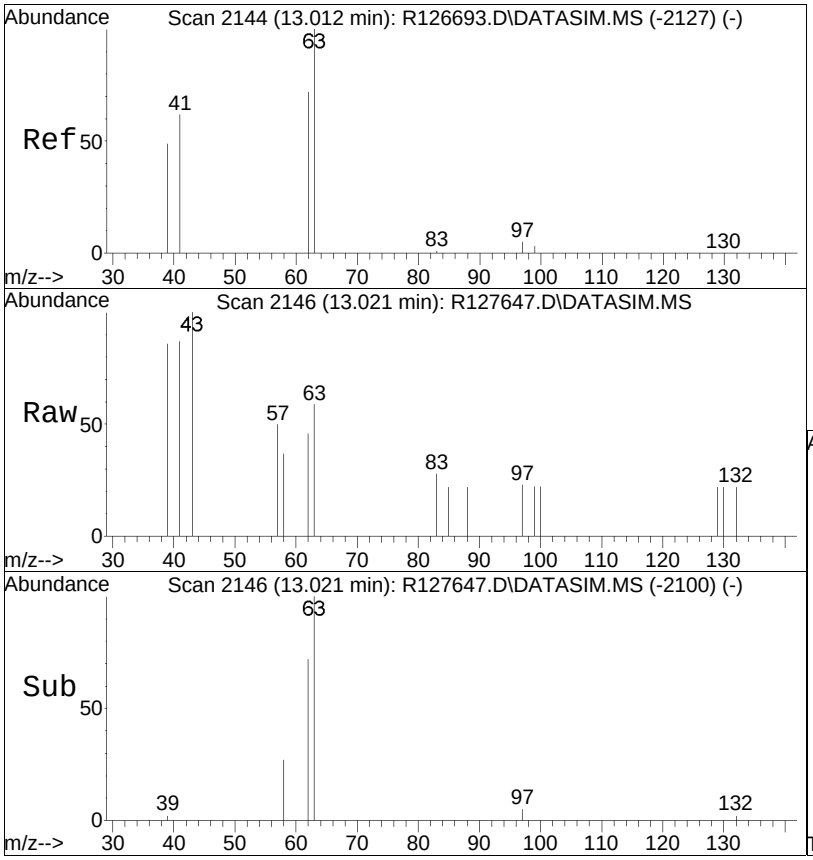


#37
carbon tetrachloride
Concen: 0.55 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:117 Resp: 17485

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.4	116.0
82	24.2	18.2	27.2

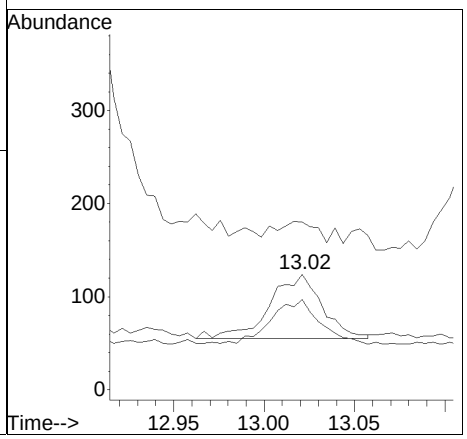


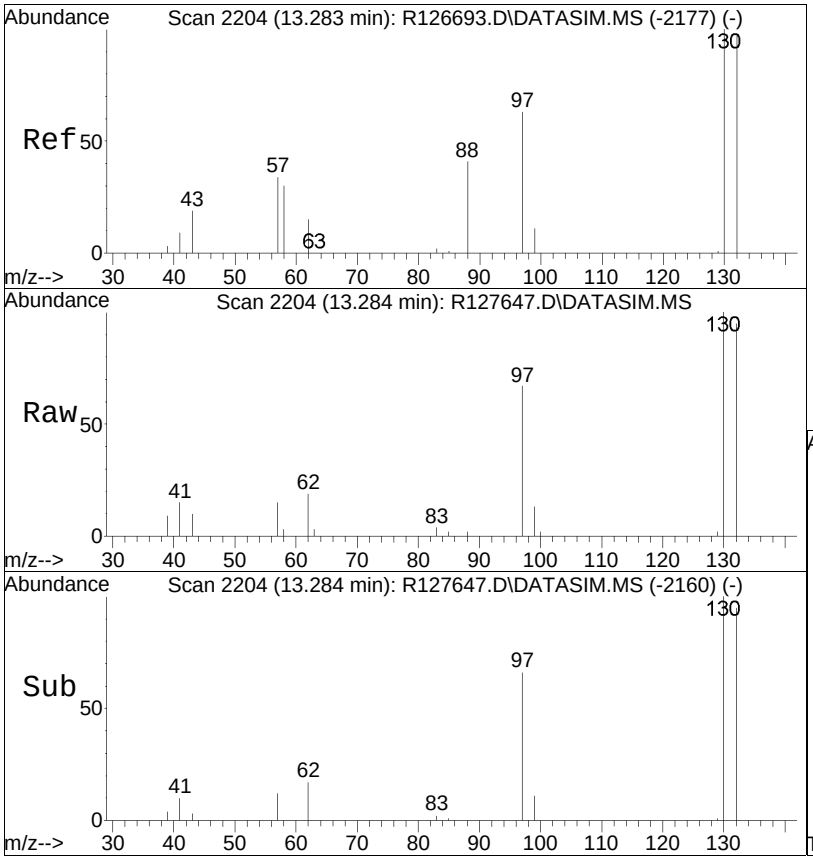


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.02 min Scan# 2146
Delta R.T. 0.009 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 63 Resp: 140

Ion	Ratio	Lower	Upper
63	100		
62	78.2	59.4	89.2
39	145.2	35.9	53.9#

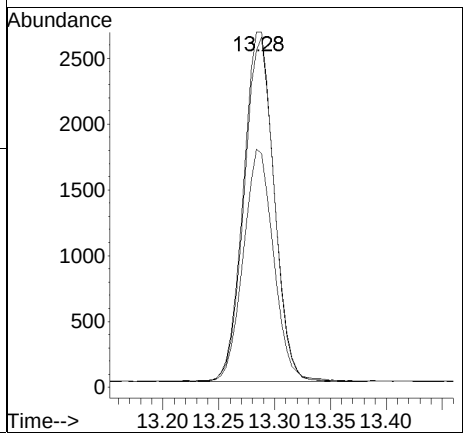


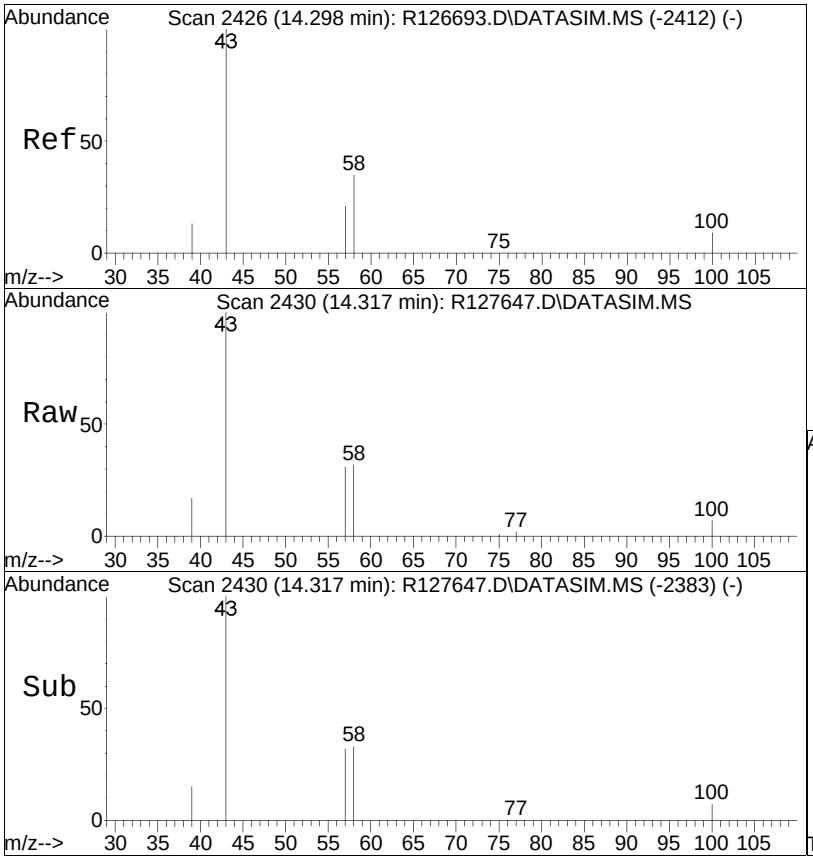


#42
trichloroethene
Concen: 0.24 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:130 Resp: 5071

Ion	Ratio	Lower	Upper
130	100		
132	94.8	77.3	115.9
97	67.0	50.6	75.8

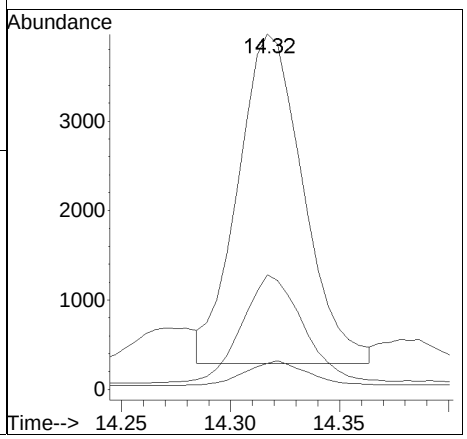


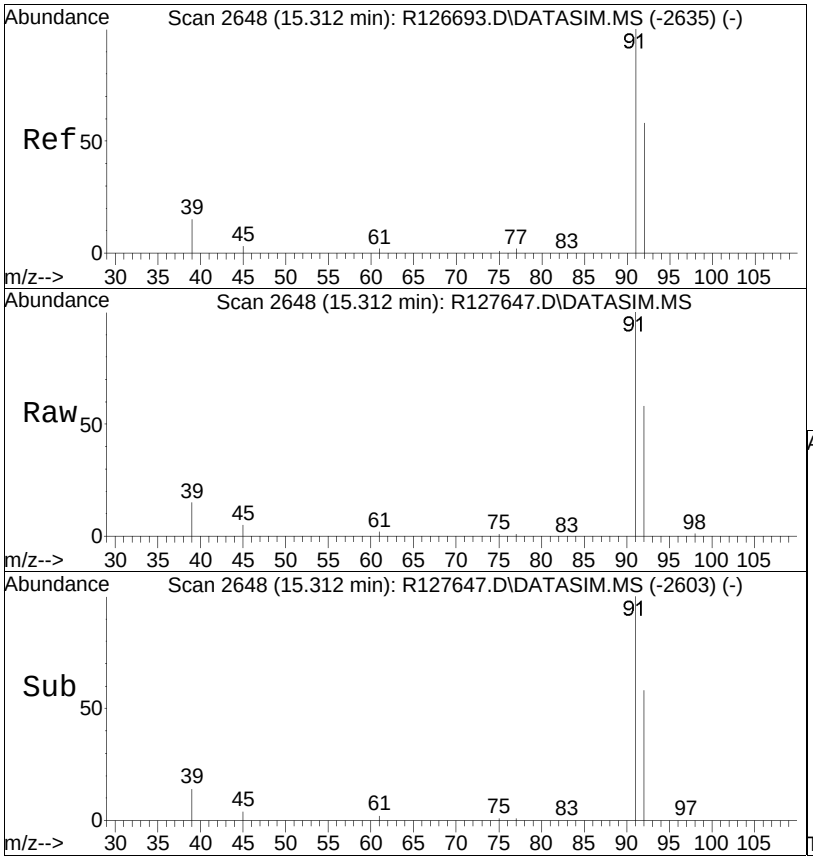


#46
4-methyl-2-pentanone
Concen: 0.16 ppbV m
RT: 14.32 min Scan# 2430
Delta R.T. 0.019 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 43 Resp: 7651

Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.0	39.0
100	7.3	5.8	8.6

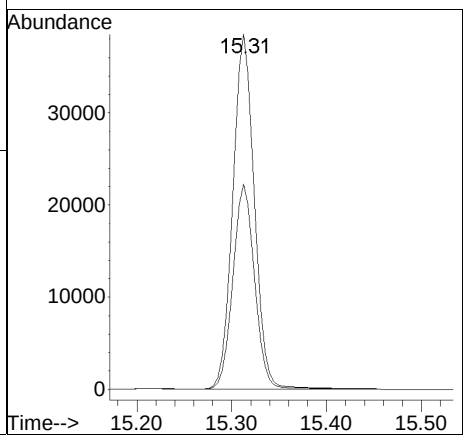


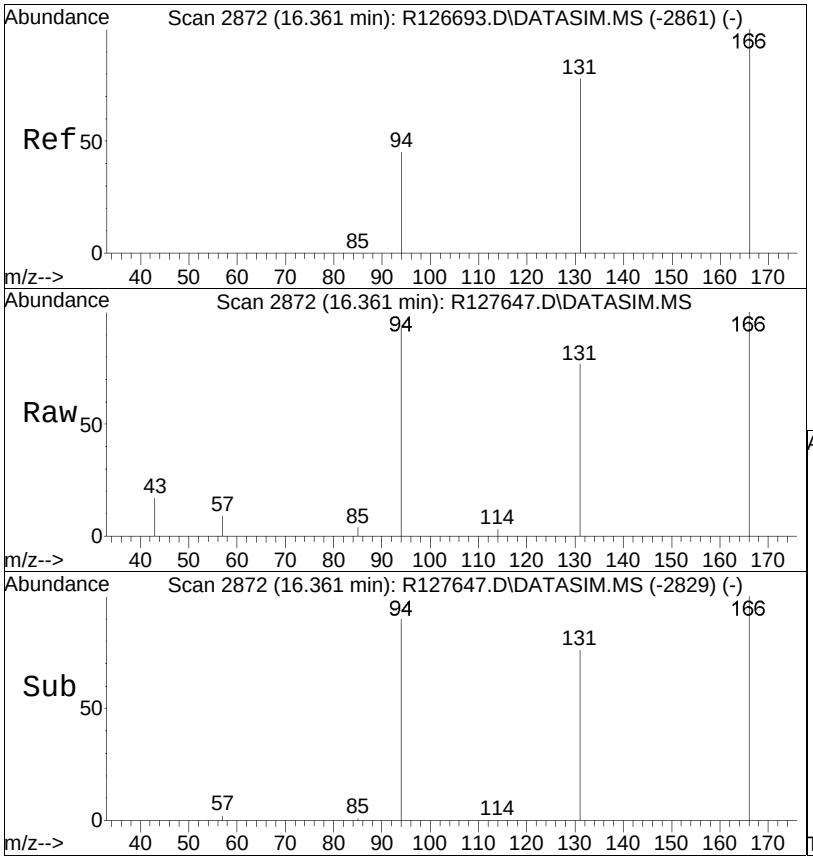


#50
toluene
Concen: 1.10 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 91 Resp: 60697

Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.4	69.6

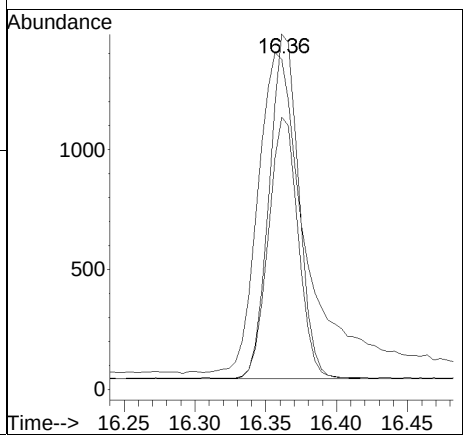


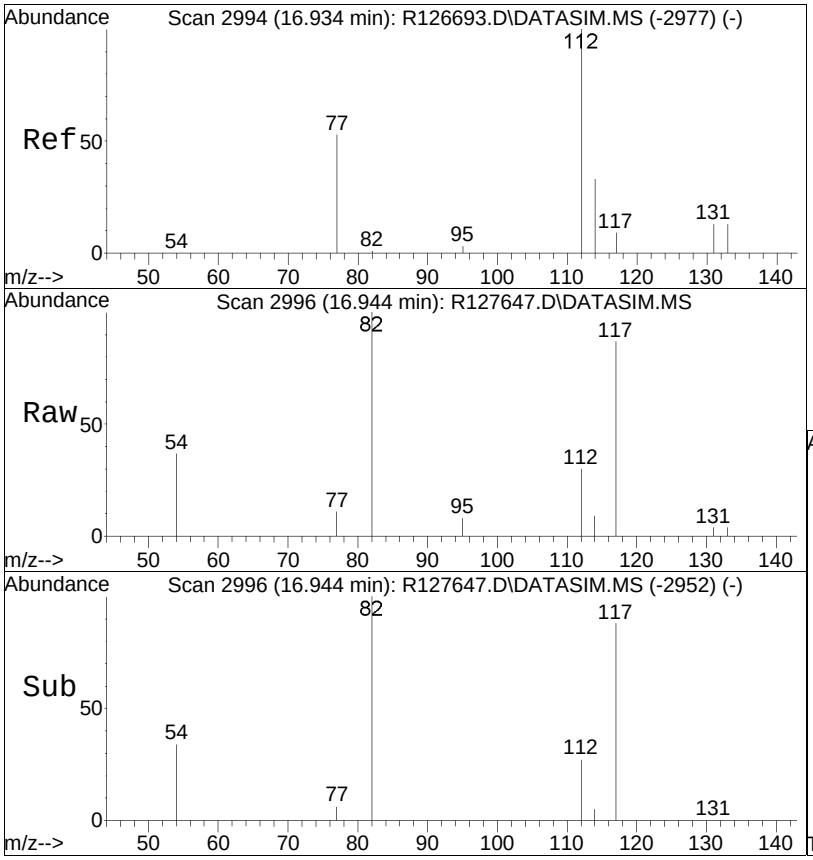


#55
tetrachloroethene
Concen: 0.07 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:166 Resp: 2087

Ion	Ratio	Lower	Upper
166	100		
131	76.7	60.6	90.8
94	92.8	32.2	48.2#

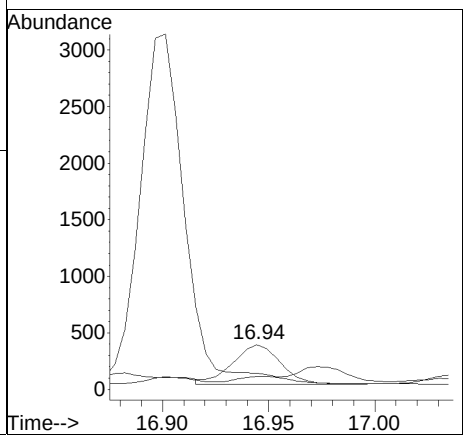


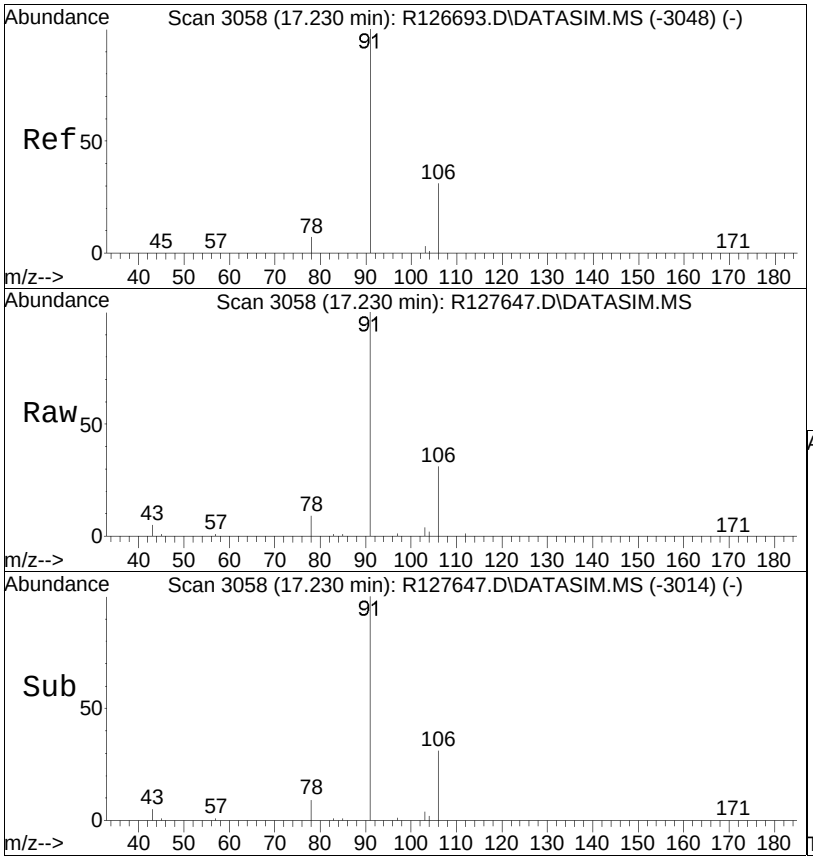


#57
chlorobenzene
Concen: 0.01 ppbV
RT: 16.94 min Scan# 2996
Delta R.T. 0.009 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:112 Resp: 545

Ion	Ratio	Lower	Upper
112	100		
114	29.0	26.4	39.6
77	36.4	42.4	63.6#

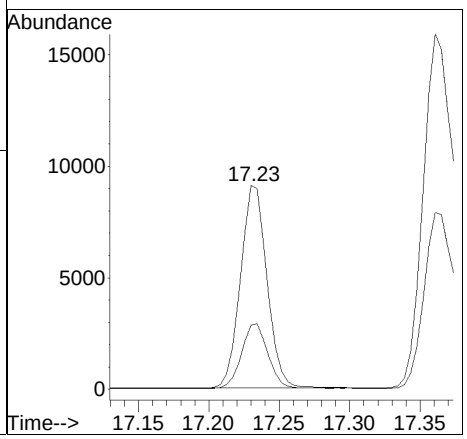


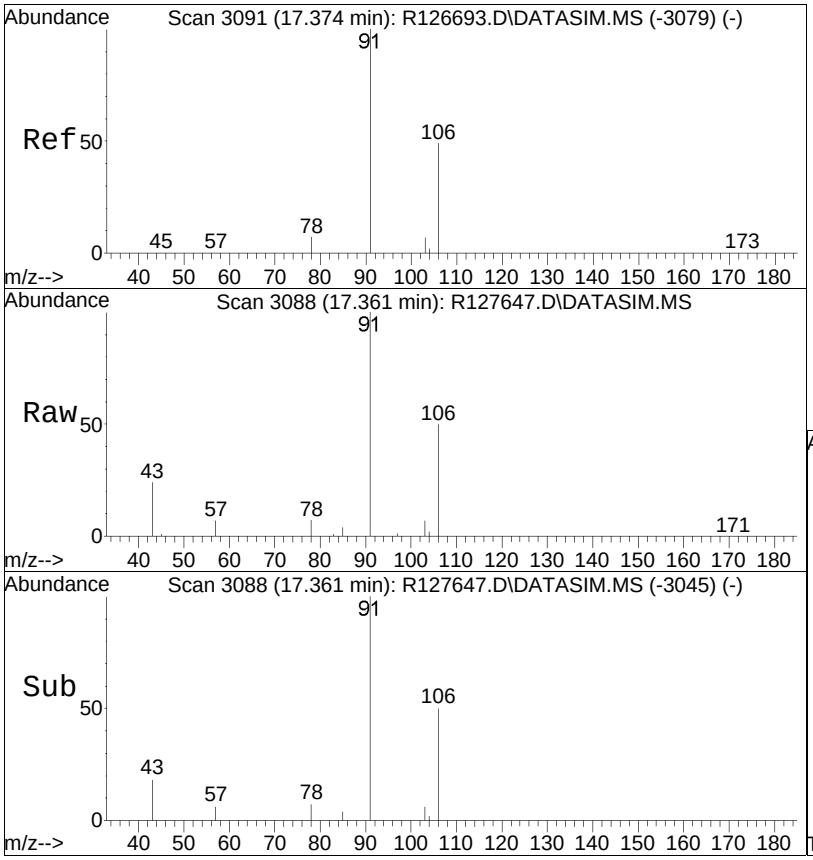


#58
ethylbenzene
Concen: 0.17 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 91 Resp: 11944

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

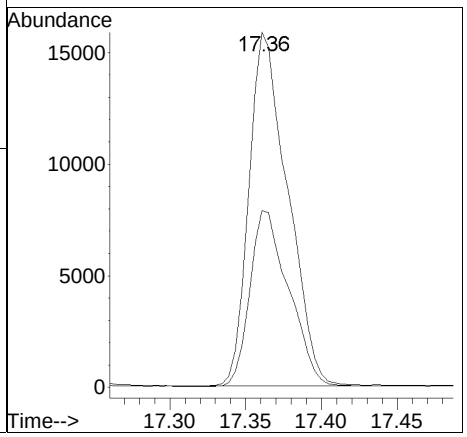


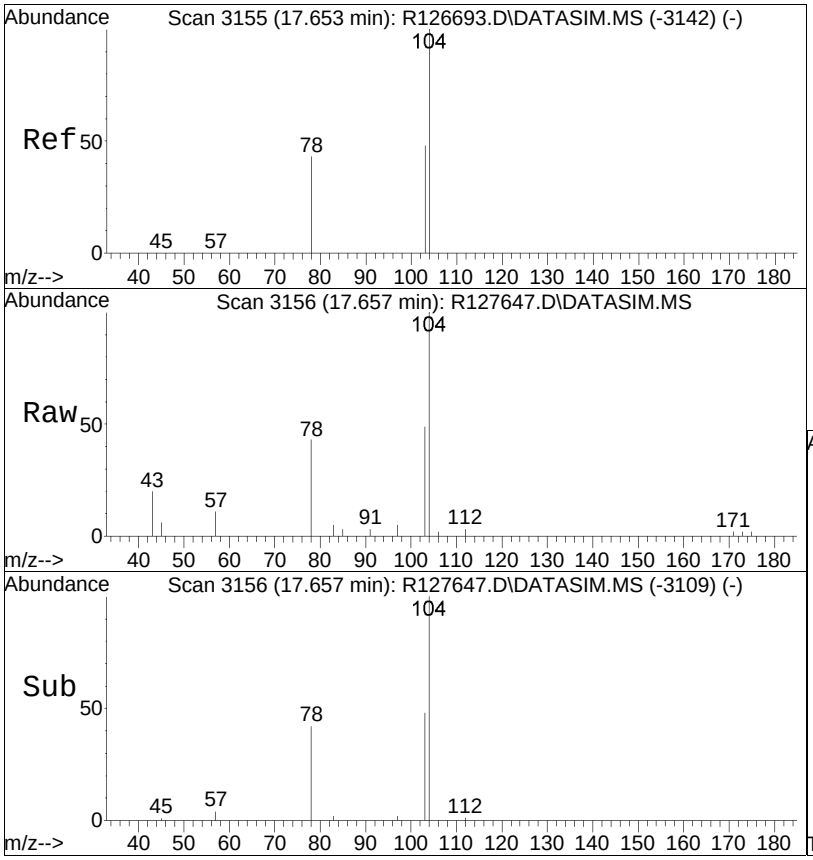


#59
m+p-xylene
Concen: 0.51 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 91 Resp: 28160

Ion	Ratio	Lower	Upper
91	100		
106	49.8	40.0	60.0

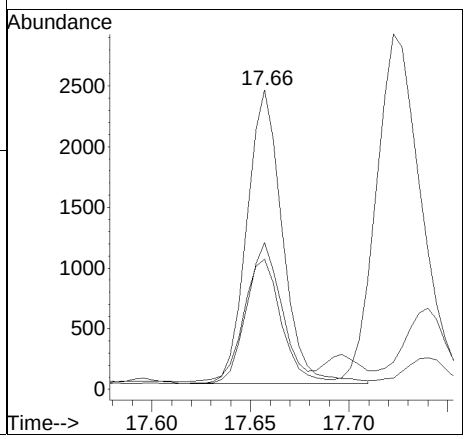


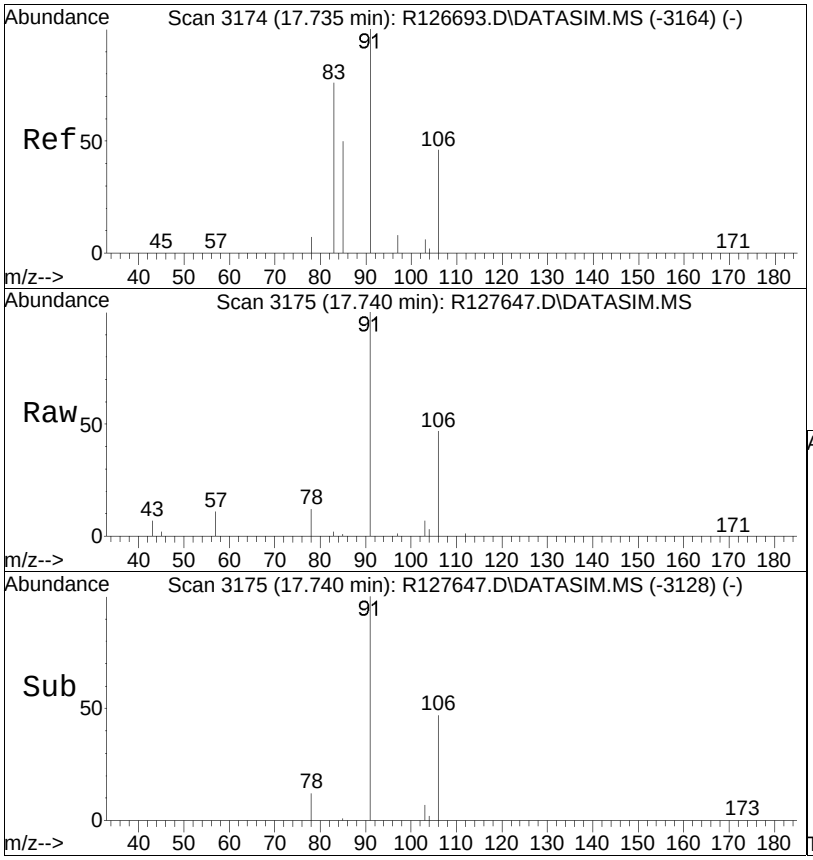


#61
styrene
Concen: 0.07 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:104 Resp: 3043

Ion	Ratio	Lower	Upper
104	100		
103	49.0	38.3	57.5
78	43.5	35.0	52.6

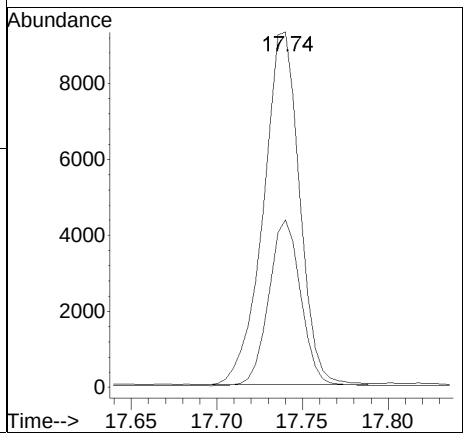


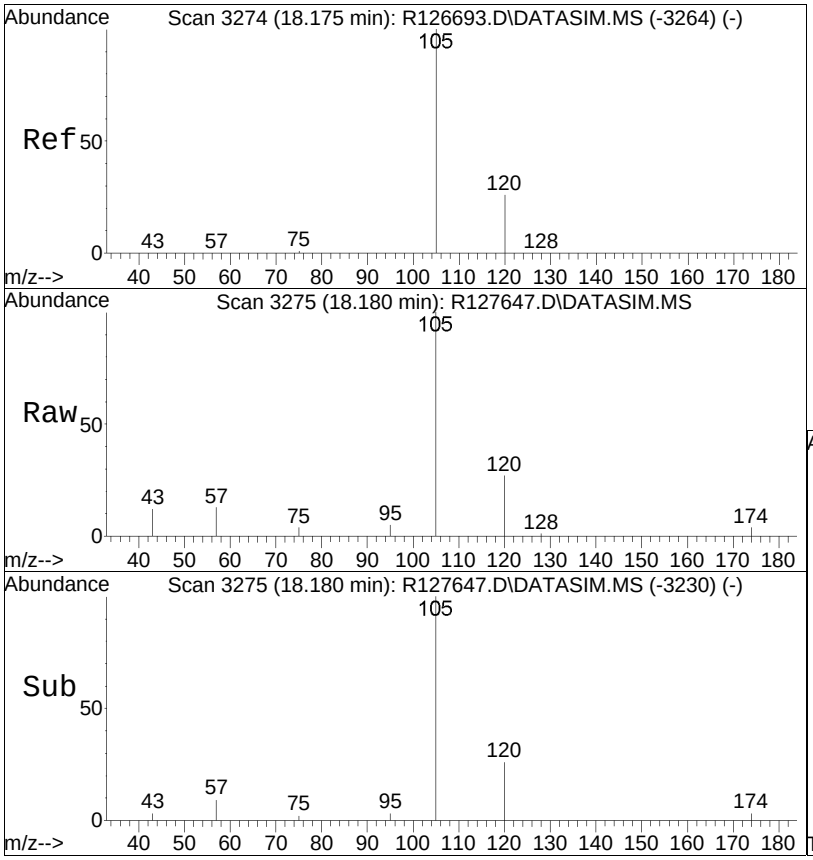


#63
o-xylene
Concen: 0.24 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion: 91 Resp: 13653

Ion	Ratio	Lower	Upper
91	100		
106	47.2	37.1	55.7

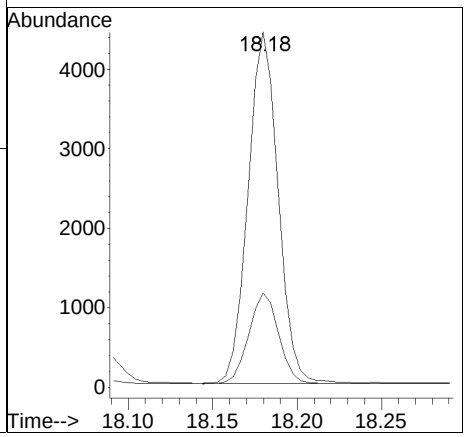


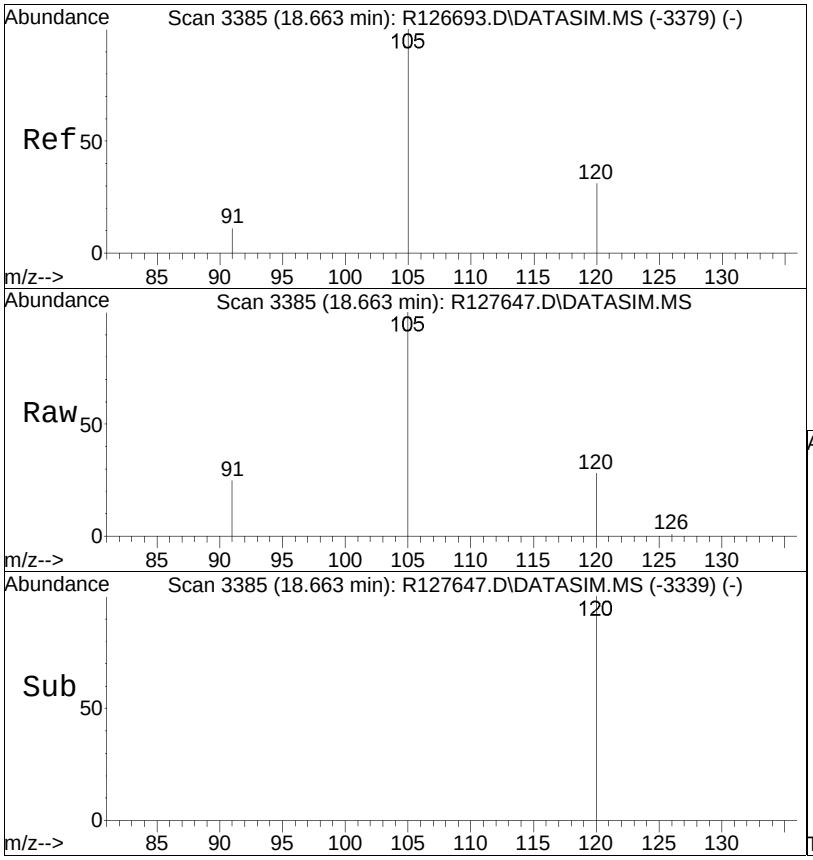


#65
isopropylbenzene
Concen: 0.06 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:105 Resp: 5466

Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.7	31.1

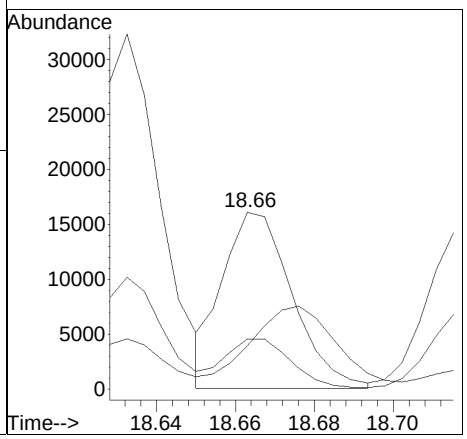


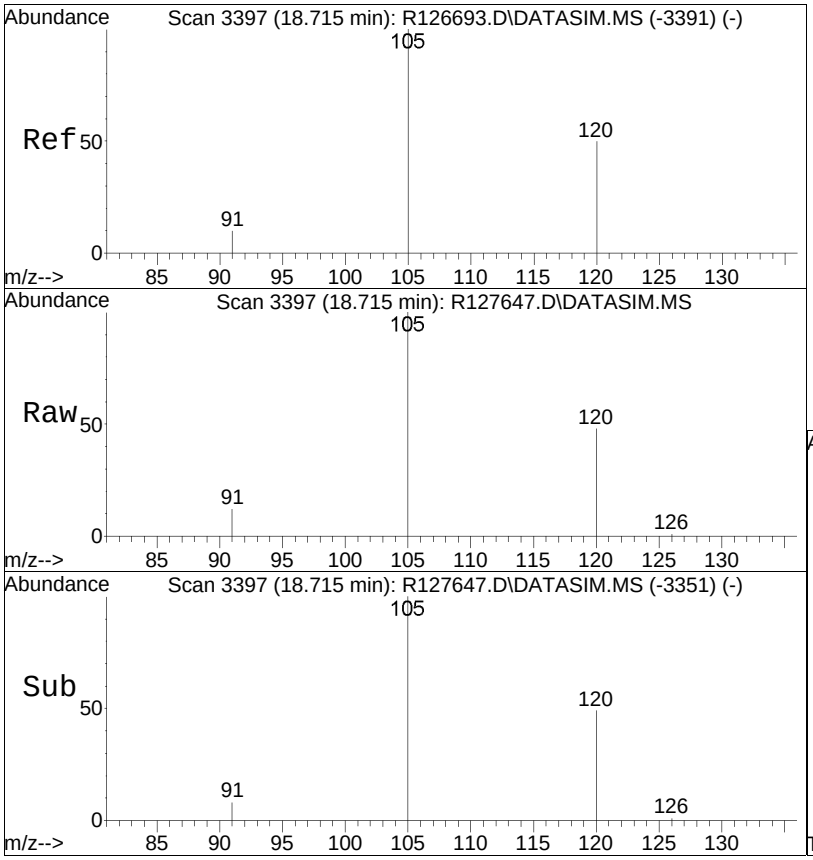


#66
4-ethyl toluene
Concen: 0.24 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:105 Resp: 19746

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.7	35.5
91	24.7	8.5	12.7#

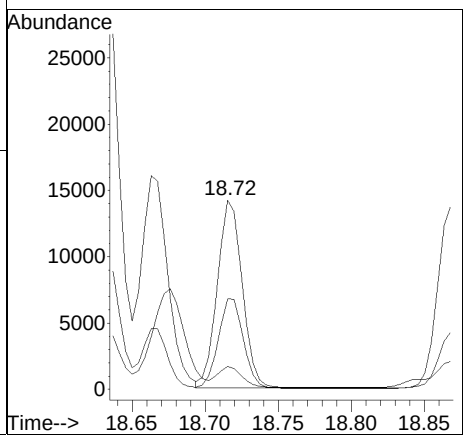


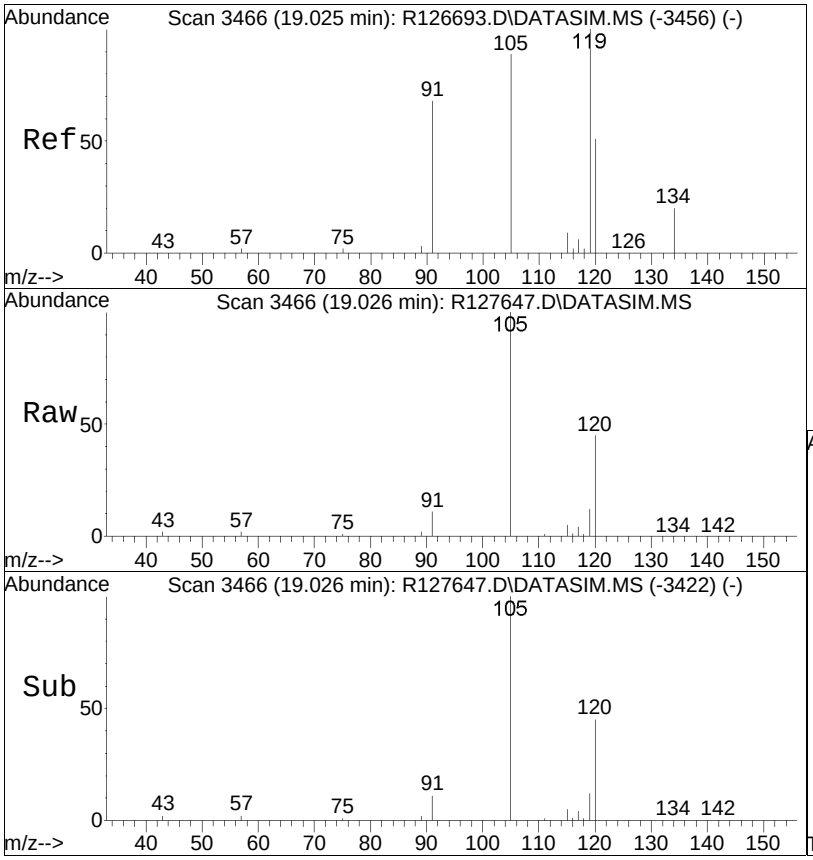


#67
1,3,5-trimethylbenzene
Concen: 0.25 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:105 Resp: 16888

Ion	Ratio	Lower	Upper
105	100		
120	47.8	39.0	58.4
91	12.2	8.0	12.0#

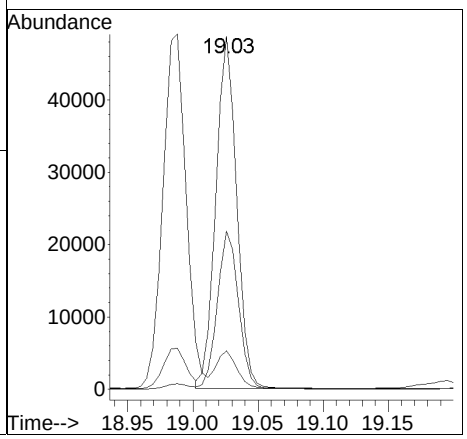


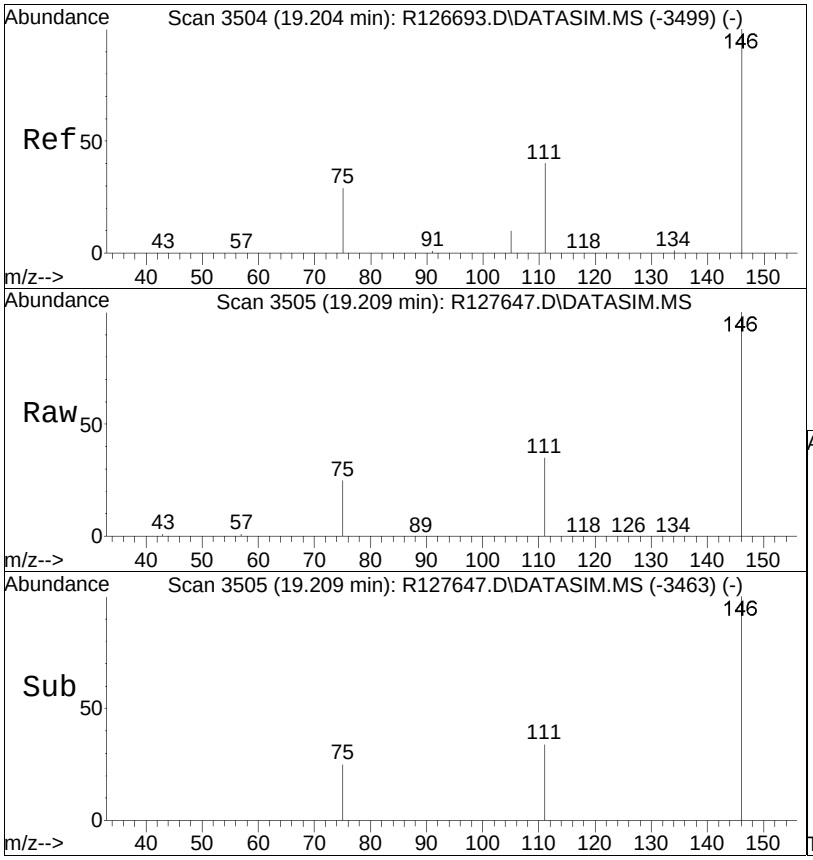


#69
1,2,4-trimethylbenzene
Concen: 0.79 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:105 Resp: 54225

Ion	Ratio	Lower	Upper
105	100		
120	44.9	44.9	67.3#
91	11.0	58.6	88.0#

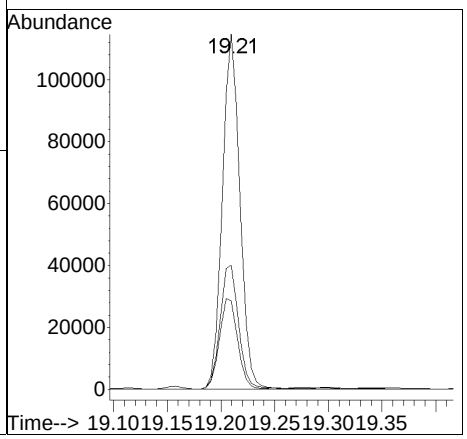


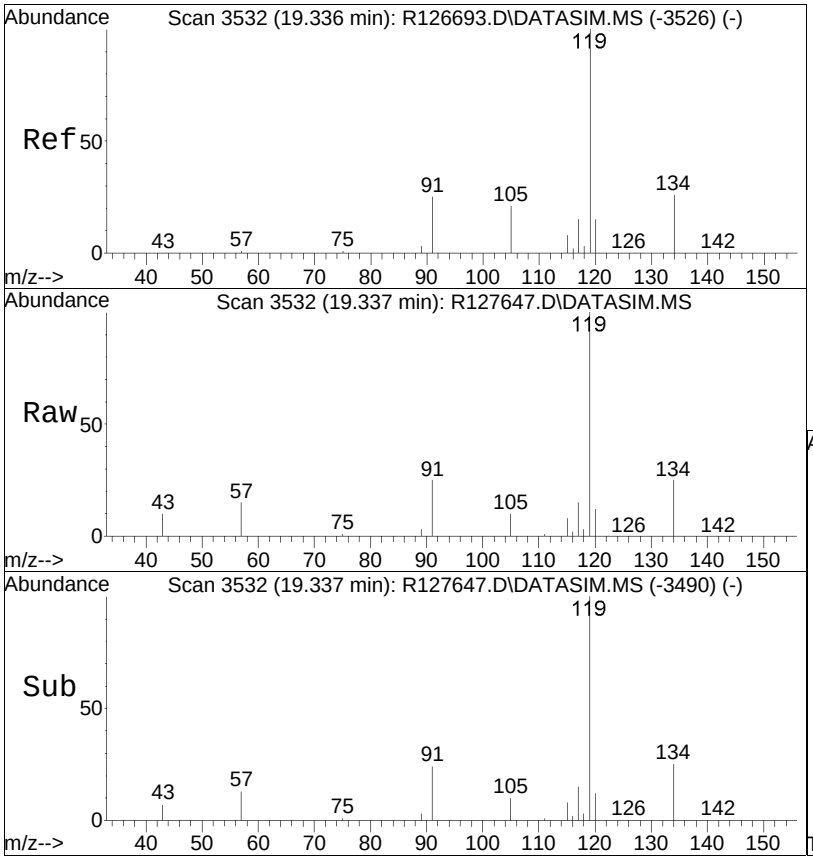


#72
1,4-dichlorobenzene
Concen: 2.48 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:146 Resp: 130705

Ion	Ratio	Lower	Upper
146	100		
111	35.0	26.4	39.6
75	24.9	18.0	27.0

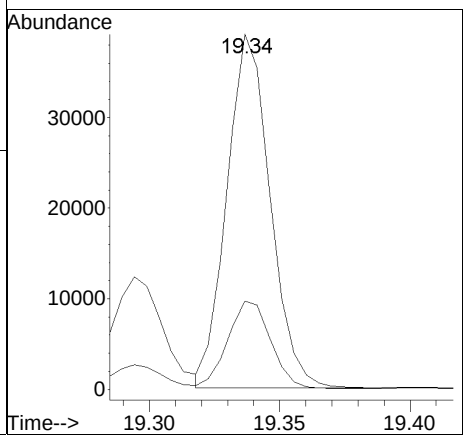


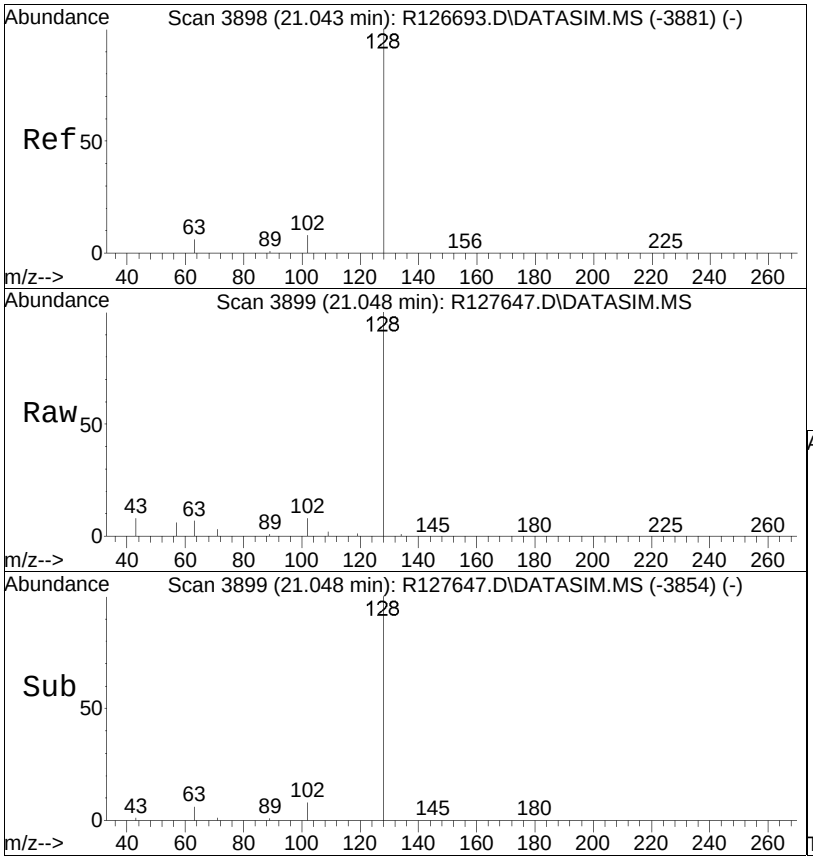


#74
p-isopropyltoluene
Concen: 0.48 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. -0.000 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:119 Resp: 45112

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.4	30.6

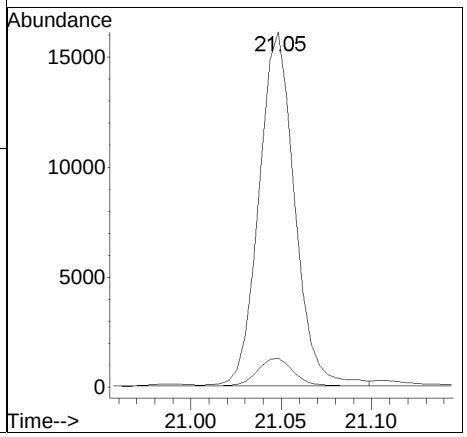




#78
naphthalene
Concen: 0.22 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127647.D
Acq: 12 Apr 2013 8:21 pm

Tgt Ion:128 Resp: 22125

Ion	Ratio	Lower	Upper
128	100		
102	8.2	6.2	9.2

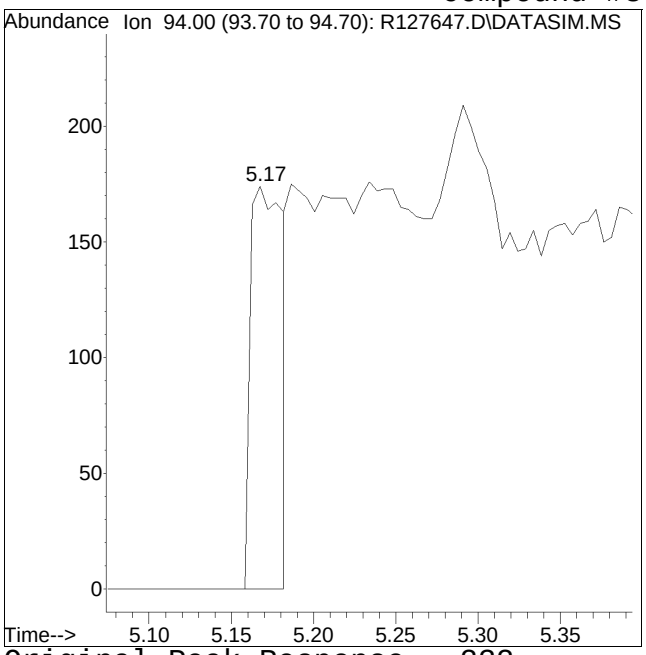


Manual Integration/Negative Proof Report

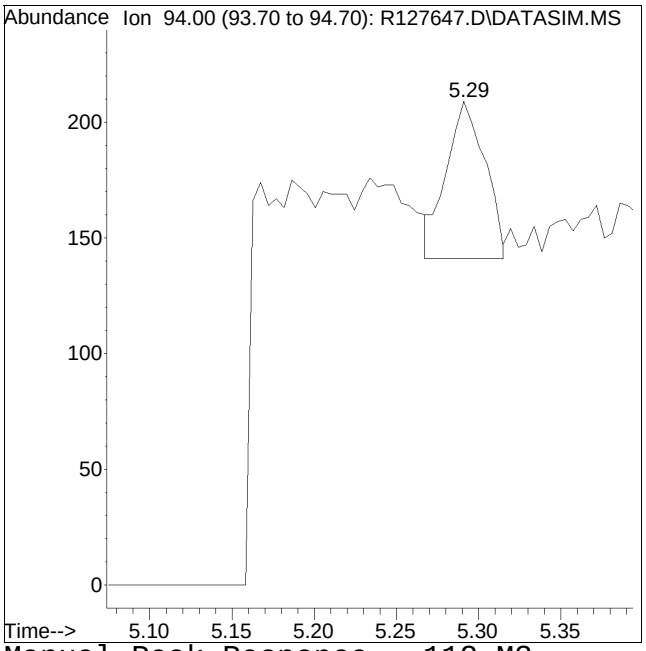
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #8: bromomethane



Original Peak Response = 232



Manual Peak Response = 112 M3

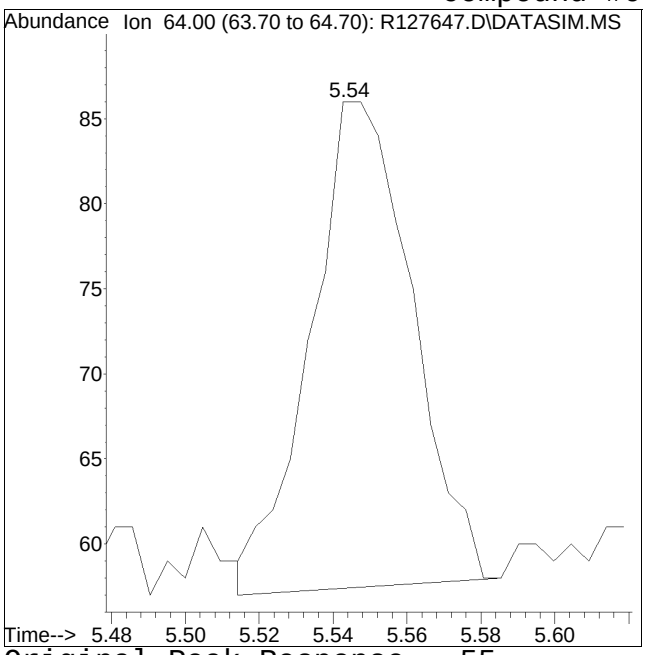
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

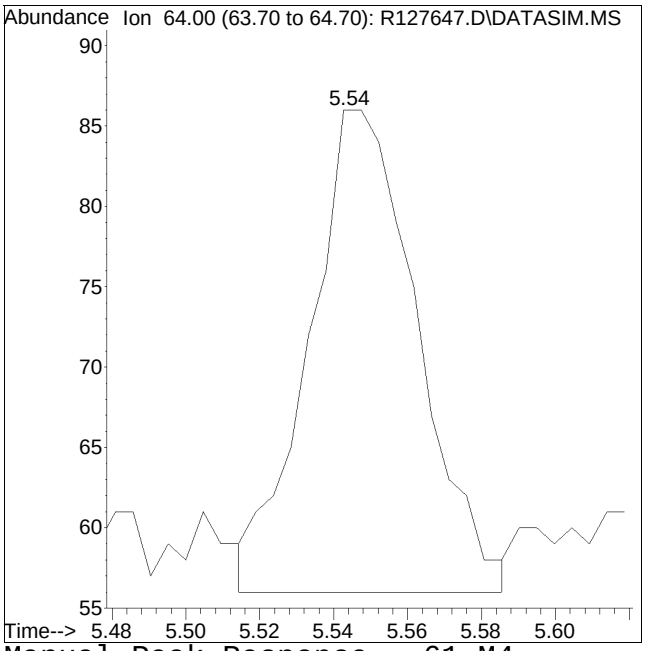
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #9: chloroethane



Original Peak Response = 55



Manual Peak Response = 61 M4

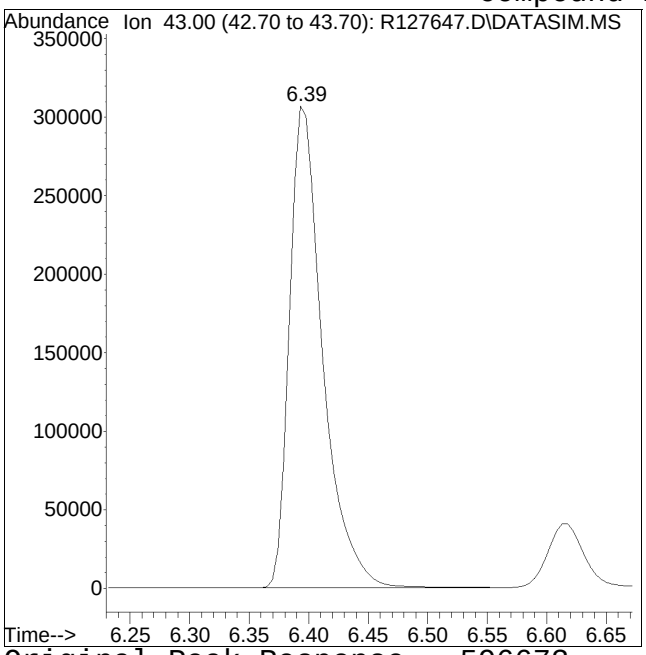
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

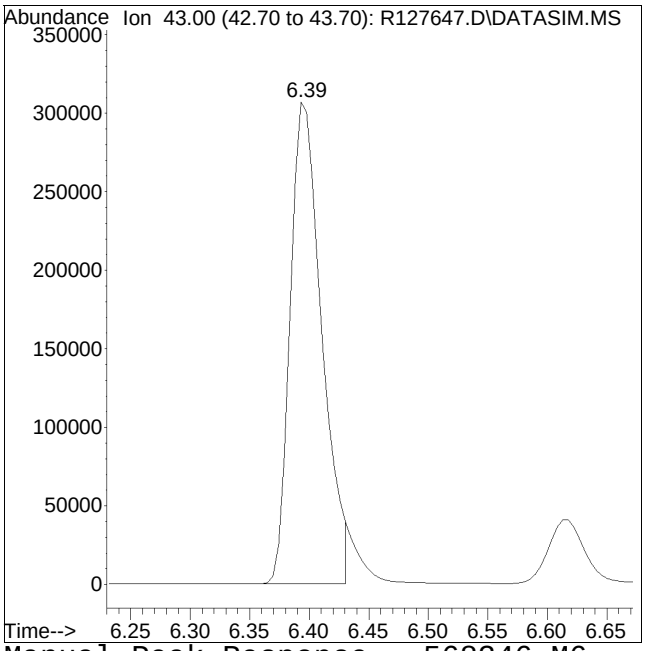
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #12: acetone



Original Peak Response = 596673



Manual Peak Response = 568346 M6

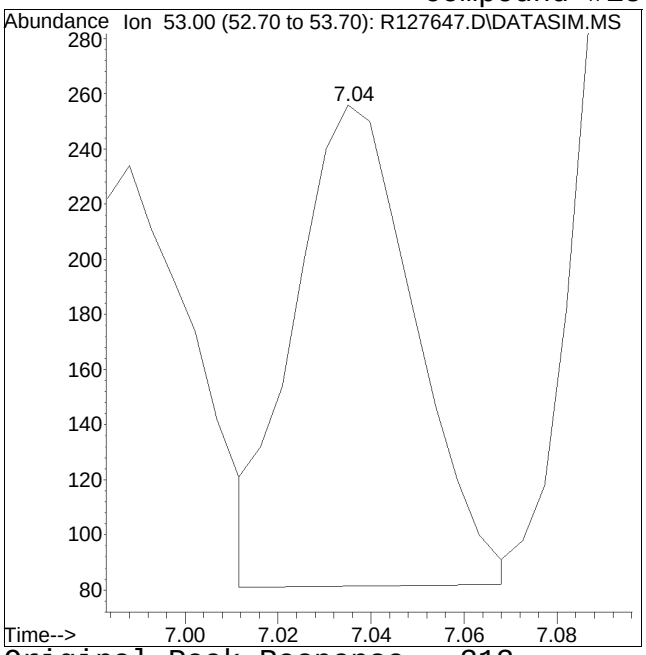
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

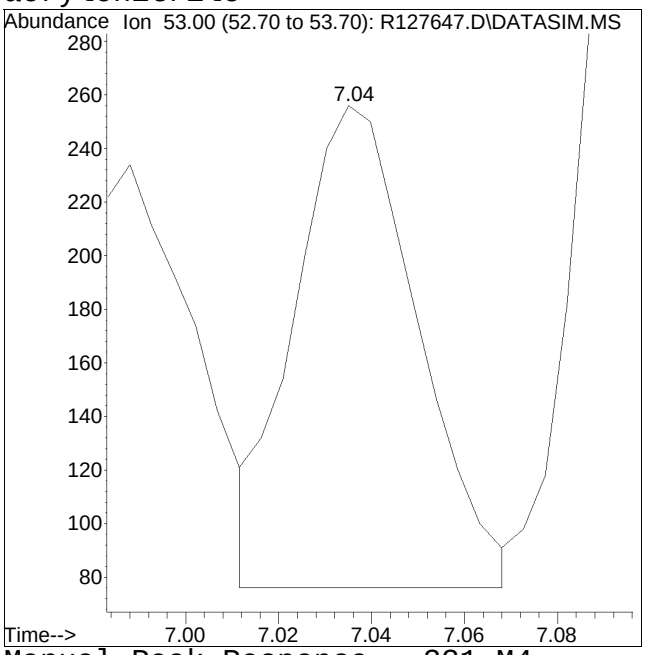
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #15: acrylonitrile



Original Peak Response = 313



Manual Peak Response = 331 M4

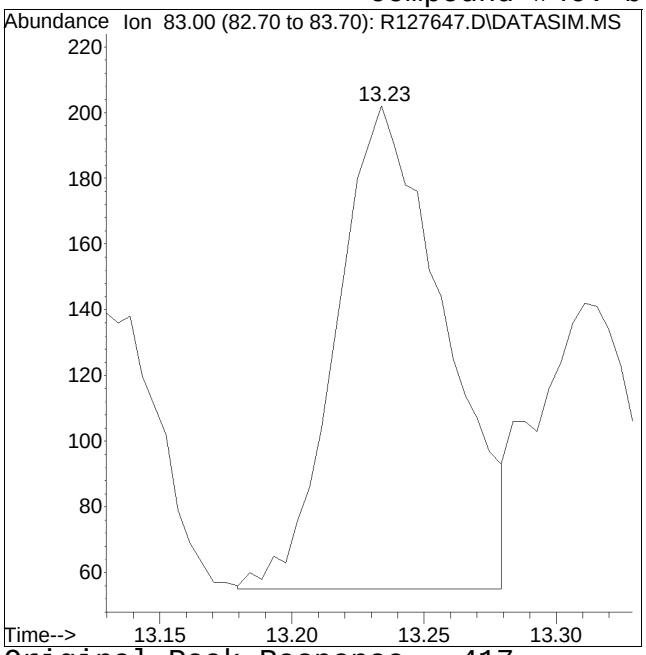
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

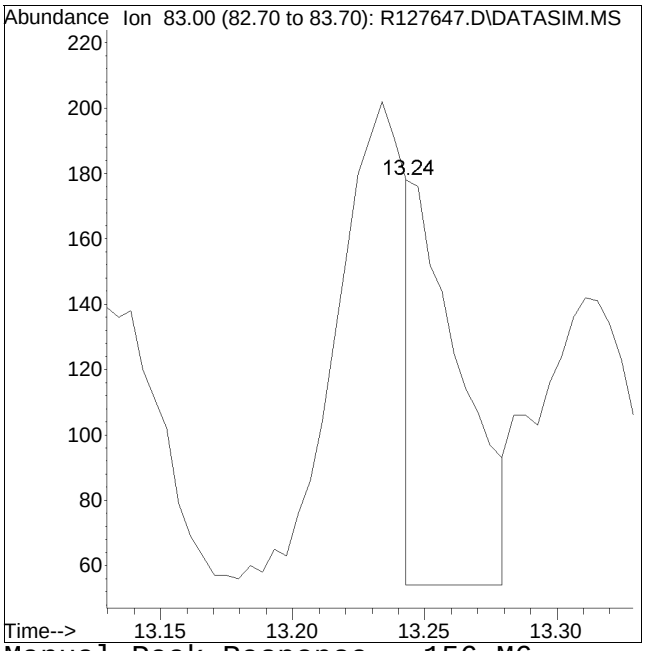
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #40: bromodichloromethane



Original Peak Response = 417



Manual Peak Response = 156 M6

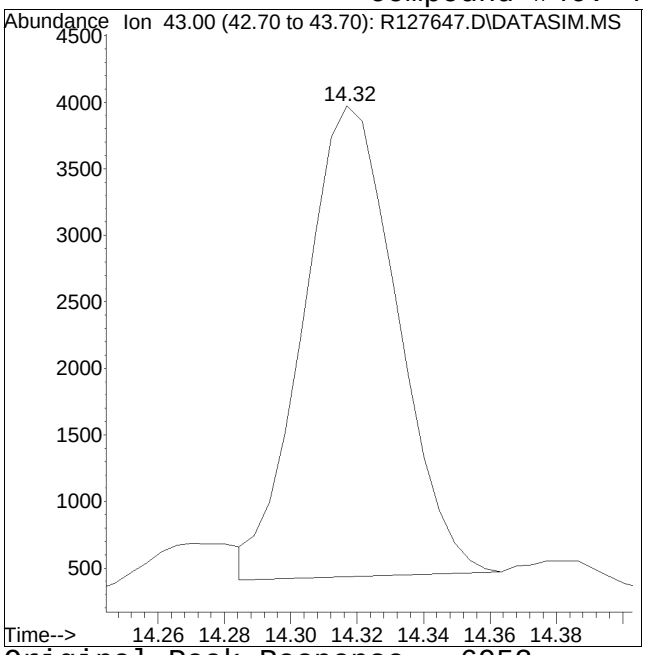
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

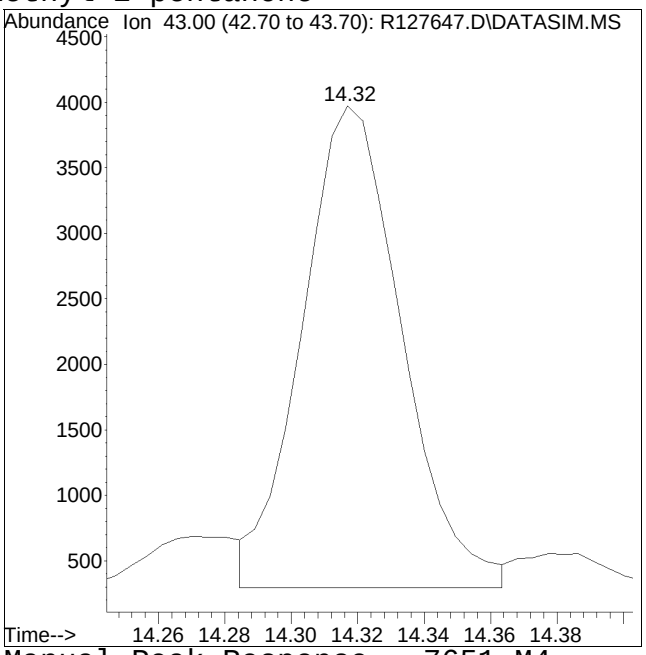
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 6952



Manual Peak Response = 7651 M4

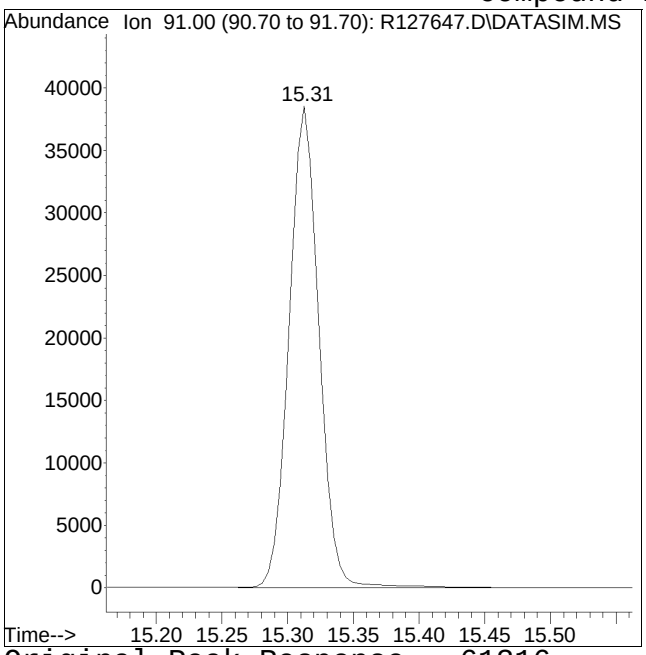
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

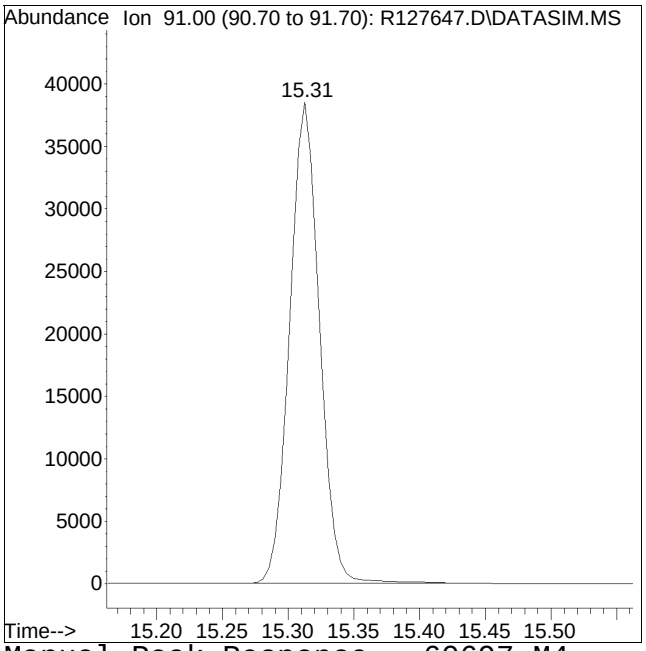
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #50: toluene



Original Peak Response = 61316



Manual Peak Response = 60697 M4

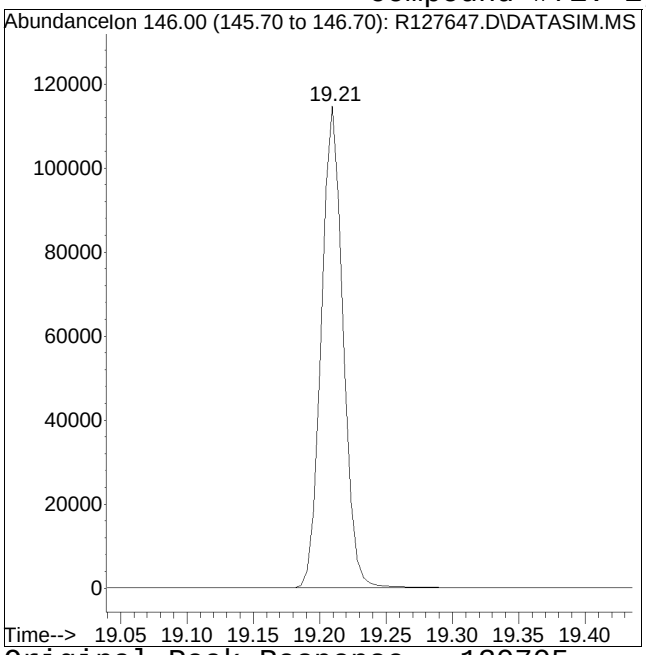
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

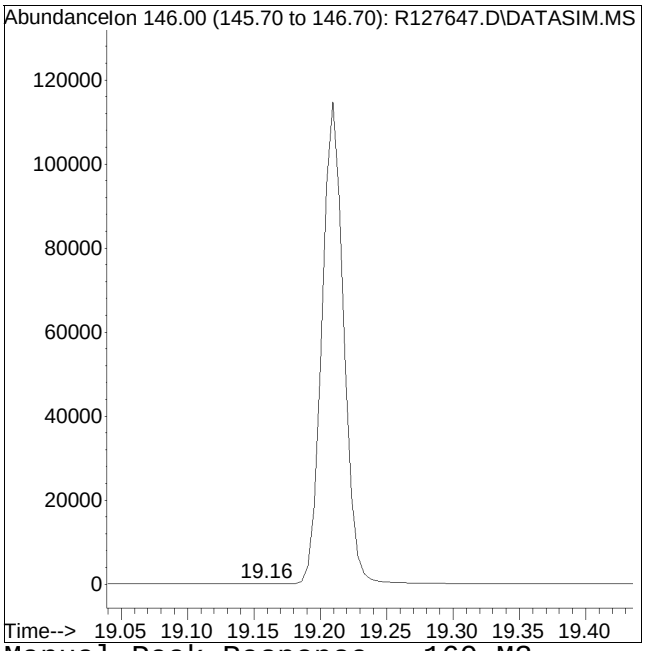
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #71: 1,3-dichlorobenzene



Original Peak Response = 130705



Manual Peak Response = 160 M3

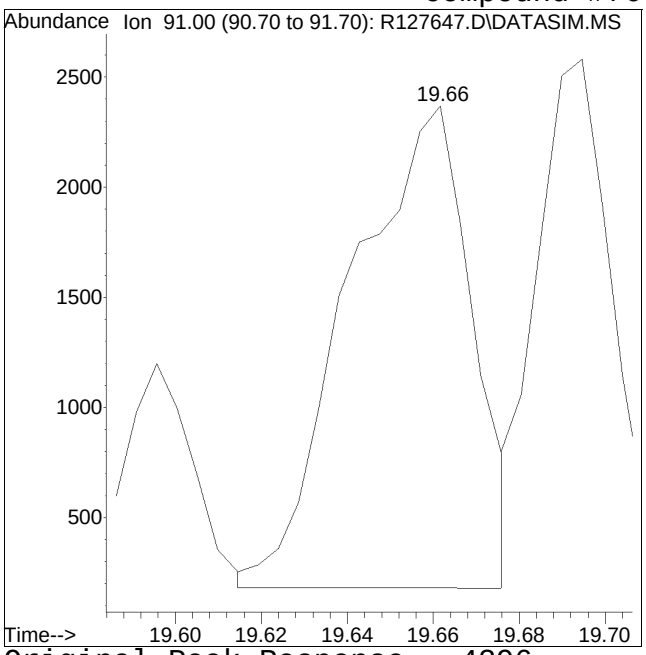
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

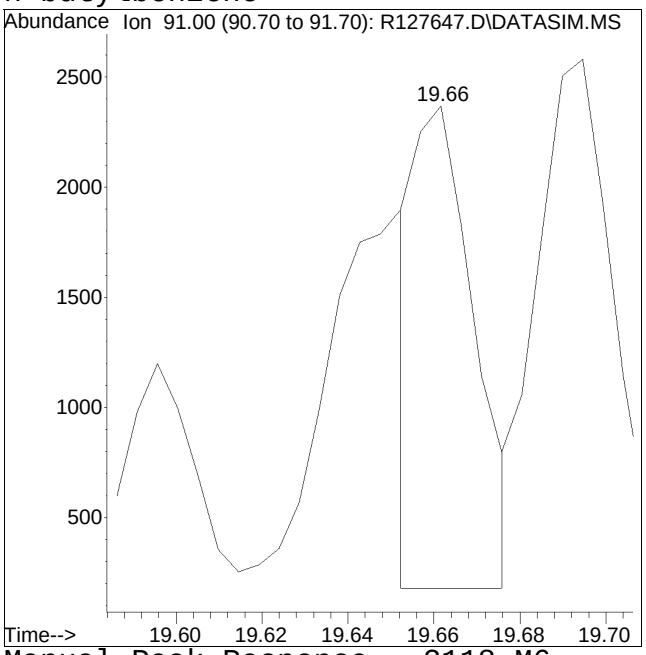
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #76: n-butylbenzene



Original Peak Response = 4296



Manual Peak Response = 2118 M6

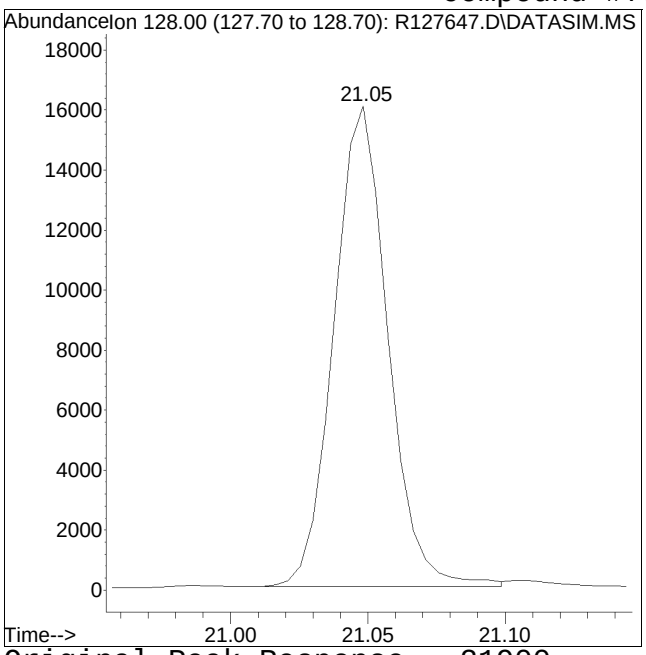
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

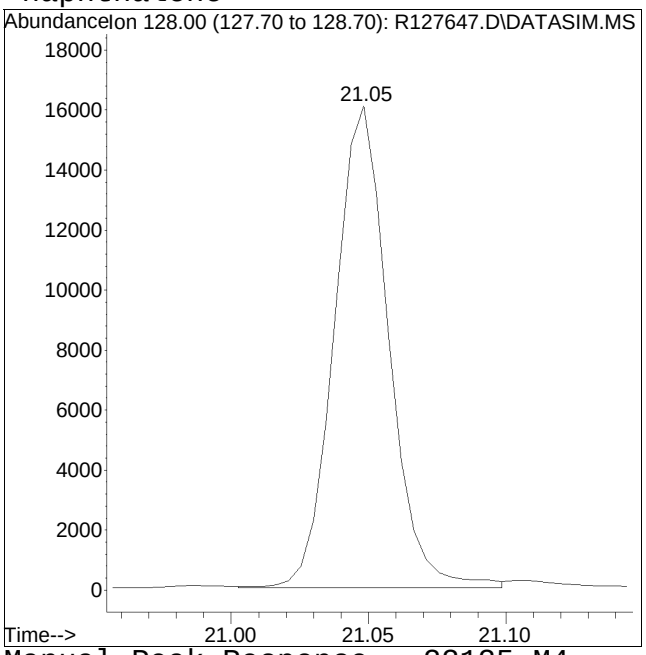
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127647.D
Date Inj'd : 4/12/2013 8:21 pm
Sample : L1306330-12,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:19 pm

Compound #78: naphthalene



Original Peak Response = 21900



Manual Peak Response = 22125 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127648.D
Acq On : 12 Apr 2013 8:53 pm
Operator : AIRPIANO1:MB
Sample : L1306330-13,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 16 09:43:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	236475	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 87.97%			
32) 1,4-difluorobenzene	12.49	114	539296	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.58%			
49) chlorobenzene-D5	16.90	54	135970	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 102.45%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13934	0.455	ppbV	99
4) chloromethane	4.40	50	9676	0.601	ppbV	98
5) Freon-114	4.55	85	501	0.015	ppbV #	93
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	1870	0.171	ppbV	86
8) bromomethane	5.29	94	101M3	0.008	ppbV	
9) chloroethane	5.55	64	44	0.007	ppbV #	1
12) acetone	6.40	43	317897	12.424	ppbV #	98
13) trichlorofluoromethane	6.62	101	8332	0.227	ppbV	99
15) acrylonitrile	7.04	53	202	0.016	ppbV #	83
16) 1,1-dichloroethene	7.62		0	N.D.		
17) methylene chloride	7.64	49	11346	0.531	ppbV	96
20) Freon 113	7.99	101	1996	0.078	ppbV	97
22) trans-1,2-dichloroethene	8.83		0	N.D.		
23) 1,1-dichloroethane	9.07		0	N.D.		
24) MTBE	9.19		0	N.D.		
26) 2-butanone	9.58	43	47385	1.182	ppbV	98
27) cis-1,2-dichloroethene	10.07		0	N.D.		
29) chloroform	10.43	83	479	0.017	ppbV #	83
31) 1,2-dichloroethane	11.28	62	384	0.018	ppbV #	64
35) 1,1,1-trichloroethane	11.56	97	1864	0.065	ppbV #	92
36) benzene	12.09	78	13442	0.315	ppbV	98
37) carbon tetrachloride	12.25	117	3431	0.108	ppbV	96
39) 1,2-dichloropropane	13.01	63	118	0.006	ppbV #	42
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	6110	0.293	ppbV	97
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.32	43	4982M6	0.103	ppbV	
47) trans-1,3-dichloropropene	14.82		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127648.D
Acq On : 12 Apr 2013 8:53 pm
Operator : AIRPIANO1:MB
Sample : L1306330-13,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 16 09:43:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

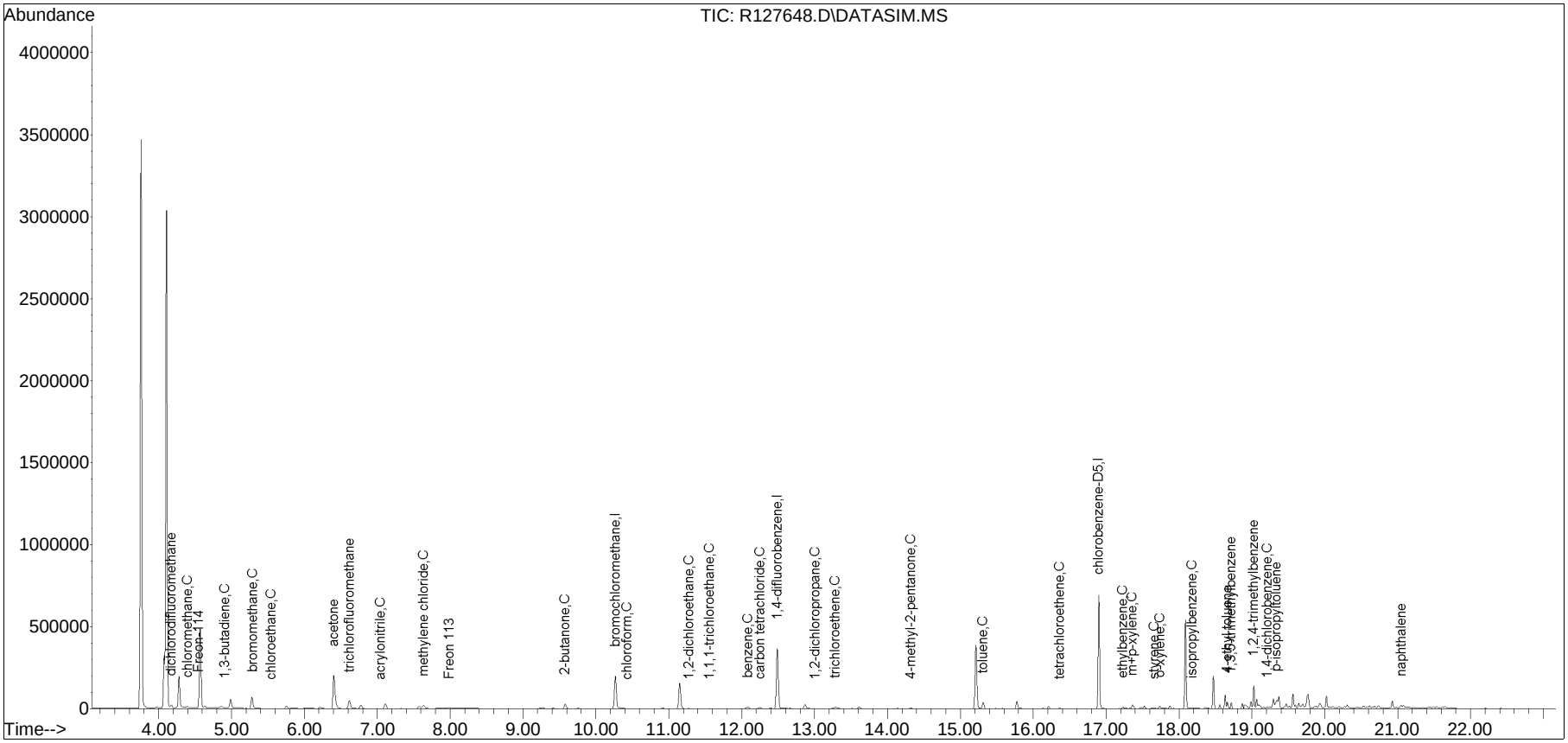
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	34247	0.621	ppbV		100
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.87		0	N.D.			
55) tetrachloroethene	16.36	166	1744	0.061	ppbV		93
56) 1,1,1,2-tetrachloroethane	16.92		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	8313	0.118	ppbV		100
59) m+p-xylene	17.36	91	21821	0.398	ppbV		98
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	2660	0.063	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.			
63) o-xylene	17.74	91	9429	0.165	ppbV		100
65) isopropylbenzene	18.18	105	4375	0.052	ppbV		100
66) 4-ethyl toluene	18.66	105	32027	0.385	ppbV	#	96
67) 1,3,5-trimethylbenzene	18.72	105	28296	0.415	ppbV		98
69) 1,2,4-trimethylbenzene	19.03	105	86004	1.259	ppbV	#	51
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21	146	5964	0.113	ppbV		89
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34	119	20682M6	0.220	ppbV		
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	17252M4	0.173	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

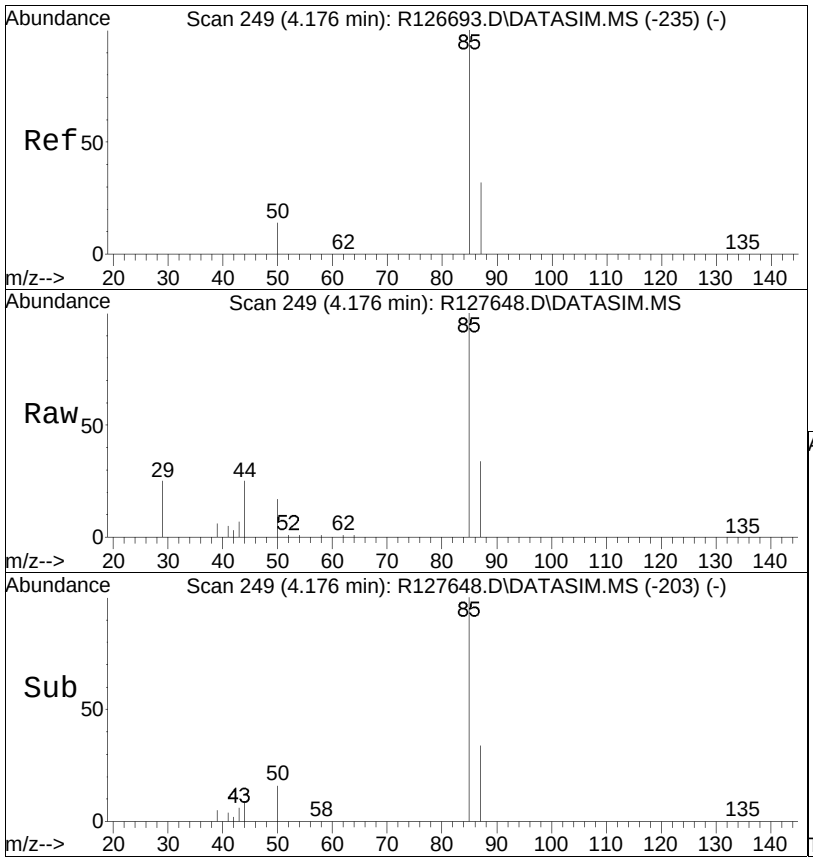
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127648.D
Acq On : 12 Apr 2013 8:53 pm
Operator : AIRPIANO1:MB
Sample : L1306330-13,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 16 09:43:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

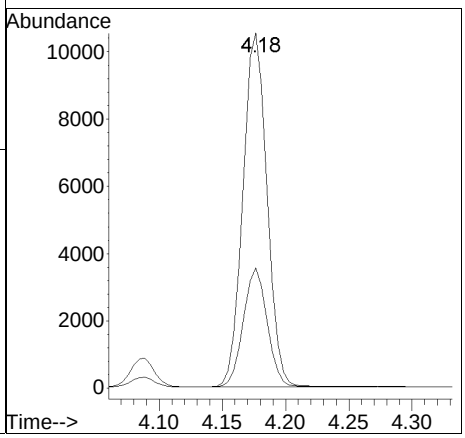


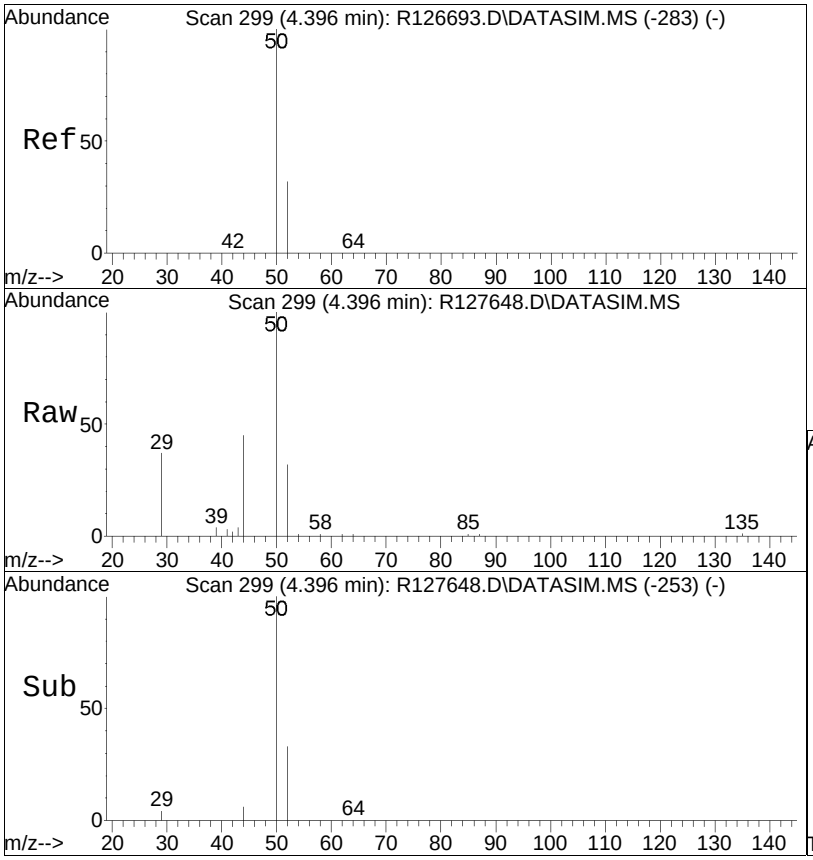


#3
dichlorodifluoromethane
Concen: 0.46 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 85 Resp: 13934

Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.6	40.0

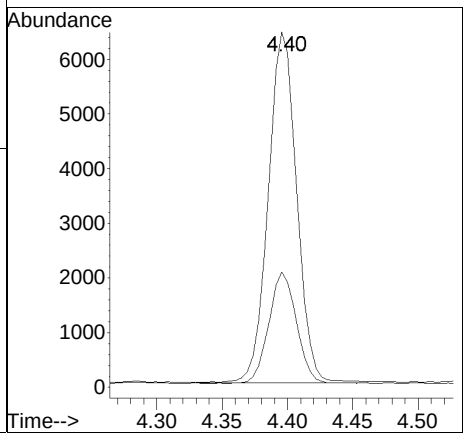


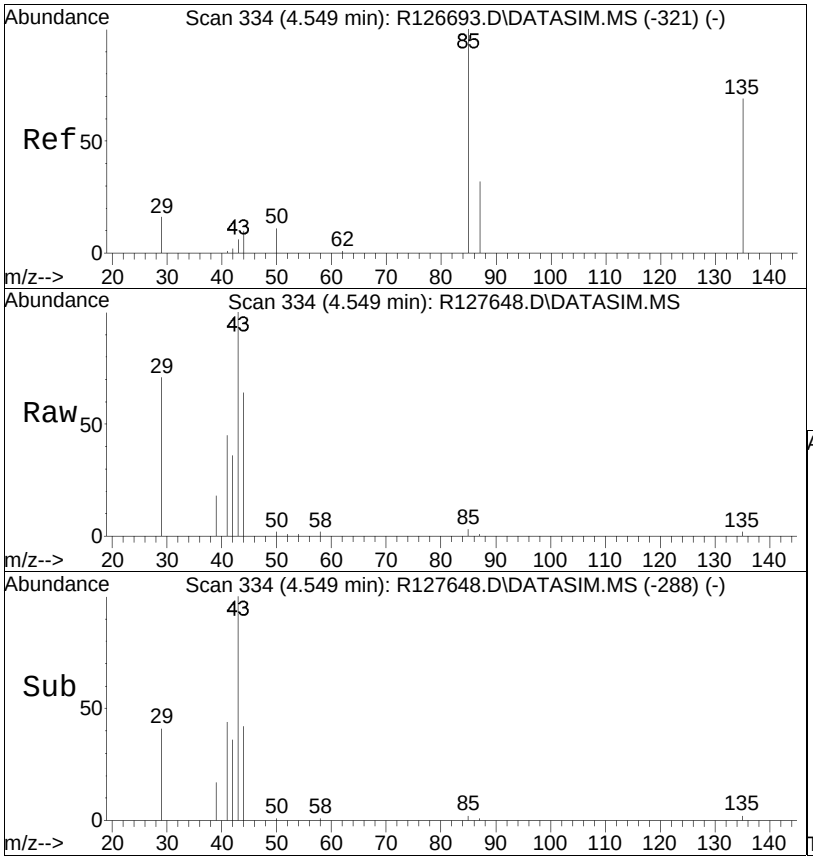


#4
chloromethane
Concen: 0.60 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 50 Resp: 9676

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.3	37.9

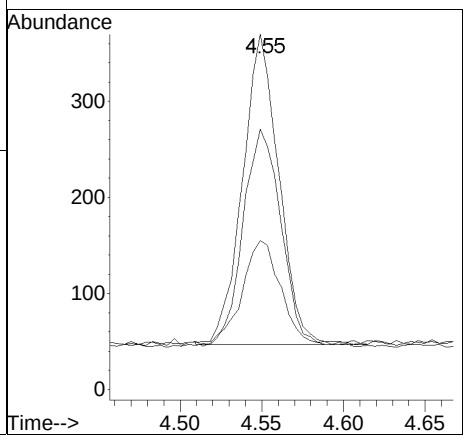


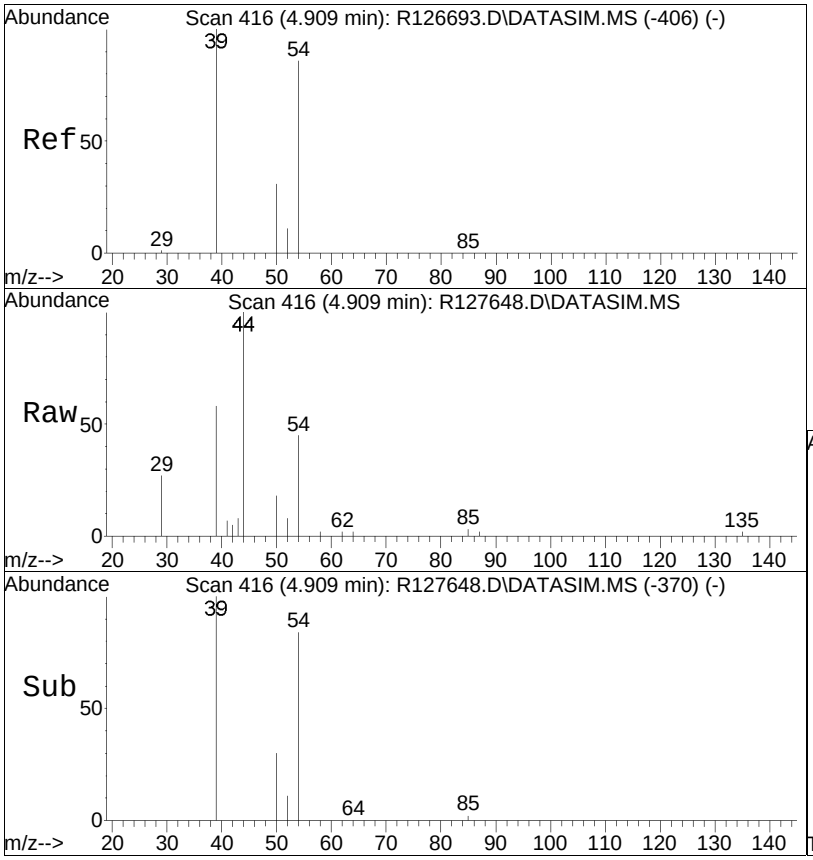


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 85 Resp: 501

Ion	Ratio	Lower	Upper
85	100		
87	41.9	26.5	39.7#
135	73.2	56.9	85.3

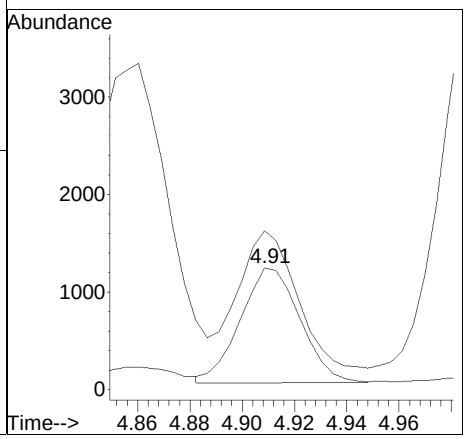


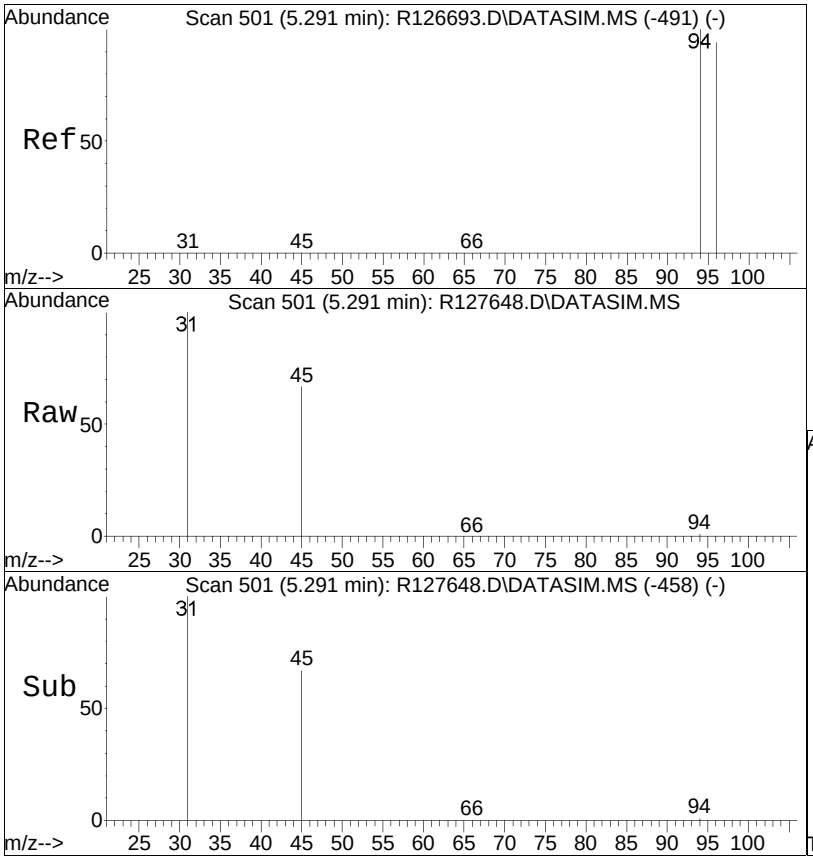


#7
1,3-butadiene
Concen: 0.17 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 54 Resp: 1870

Ion	Ratio	Lower	Upper
54	100		
39	130.6	92.4	138.6

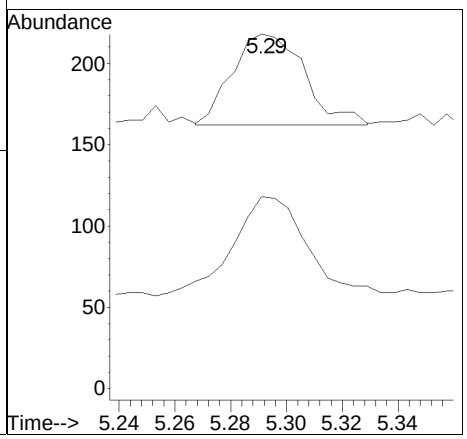


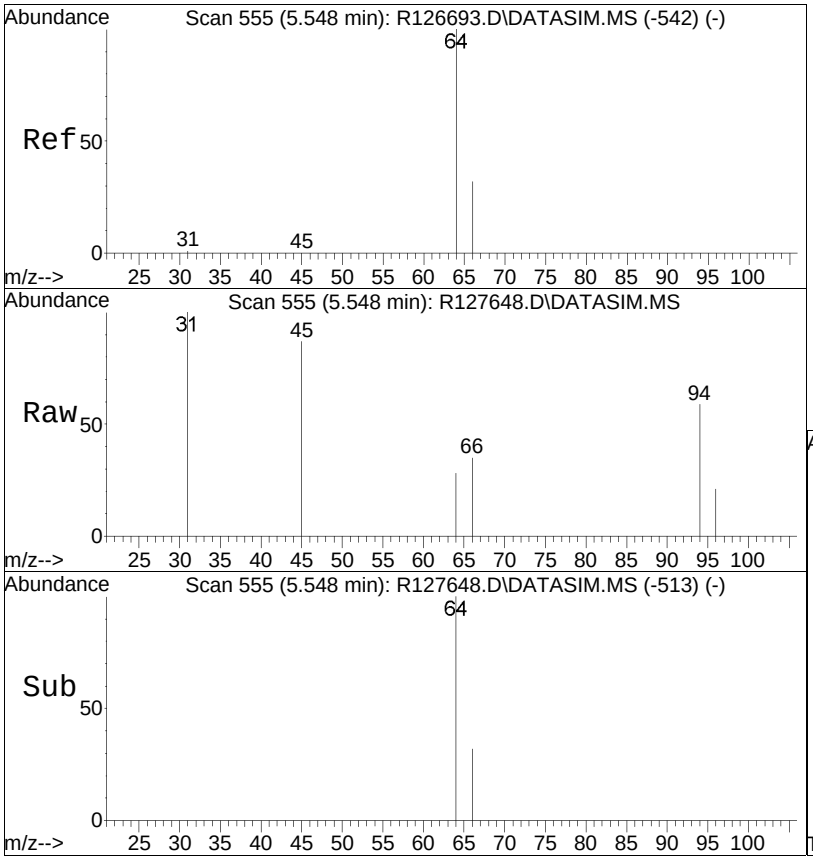


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 94 Resp: 101

Ion	Ratio	Lower	Upper
94	100		
96	54.1	76.9	115.3#

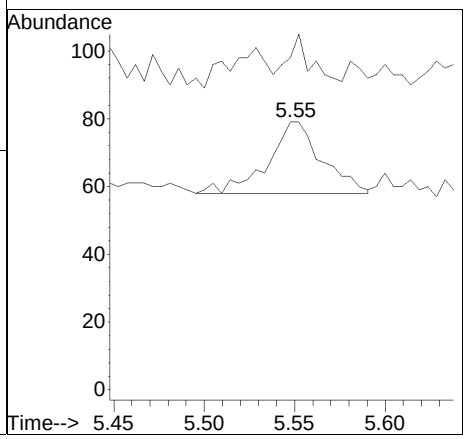


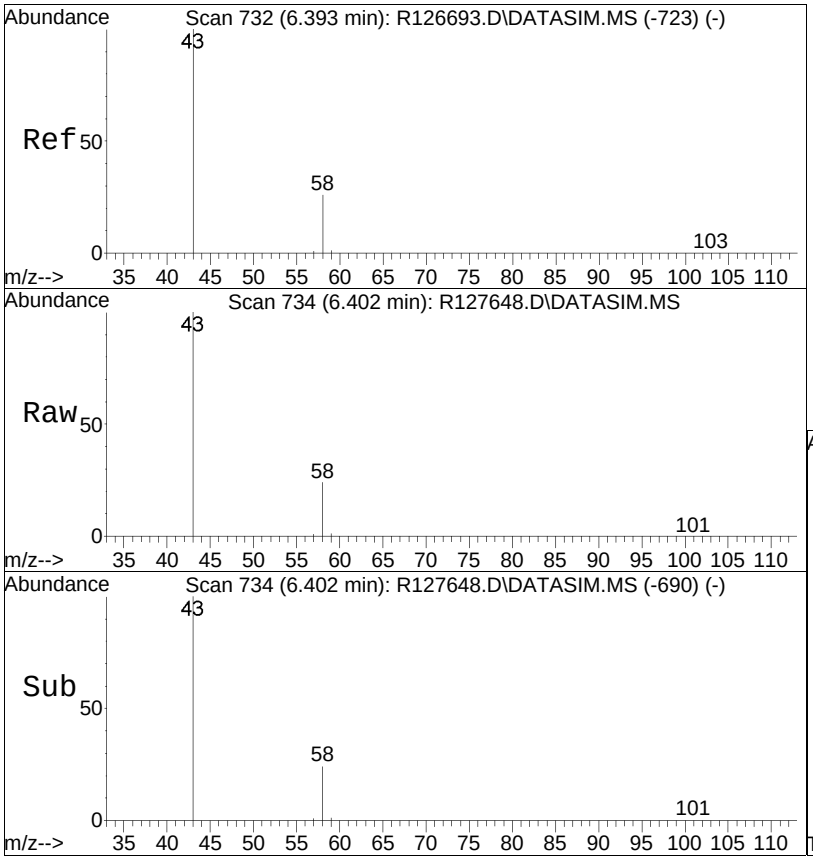


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 64 Resp: 44

Ion	Ratio	Lower	Upper
64	100		
66	124.1	25.5	38.3#

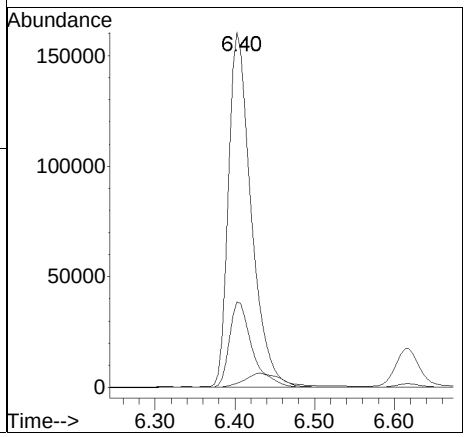


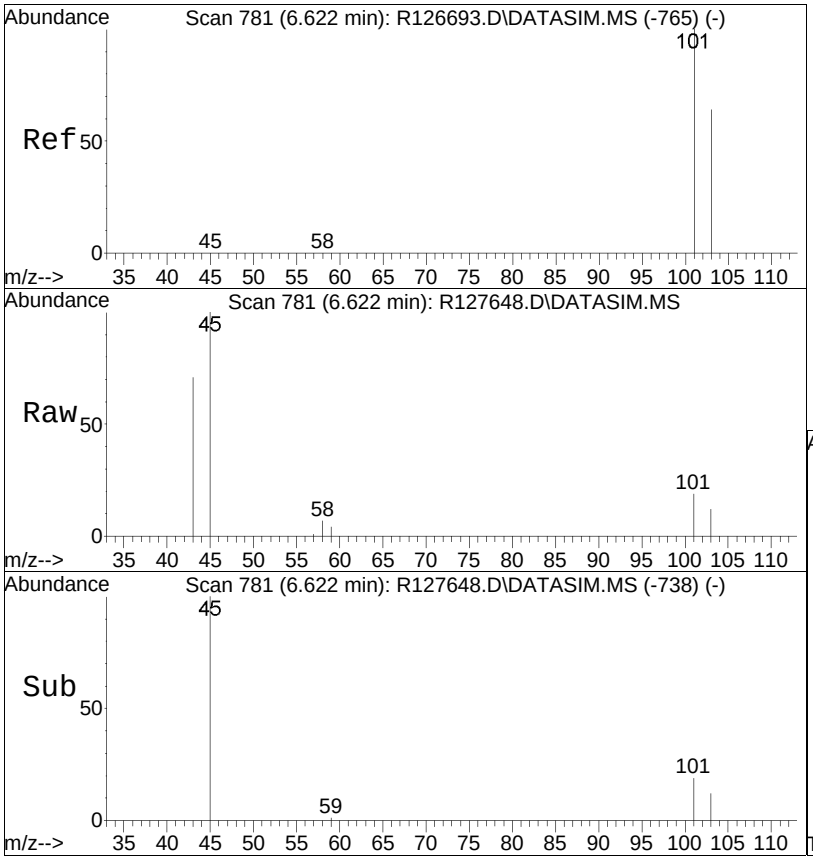


#12
acetone
Concen: 12.42 ppbV
RT: 6.40 min Scan# 734
Delta R.T. 0.009 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 43 Resp: 317897

Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.0	30.0
57	1.2	0.6	1.0#

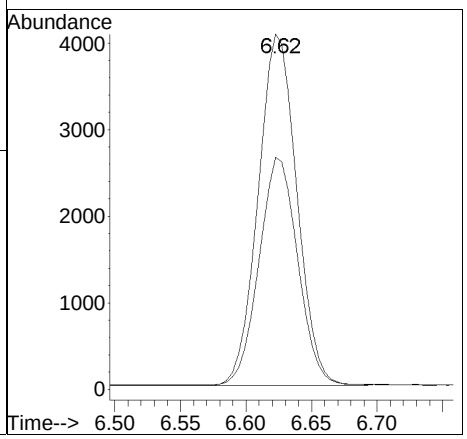


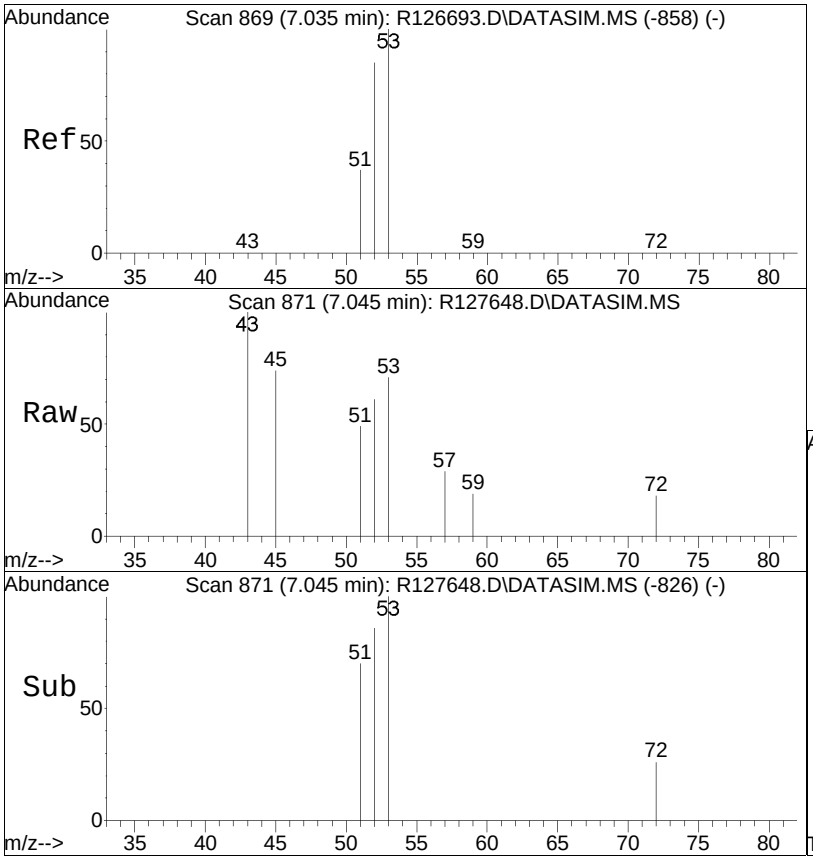


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:101 Resp: 8332

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

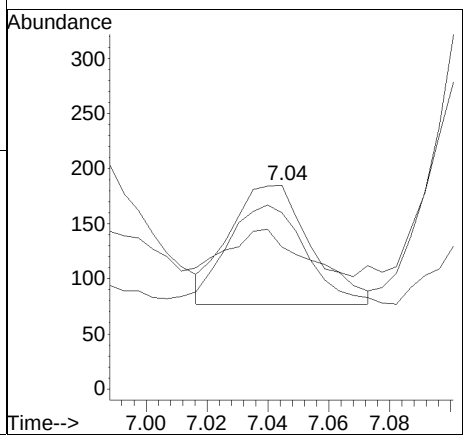


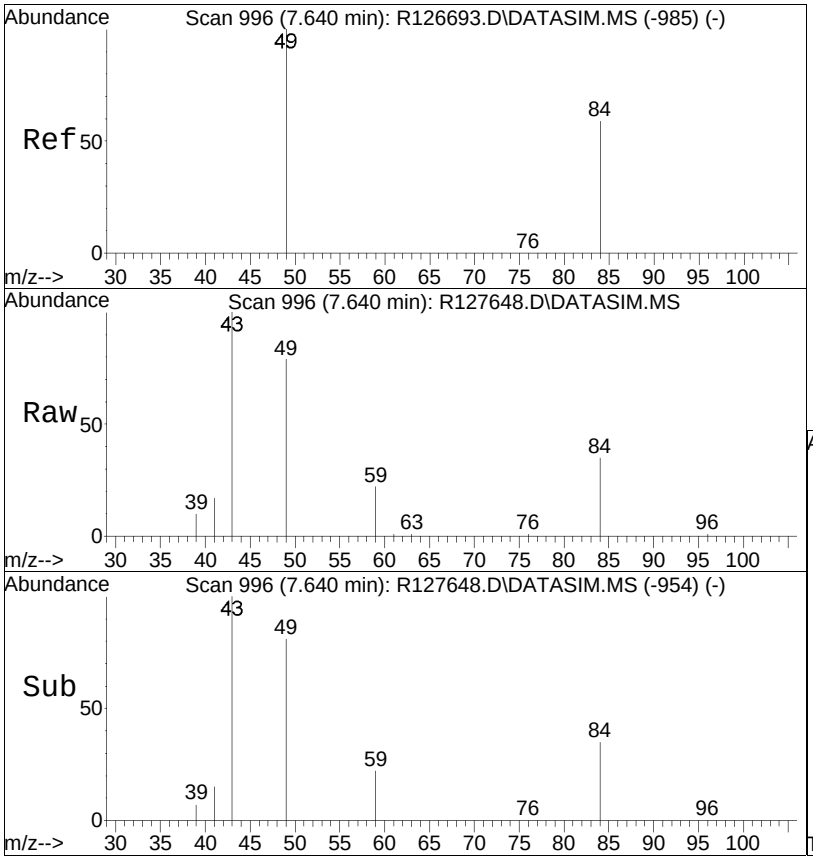


#15
acrylonitrile
Concen: 0.02 ppbV
RT: 7.04 min Scan# 871
Delta R.T. 0.009 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 53 Resp: 202

Ion	Ratio	Lower	Upper
53	100		
52	86.5	68.5	102.7
51	69.7	30.1	45.1#

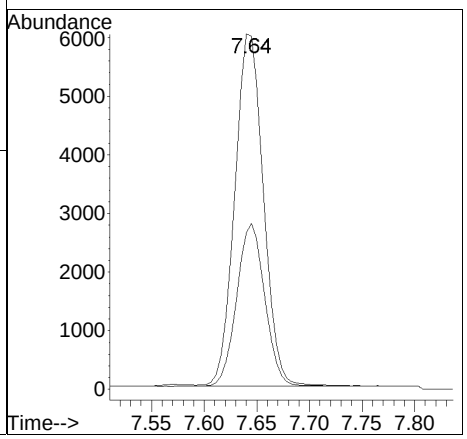


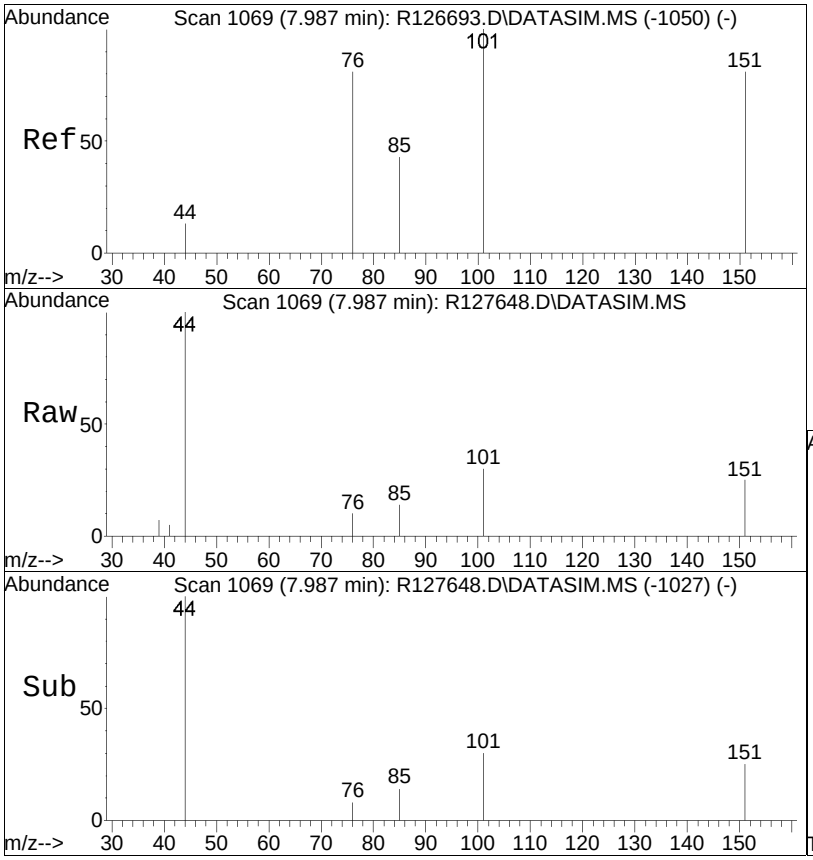


#17
methylene chloride
Concen: 0.53 ppbV
RT: 7.64 min Scan# 996
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 49 Resp: 11346

Ion	Ratio	Lower	Upper
49	100		
84	44.0	37.2	55.8

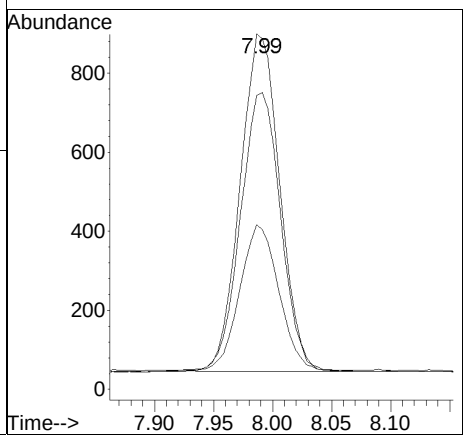


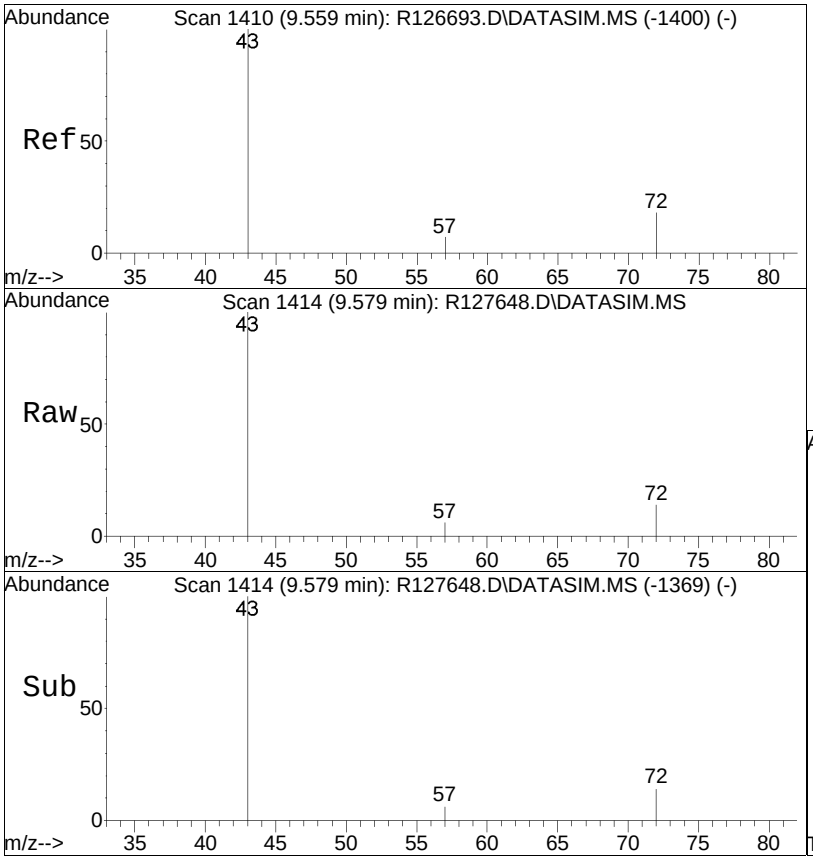


#20
Freon 113
Concen: 0.08 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:101 Resp: 1996

Ion	Ratio	Lower	Upper
101	100		
85	46.4	34.2	51.2
151	82.8	67.8	101.8

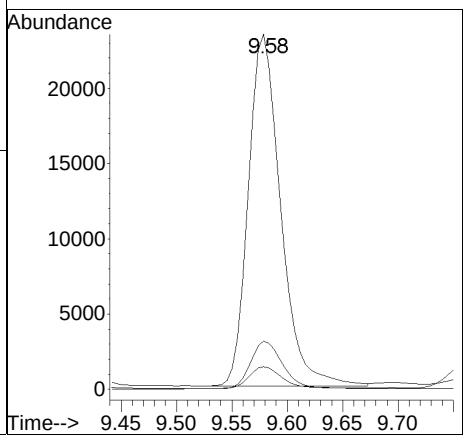


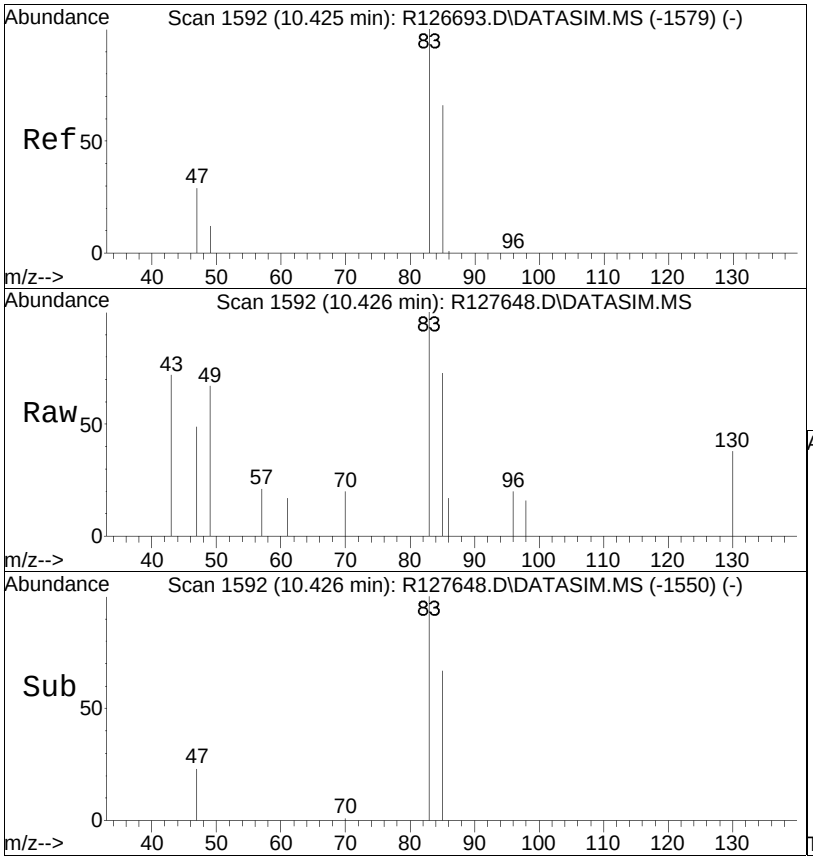


#26
2-butanone
Concen: 1.18 ppbV
RT: 9.58 min Scan# 1414
Delta R.T. 0.014 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 43 Resp: 47385

Ion	Ratio	Lower	Upper
43	100		
72	13.6	12.0	18.0
57	6.4	5.2	7.8

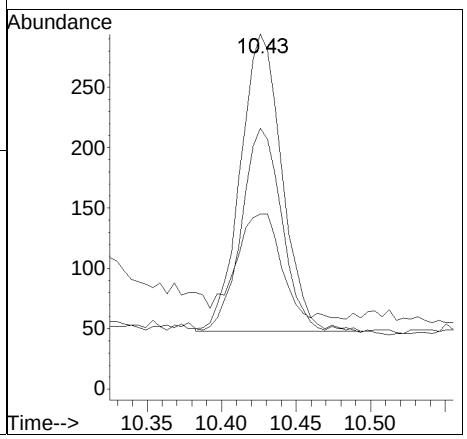


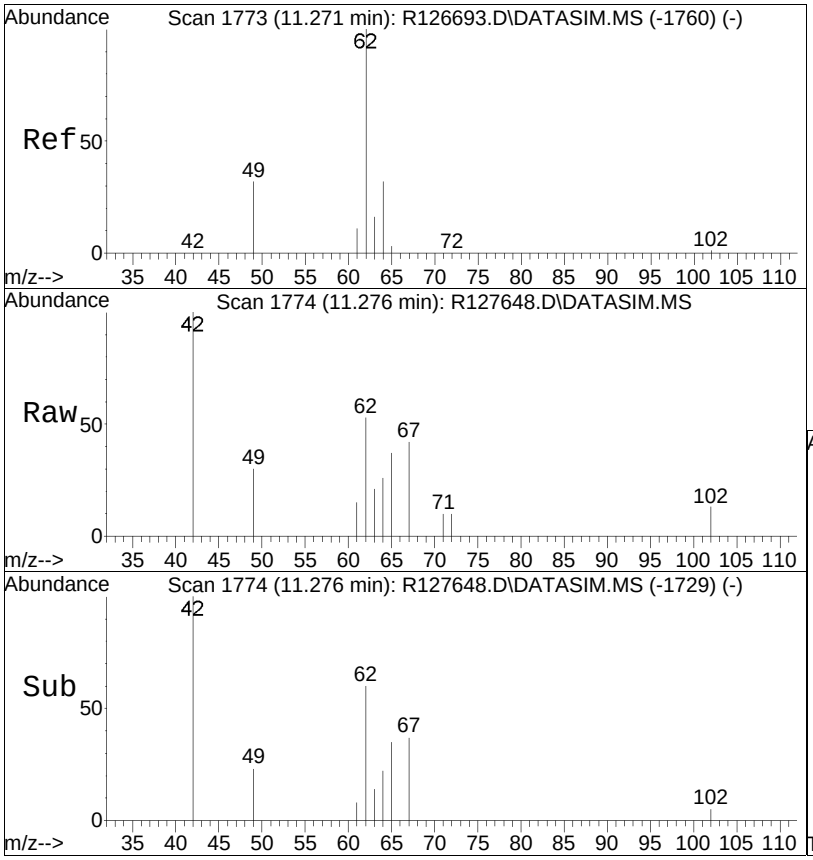


#29
chloroform
Concen: 0.02 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 83 Resp: 479

Ion	Ratio	Lower	Upper
83	100		
85	73.5	52.2	78.2
47	49.3	26.4	39.6#

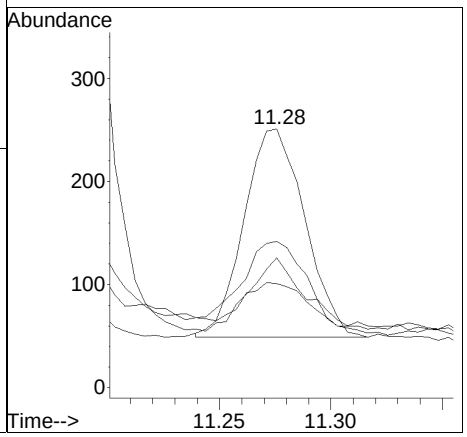


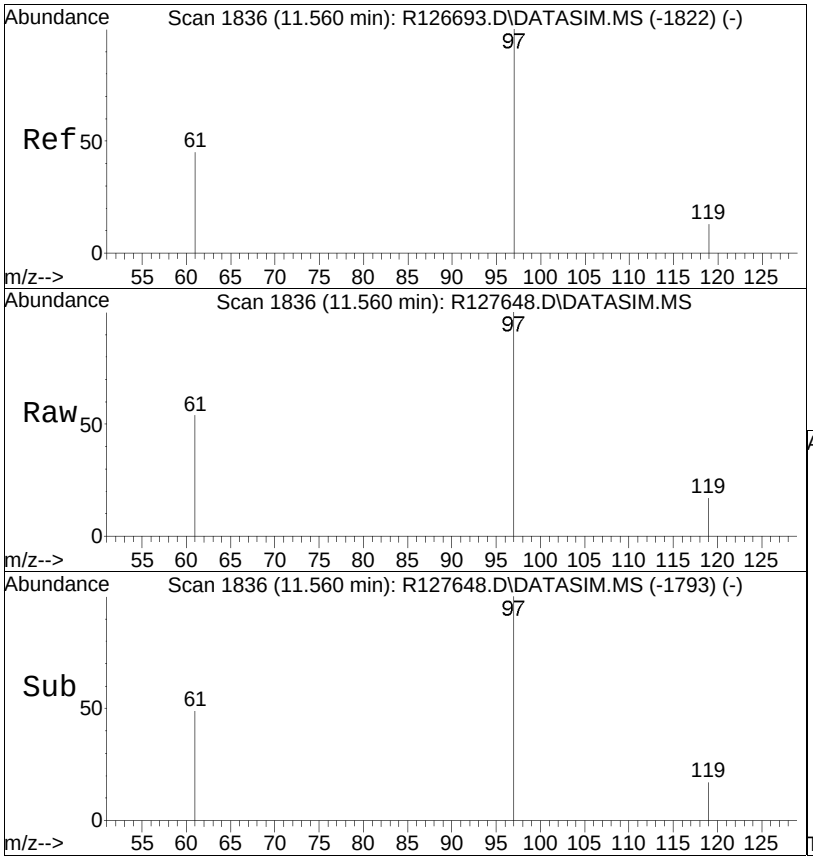


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 62 Resp: 384

Ion	Ratio	Lower	Upper
62	100		
64	50.2	25.0	37.6#
49	56.6	31.2	46.8#
63	40.2	13.3	19.9#

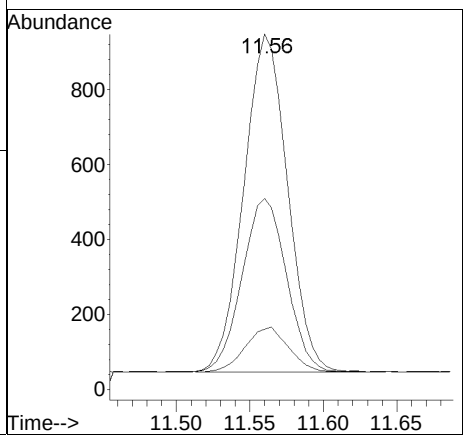


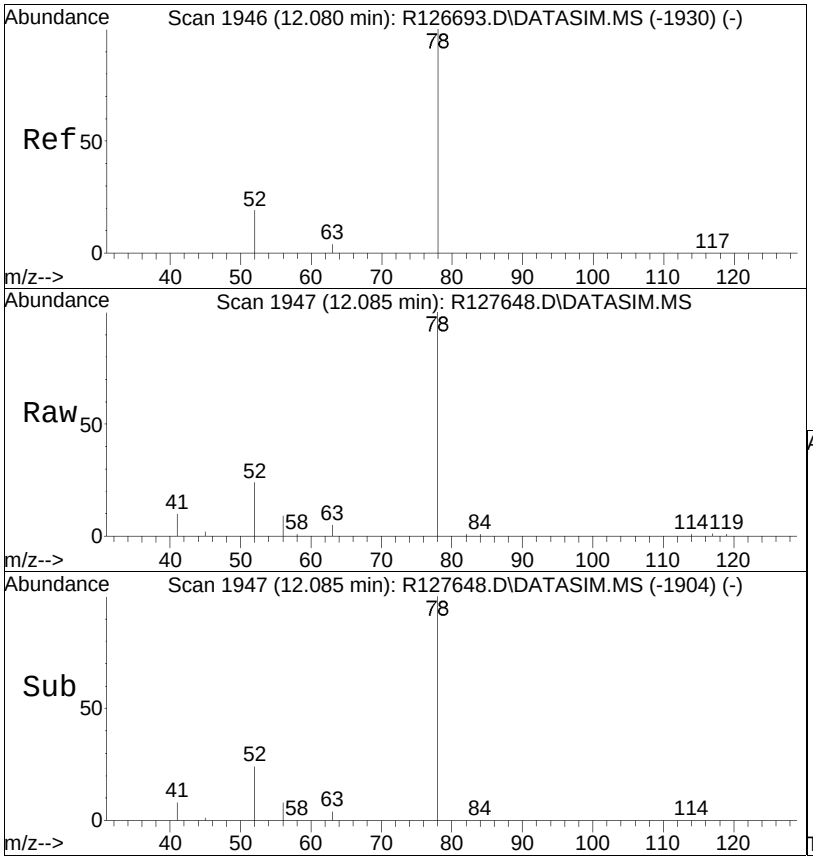


#35
1,1,1-trichloroethane
Concen: 0.06 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 97 Resp: 1864

Ion	Ratio	Lower	Upper
97	100		
61	53.8	38.6	58.0
119	17.0	11.0	16.6#

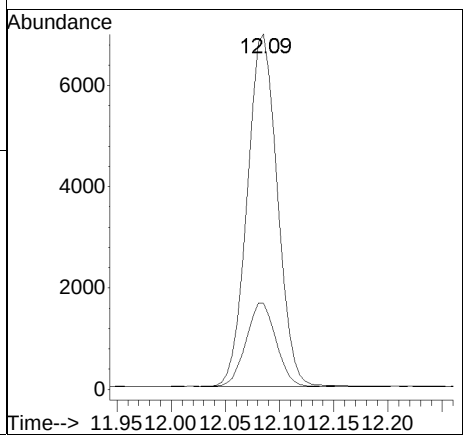


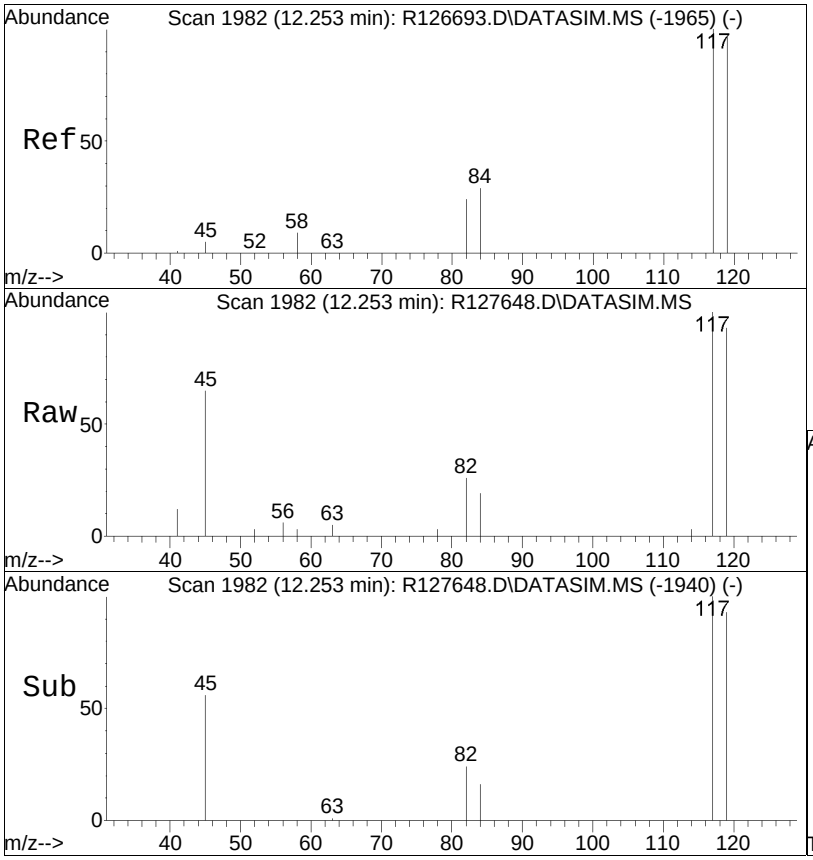


#36
benzene
Concen: 0.32 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 78 Resp: 13442

Ion	Ratio	Lower	Upper
78	100		
52	24.3	18.5	27.7

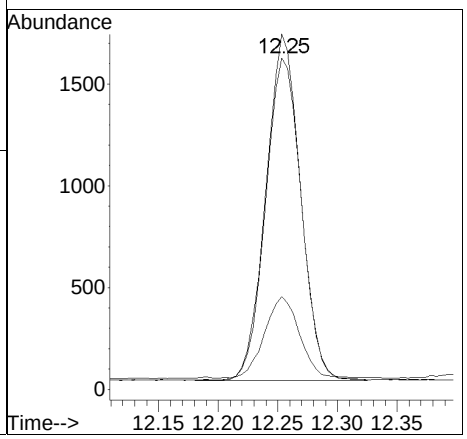


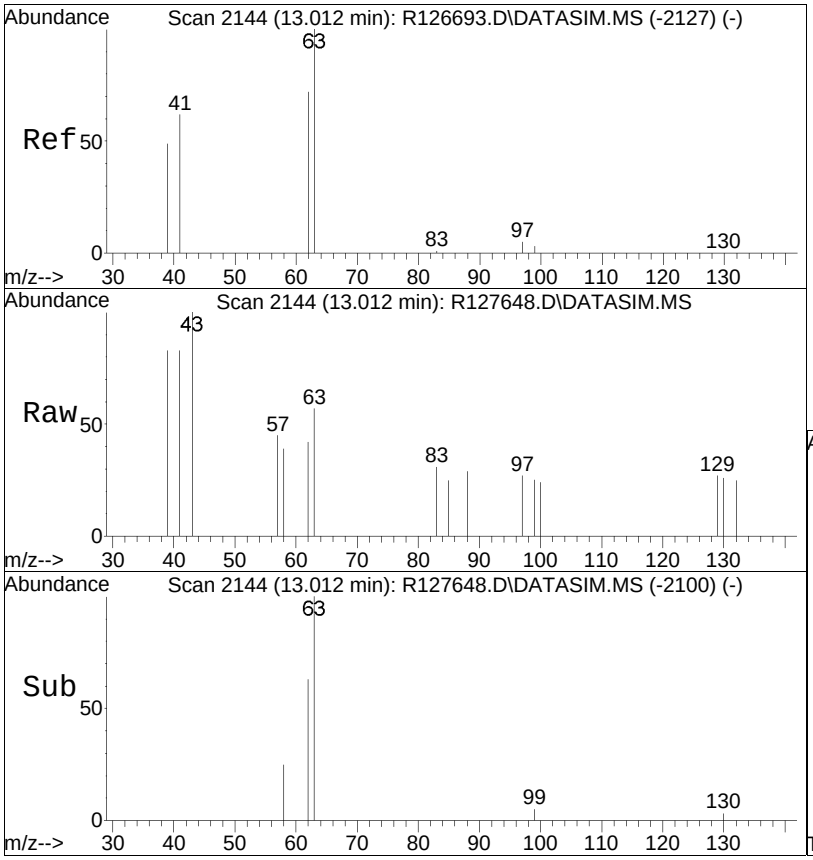


#37
carbon tetrachloride
Concen: 0.11 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:117 Resp: 3431

Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.4	116.0
82	26.2	18.2	27.2

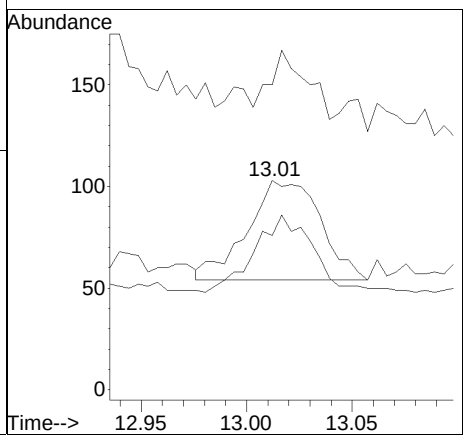


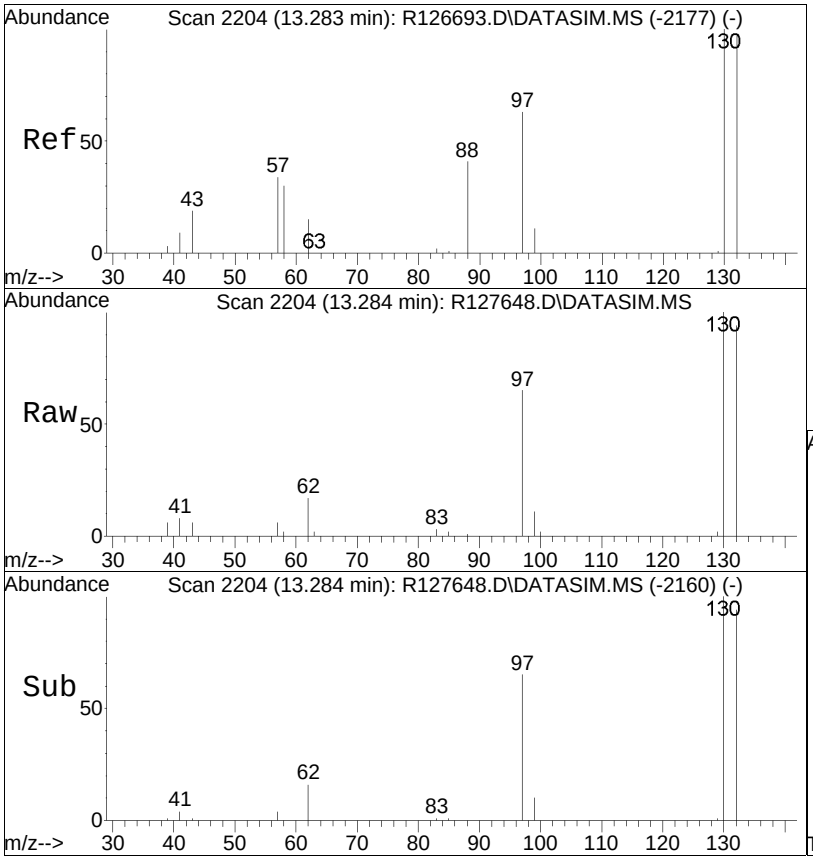


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.01 min Scan# 2144
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 63 Resp: 118

Ion	Ratio	Lower	Upper
63	100		
62	73.8	59.4	89.2
39	145.6	35.9	53.9#

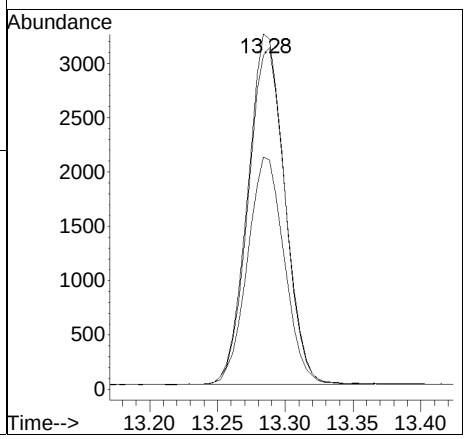


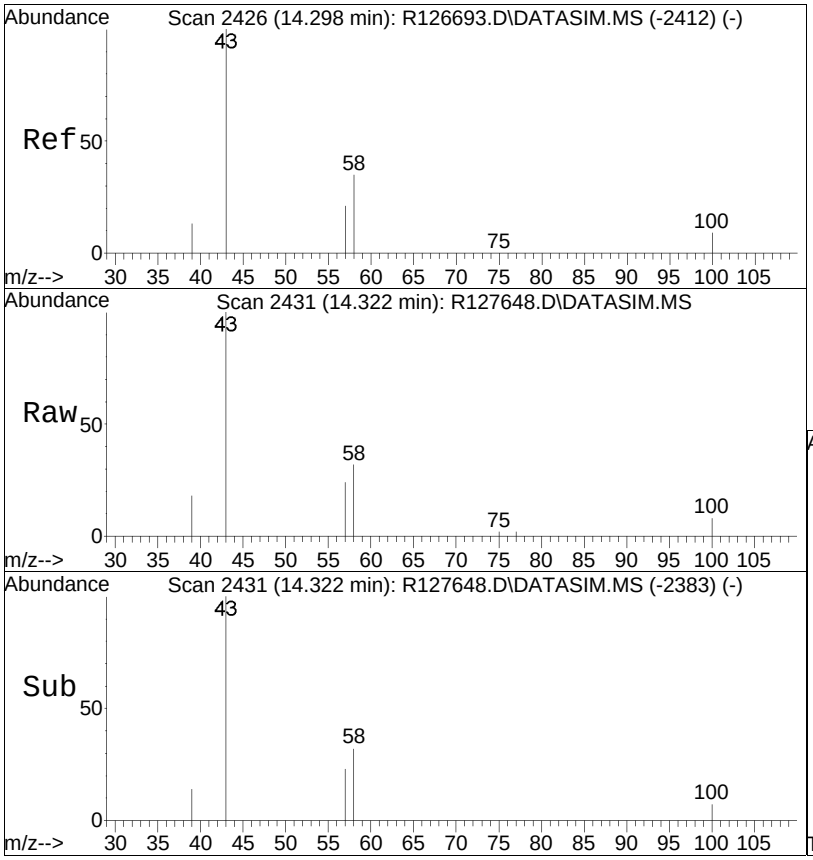


#42
trichloroethene
Concen: 0.29 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:130 Resp: 6110

Ion	Ratio	Lower	Upper
130	100		
132	94.0	77.3	115.9
97	65.4	50.6	75.8

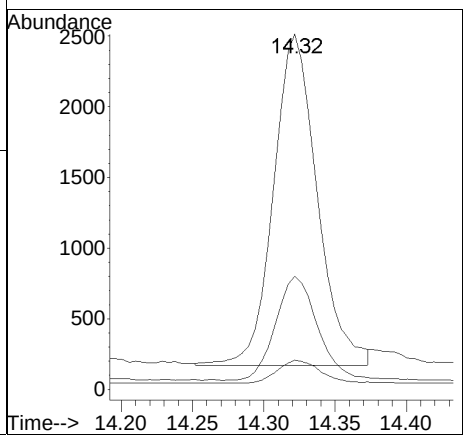


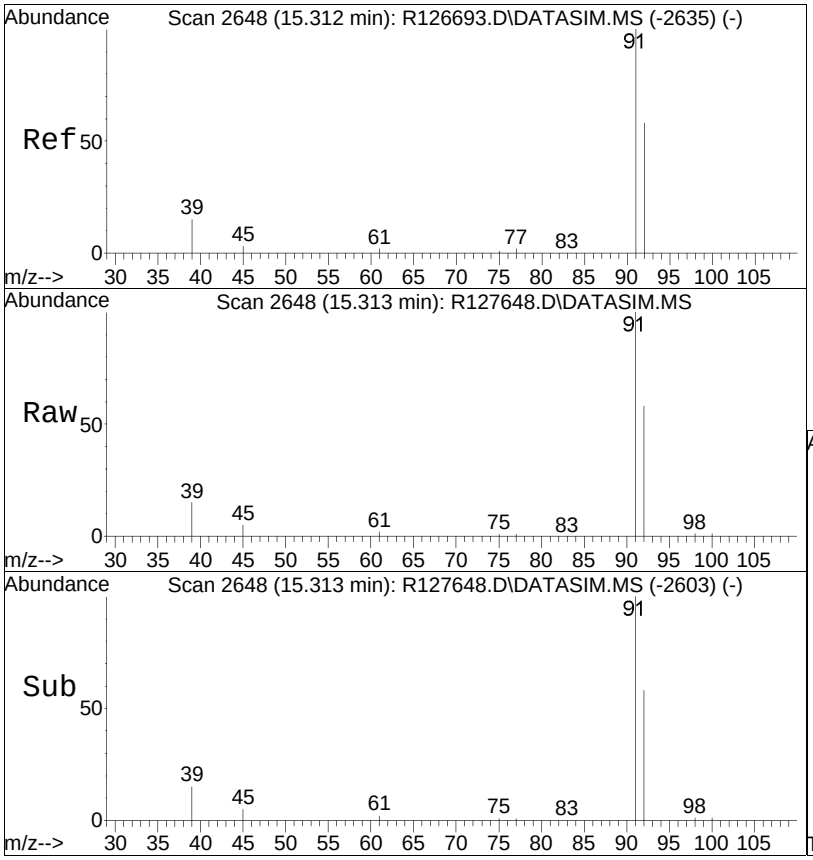


#46
4-methyl-2-pentanone
Concen: 0.10 ppbV m
RT: 14.32 min Scan# 2431
Delta R.T. 0.023 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 43 Resp: 4982

Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0
100	8.3	5.8	8.6

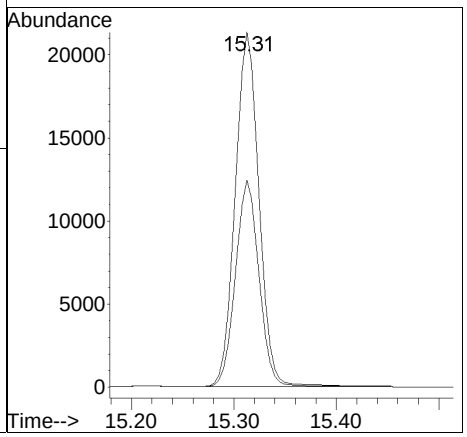


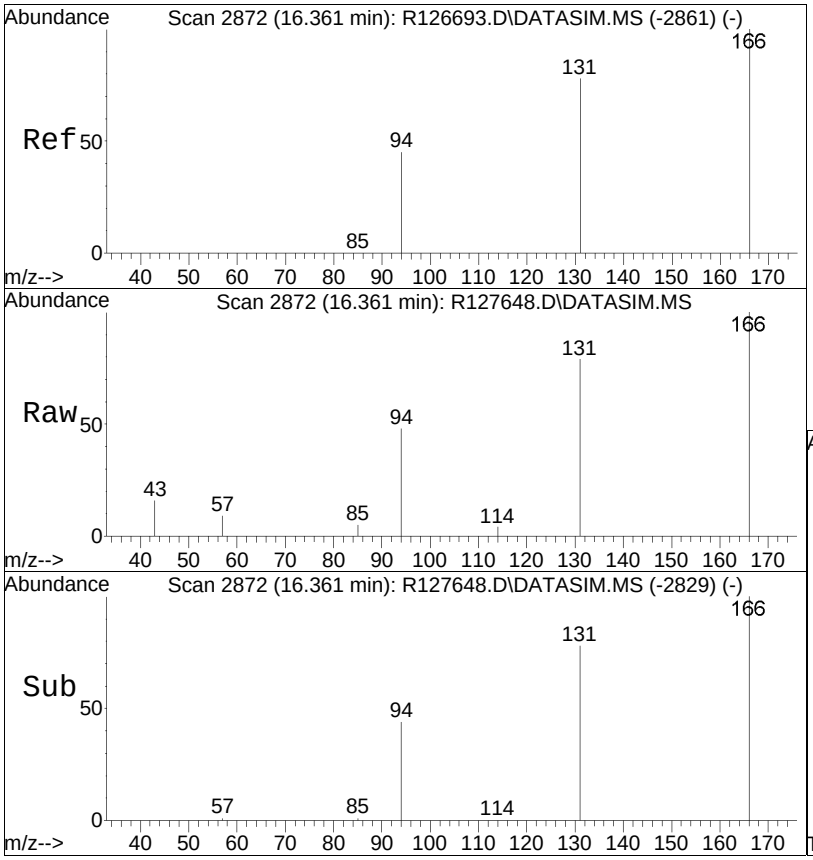


#50
toluene
Concen: 0.62 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 91 Resp: 34247

Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.4	69.6

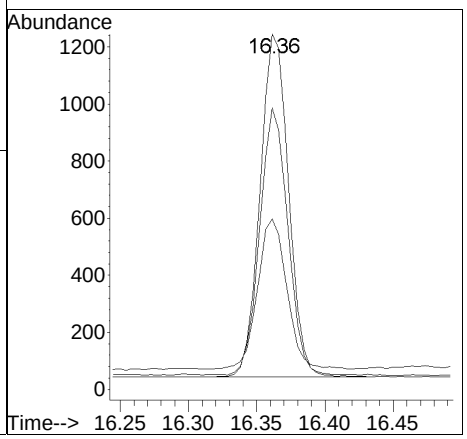


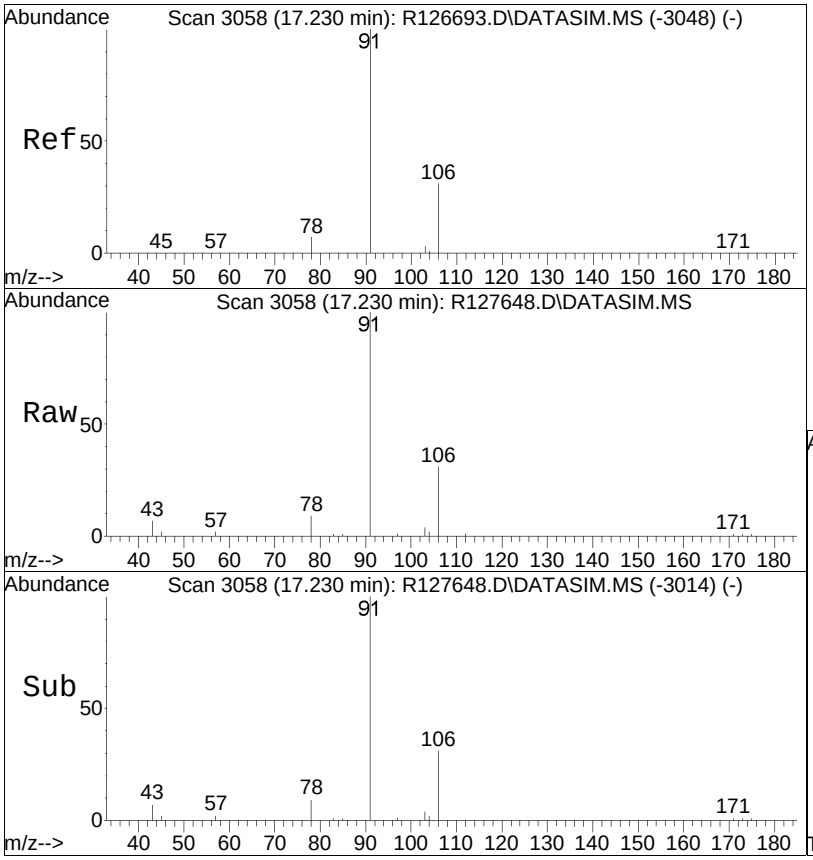


#55
tetrachloroethene
Concen: 0.06 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:166 Resp: 1744

Ion	Ratio	Lower	Upper
166	100		
131	79.2	60.6	90.8
94	48.0	32.2	48.2

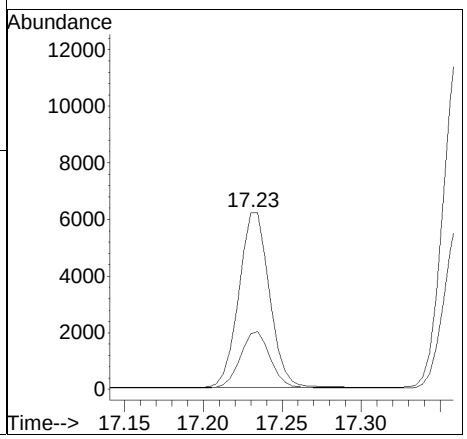


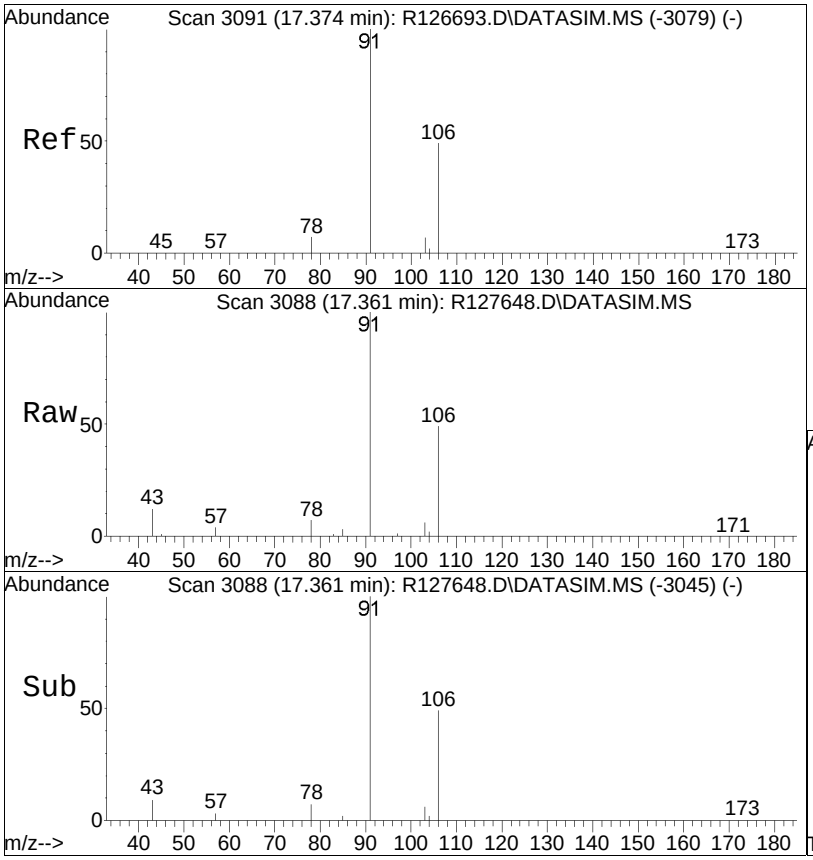


#58
ethylbenzene
Concen: 0.12 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 91 Resp: 8313

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

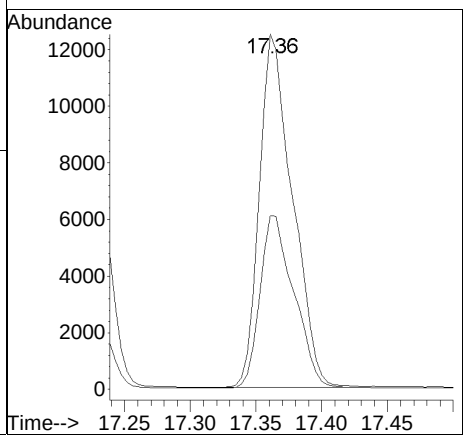


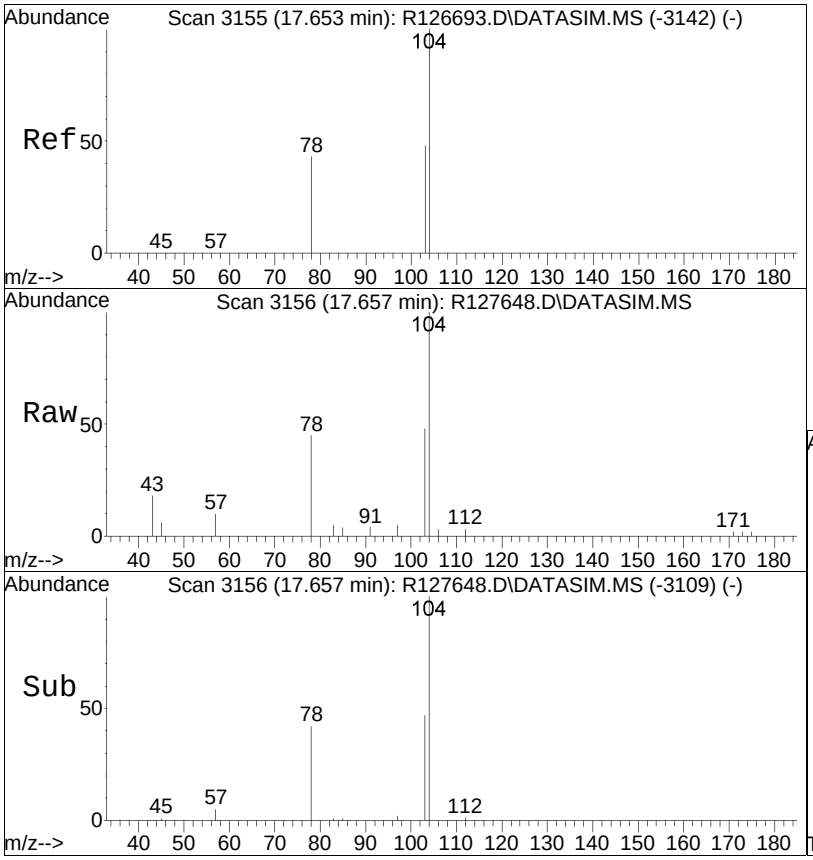


#59
m+p-xylene
Concen: 0.40 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 91 Resp: 21821

Ion	Ratio	Lower	Upper
91	100		
106	48.9	40.0	60.0

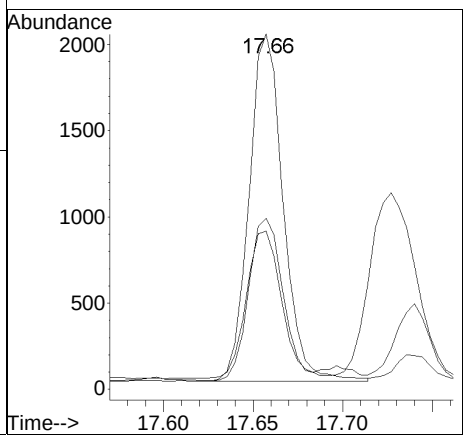


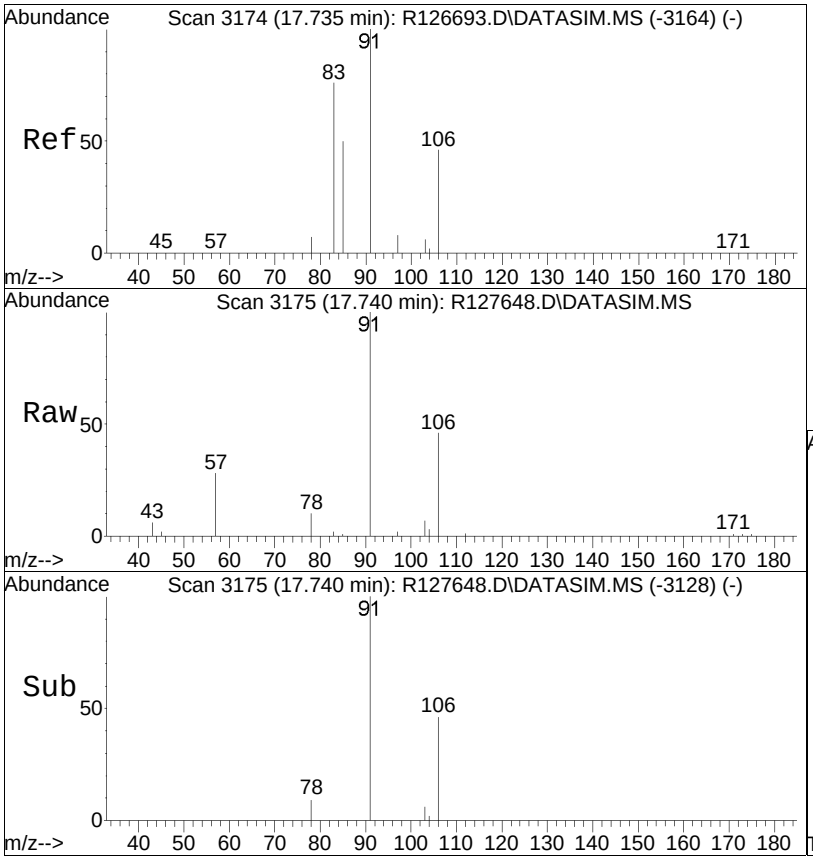


#61
styrene
Concen: 0.06 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:104 Resp: 2660

Ion	Ratio	Lower	Upper
104	100		
103	48.2	38.3	57.5
78	44.6	35.0	52.6

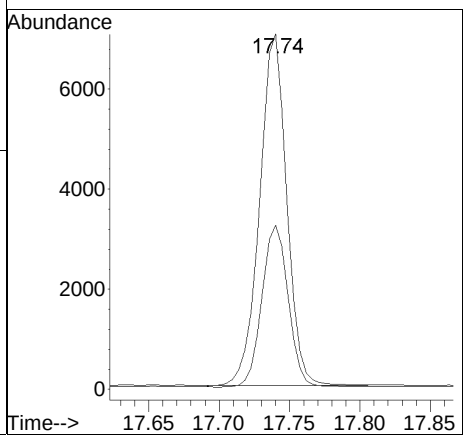


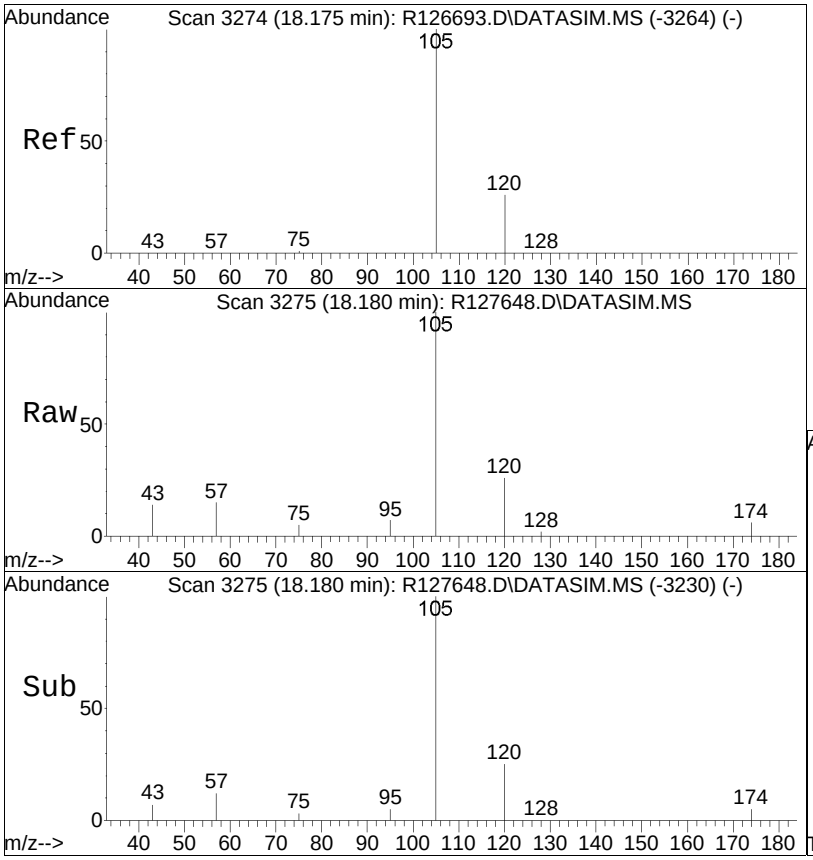


#63
o-xylene
Concen: 0.16 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion: 91 Resp: 9429

Ion	Ratio	Lower	Upper
91	100		
106	46.2	37.1	55.7

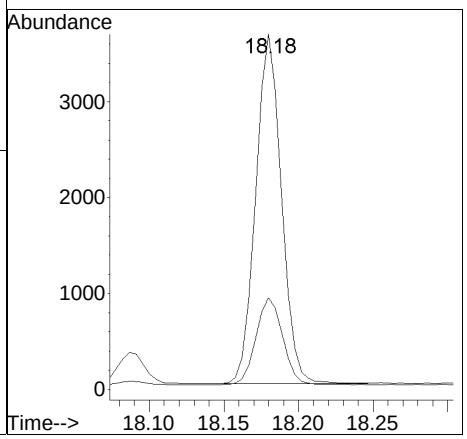


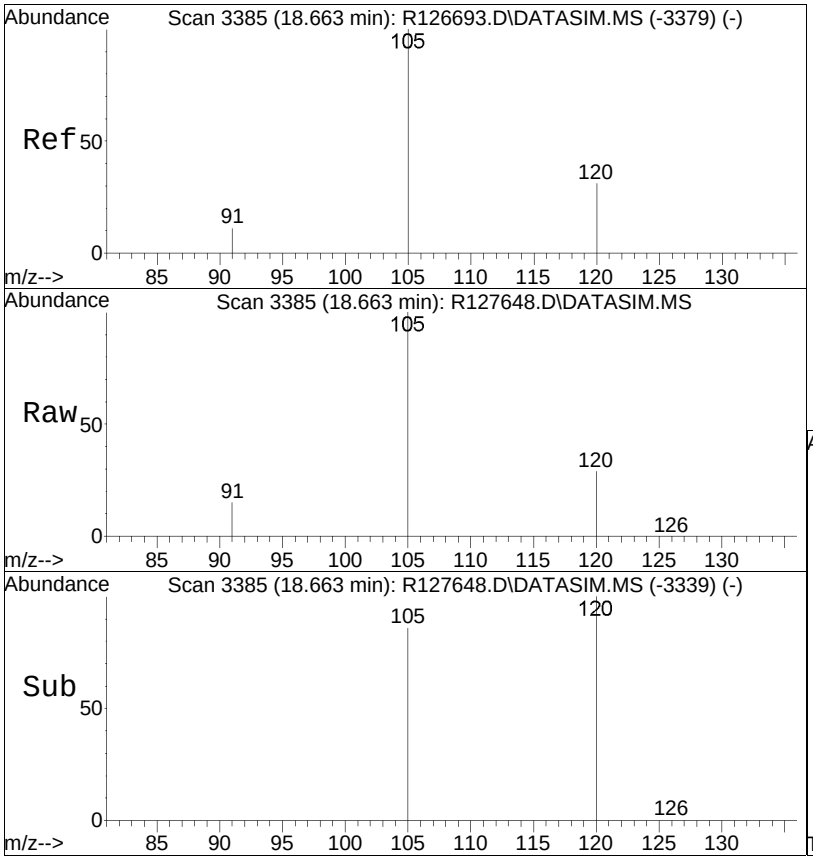


#65
isopropylbenzene
Concen: 0.05 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. 0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:105 Resp: 4375

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1

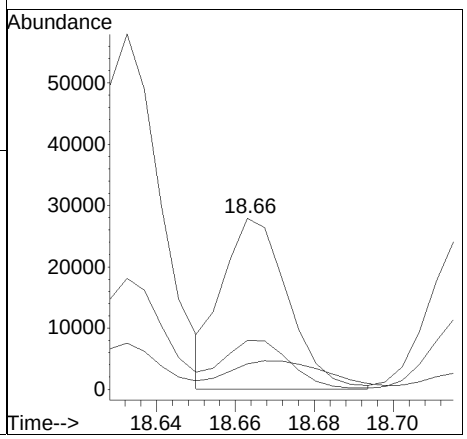


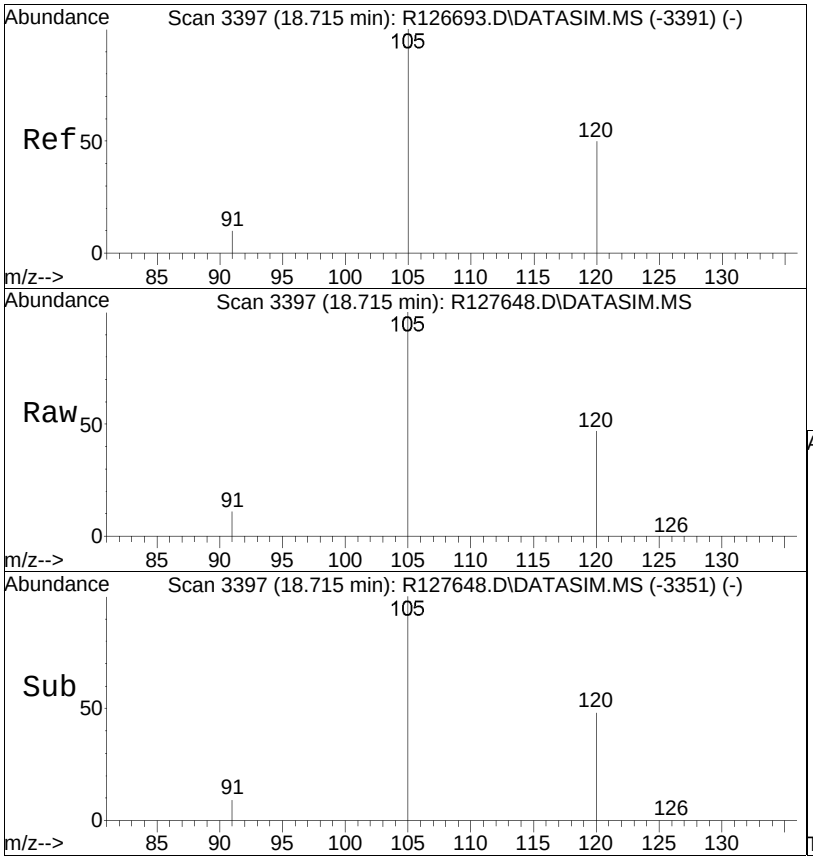


#66
4-ethyl toluene
Concen: 0.39 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:105 Resp: 32027

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.7	35.5
91	15.0	8.5	12.7#

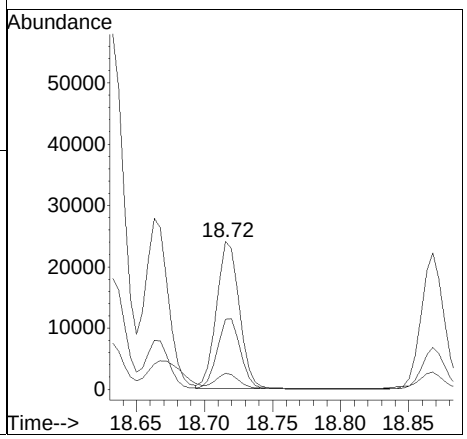


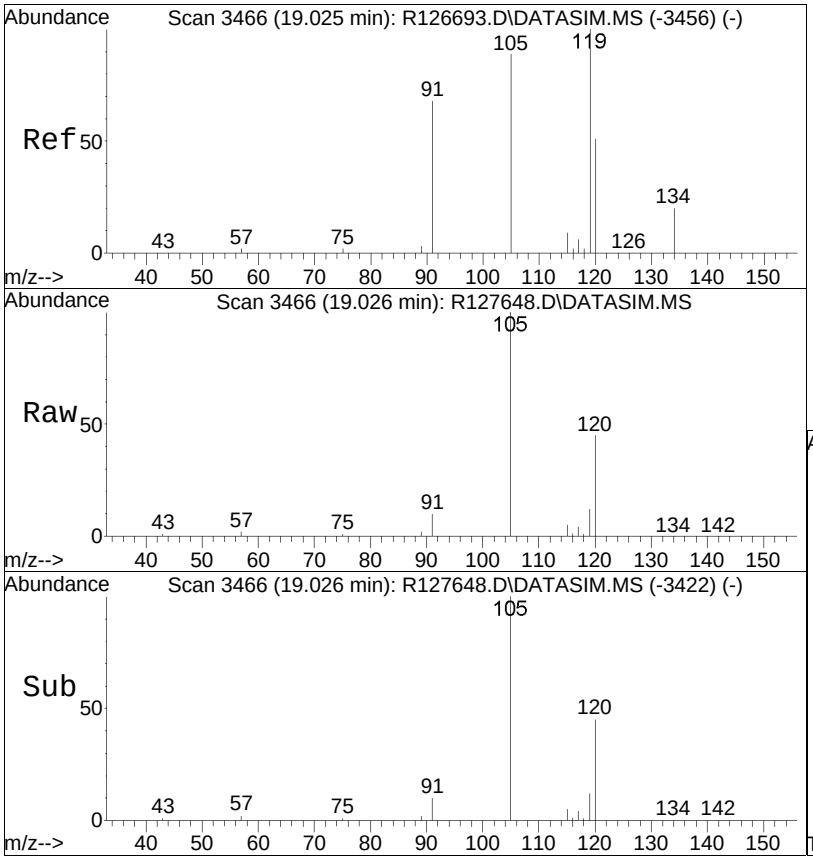


#67
1,3,5-trimethylbenzene
Concen: 0.41 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:105 Resp: 28296

Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.0	58.4
91	10.9	8.0	12.0

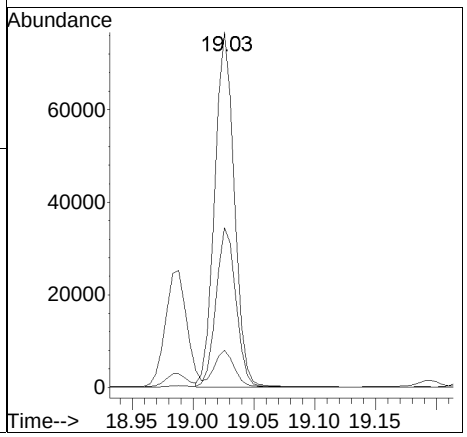


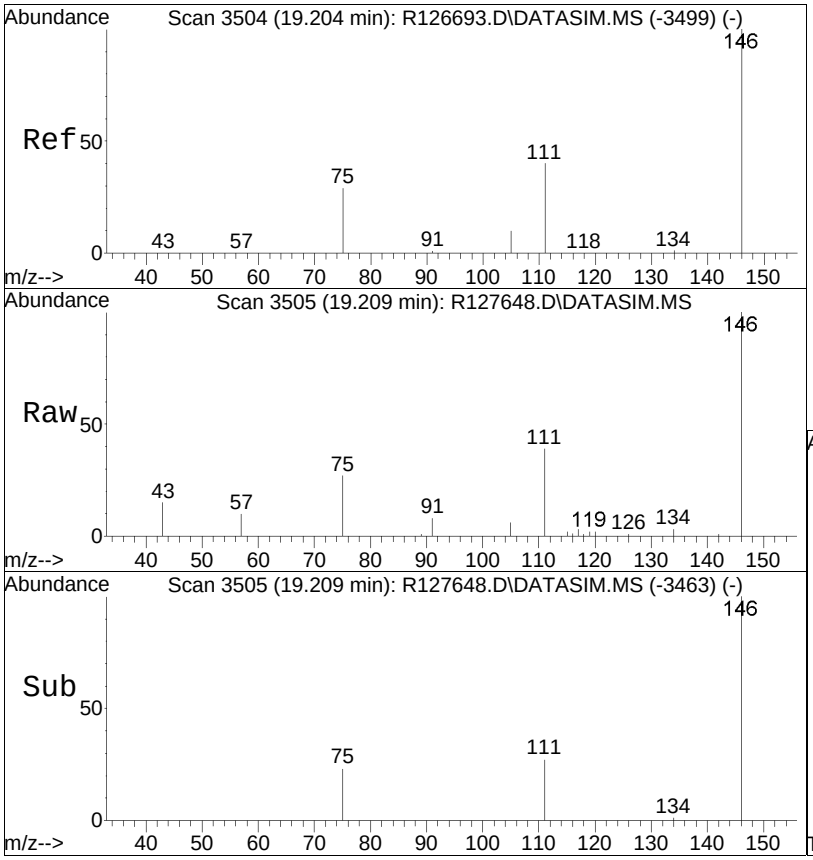


#69
1,2,4-trimethylbenzene
Concen: 1.26 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:105 Resp: 86004

Ion	Ratio	Lower	Upper
105	100		
120	44.9	44.9	67.3
91	10.5	58.6	88.0#

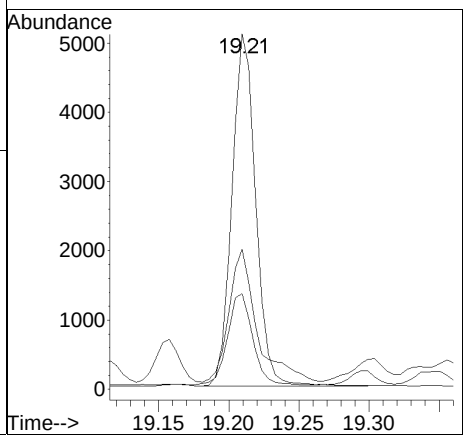


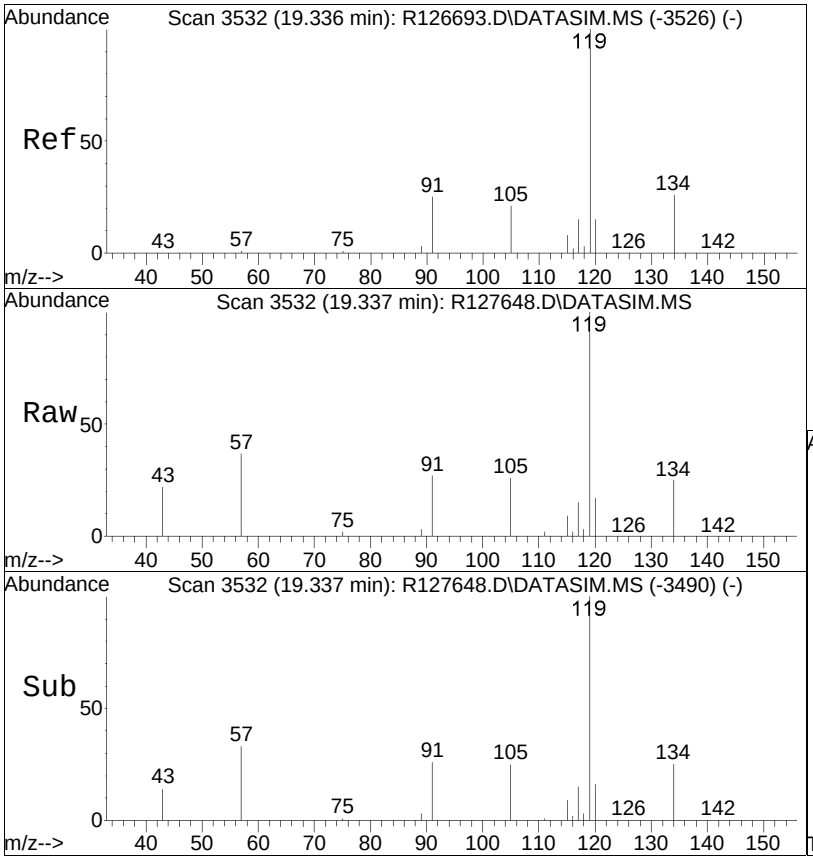


#72
1,4-dichlorobenzene
Concen: 0.11 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. -0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:146 Resp: 5964

Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.4	39.6
75	26.9	18.0	27.0

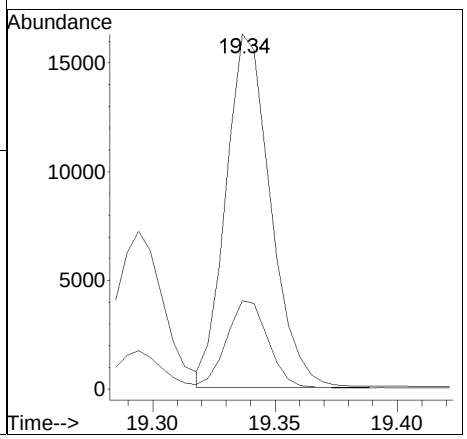


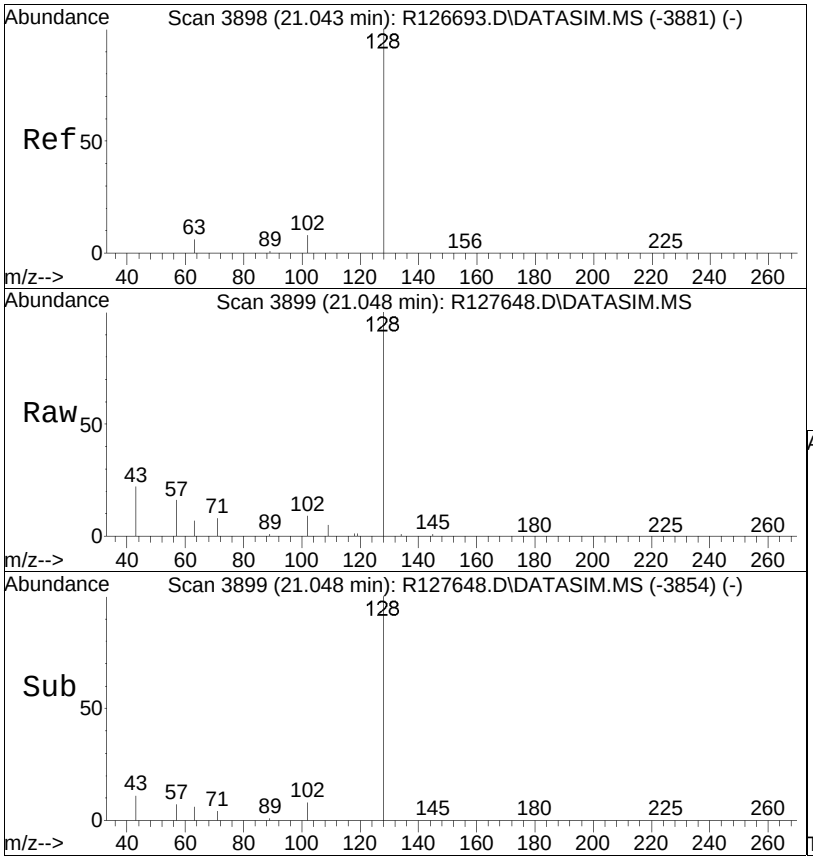


#74
p-isopropyltoluene
Concen: 0.22 ppbV m
RT: 19.34 min Scan# 3532
Delta R.T. -0.000 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:119 Resp: 20682

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6

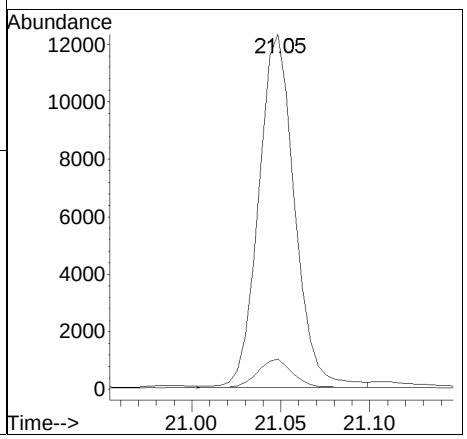




#78
naphthalene
Concen: 0.17 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127648.D
Acq: 12 Apr 2013 8:53 pm

Tgt Ion:128 Resp: 17252

Ion	Ratio	Lower	Upper
128	100		
102	8.6	6.2	9.2

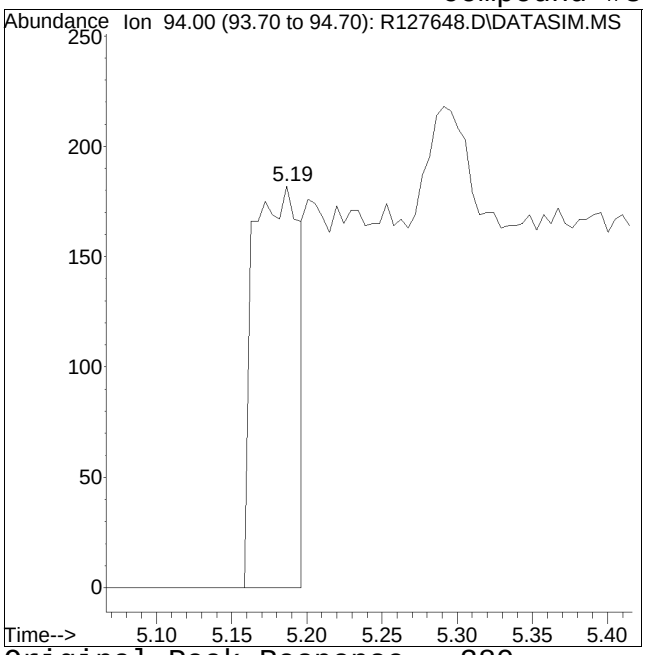


Manual Integration/Negative Proof Report

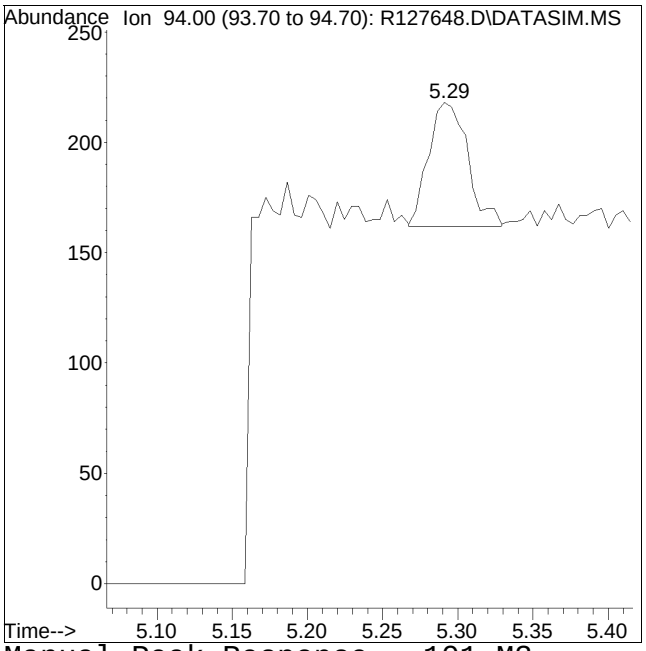
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #8: bromomethane



Original Peak Response = 380



Manual Peak Response = 101 M3

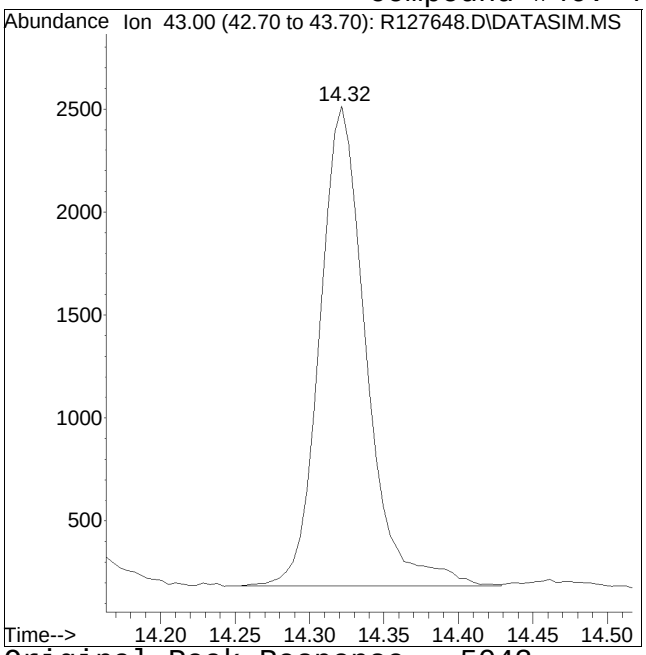
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

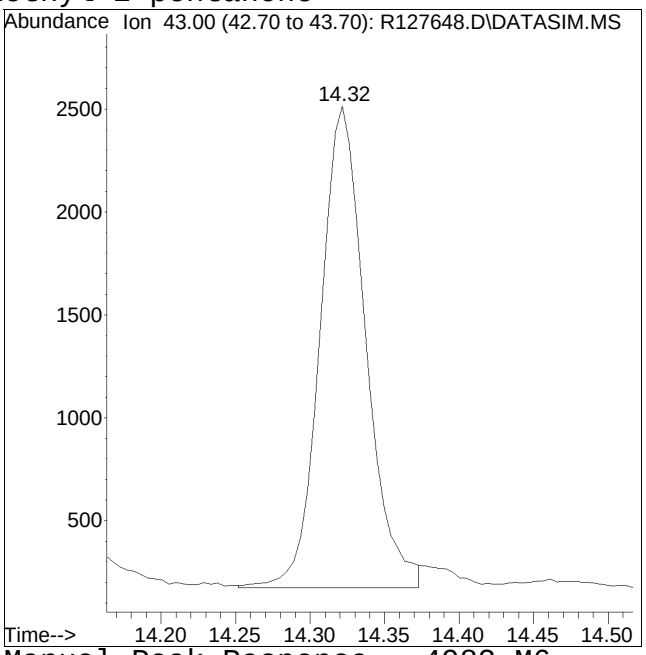
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 5043



Manual Peak Response = 4982 M6

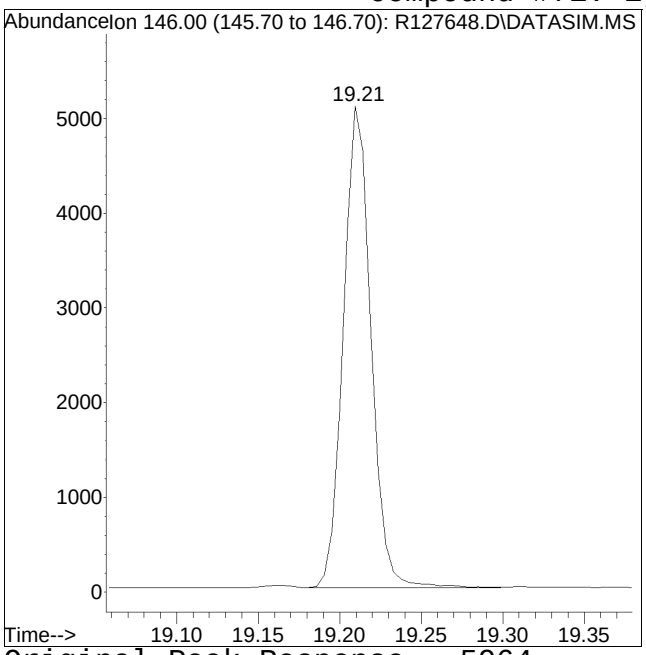
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

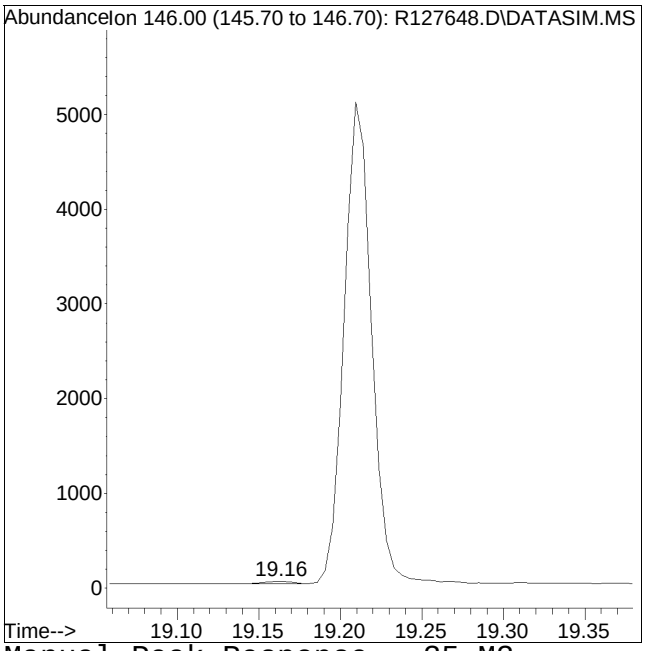
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #71: 1,3-dichlorobenzene





Original Peak Response = 5964 Manual Peak Response = 35 M3

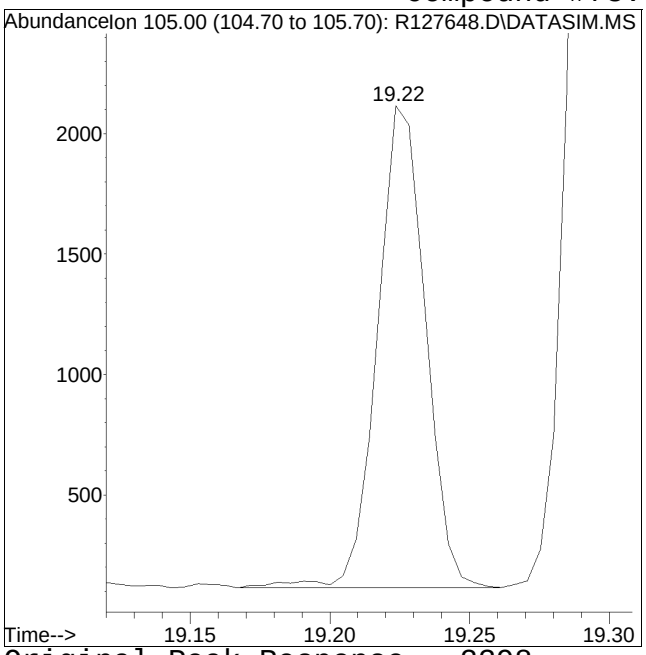
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

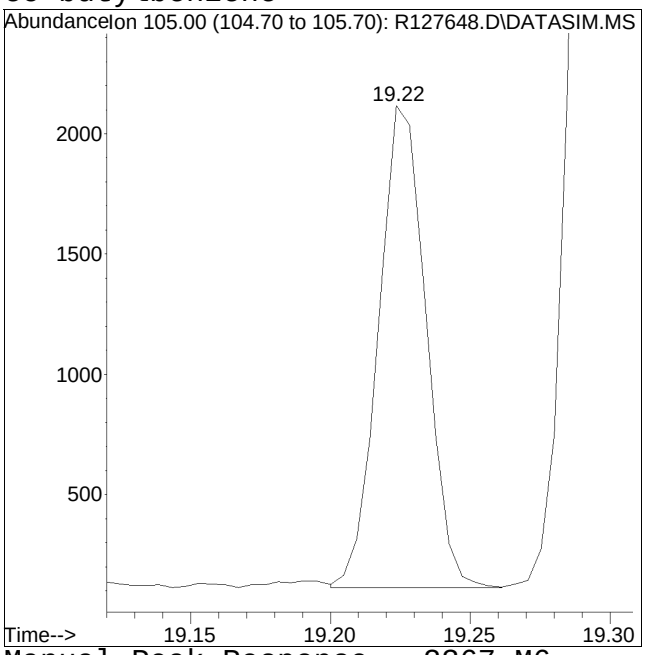
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #73: sec-butylbenzene



Original Peak Response = 2398



Manual Peak Response = 2367 M6

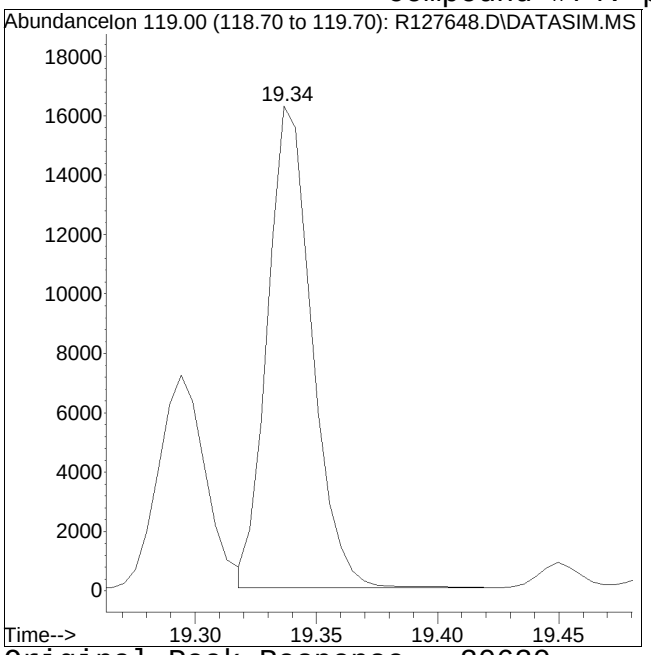
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

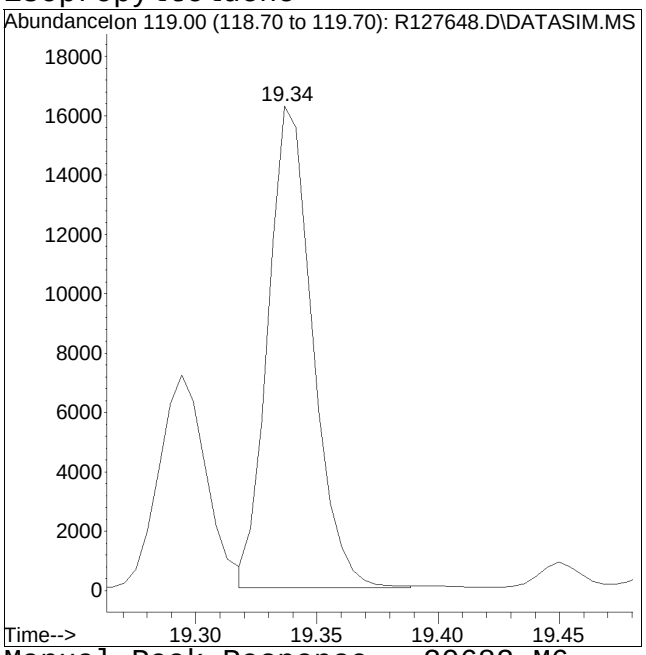
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #74: p-isopropyltoluene



Original Peak Response = 20630



Manual Peak Response = 20682 M6

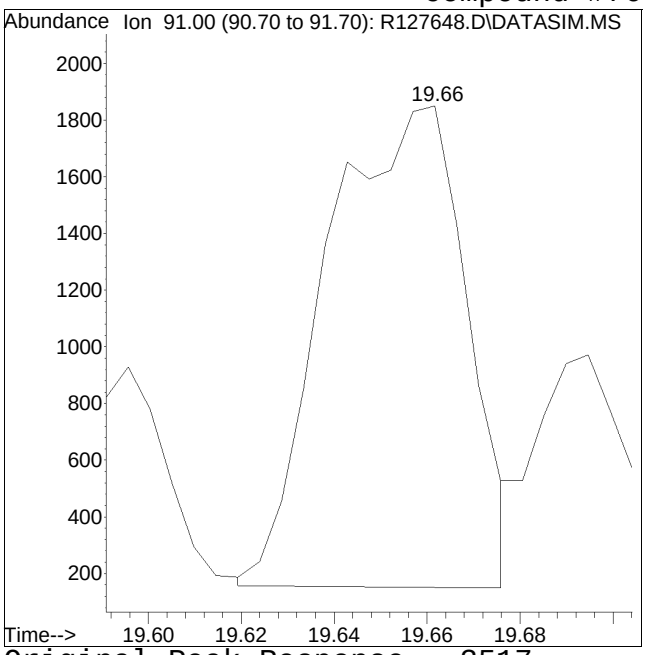
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

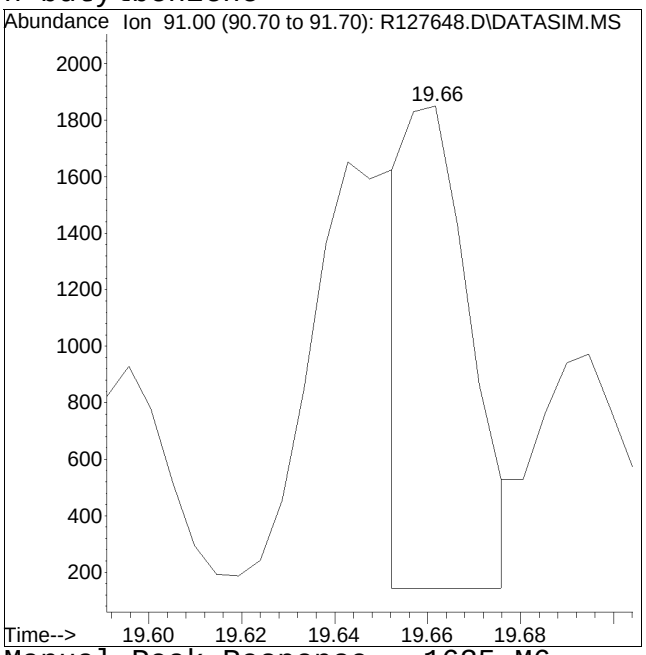
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #76: n-butylbenzene



Original Peak Response = 3517



Manual Peak Response = 1635 M6

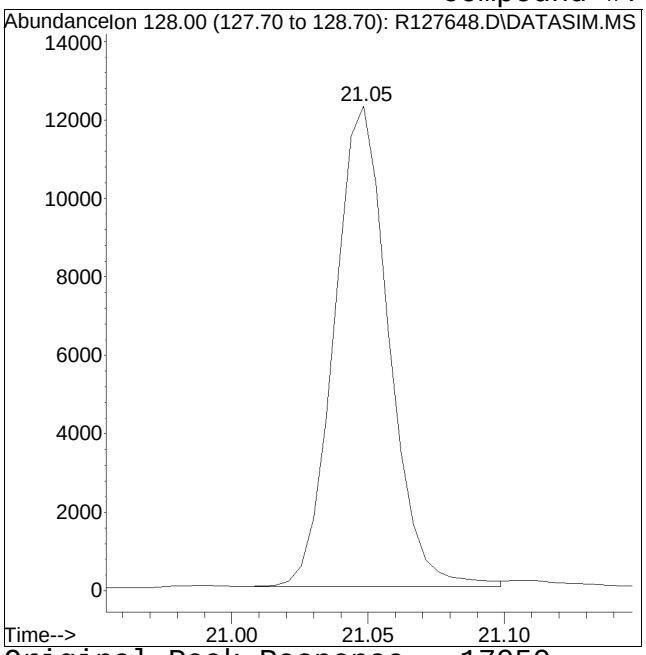
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

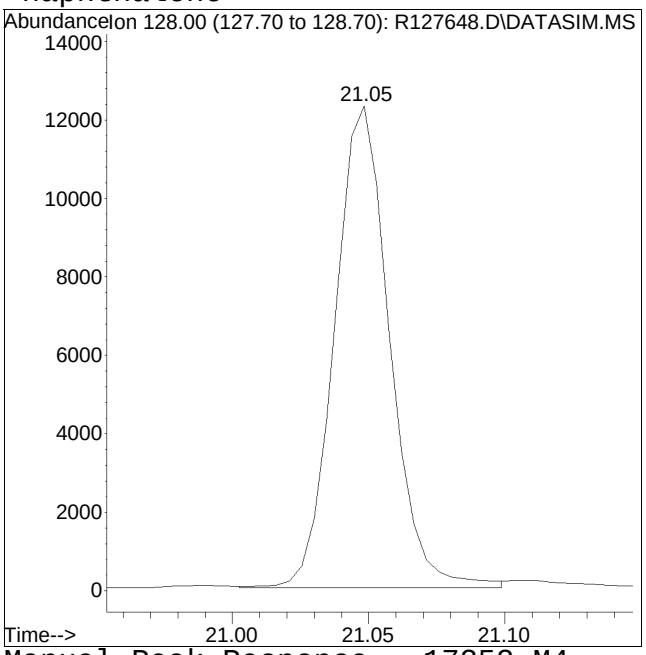
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127648.D
Date Inj'd : 4/12/2013 8:53 pm
Sample : L1306330-13,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 9:20 pm

Compound #78: naphthalene



Original Peak Response = 17050



Manual Peak Response = 17252 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127649.D
Acq On : 12 Apr 2013 9:25 pm
Operator : AIRPIANO1:MB
Sample : L1306330-14,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 09:45:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	233822	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 86.98%			
32) 1,4-difluorobenzene	12.49	114	536432	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.05%			
49) chlorobenzene-D5	16.90	54	133567	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 100.64%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13304	0.439	ppbV	99
4) chloromethane	4.40	50	9702	0.609	ppbV	99
5) Freon-114	4.55	85	486	0.015	ppbV #	88
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	1809	0.168	ppbV	86
8) bromomethane	5.30	94	104M3	0.009	ppbV	
9) chloroethane	5.55	64	53	0.009	ppbV #	1
12) acetone	6.41	43	276193	10.917	ppbV #	98
13) trichlorofluoromethane	6.62	101	8272	0.228	ppbV	99
15) acrylonitrile	7.04	53	225M4	0.018	ppbV	
16) 1,1-dichloroethene	7.63		0	N.D.		
17) methylene chloride	7.64	49	40732	1.926	ppbV	96
20) Freon 113	7.99	101	1914	0.076	ppbV	96
22) trans-1,2-dichloroethene	8.82	61	155	0.007	ppbV #	64
23) 1,1-dichloroethane	9.07		0	N.D.		
24) MTBE	0.00		0	N.D.		
26) 2-butanone	9.58	43	53913	1.360	ppbV	97
27) cis-1,2-dichloroethene	10.07	61	255	0.012	ppbV #	79
29) chloroform	10.43	83	461	0.017	ppbV #	86
31) 1,2-dichloroethane	11.28	62	424	0.021	ppbV #	69
35) 1,1,1-trichloroethane	11.56	97	2103M4	0.073	ppbV	
36) benzene	12.08	78	19939	0.470	ppbV	100
37) carbon tetrachloride	12.25	117	3321	0.105	ppbV #	97
39) 1,2-dichloropropane	13.02	63	124	0.007	ppbV #	33
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	9719	0.469	ppbV	98
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.32	43	4563	0.095	ppbV	96
47) trans-1,3-dichloropropene	14.85		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127649.D
Acq On : 12 Apr 2013 9:25 pm
Operator : AIRPIANO1:MB
Sample : L1306330-14,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 09:45:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

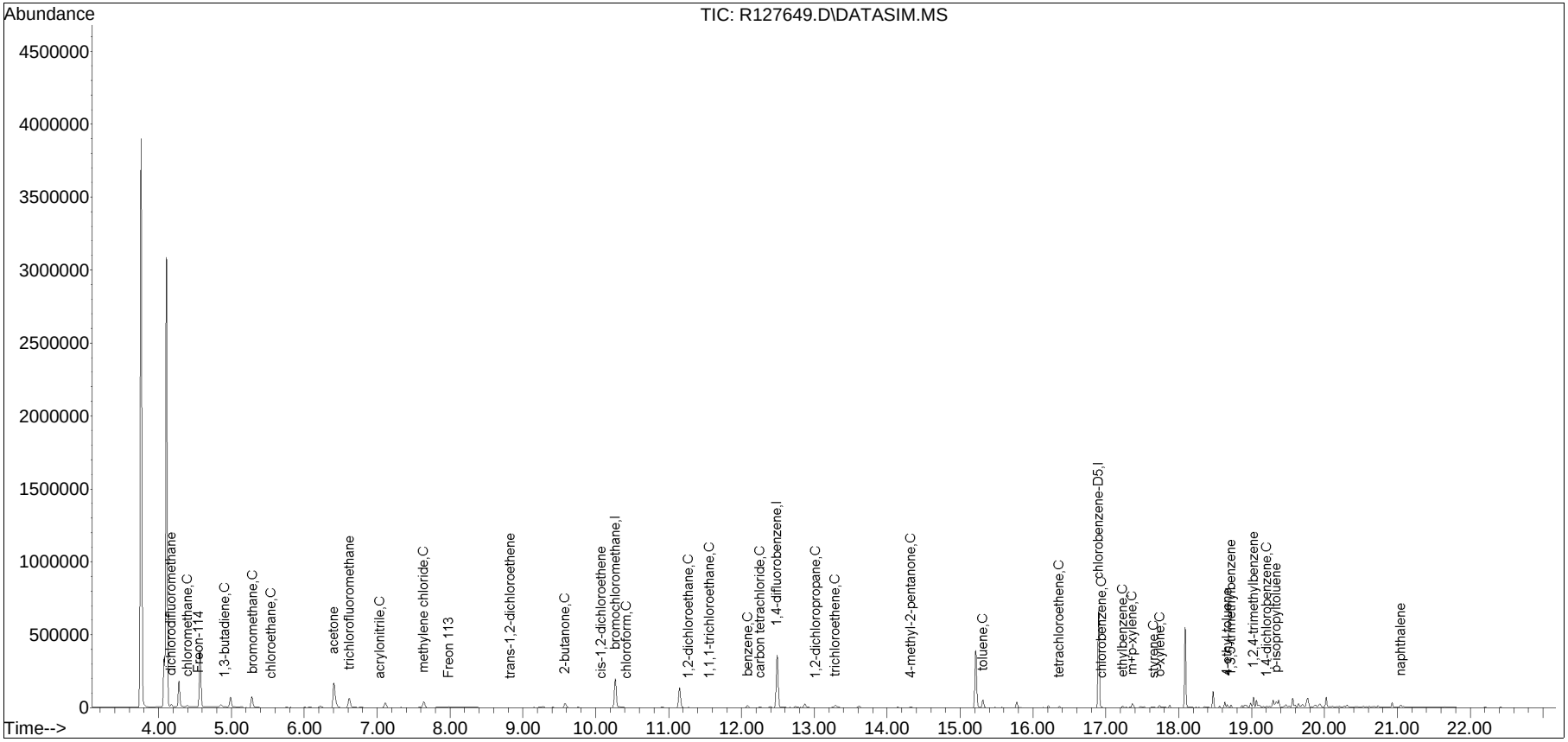
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	47874M4	0.884	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	5960	0.213	ppbV		95
56) 1,1,1,2-tetrachloroethane	16.93		0	N.D.			
57) chlorobenzene	16.94	112	416	0.009	ppbV		97
58) ethylbenzene	17.23	91	9562	0.138	ppbV		99
59) m+p-xylene	17.36	91	25169	0.467	ppbV		99
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	2656	0.064	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.			
63) o-xylene	17.74	91	10994	0.196	ppbV		97
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	15804	0.194	ppbV	#	94
67) 1,3,5-trimethylbenzene	18.72	105	14115	0.211	ppbV		97
69) 1,2,4-trimethylbenzene	19.03	105	44225	0.659	ppbV	#	51
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21	146	6591	0.128	ppbV	#	91
73) sec-butylbenzene	19.23		0	N.D.			
74) p-isopropyltoluene	19.34	119	19033	0.206	ppbV		99
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.92		0	N.D.			
78) naphthalene	21.05	128	20398M4	0.208	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

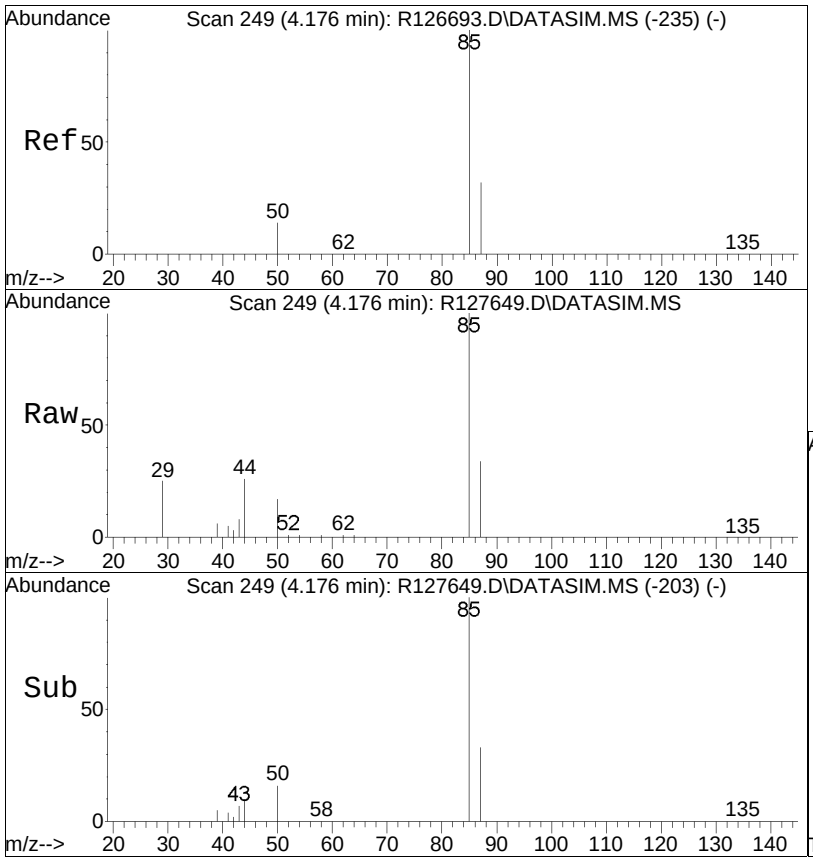
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127649.D
Acq On : 12 Apr 2013 9:25 pm
Operator : AIRPIANO1:MB
Sample : L1306330-14,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 09:45:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

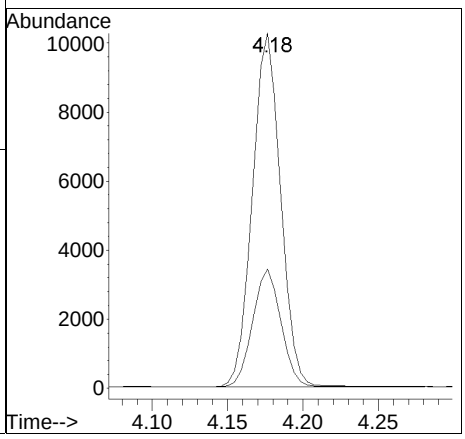


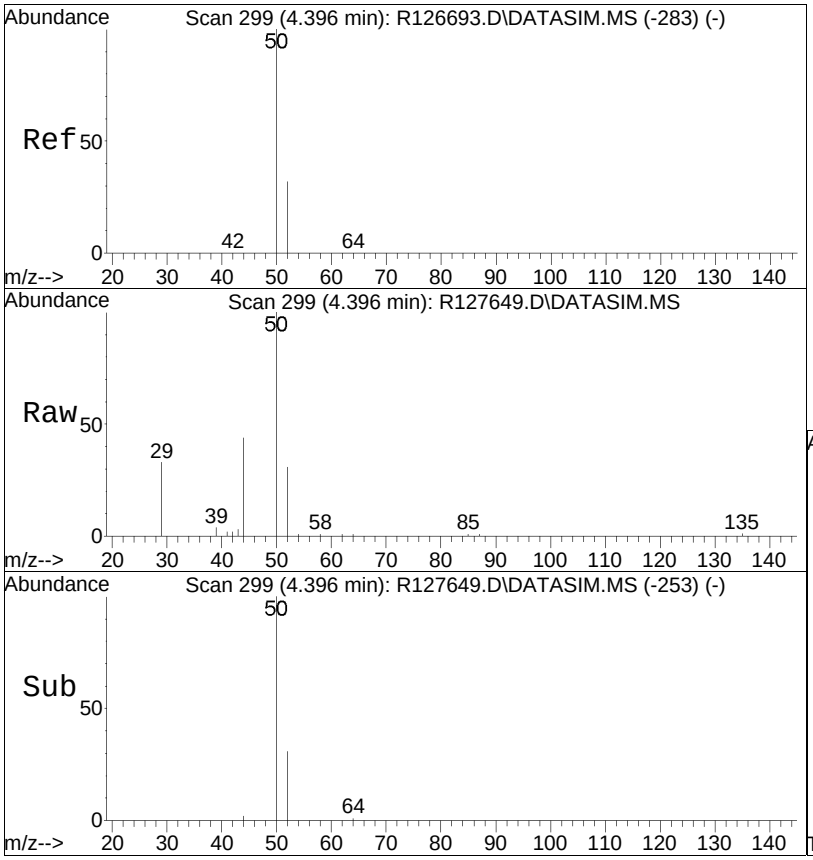


#3
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 85 Resp: 13304

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.6	40.0

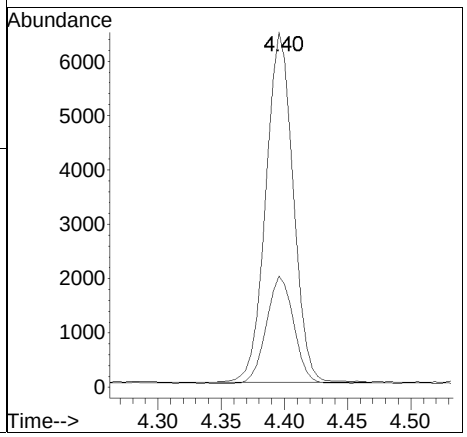


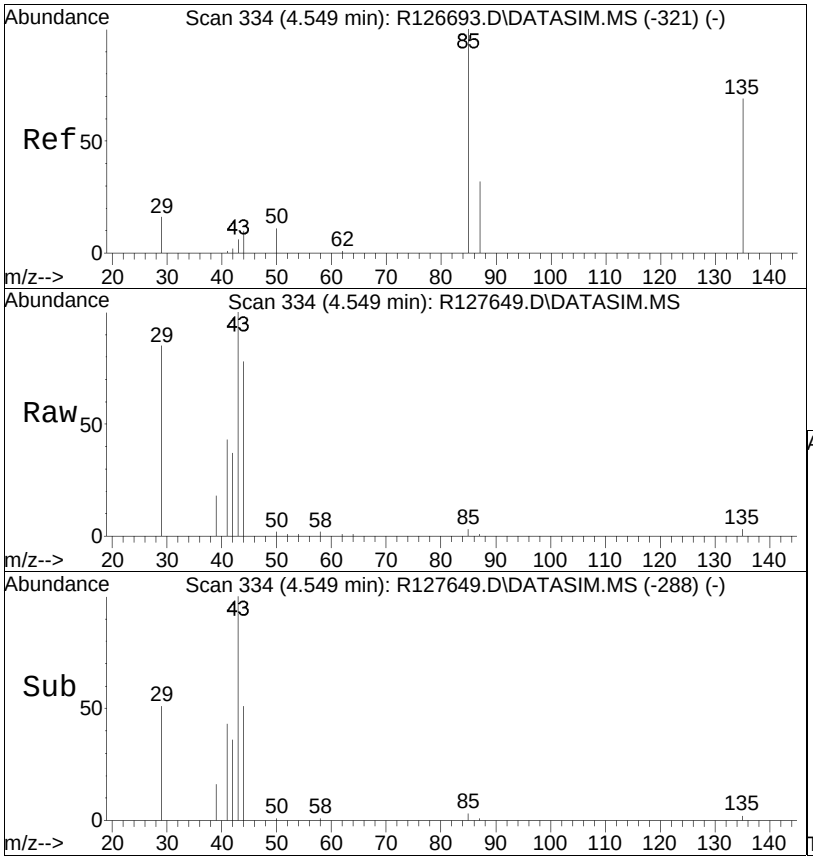


#4
chloromethane
Concen: 0.61 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 50 Resp: 9702

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.3	37.9

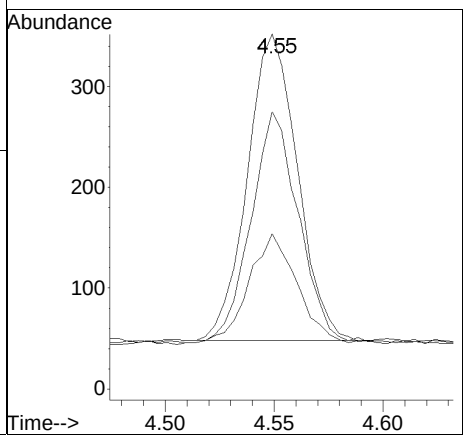


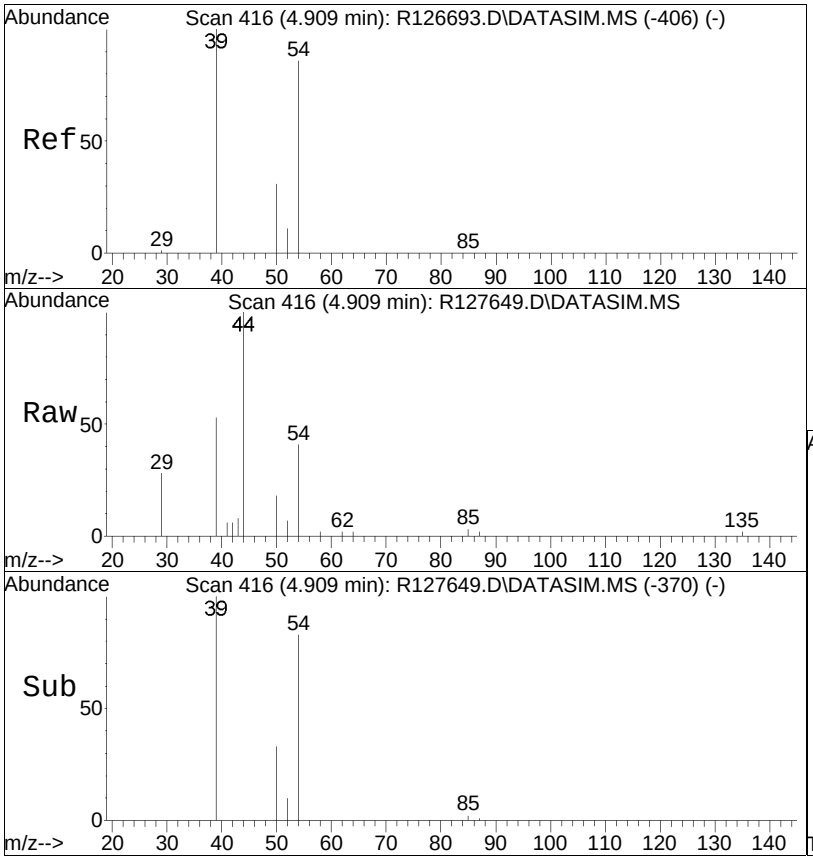


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 85 Resp: 486

Ion	Ratio	Lower	Upper
85	100		
87	43.8	26.5	39.7#
135	78.1	56.9	85.3

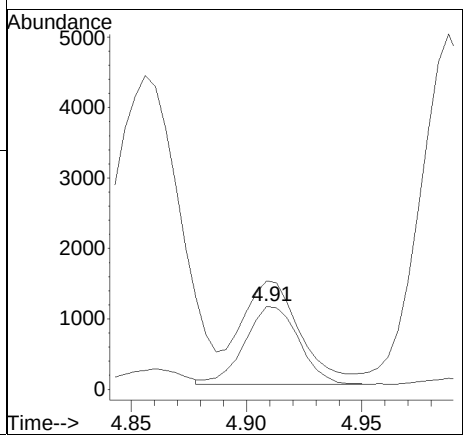


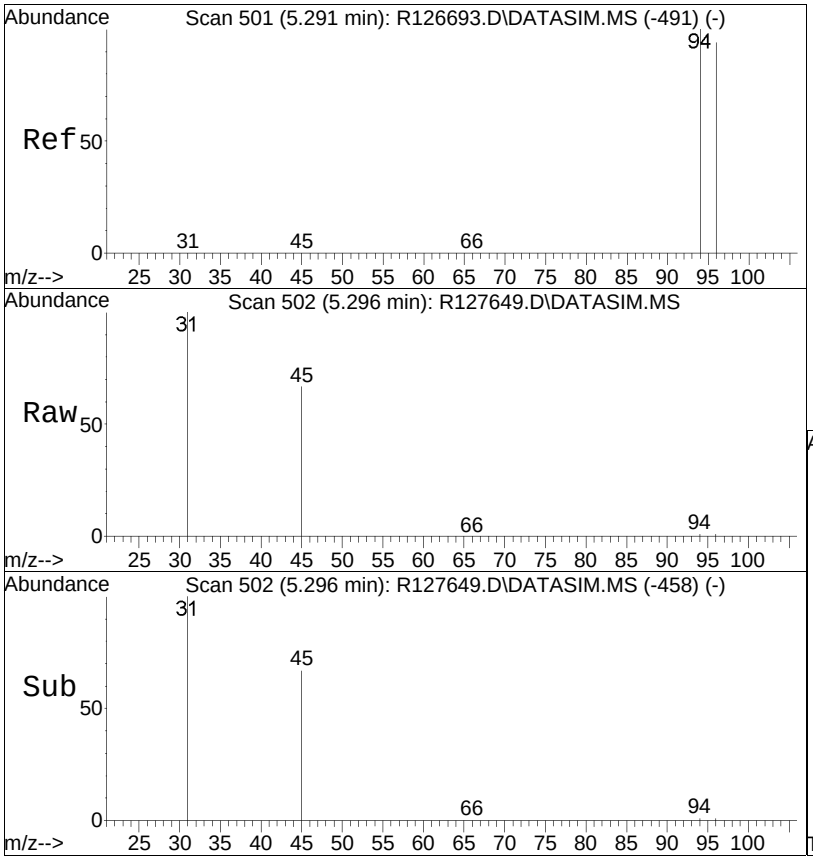


#7
1,3-butadiene
Concen: 0.17 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 54 Resp: 1809

Ion	Ratio	Lower	Upper
54	100		
39	130.8	92.4	138.6

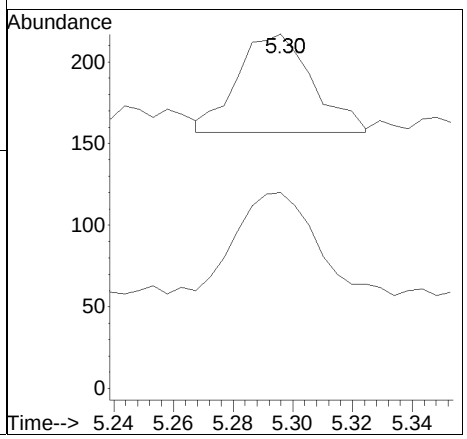


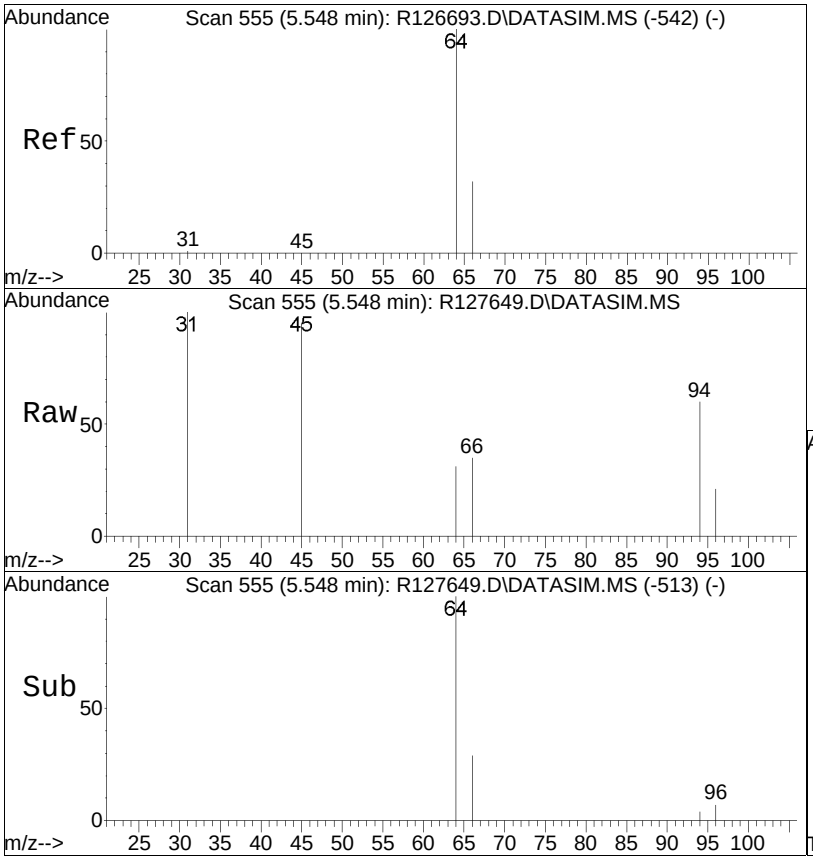


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 94 Resp: 104

Ion	Ratio	Lower	Upper
94	100		
96	55.3	76.9	115.3#

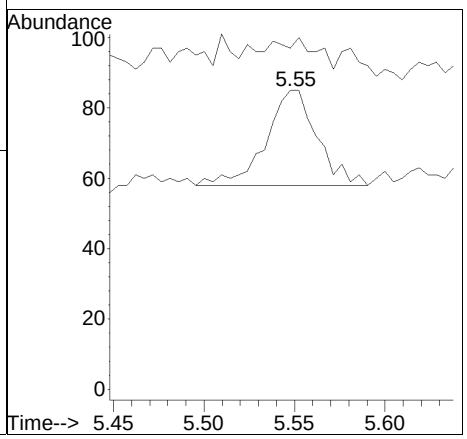


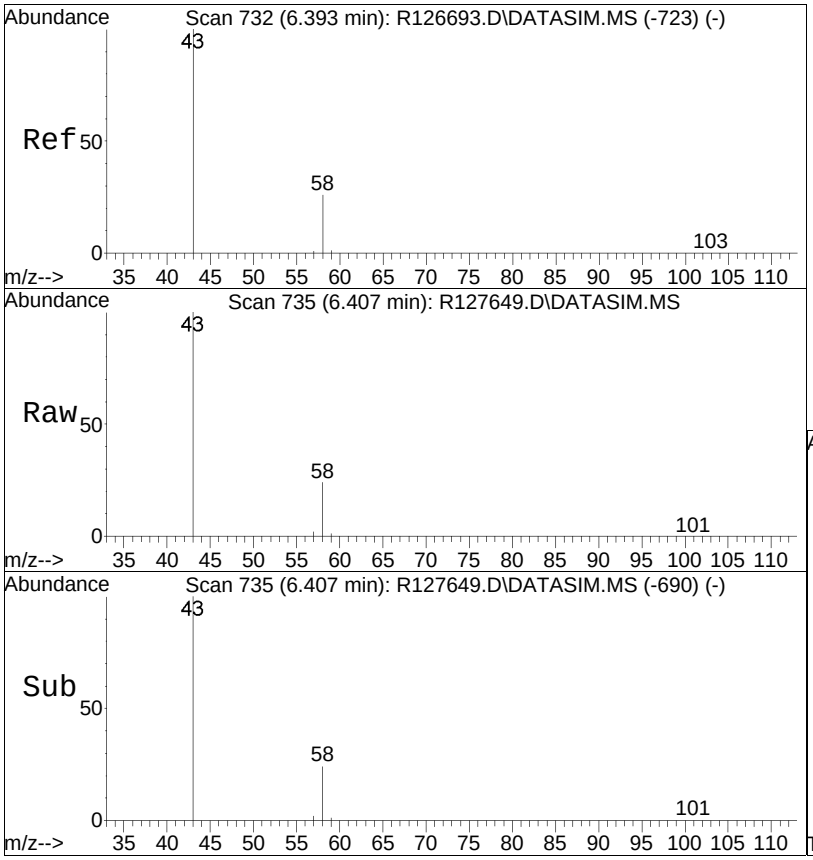


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 64 Resp: 53

Ion	Ratio	Lower	Upper
64	100		
66	114.1	25.5	38.3#

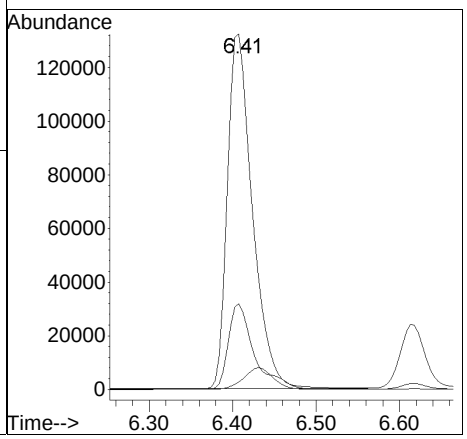


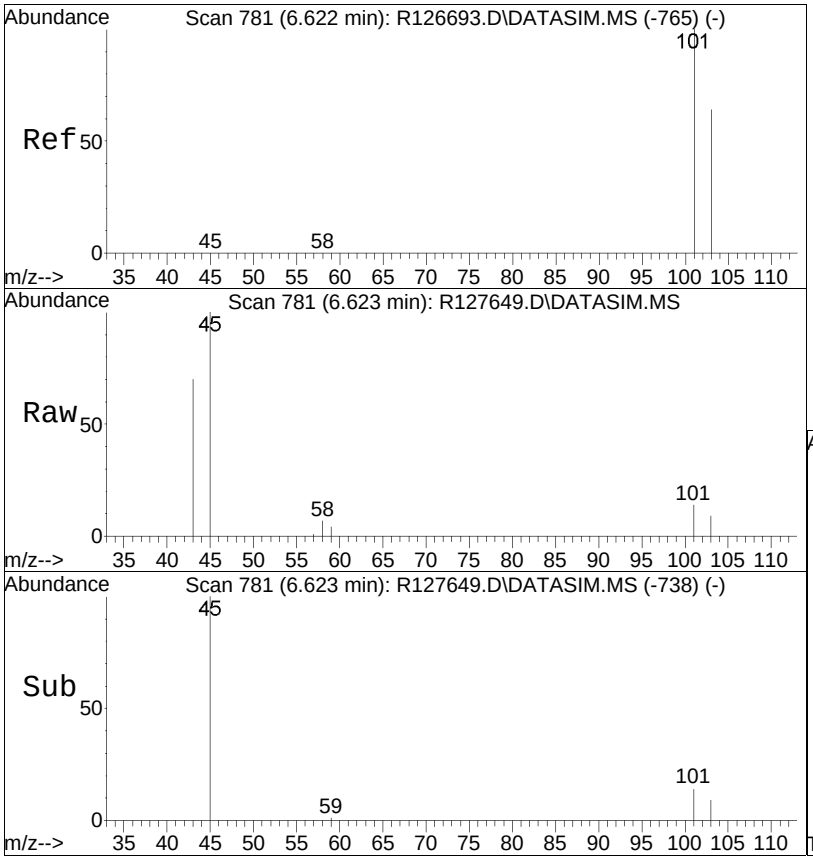


#12
acetone
Concen: 10.92 ppbV
RT: 6.41 min Scan# 735
Delta R.T. 0.014 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 43 Resp: 276193

Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.0	30.0
57	2.1	0.6	1.0#

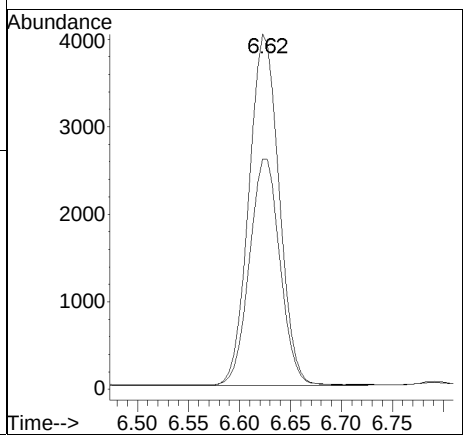


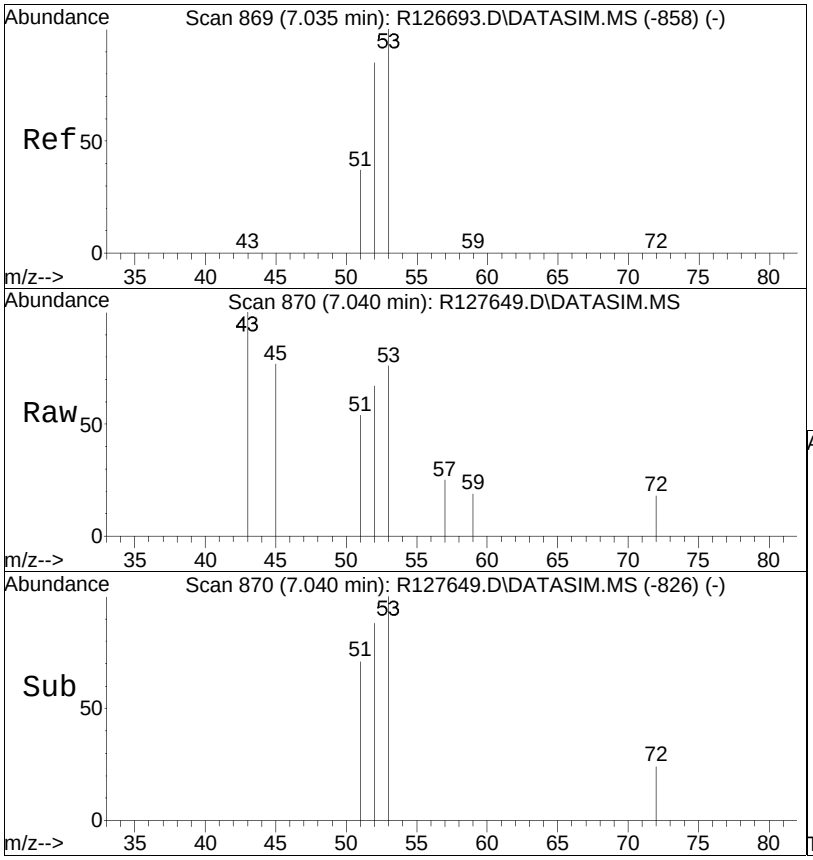


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:101 Resp: 8272

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

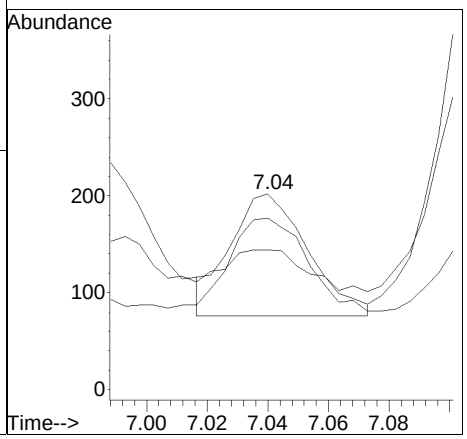


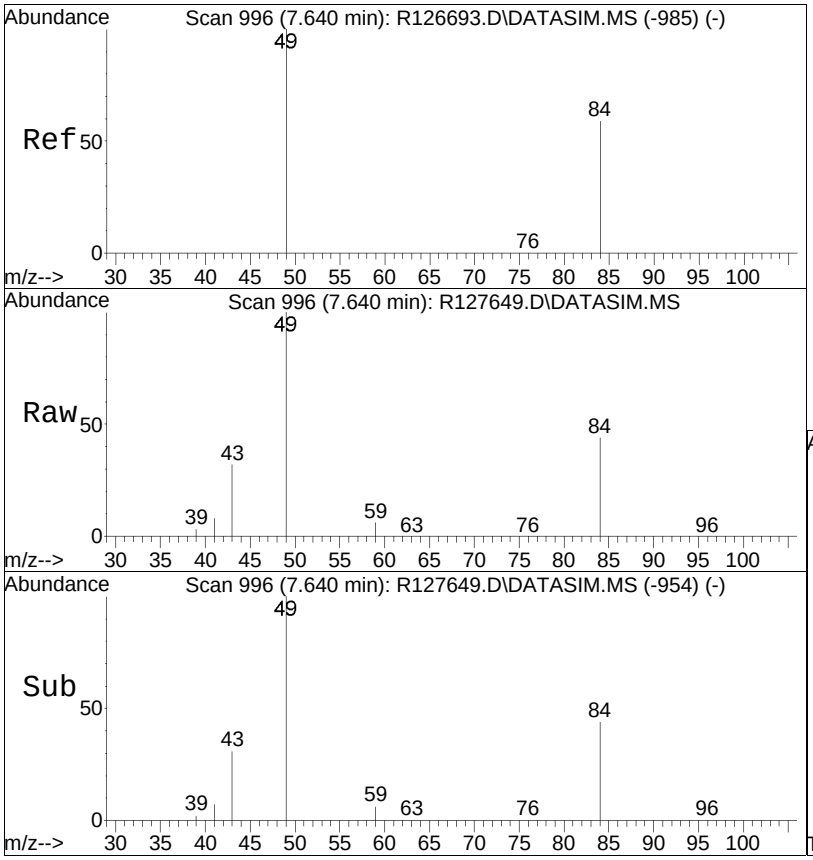


#15
acrylonitrile
Concen: 0.02 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 53 Resp: 225

Ion	Ratio	Lower	Upper
53	100		
52	87.6	68.5	102.7
51	71.3	30.1	45.1#

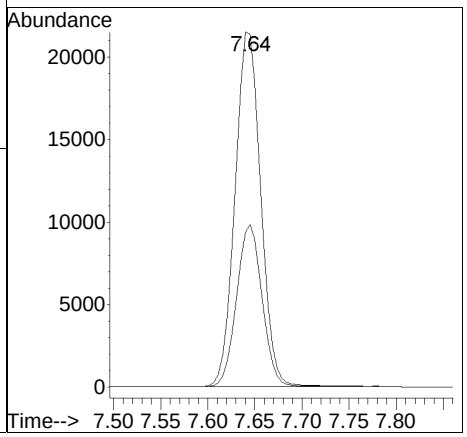


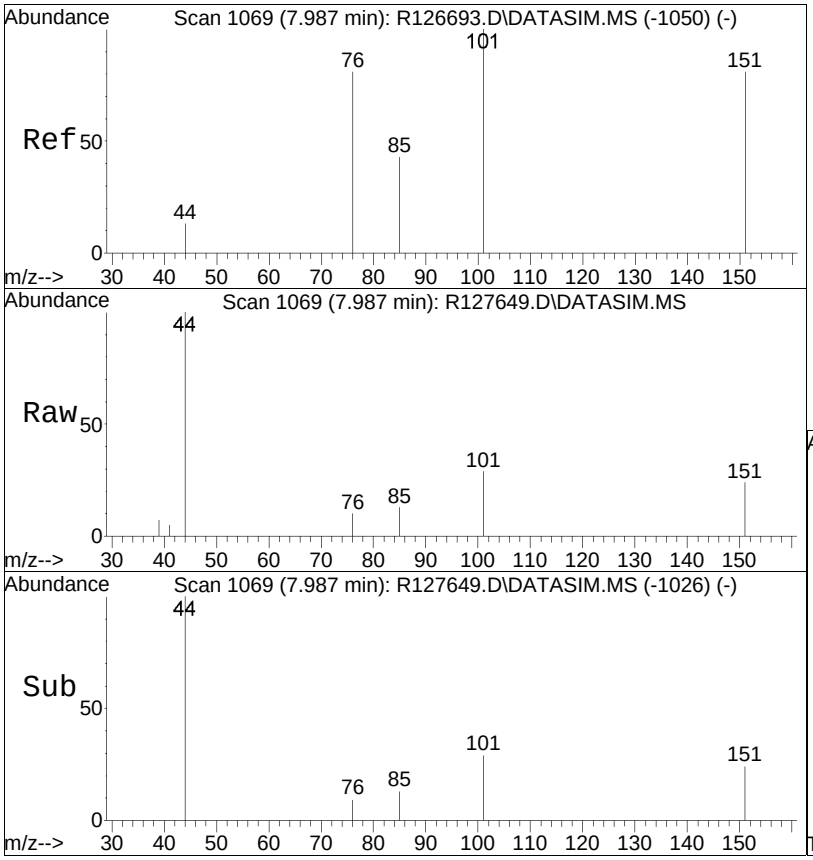


#17
methylene chloride
Concen: 1.93 ppbV
RT: 7.64 min Scan# 996
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 49 Resp: 40732

Ion	Ratio	Lower	Upper
49	100		
84	43.7	37.2	55.8

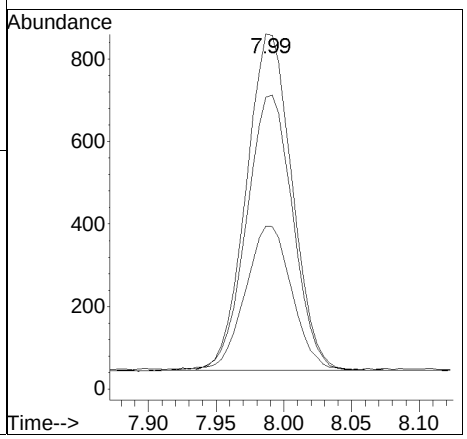


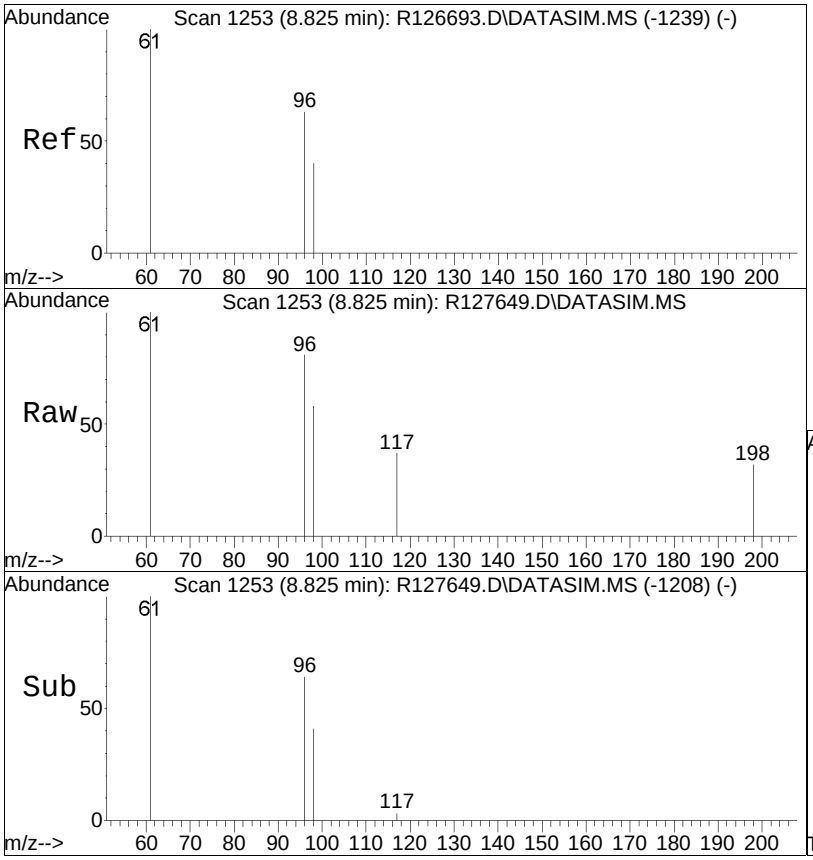


#20
Freon 113
Concen: 0.08 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:101 Resp: 1914

Ion	Ratio	Lower	Upper
101	100		
85	45.9	34.2	51.2
151	82.2	67.8	101.8

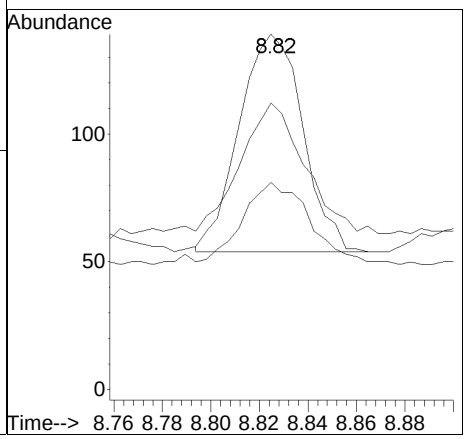


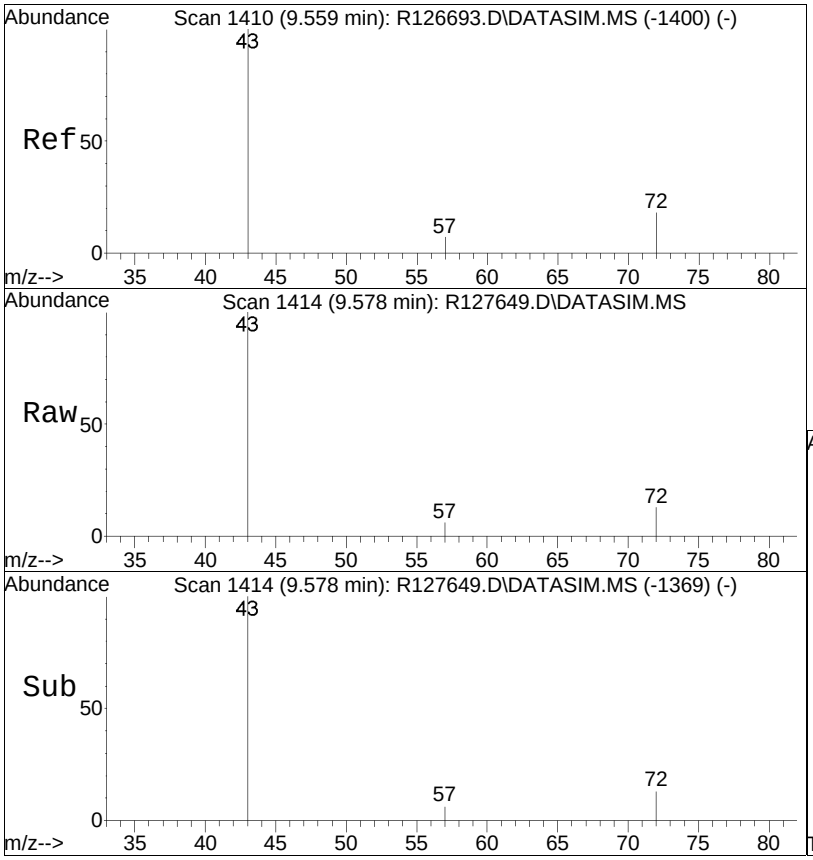


#22
trans-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 8.82 min Scan# 1253
Delta R.T. 0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 61 Resp: 155

Ion	Ratio	Lower	Upper
61	100		
96	80.6	44.6	67.0#
98	58.3	28.6	42.8#

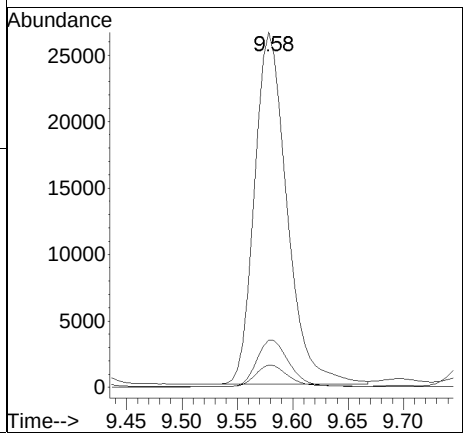


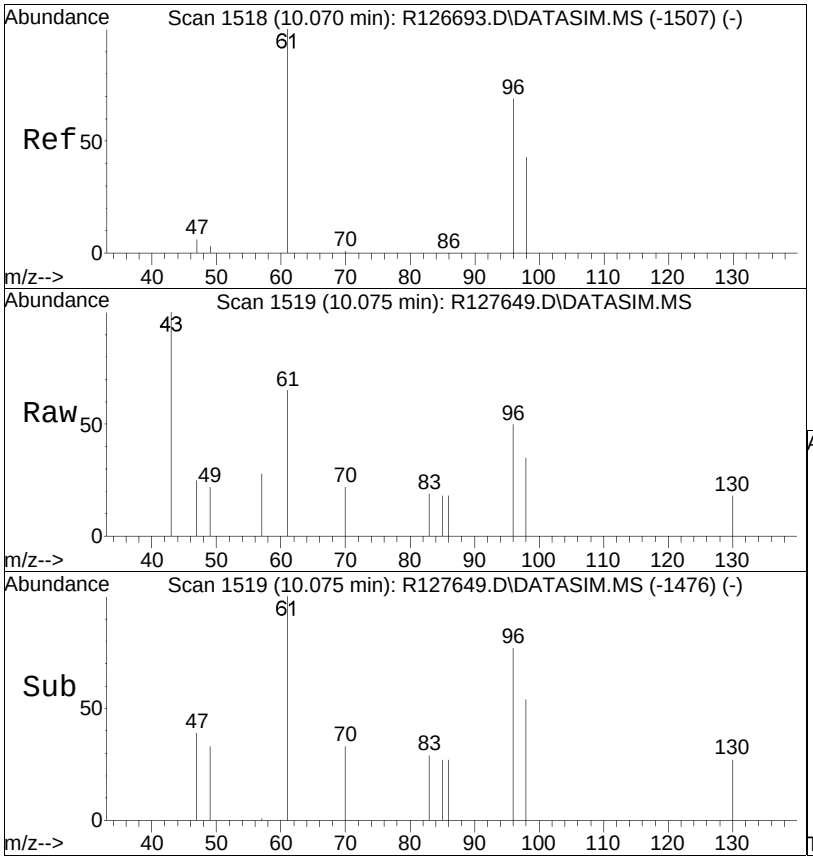


#26
2-butanone
Concen: 1.36 ppbV
RT: 9.58 min Scan# 1414
Delta R.T. 0.014 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 43 Resp: 53913

Ion	Ratio	Lower	Upper
43	100		
72	13.3	12.0	18.0
57	6.3	5.2	7.8

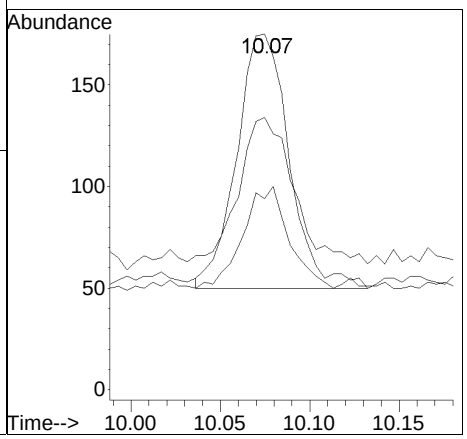


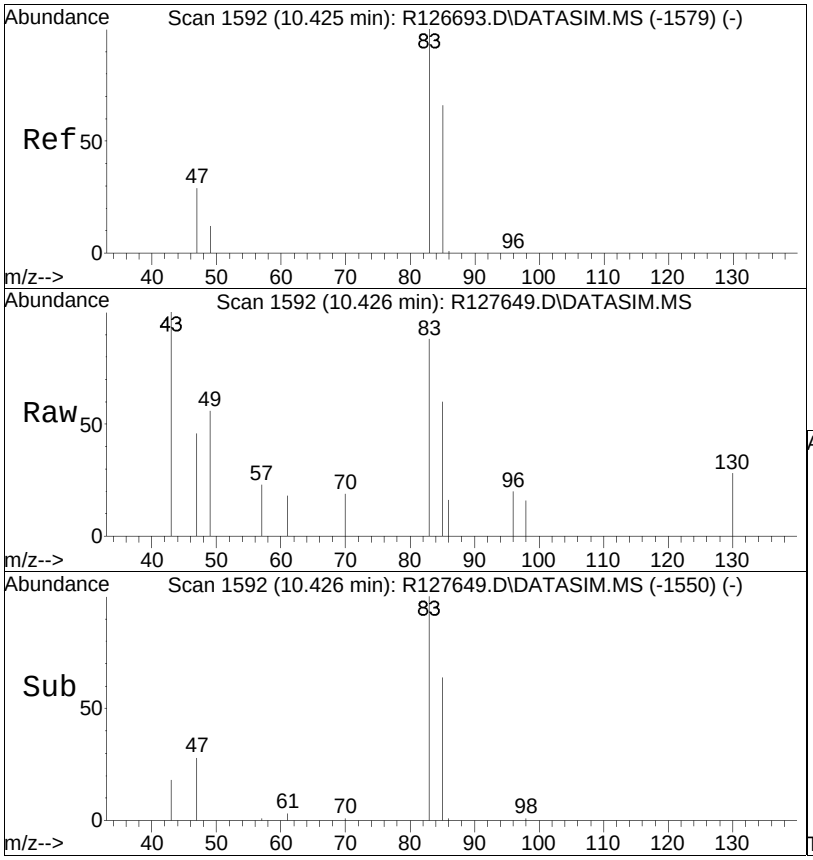


#27
cis-1,2-dichloroethene
Concen: 0.01 ppbV
RT: 10.07 min Scan# 1519
Delta R.T. 0.005 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 61 Resp: 255

Ion	Ratio	Lower	Upper
61	100		
96	76.6	49.8	74.6#
98	53.7	31.3	46.9#

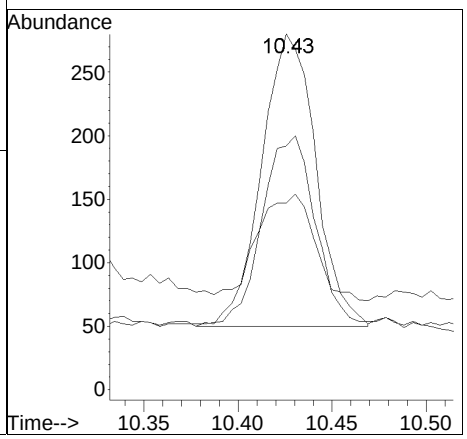


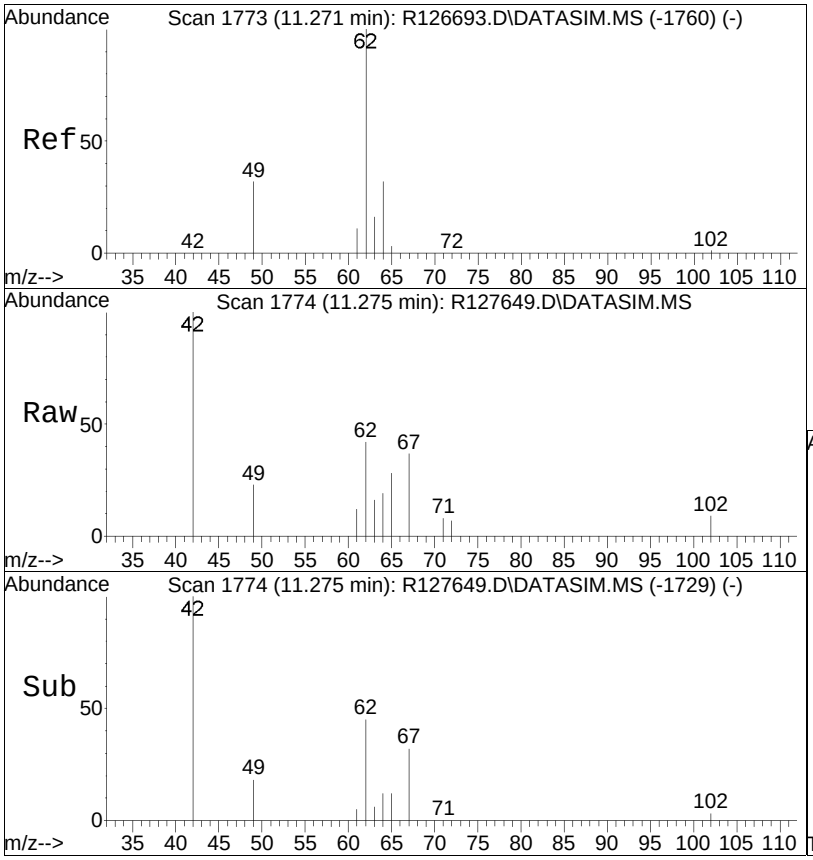


#29
chloroform
Concen: 0.02 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 83 Resp: 461

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.2	78.2
47	52.5	26.4	39.6#

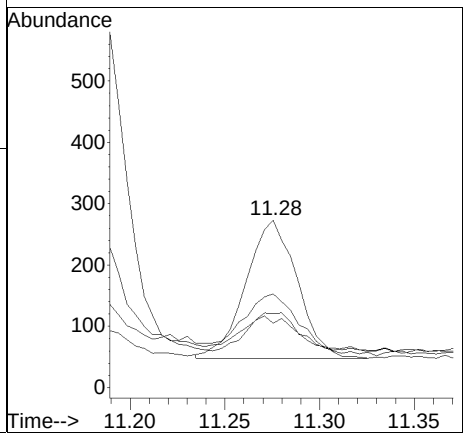


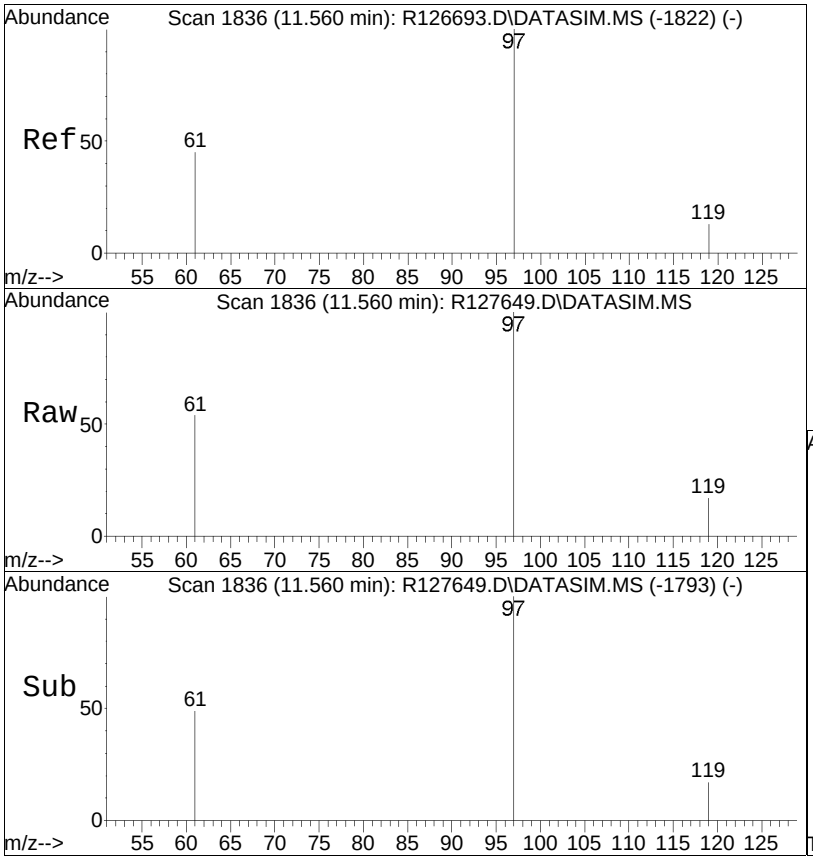


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.004 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 62 Resp: 424

Ion	Ratio	Lower	Upper
62	100		
64	44.3	25.0	37.6#
49	56.0	31.2	46.8#
63	38.5	13.3	19.9#

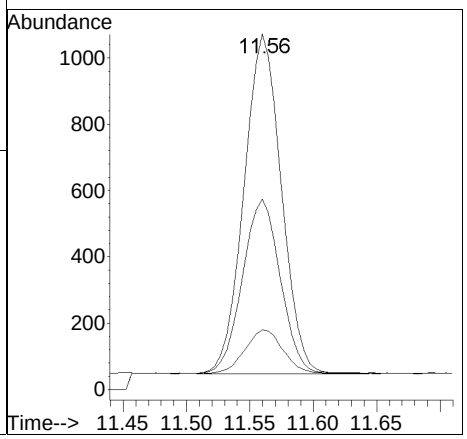


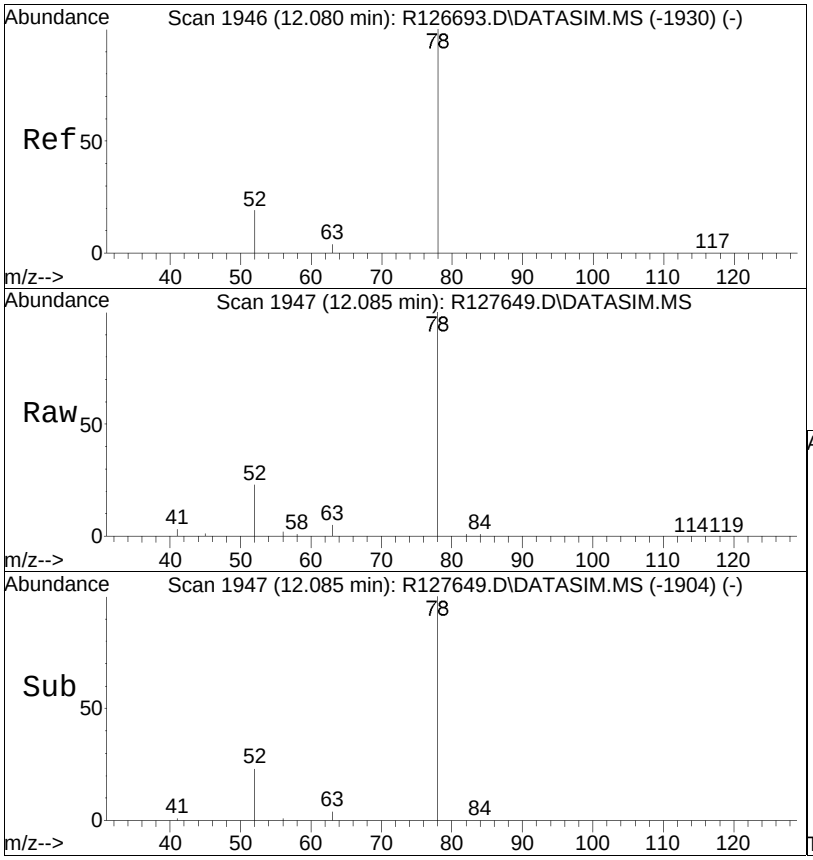


#35
1,1,1-trichloroethane
Concen: 0.07 ppbV m
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 97 Resp: 2103

Ion	Ratio	Lower	Upper
97	100		
61	53.5	38.6	58.0
119	16.8	11.0	16.6#

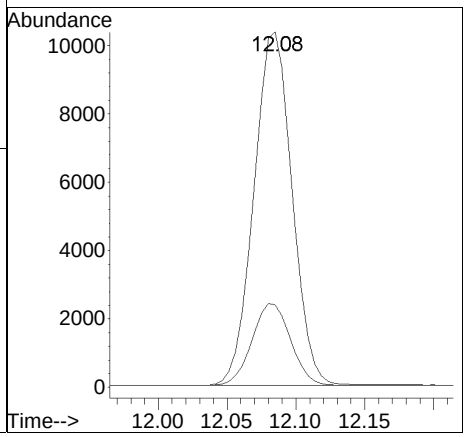


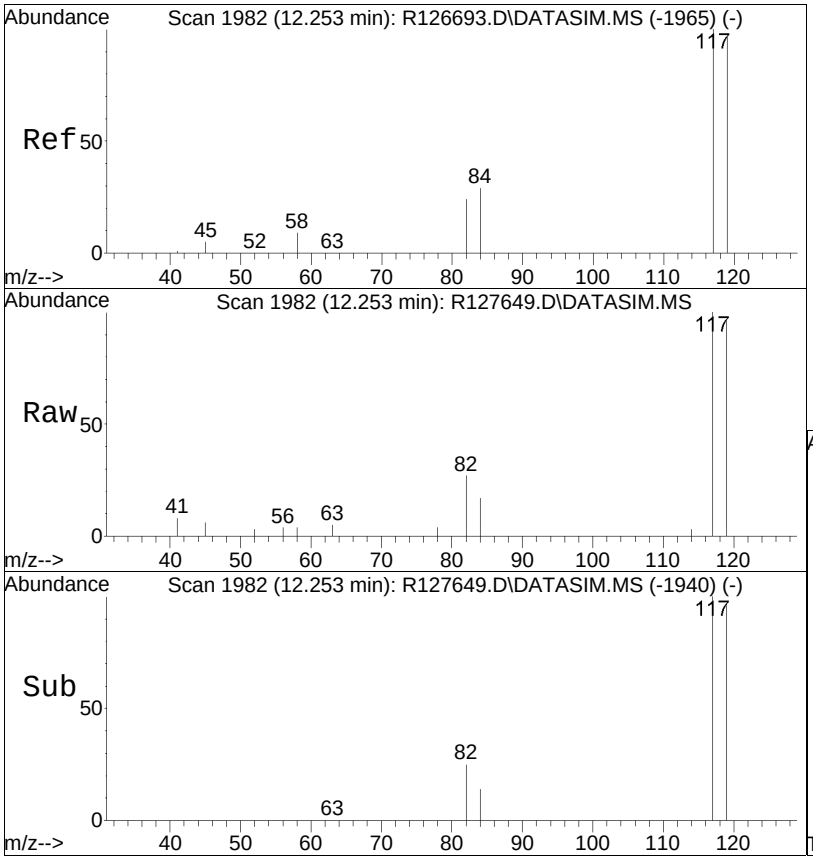


#36
benzene
Concen: 0.47 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 78 Resp: 19939

Ion	Ratio	Lower	Upper
78	100		
52	23.2	18.5	27.7

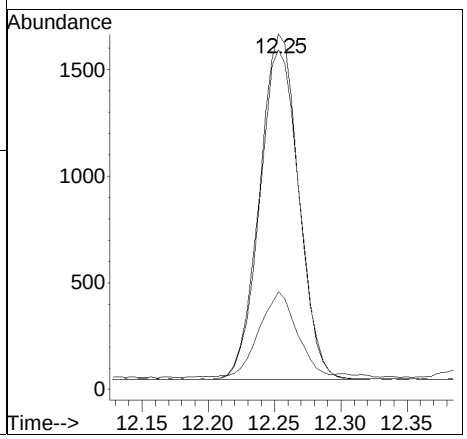


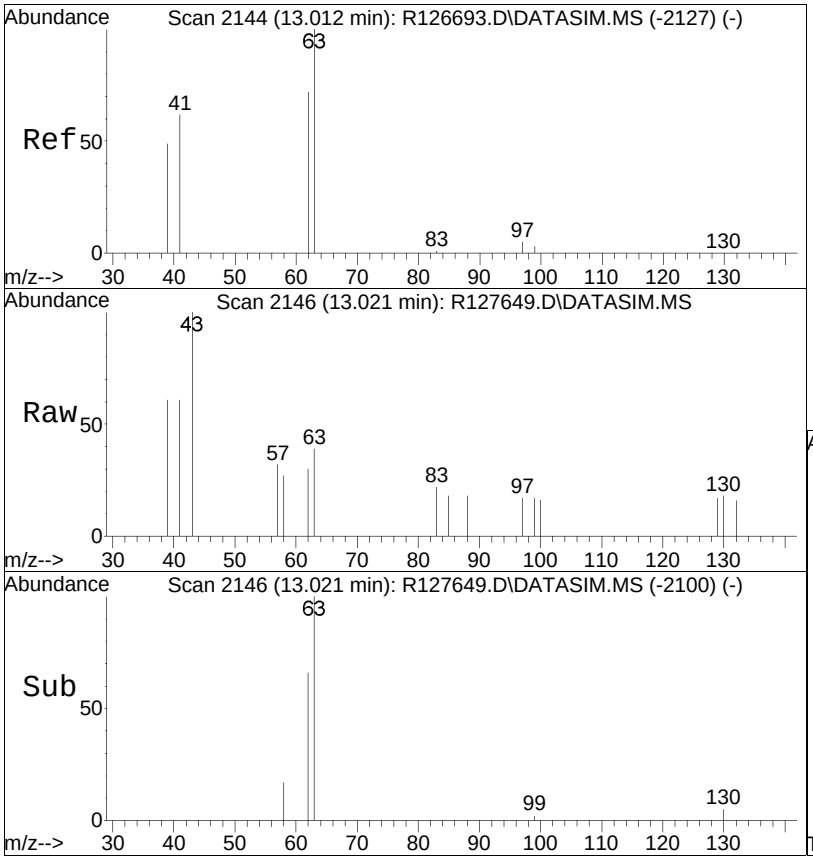


#37
carbon tetrachloride
Concen: 0.11 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:117 Resp: 3321

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
82	27.5	18.2	27.2#

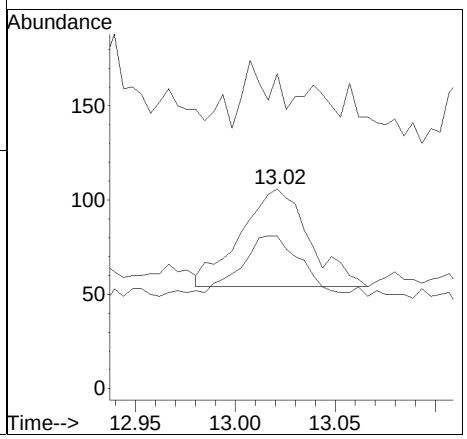


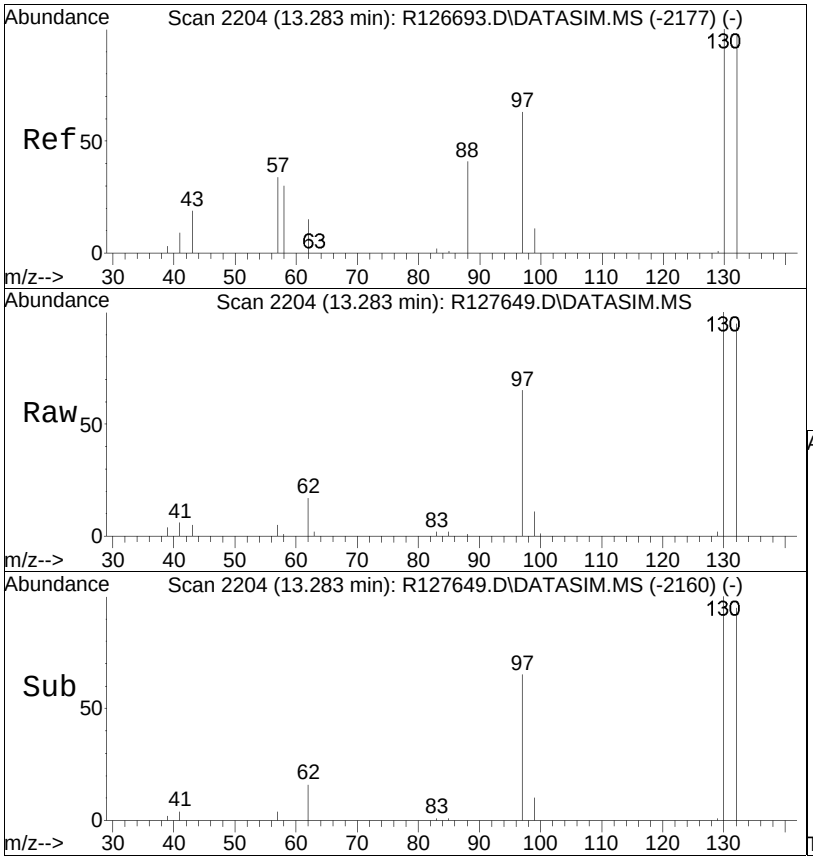


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.02 min Scan# 2146
Delta R.T. 0.009 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 63 Resp: 124

Ion	Ratio	Lower	Upper
63	100		
62	76.4	59.4	89.2
39	157.5	35.9	53.9#

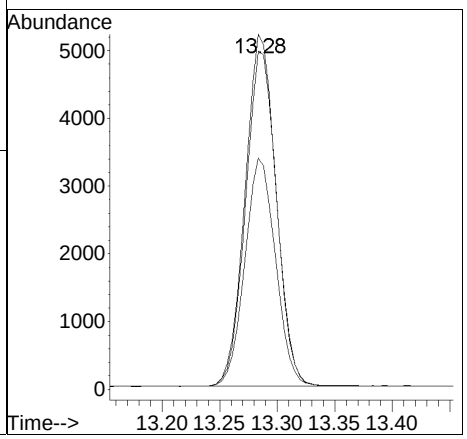


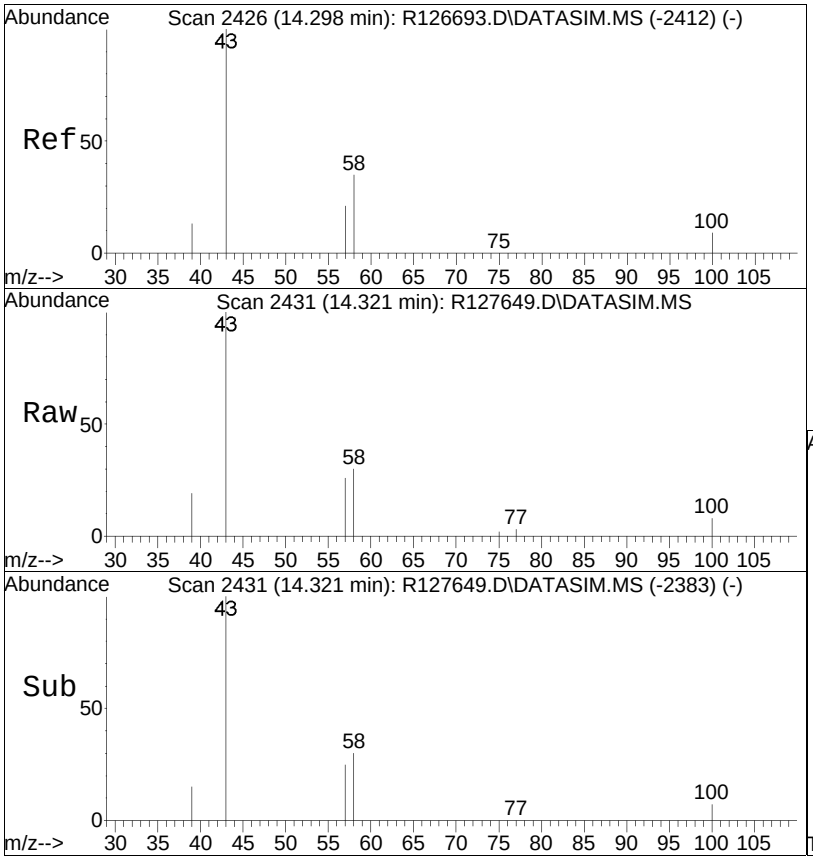


#42
trichloroethene
Concen: 0.47 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:130 Resp: 9719

Ion	Ratio	Lower	Upper
130	100		
132	95.1	77.3	115.9
97	65.1	50.6	75.8

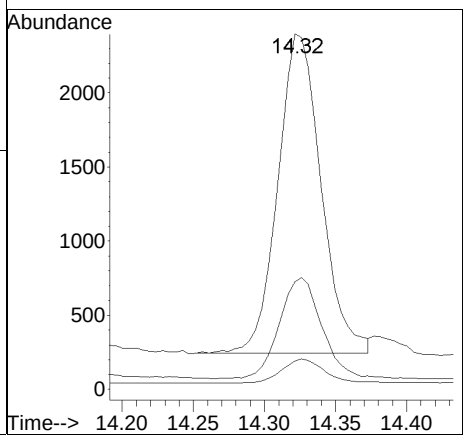


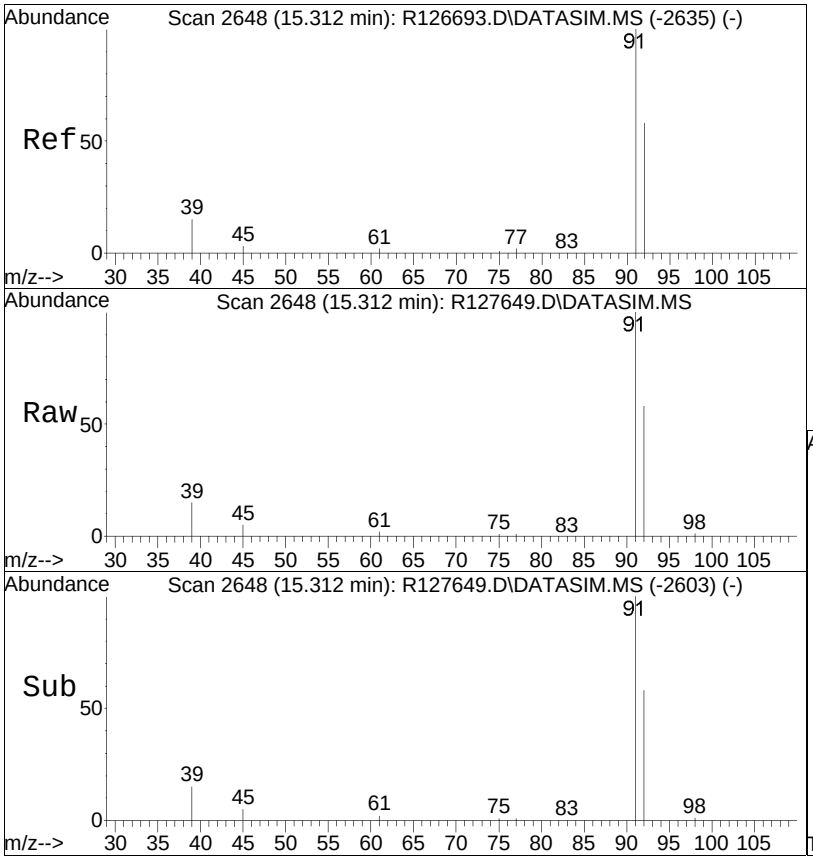


#46
4-methyl-2-pentanone
Concen: 0.09 ppbV
RT: 14.32 min Scan# 2431
Delta R.T. 0.023 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 43 Resp: 4563

Ion	Ratio	Lower	Upper
43	100		
58	30.3	26.0	39.0
100	8.0	5.8	8.6

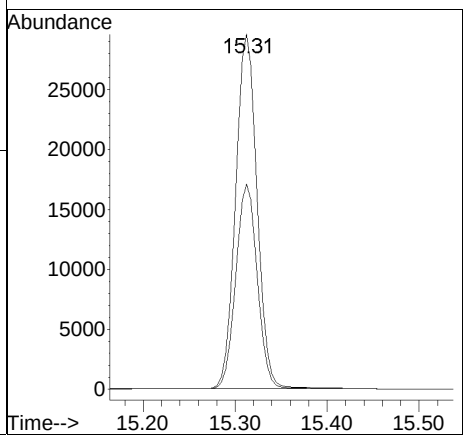


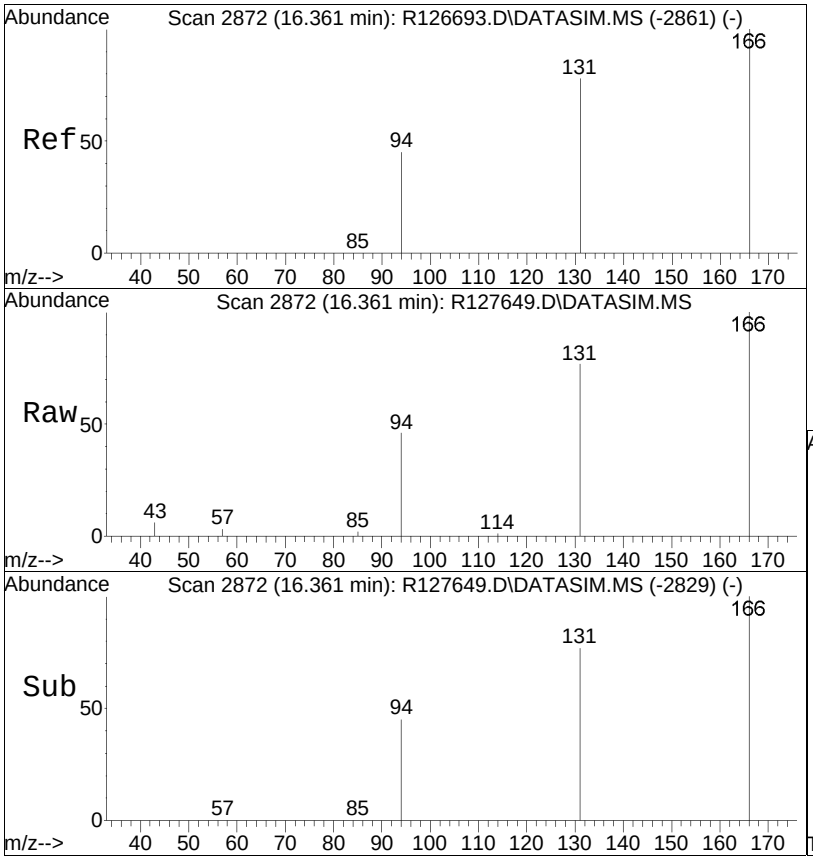


#50
toluene
Concen: 0.88 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 91 Resp: 47874

Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.4	69.6

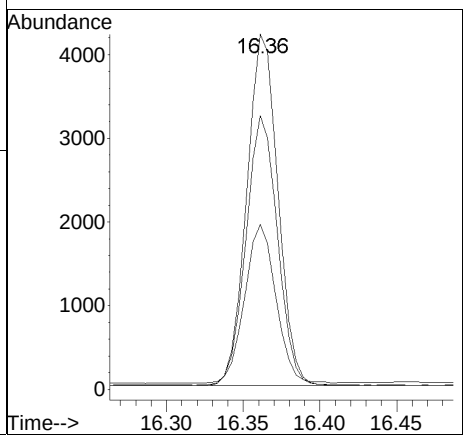


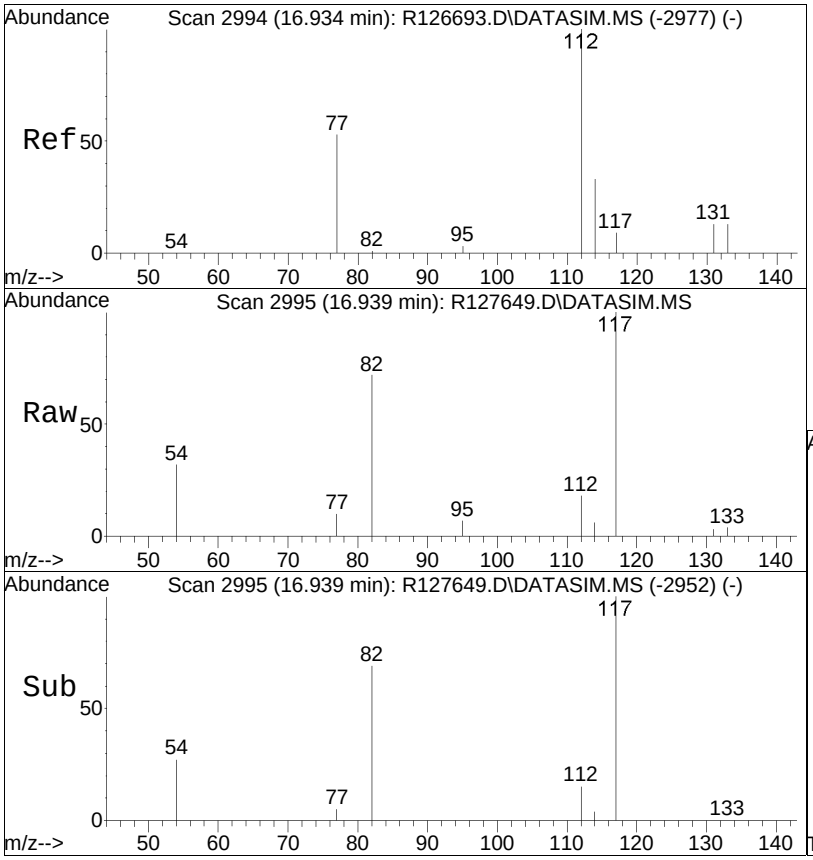


#55
tetrachloroethene
Concen: 0.21 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:166 Resp: 5960

Ion	Ratio	Lower	Upper
166	100		
131	77.1	60.6	90.8
94	46.4	32.2	48.2

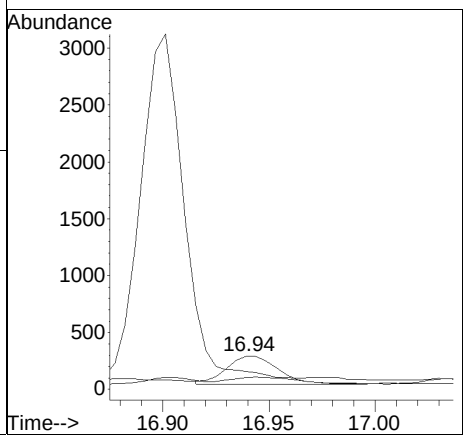


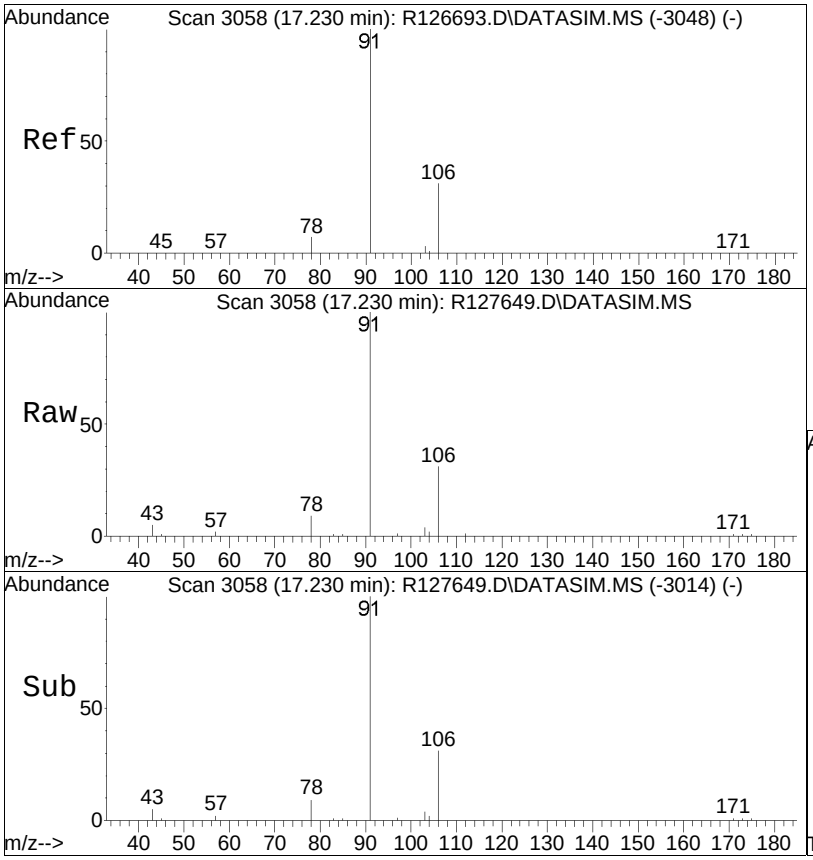


#57
chlorobenzene
Concen: 0.01 ppbV
RT: 16.94 min Scan# 2995
Delta R.T. 0.005 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:112 Resp: 416

Ion	Ratio	Lower	Upper
112	100		
114	36.0	26.4	39.6
77	53.8	42.4	63.6

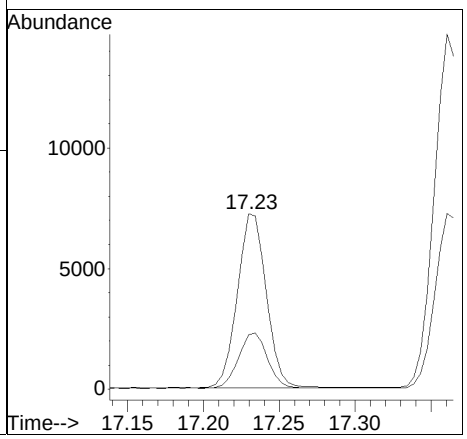


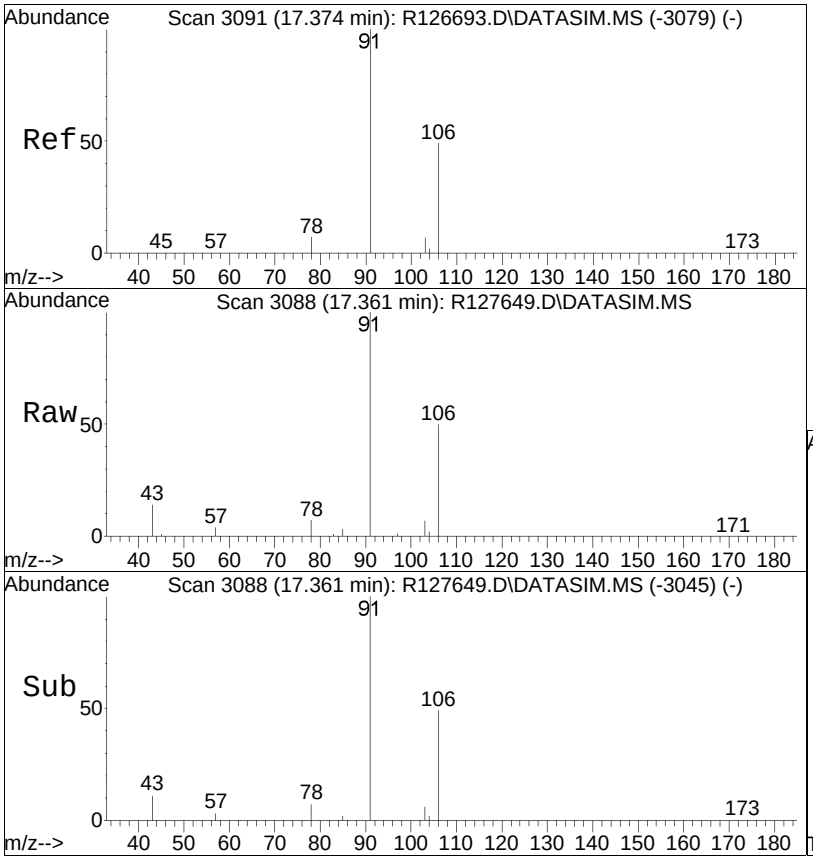


#58
ethylbenzene
Concen: 0.14 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 91 Resp: 9562

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.3	37.9

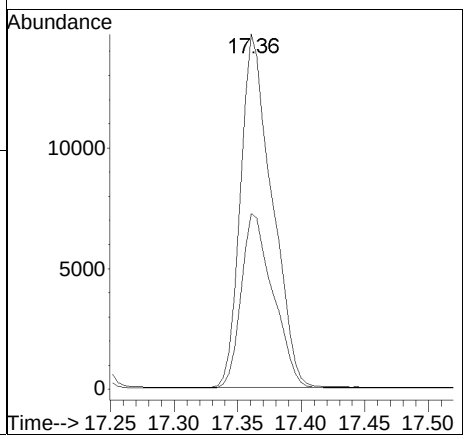


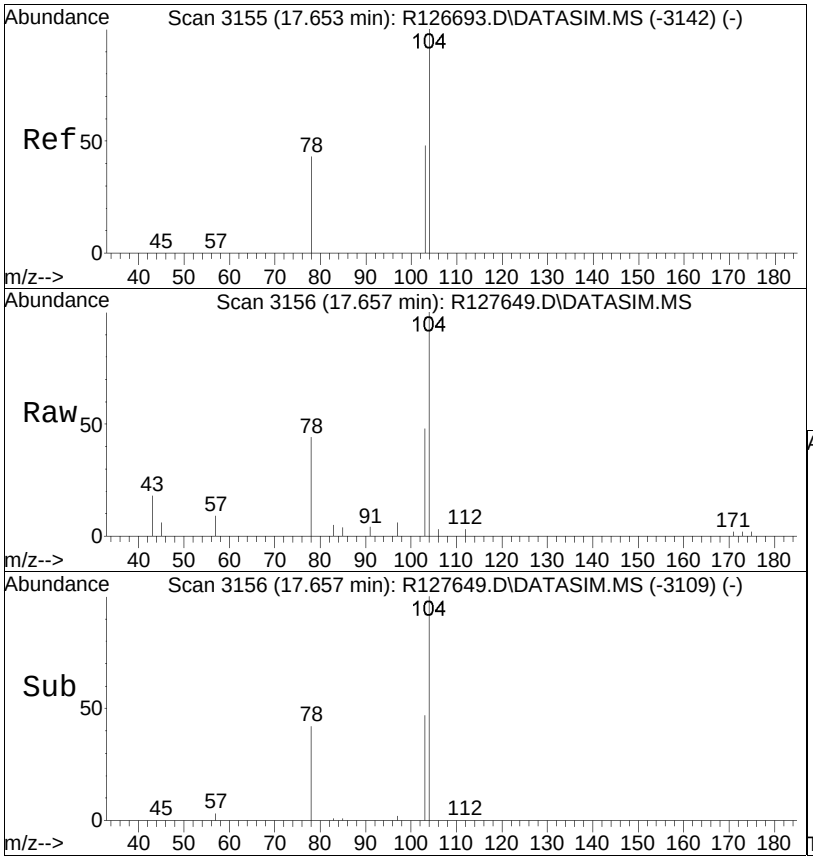


#59
m+p-xylene
Concen: 0.47 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 91 Resp: 25169

Ion	Ratio	Lower	Upper
91	100		
106	49.5	40.0	60.0

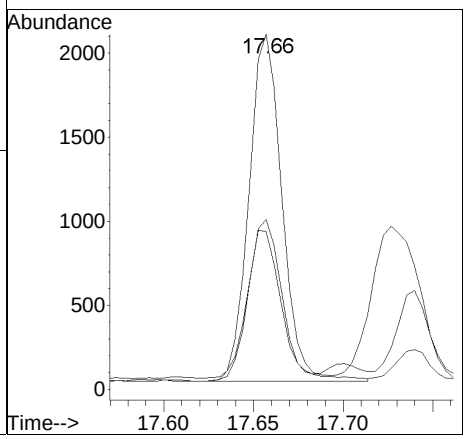


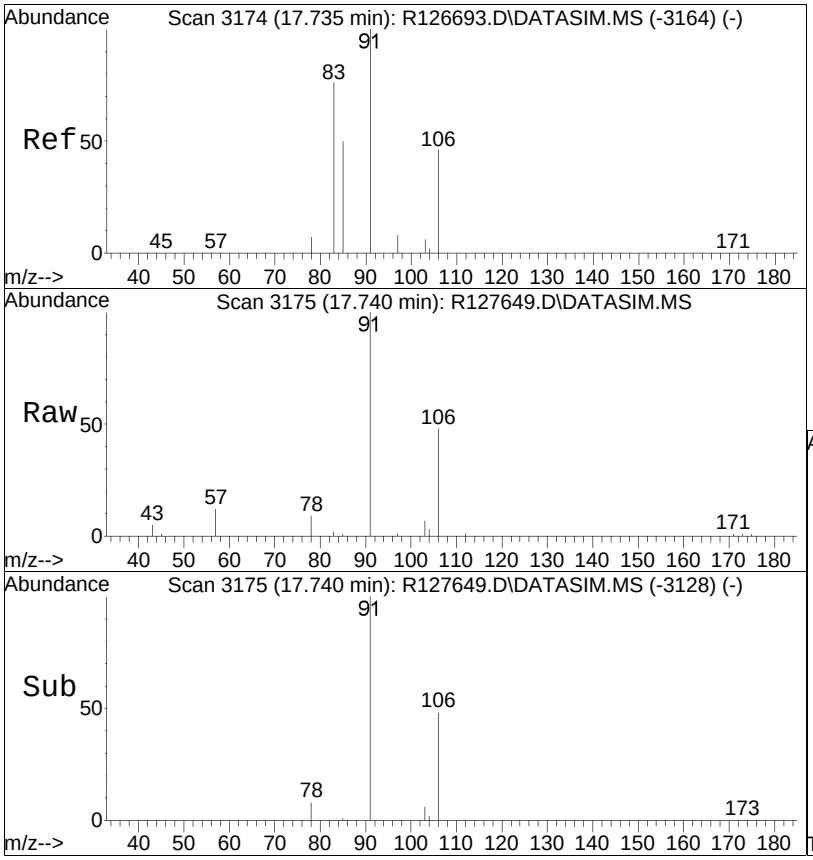


#61
styrene
Concen: 0.06 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:104 Resp: 2656

Ion	Ratio	Lower	Upper
104	100		
103	47.8	38.3	57.5
78	44.4	35.0	52.6

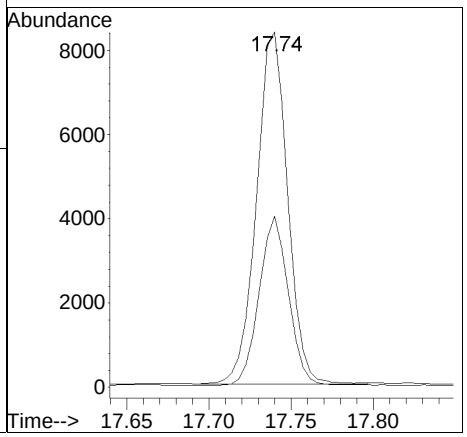


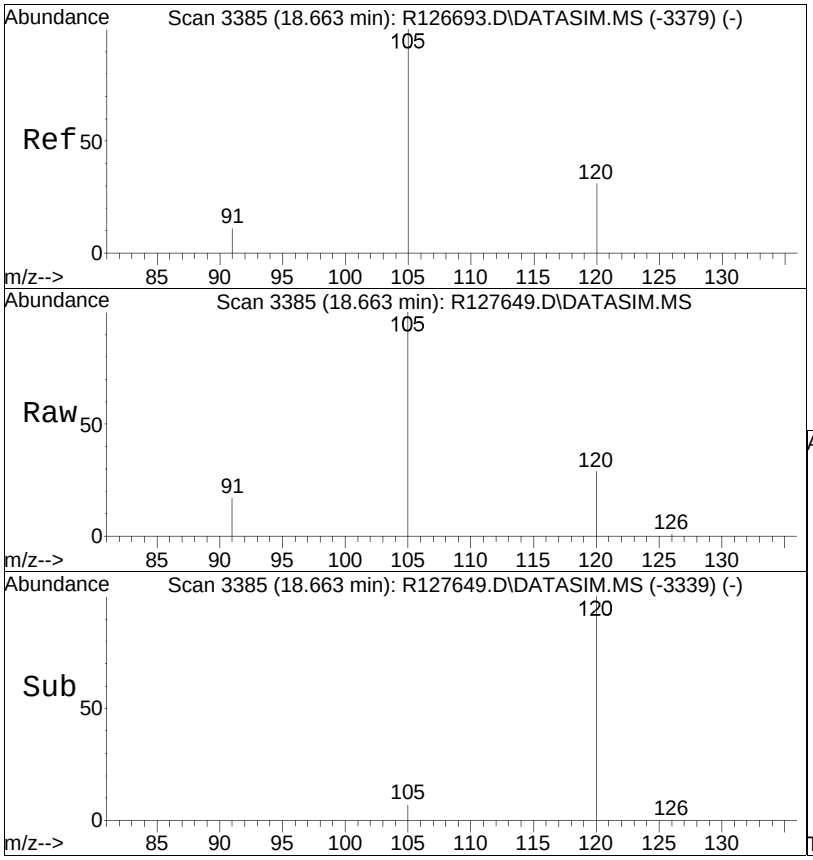


#63
o-xylene
Concen: 0.20 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion: 91 Resp: 10994

Ion	Ratio	Lower	Upper
91	100		
106	48.2	37.1	55.7

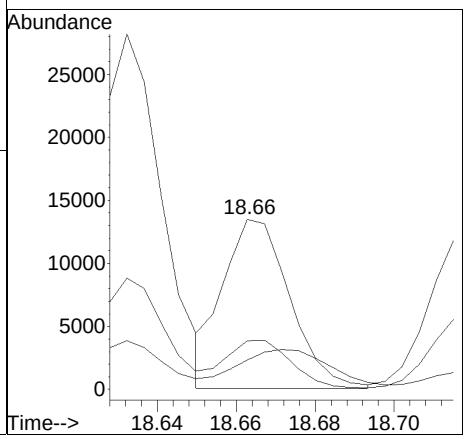


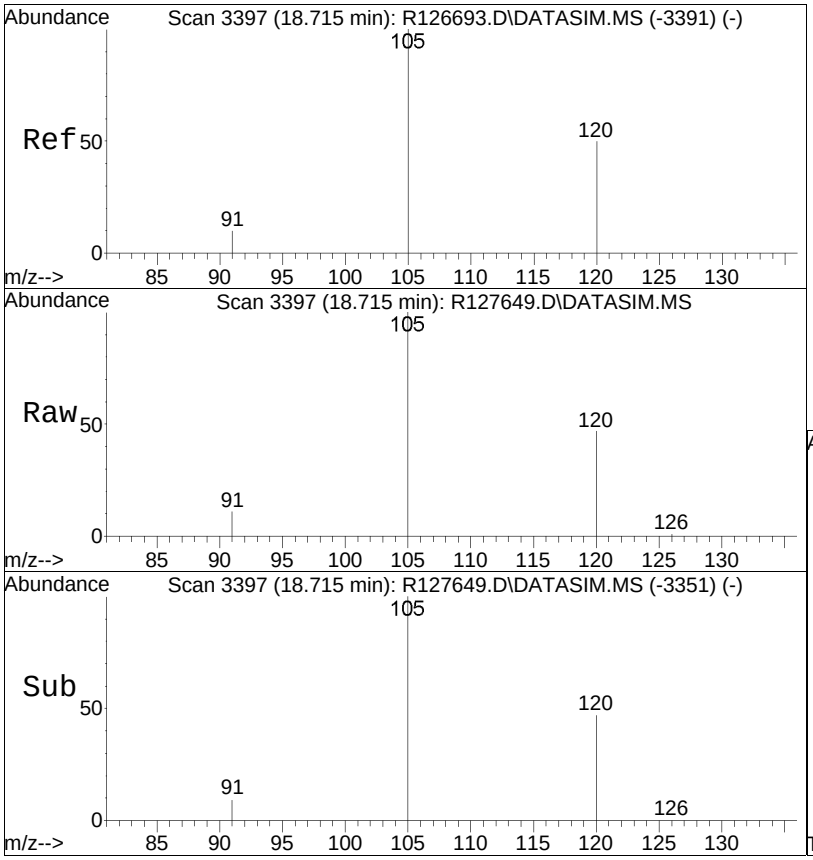


#66
4-ethyl toluene
Concen: 0.19 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:105 Resp: 15804

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.7	35.5
91	17.3	8.5	12.7#

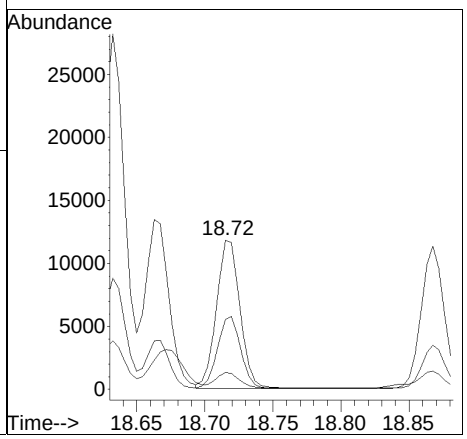


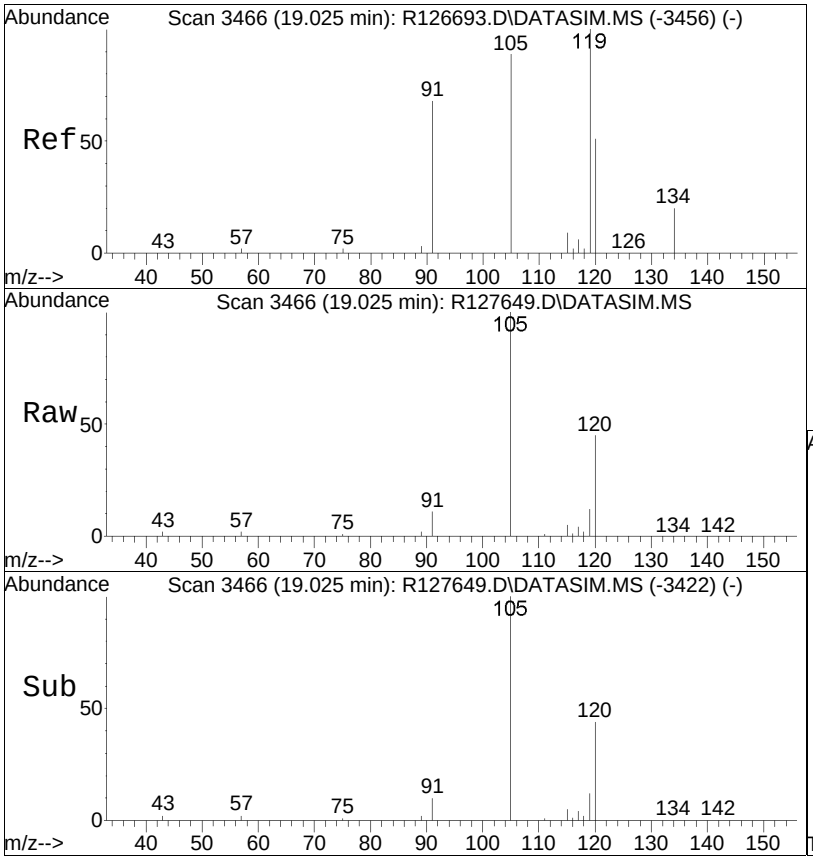


#67
1,3,5-trimethylbenzene
Concen: 0.21 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:105 Resp: 14115

Ion	Ratio	Lower	Upper
105	100		
120	47.0	39.0	58.4
91	11.3	8.0	12.0

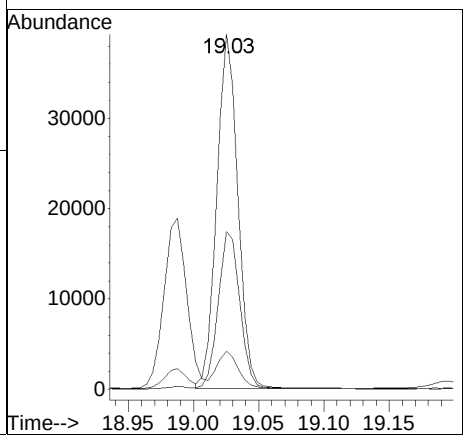


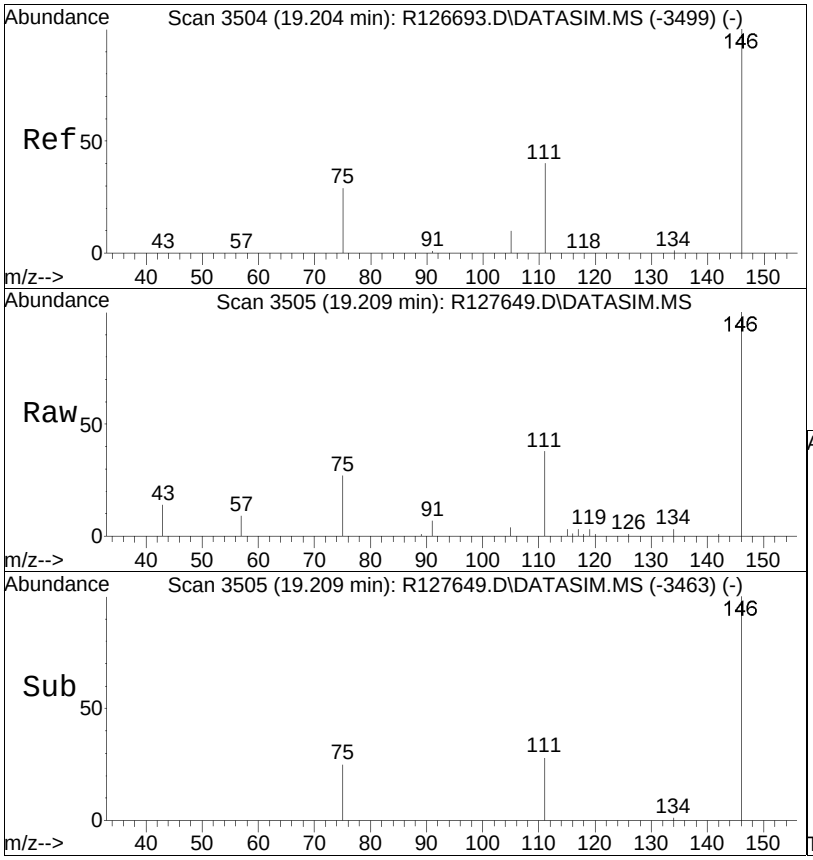


#69
1,2,4-trimethylbenzene
Concen: 0.66 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.001 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:105 Resp: 44225

Ion	Ratio	Lower	Upper
105	100		
120	44.5	44.9	67.3#
91	10.7	58.6	88.0#

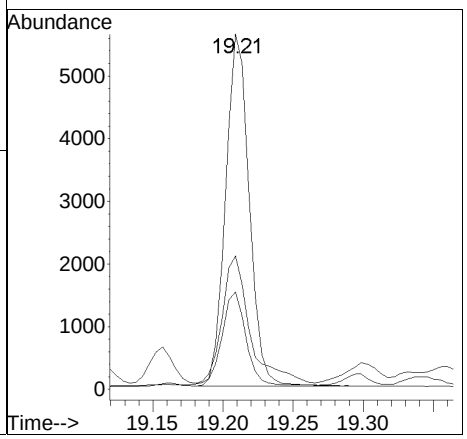


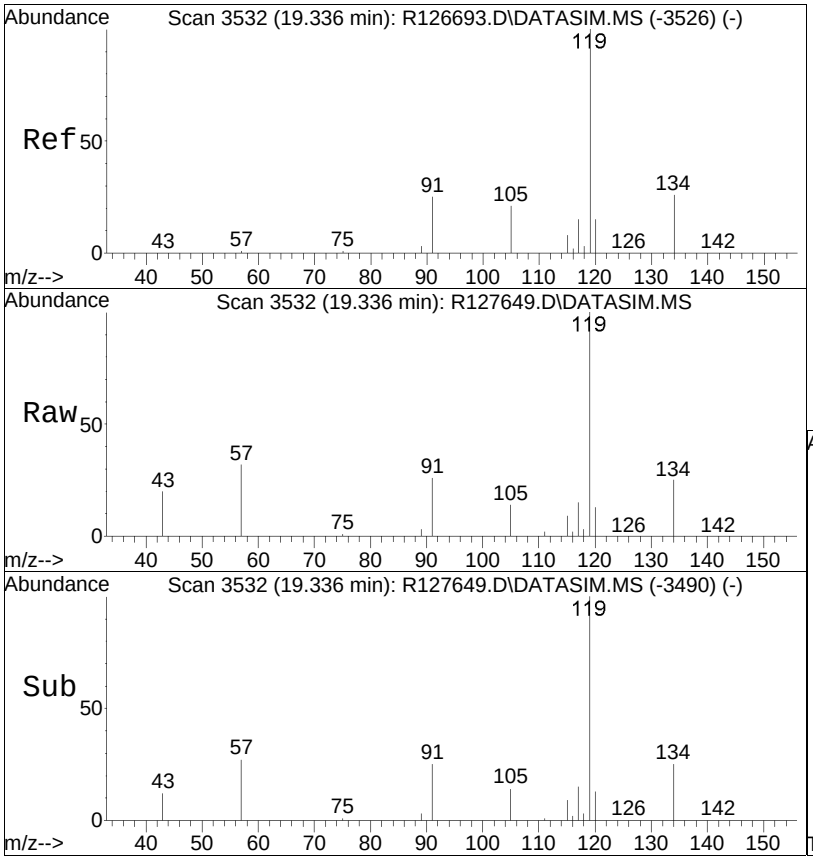


#72
1,4-dichlorobenzene
Concen: 0.13 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. -0.001 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:146 Resp: 6591

Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.4	39.6
75	27.4	18.0	27.0#

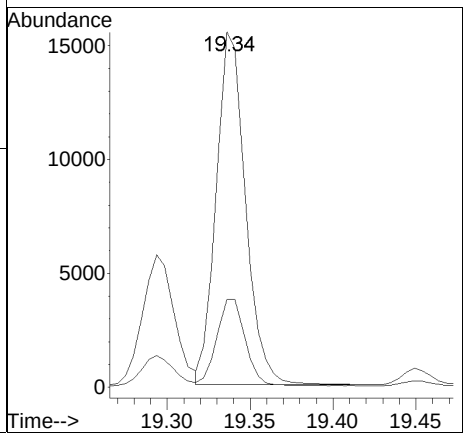


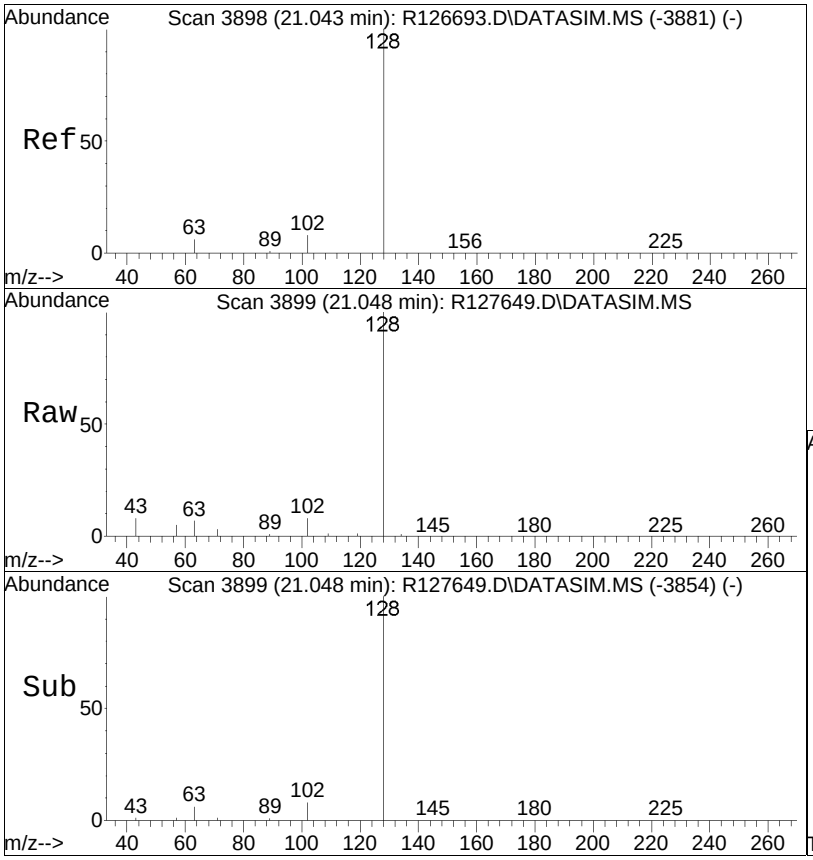


#74
p-isopropyltoluene
Concen: 0.21 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. -0.001 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:119 Resp: 19033

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.4	30.6

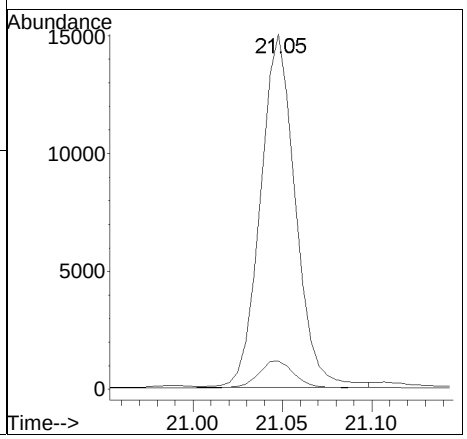




#78
naphthalene
Concen: 0.21 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.004 min
Lab File: R127649.D
Acq: 12 Apr 2013 9:25 pm

Tgt Ion:128 Resp: 20398

Ion	Ratio	Lower	Upper
128	100		
102	8.0	6.2	9.2

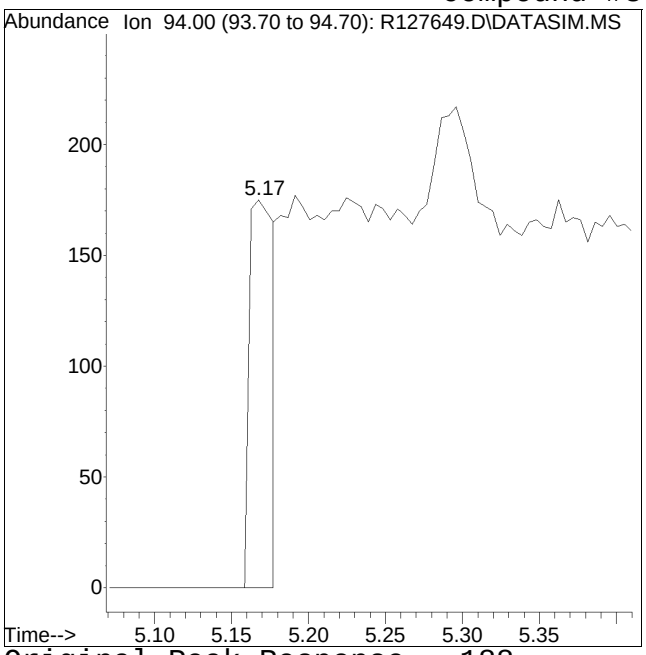


Manual Integration/Negative Proof Report

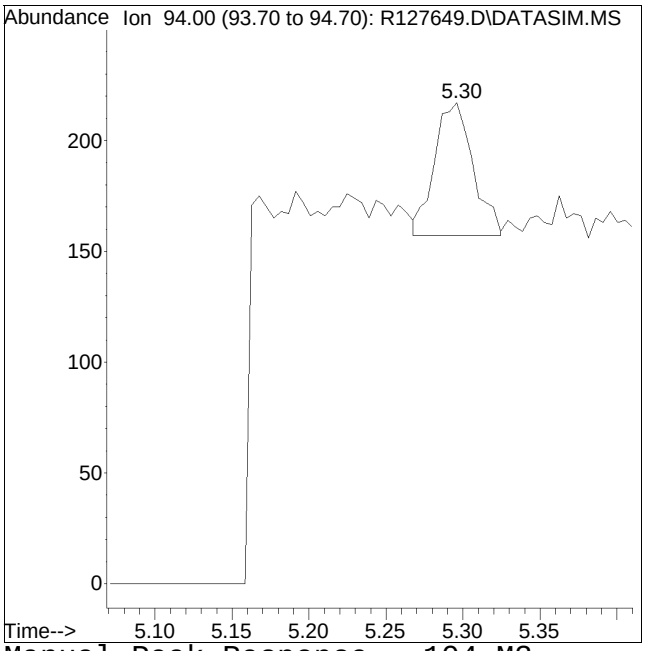
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #8: bromomethane



Original Peak Response = 188



Manual Peak Response = 104 M3

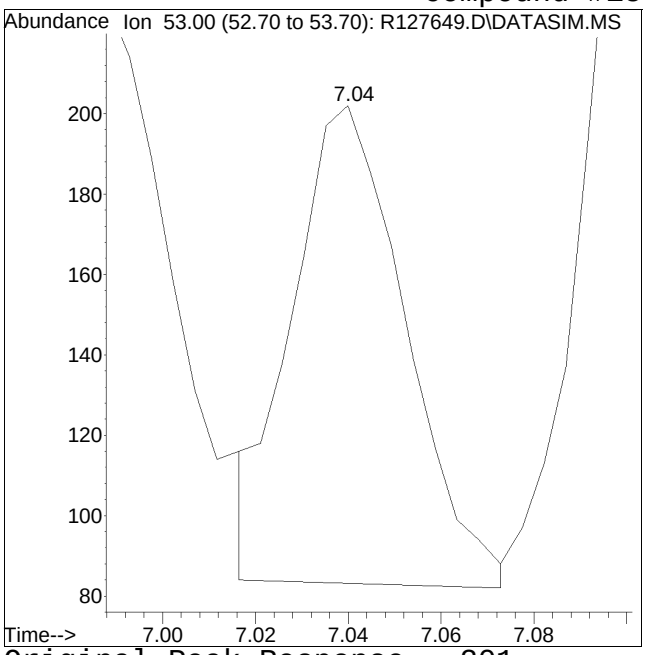
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

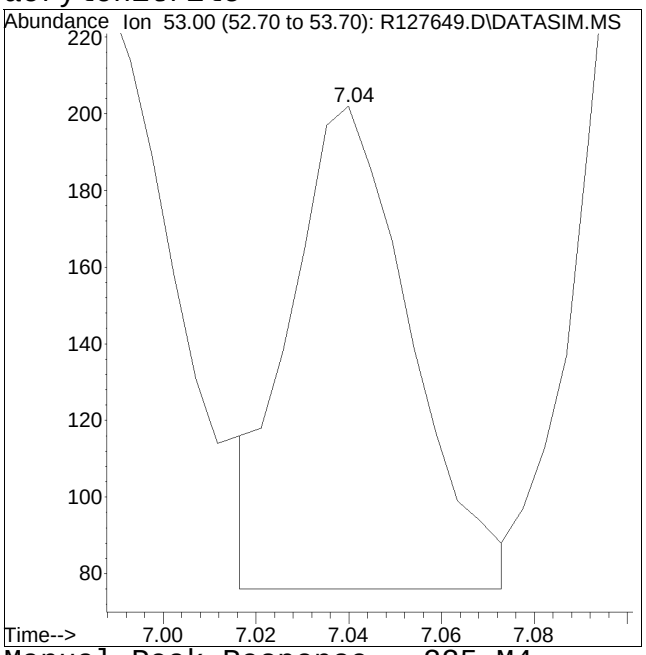
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #15: acrylonitrile



Original Peak Response = 201



Manual Peak Response = 225 M4

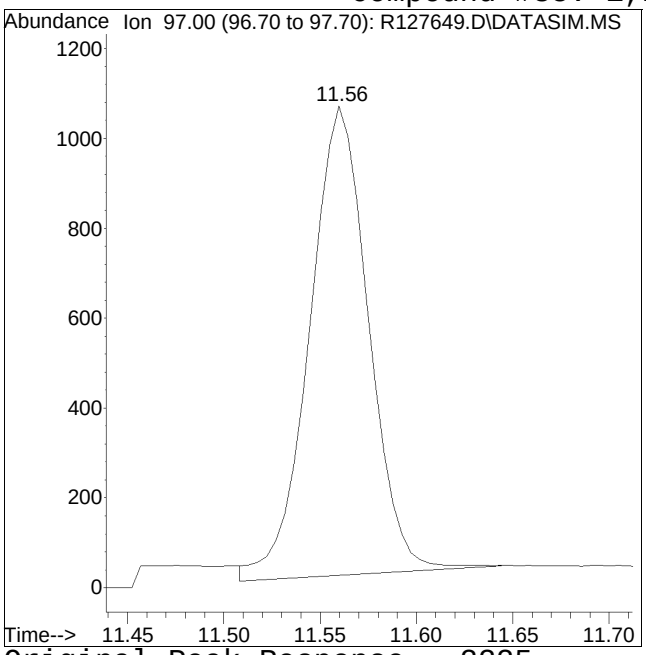
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

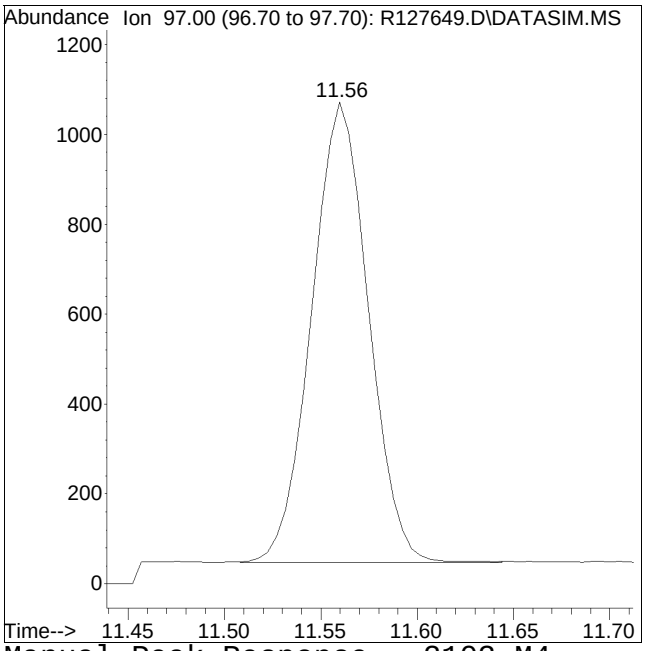
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 2225



Manual Peak Response = 2103 M4

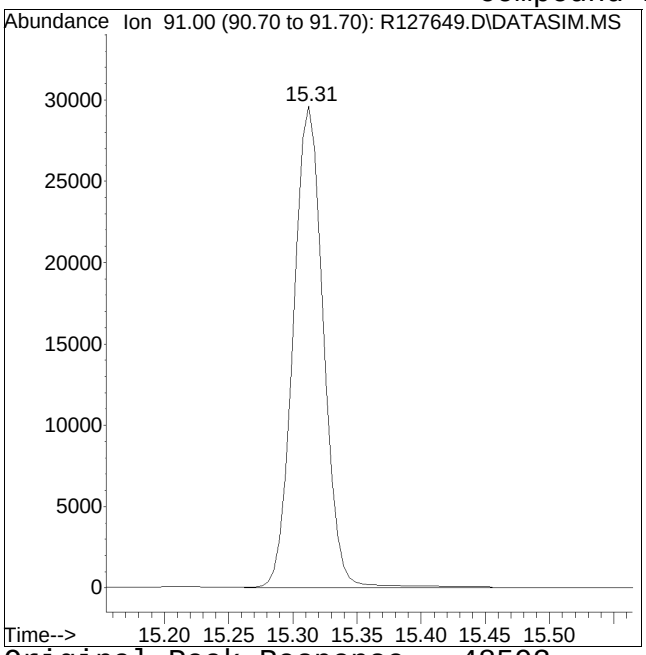
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

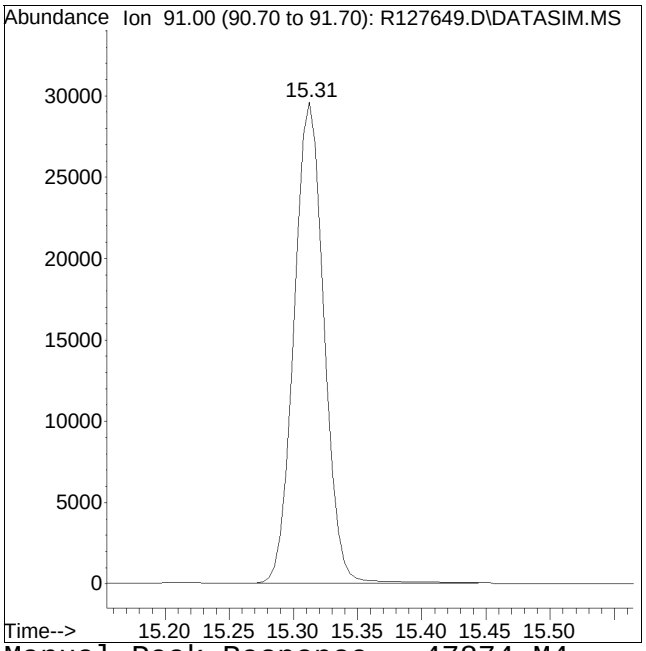
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #50: toluene



Original Peak Response = 48593



Manual Peak Response = 47874 M4

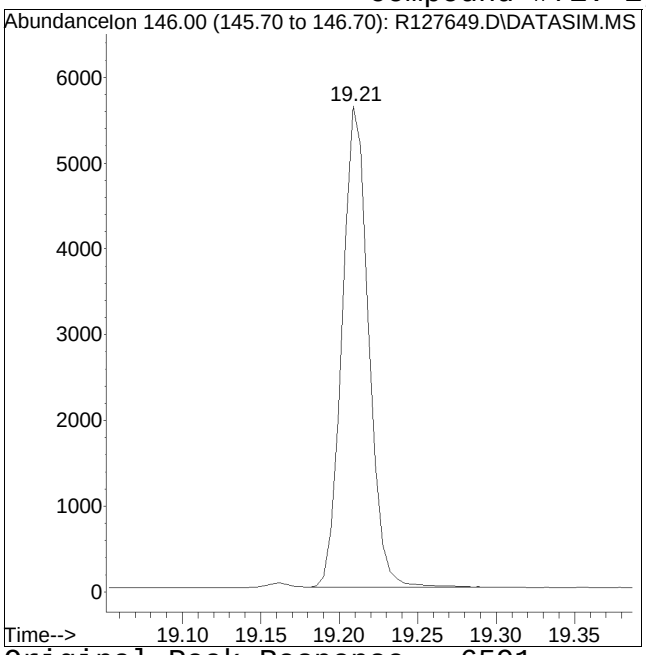
M4 = Poor automated baseline construction.

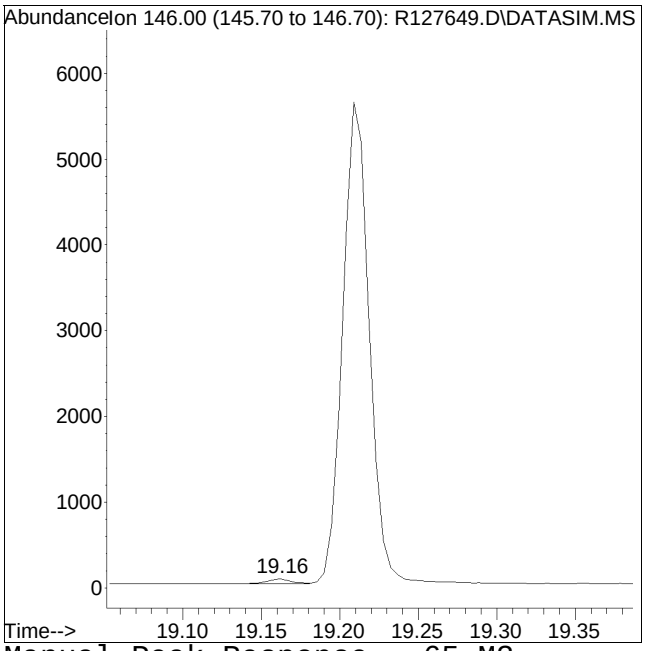
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #71: 1,3-dichlorobenzene





Original Peak Response = 6591 Manual Peak Response = 65 M3

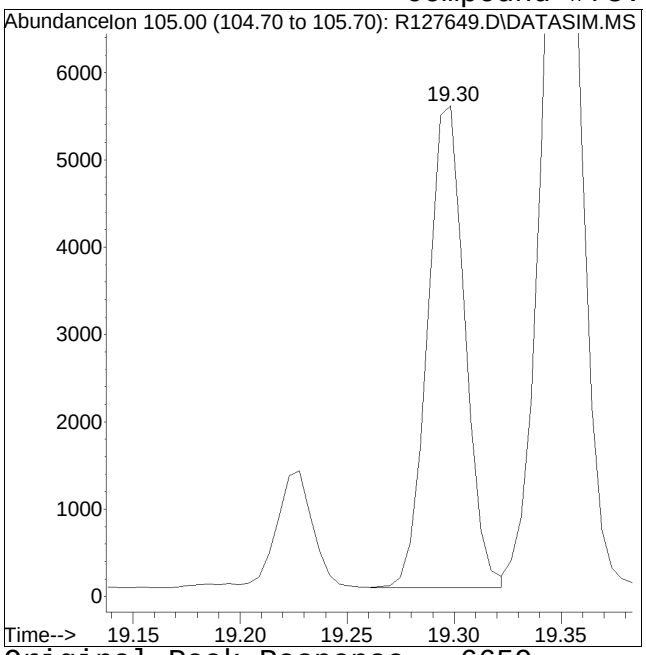
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

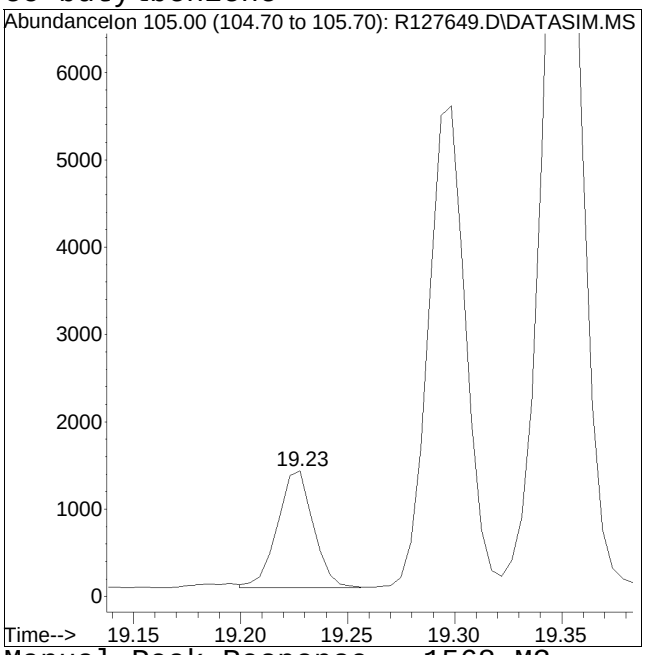
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #73: sec-butylbenzene





Original Peak Response = 6659 Manual Peak Response = 1568 M3

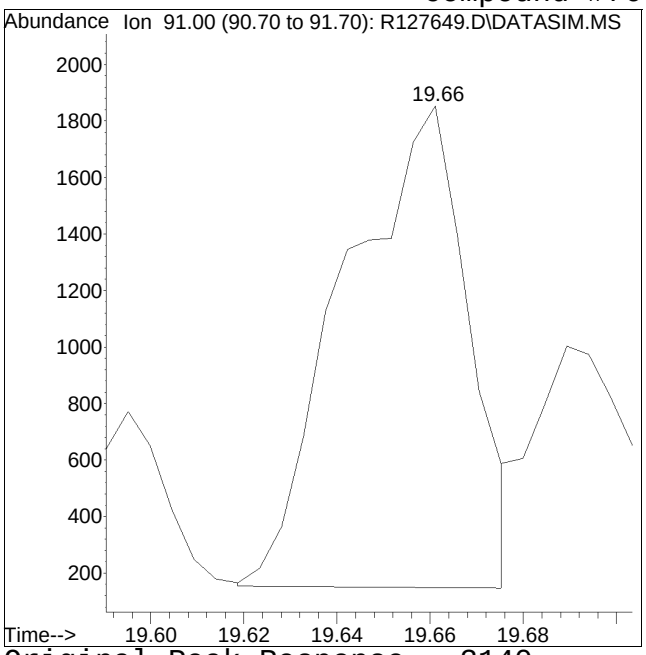
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

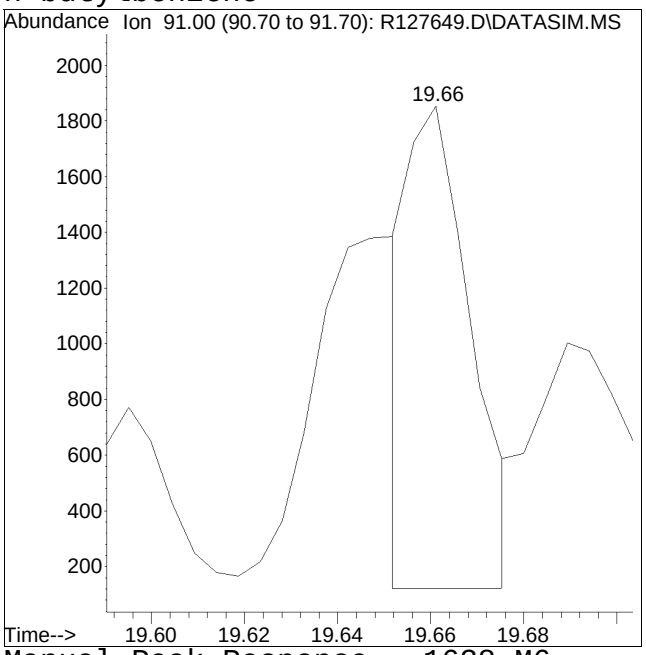
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #76: n-butylbenzene



Original Peak Response = 3140



Manual Peak Response = 1638 M6

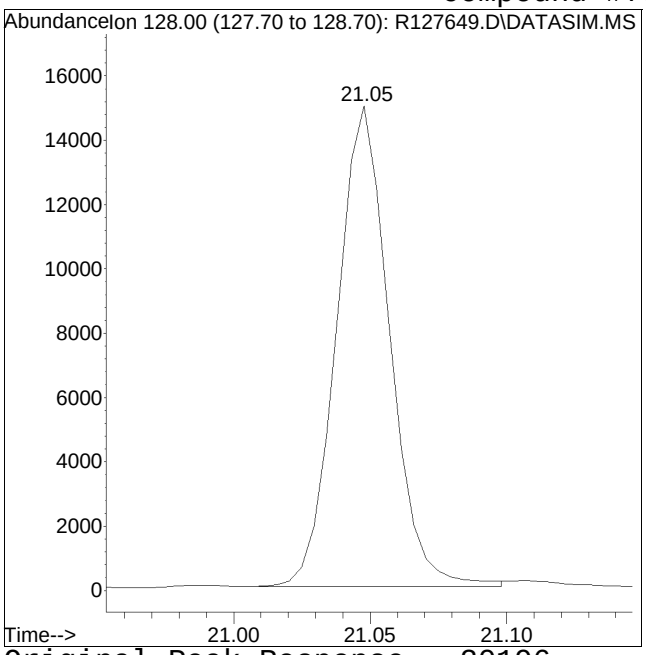
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

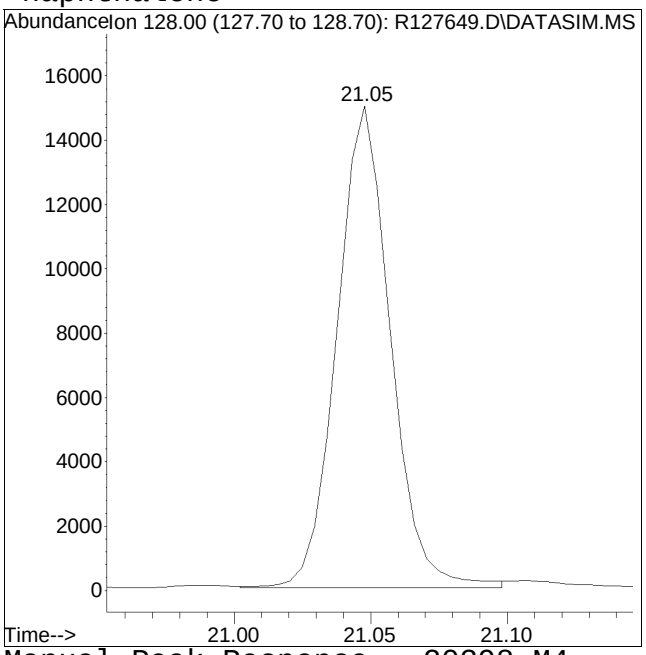
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127649.D
Date Inj'd : 4/12/2013 9:25 pm
Sample : L1306330-14,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #78: naphthalene



Original Peak Response = 20196



Manual Peak Response = 20398 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127650.D
Acq On : 12 Apr 2013 9:57 pm
Operator : AIRPIANO1:MB
Sample : L1306330-15,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 09:47:15 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	234526	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 87.24%			
32) 1,4-difluorobenzene	12.49	114	539791	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.67%			
49) chlorobenzene-D5	16.90	54	133848	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 100.85%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13271	0.437	ppbV	98
4) chloromethane	4.40	50	9353	0.585	ppbV	100
5) Freon-114	4.55	85	513	0.015	ppbV #	94
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91		0	N.D.		
8) bromomethane	5.30	94	134	0.011	ppbV #	53
9) chloroethane	5.55	64	48	0.008	ppbV #	1
12) acetone	6.41	43	108661	4.282	ppbV #	98
13) trichlorofluoromethane	6.62	101	8255	0.226	ppbV	100
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	6114	0.288	ppbV	99
20) Freon 113	7.99	101	1851	0.073	ppbV	97
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.19		0	N.D.		
26) 2-butanone	9.59	43	6567	0.165	ppbV	97
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	327	0.012	ppbV #	82
31) 1,2-dichloroethane	11.28	62	330	0.016	ppbV #	62
35) 1,1,1-trichloroethane	11.56		0	N.D.		
36) benzene	12.08	78	3824	0.090	ppbV	95
37) carbon tetrachloride	12.25	117	1804	0.057	ppbV #	98
39) 1,2-dichloropropane	13.02	63	116	0.006	ppbV #	49
40) bromodichloromethane	13.25		0	N.D.		
42) trichloroethene	13.28		0	N.D.		
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.35		0	N.D.		
47) trans-1,3-dichloropropene	14.86		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127650.D
Acq On : 12 Apr 2013 9:57 pm
Operator : AIRPIANO1:MB
Sample : L1306330-15,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 09:47:15 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

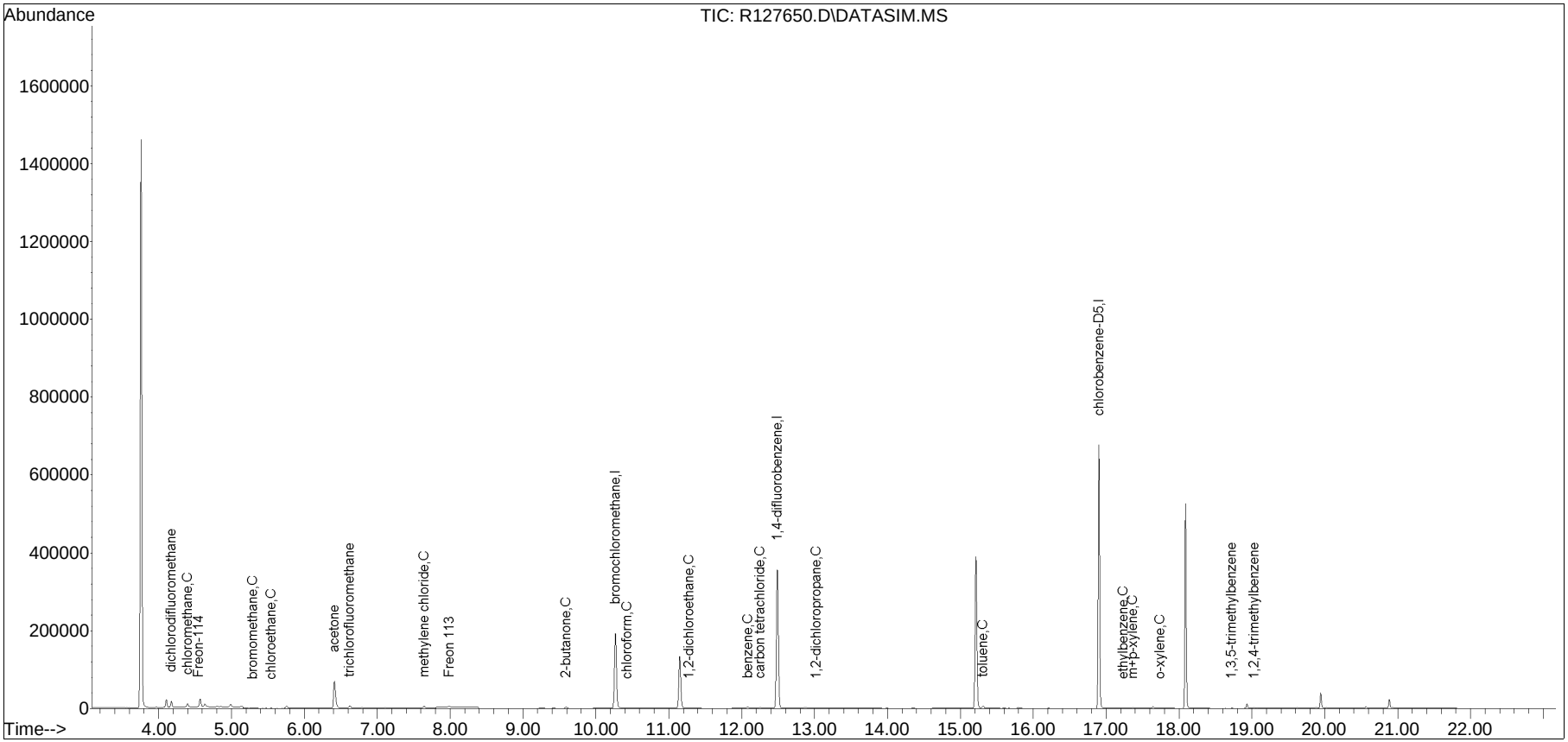
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	5358	0.099	ppbV	100
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.86		0	N.D.		
55) tetrachloroethene	16.37		0	N.D.		
56) 1,1,1,2-tetrachloroethane	16.92		0	N.D.		
57) chlorobenzene	16.93		0	N.D.		
58) ethylbenzene	17.23	91	594	0.009	ppbV #	87
59) m+p-xylene	17.36	91	1324	0.025	ppbV	95
60) bromoform	17.46		0	N.D.		
61) styrene	17.66		0	N.D.		
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.		
63) o-xylene	17.74	91	521	0.009	ppbV	94
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.67		0	N.D.		
67) 1,3,5-trimethylbenzene	18.72	105	340M4	0.005	ppbV	
69) 1,2,4-trimethylbenzene	19.03	105	749	0.011	ppbV #	59
71) 1,3-dichlorobenzene	19.16		0	N.D.		
72) 1,4-dichlorobenzene	19.21		0	N.D.		
73) sec-butylbenzene	19.23		0	N.D.		
74) p-isopropyltoluene	19.35		0	N.D.		
75) 1,2-dichlorobenzene	19.48		0	N.D.		
76) n-butylbenzene	19.67		0	N.D.		
77) 1,2,4-trichlorobenzene	20.92		0	N.D.		
78) naphthalene	21.05		0	N.D.		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.		
80) hexachlorobutadiene	21.36		0	N.D.		

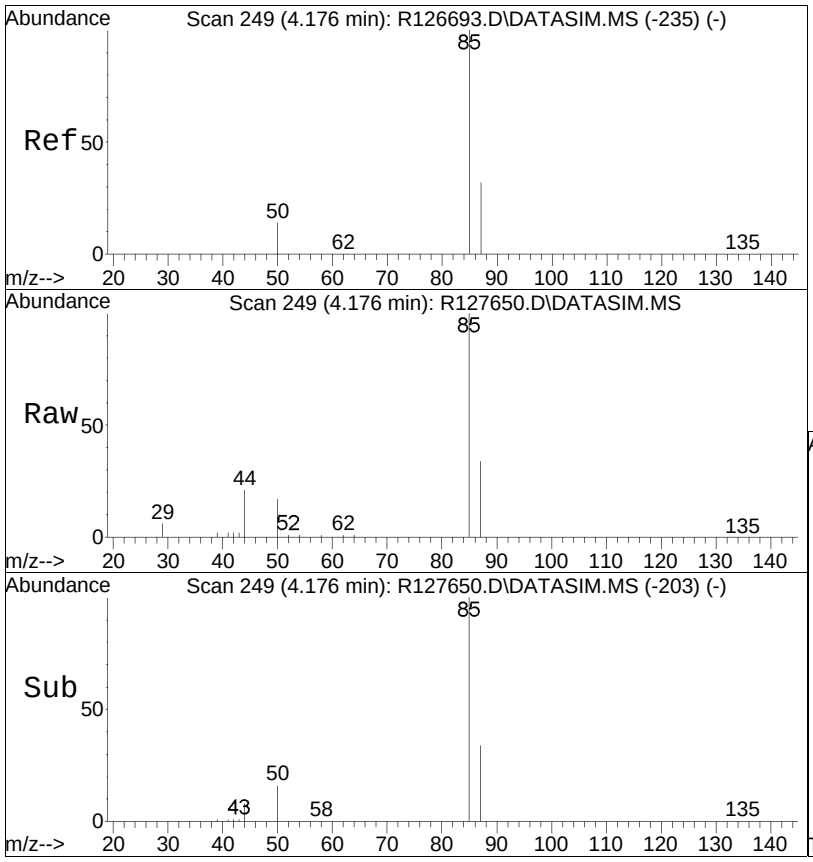
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127650.D
Acq On : 12 Apr 2013 9:57 pm
Operator : AIRPIANO1:MB
Sample : L1306330-15,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 09:47:15 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

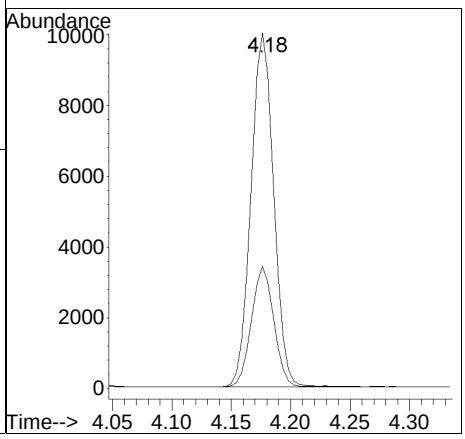


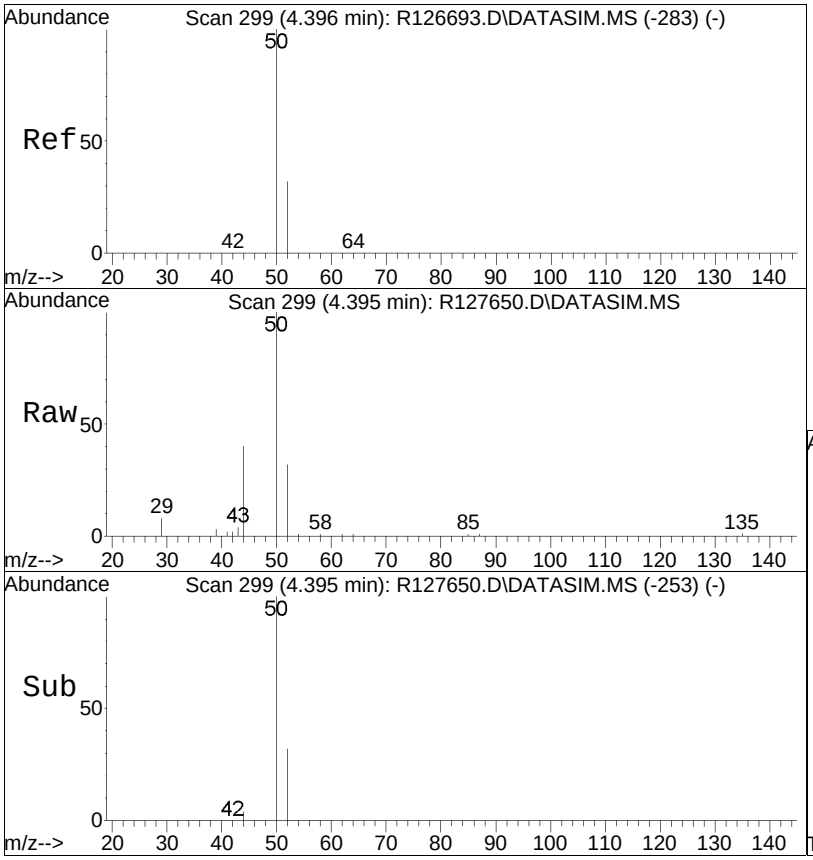


#3
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 85 Resp: 13271

Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.6	40.0

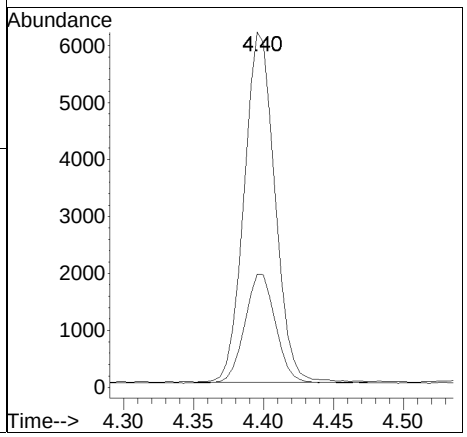


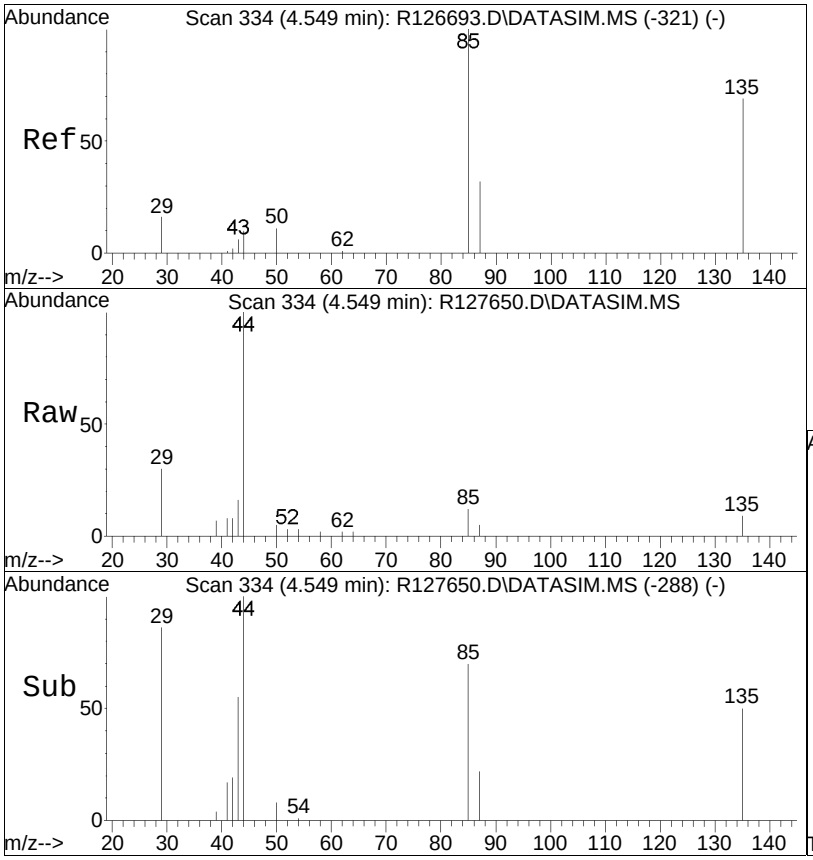


#4
chloromethane
Concen: 0.59 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 50 Resp: 9353

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.3	37.9

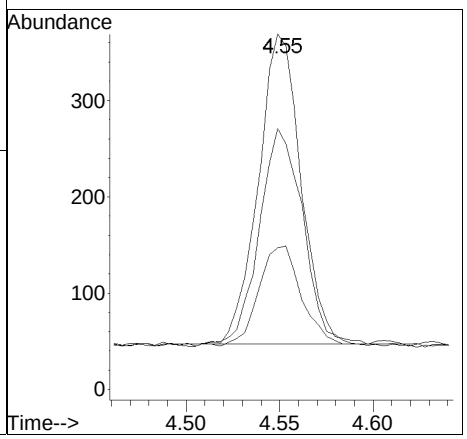


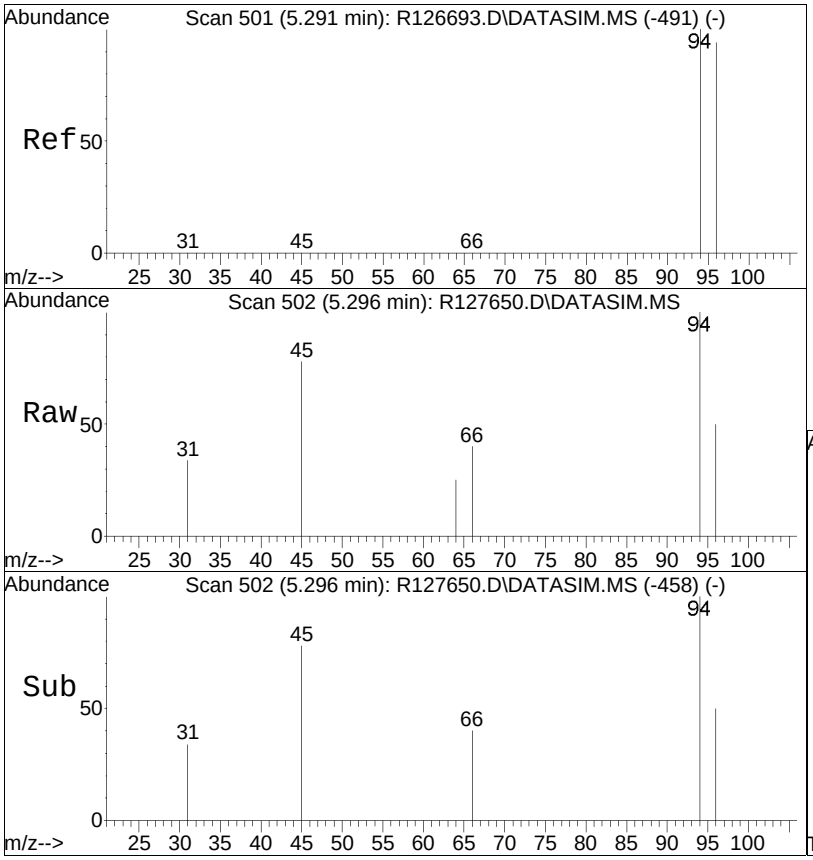


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.55 min Scan# 334
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 85 Resp: 513

Ion	Ratio	Lower	Upper
85	100		
87	39.8	26.5	39.7#
135	73.4	56.9	85.3

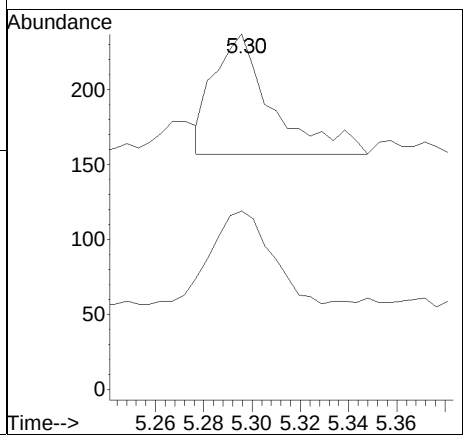


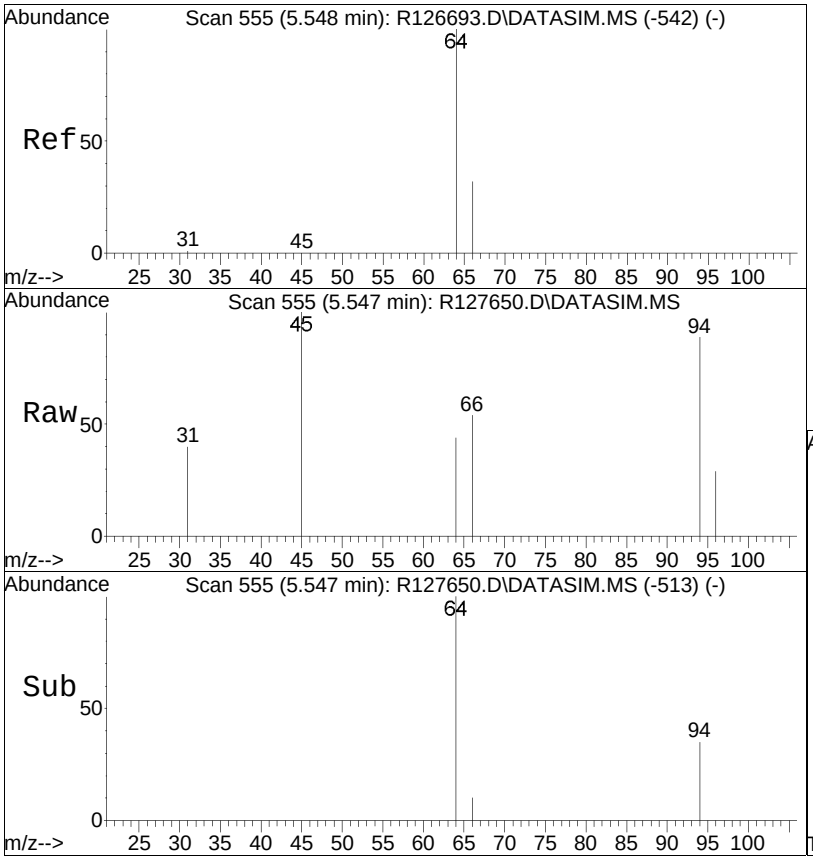


#8
bromomethane
Concen: 0.01 ppbV
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 94 Resp: 134

Ion	Ratio	Lower	Upper
94	100		
96	50.2	76.9	115.3#

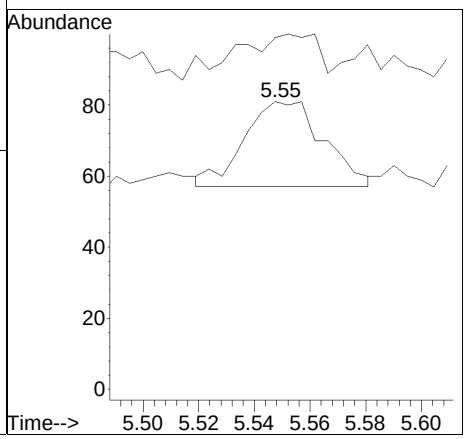


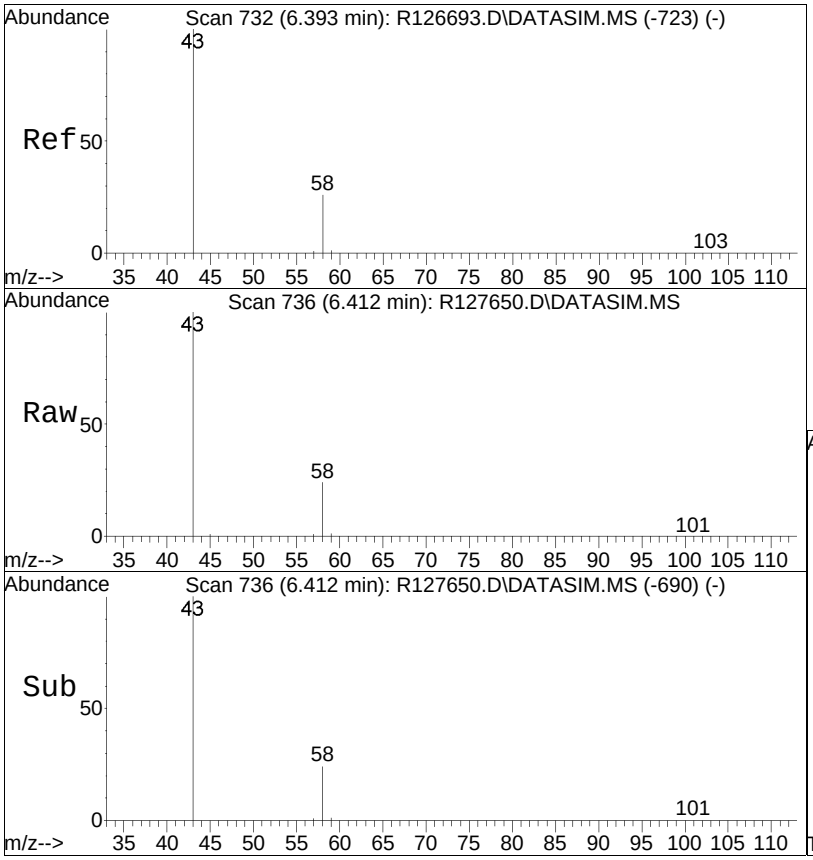


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 555
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 64 Resp: 48

Ion	Ratio	Lower	Upper
64	100		
66	122.2	25.5	38.3#

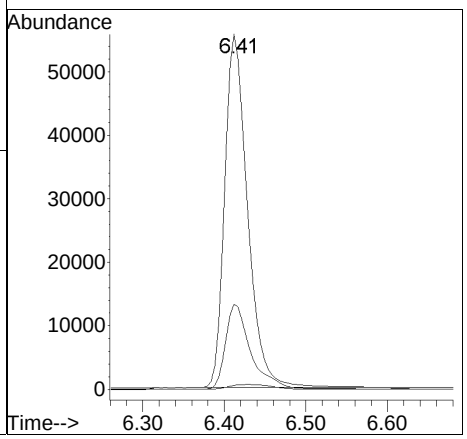


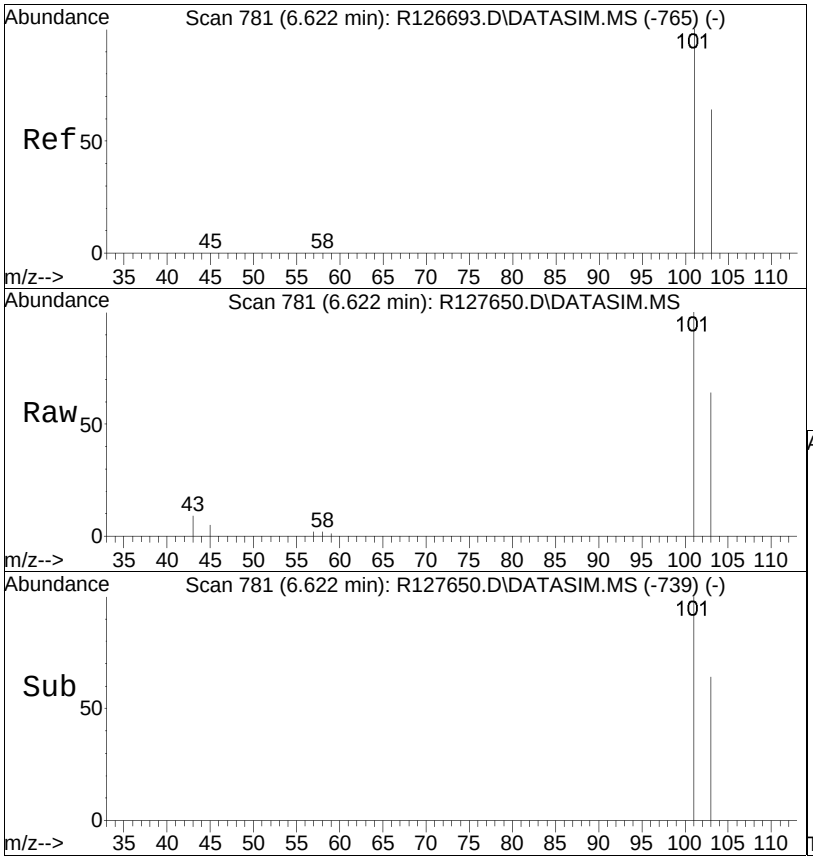


#12
acetone
Concen: 4.28 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 43 Resp: 108661

Ion	Ratio	Lower	Upper
43	100		
58	24.0	20.0	30.0
57	1.1	0.6	1.0#

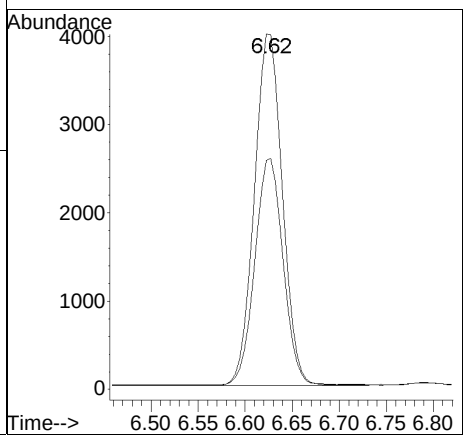


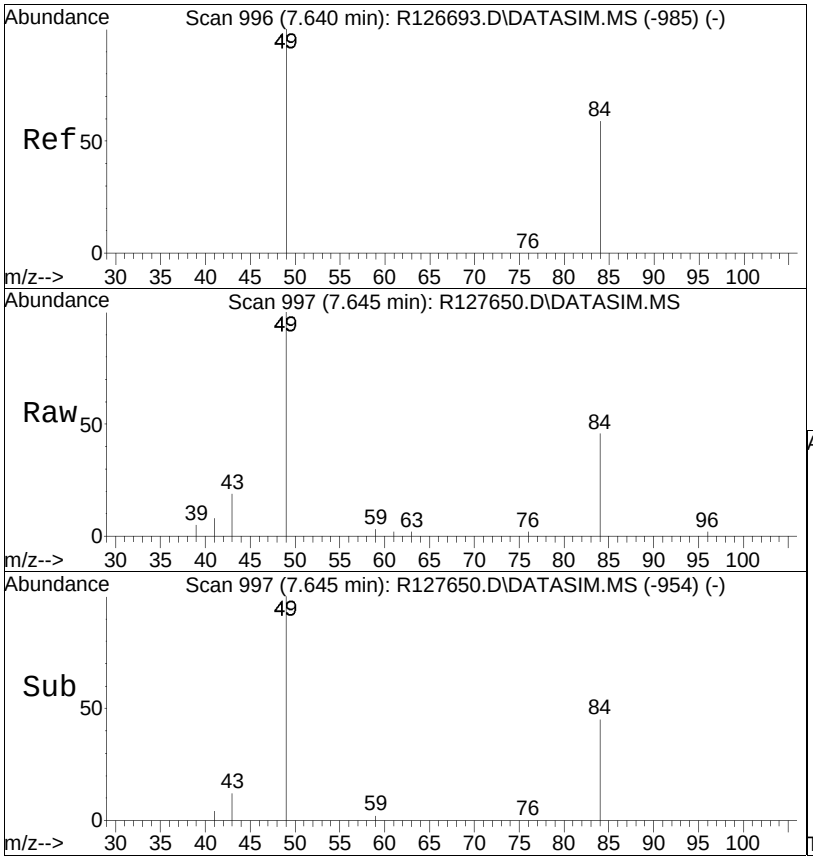


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.62 min Scan# 781
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion:101 Resp: 8255

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

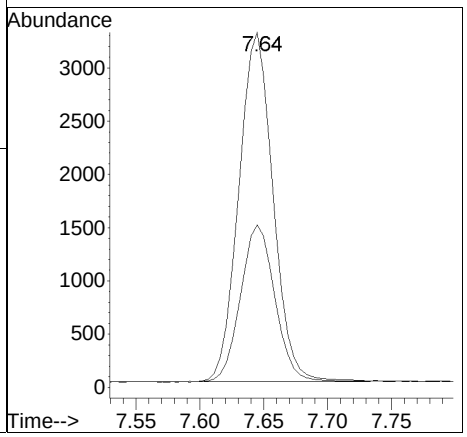


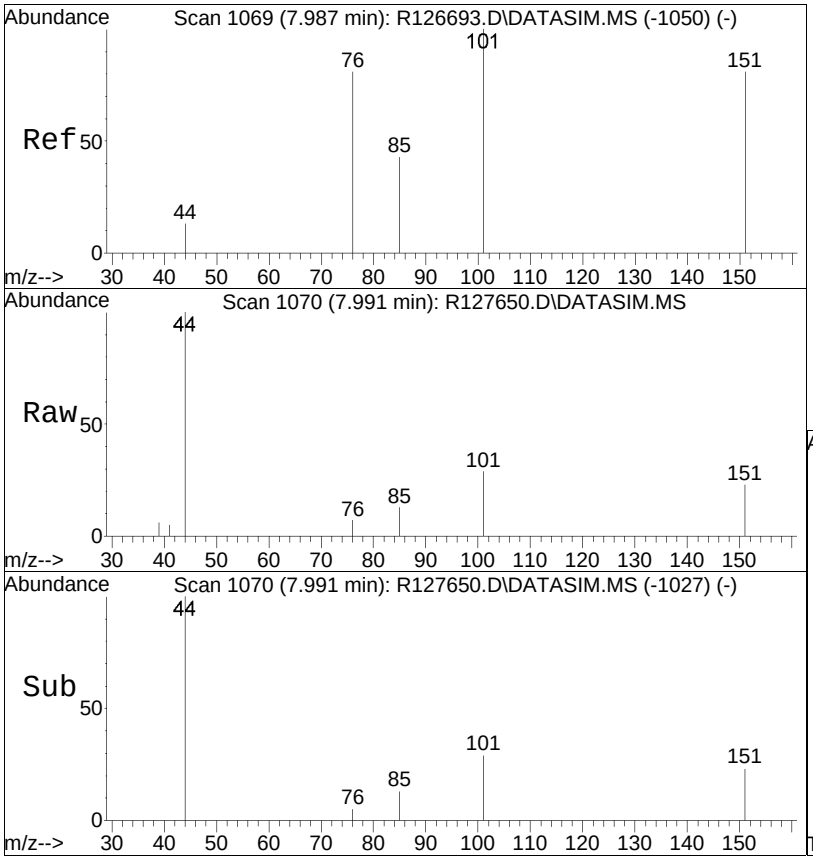


#17
methylene chloride
Concen: 0.29 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 49 Resp: 6114

Ion	Ratio	Lower	Upper
49	100		
84	45.7	37.2	55.8

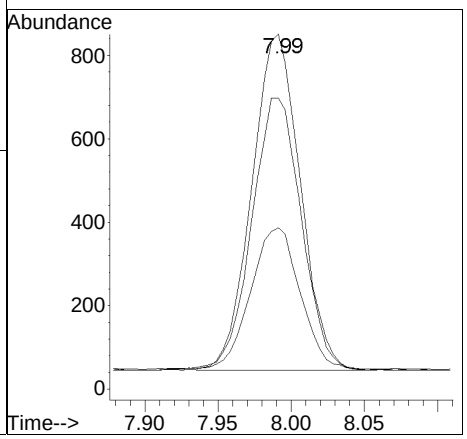


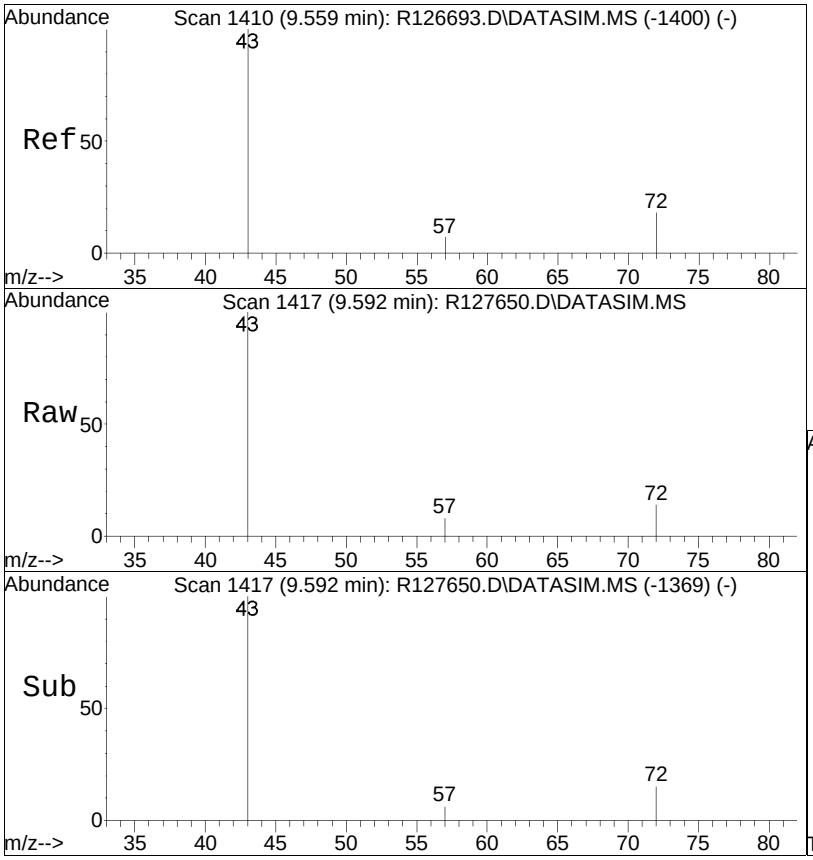


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion:101 Resp: 1851

Ion	Ratio	Lower	Upper
101	100		
85	45.5	34.2	51.2
151	82.0	67.8	101.8

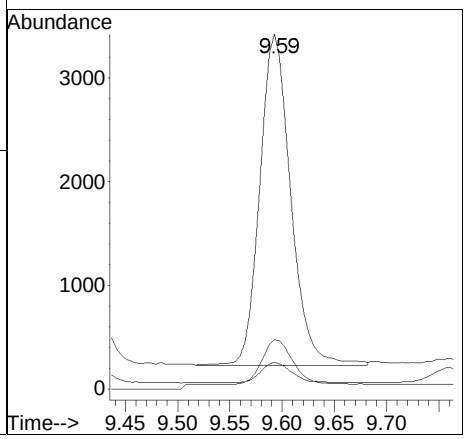


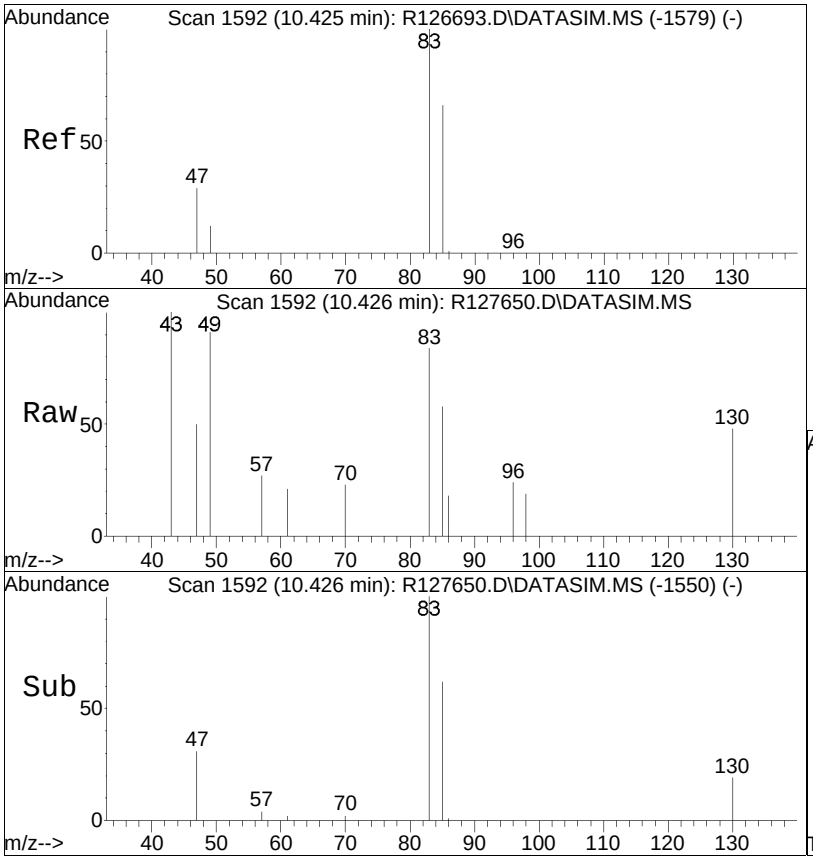


#26
2-butanone
Concen: 0.17 ppbV
RT: 9.59 min Scan# 1417
Delta R.T. 0.028 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 43 Resp: 6567

Ion	Ratio	Lower	Upper
43	100		
72	14.0	12.0	18.0
57	7.6	5.2	7.8

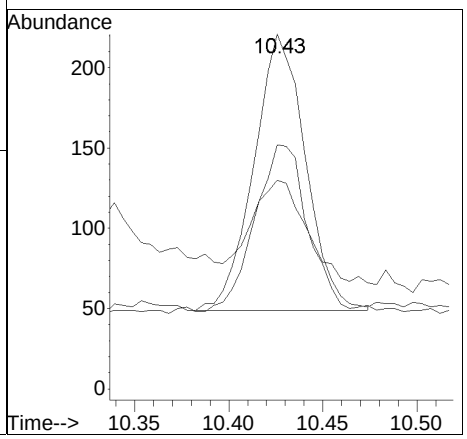


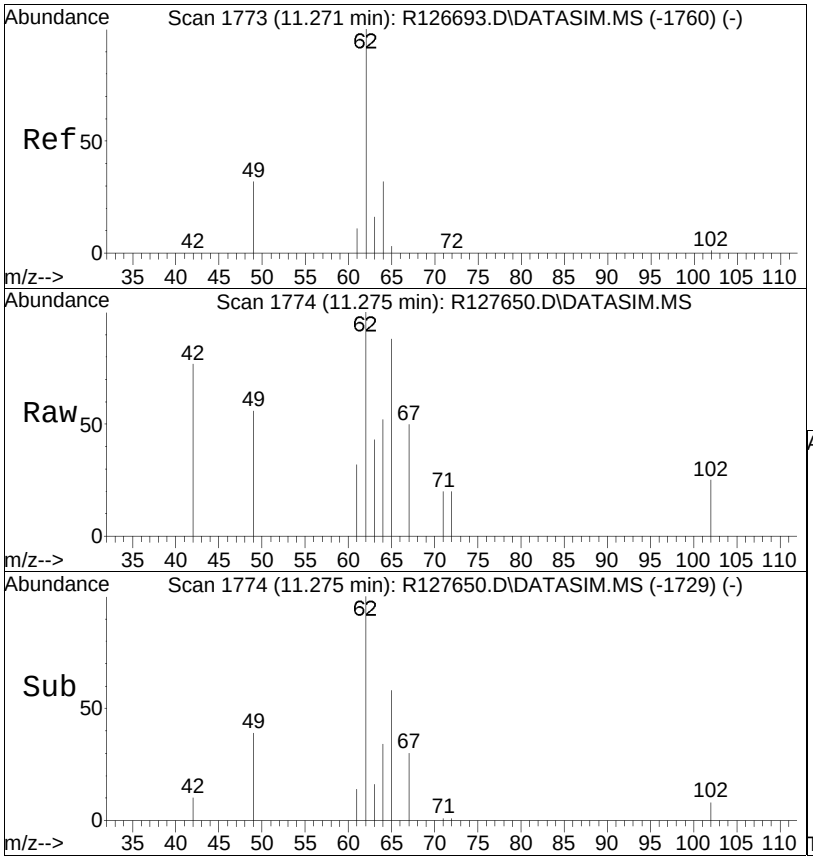


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 83 Resp: 327

Ion	Ratio	Lower	Upper
83	100		
85	68.8	52.2	78.2
47	58.8	26.4	39.6#

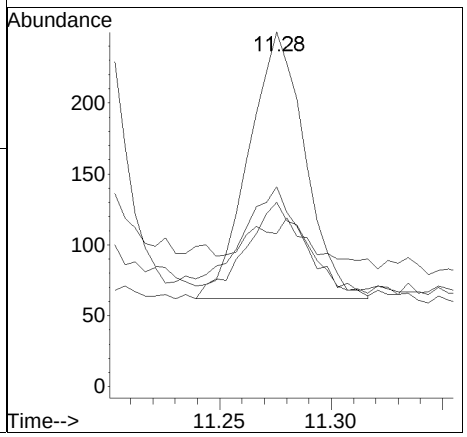


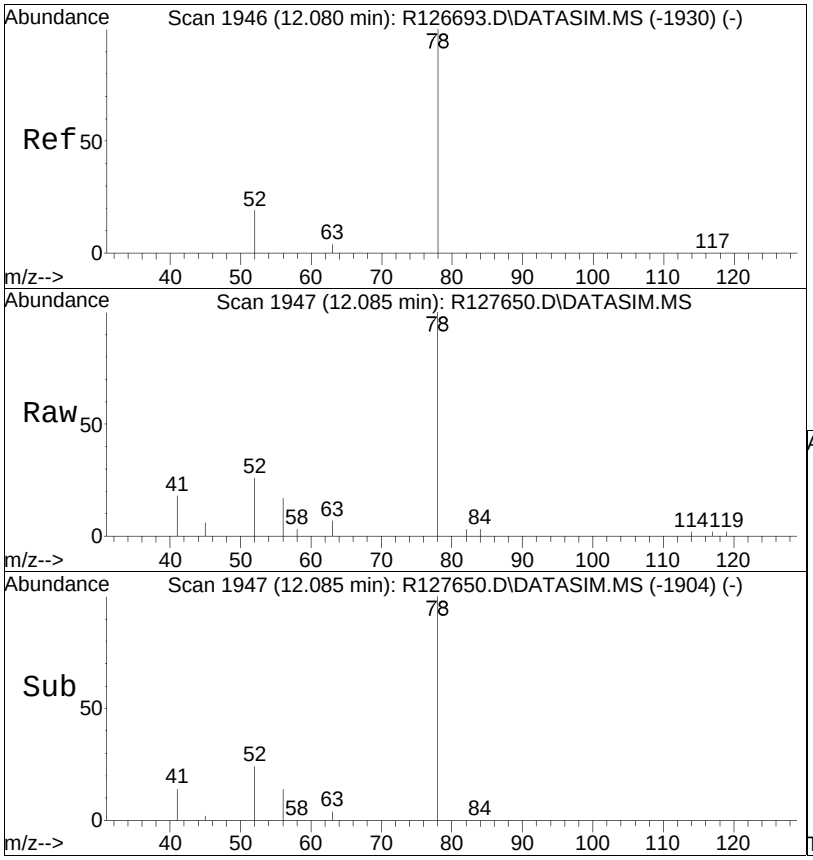


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.004 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 62 Resp: 330

Ion	Ratio	Lower	Upper
62	100		
64	52.0	25.0	37.6#
49	56.4	31.2	46.8#
63	43.2	13.3	19.9#

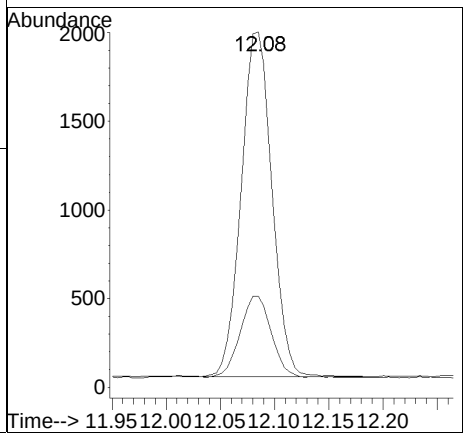


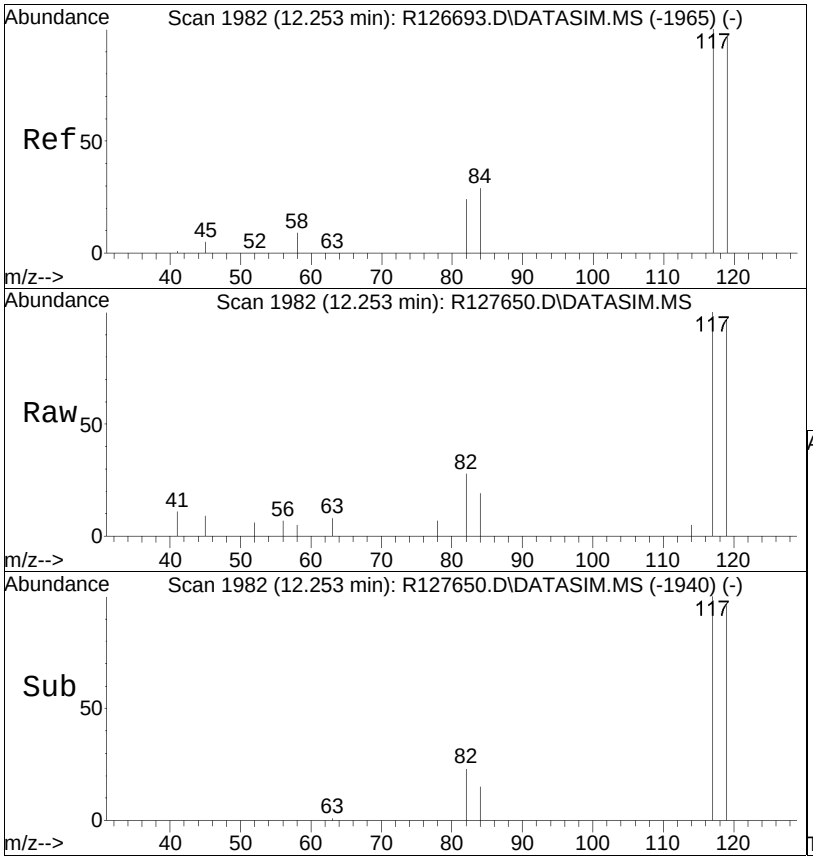


#36
benzene
Concen: 0.09 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 78 Resp: 3824

Ion	Ratio	Lower	Upper
78	100		
52	25.7	18.5	27.7

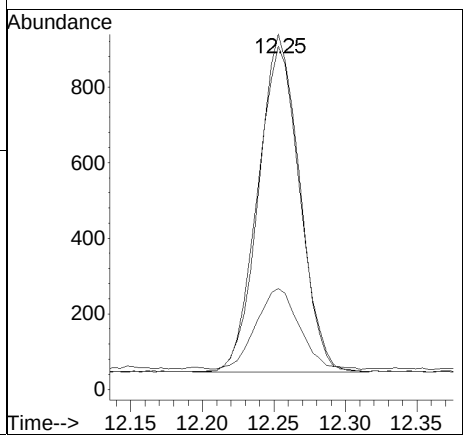


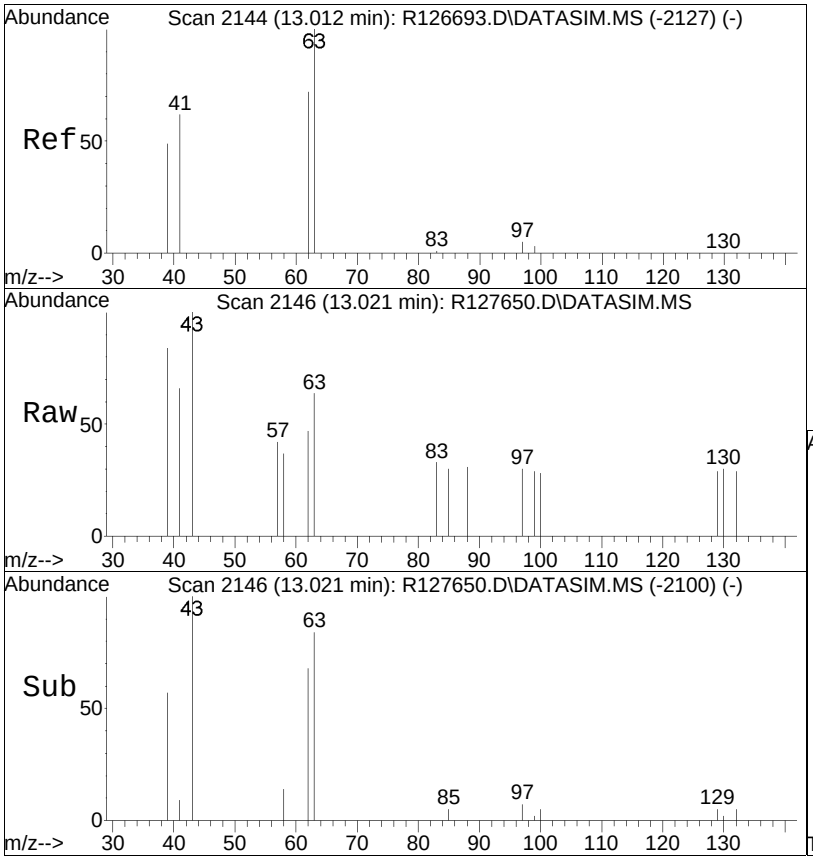


#37
carbon tetrachloride
Concen: 0.06 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion:117 Resp: 1804

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
82	28.4	18.2	27.2#

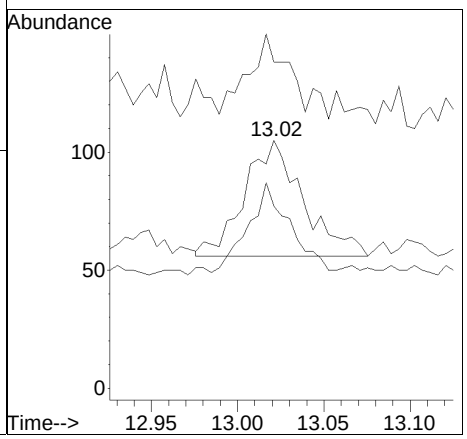


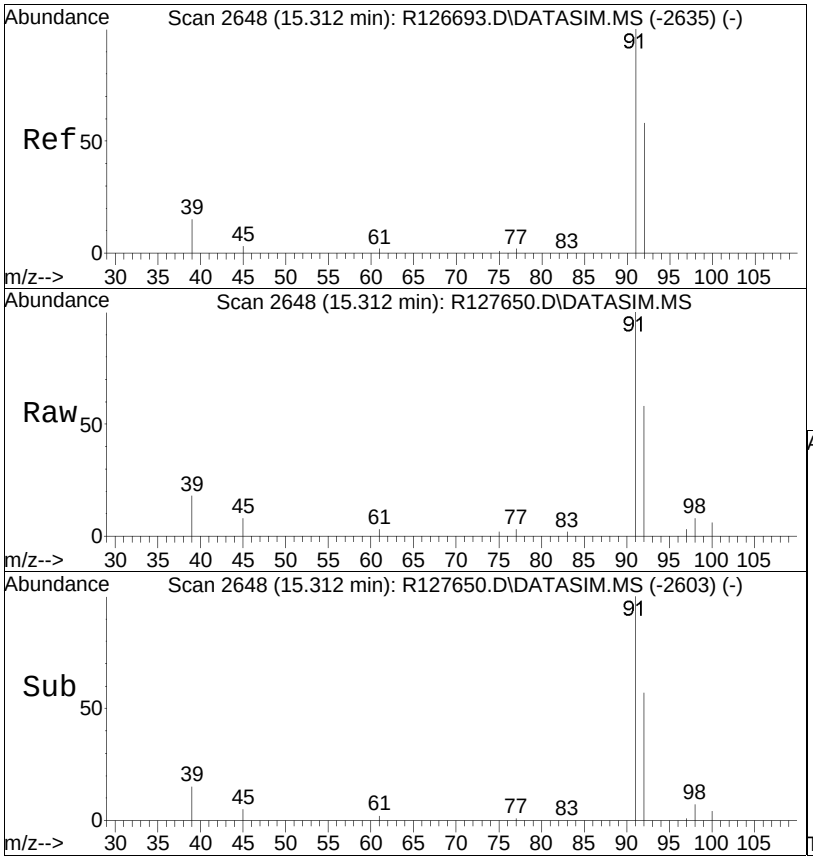


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.02 min Scan# 2146
Delta R.T. 0.009 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 63 Resp: 116

Ion	Ratio	Lower	Upper
63	100		
62	73.3	59.4	89.2
39	131.4	35.9	53.9#

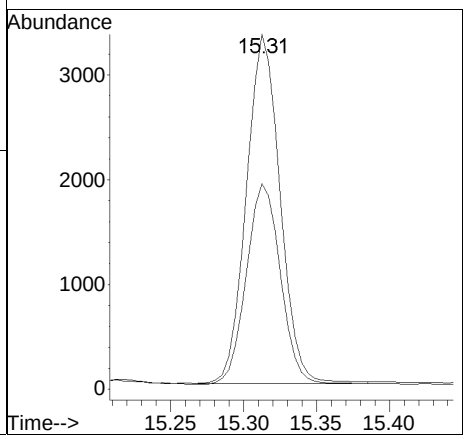


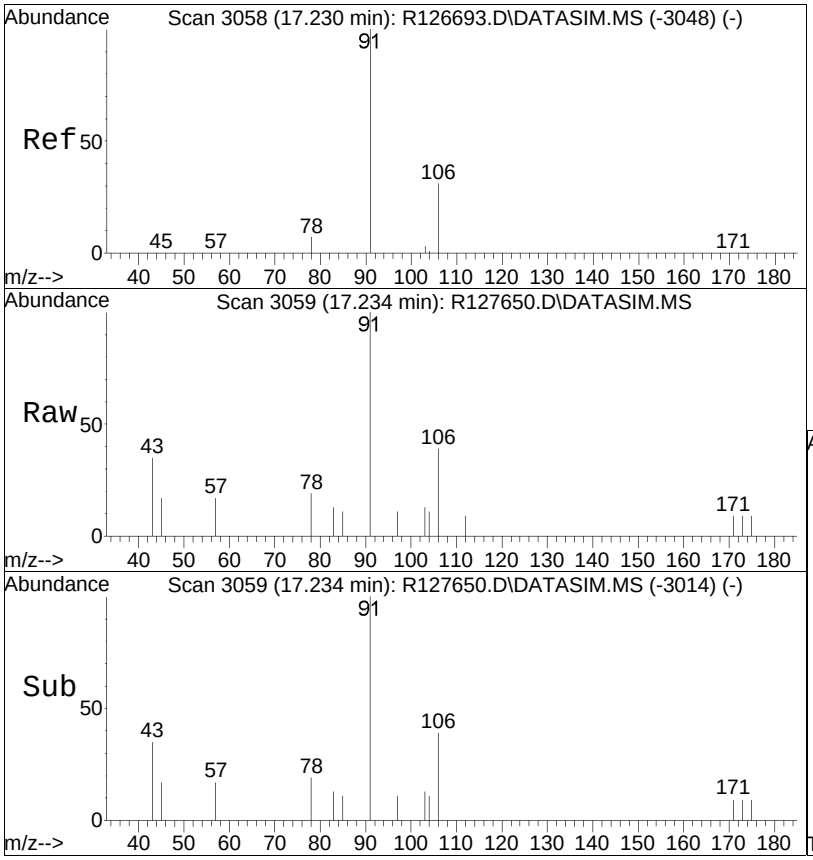


#50
toluene
Concen: 0.10 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 91 Resp: 5358

Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.4	69.6

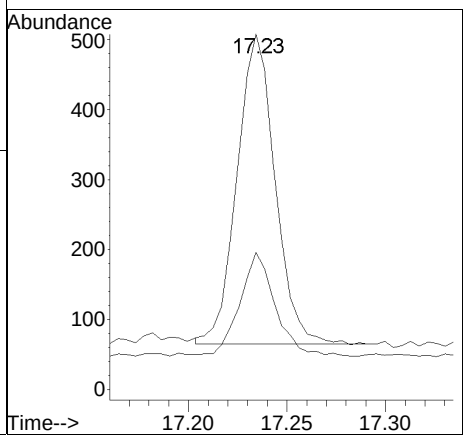


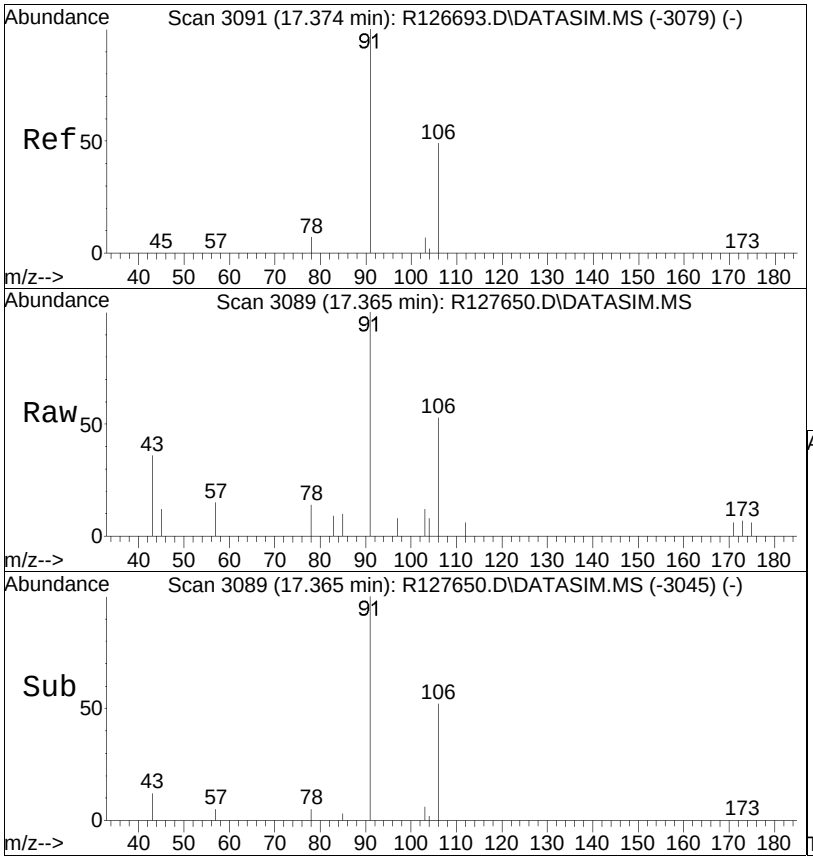


#58
ethylbenzene
Concen: 0.01 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 91 Resp: 594

Ion	Ratio	Lower	Upper
91	100		
106	38.6	25.3	37.9#

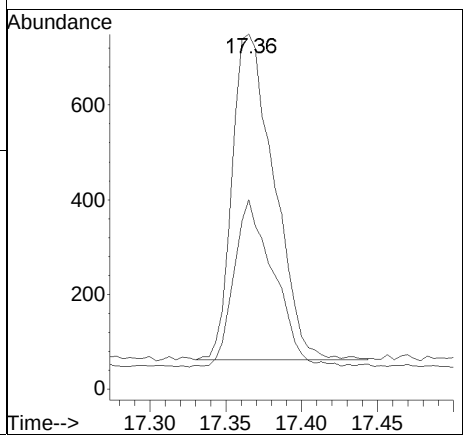


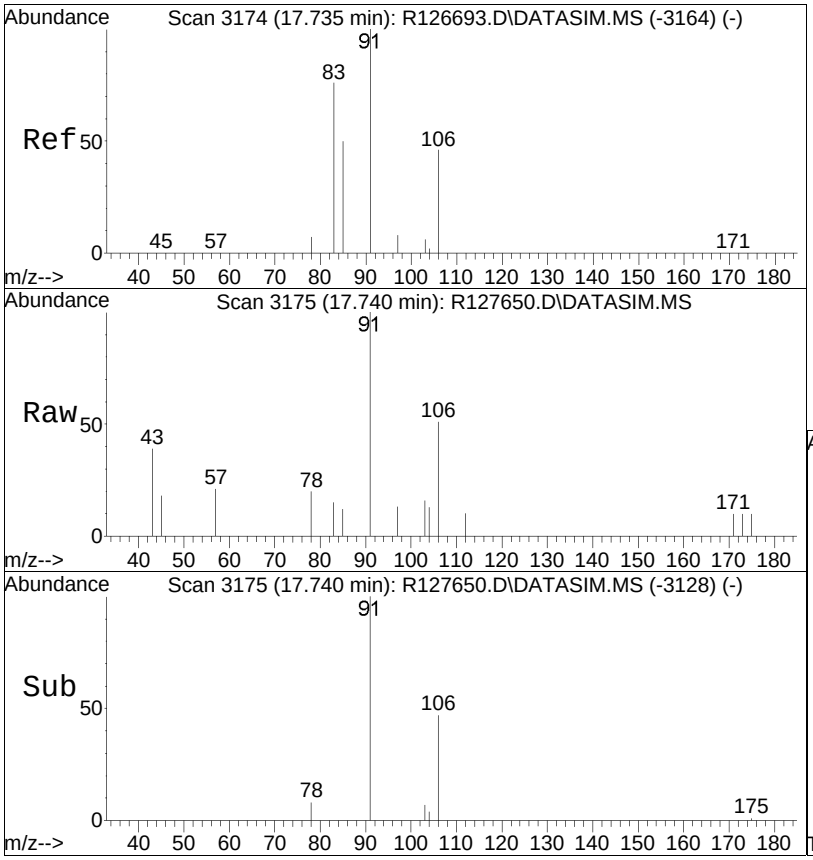


#59
m+p-xylene
Concen: 0.02 ppbV
RT: 17.36 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 91 Resp: 1324

Ion	Ratio	Lower	Upper
91	100		
106	53.3	40.0	60.0

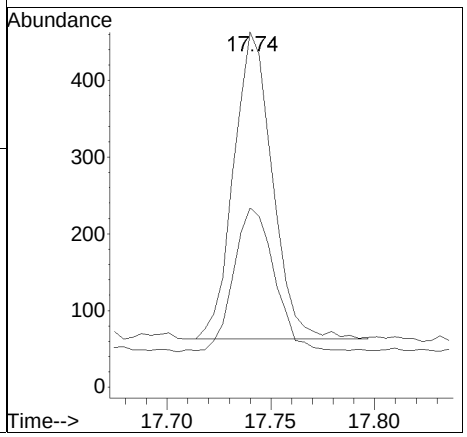


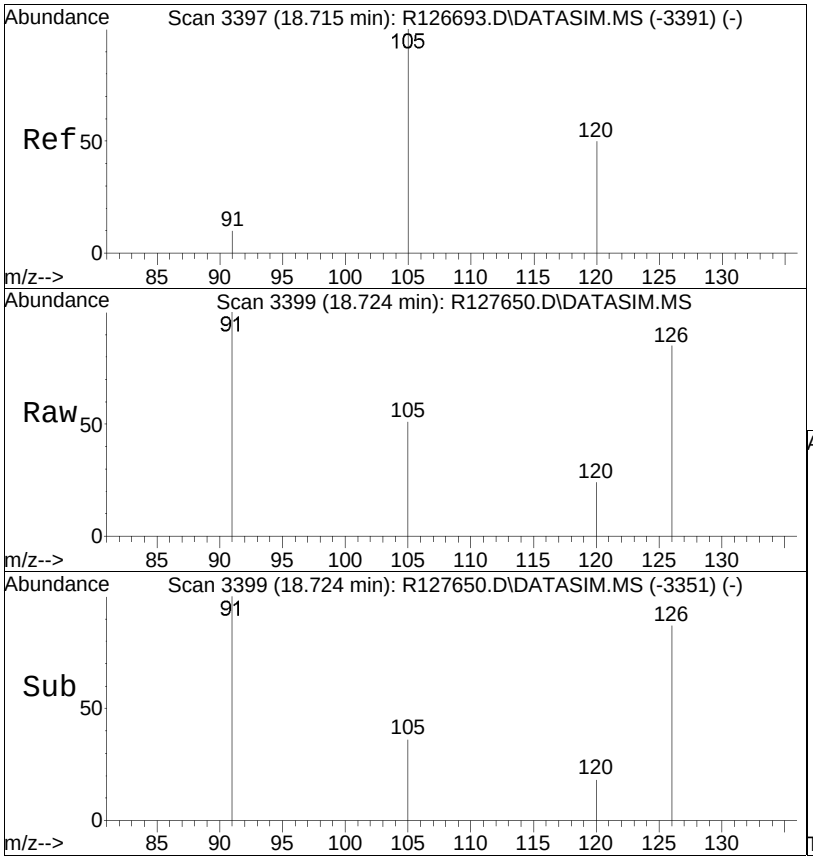


#63
o-xylene
Concen: 0.01 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion: 91 Resp: 521

Ion	Ratio	Lower	Upper
91	100		
106	50.5	37.1	55.7

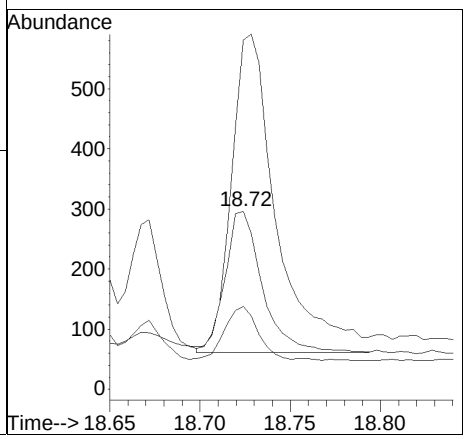


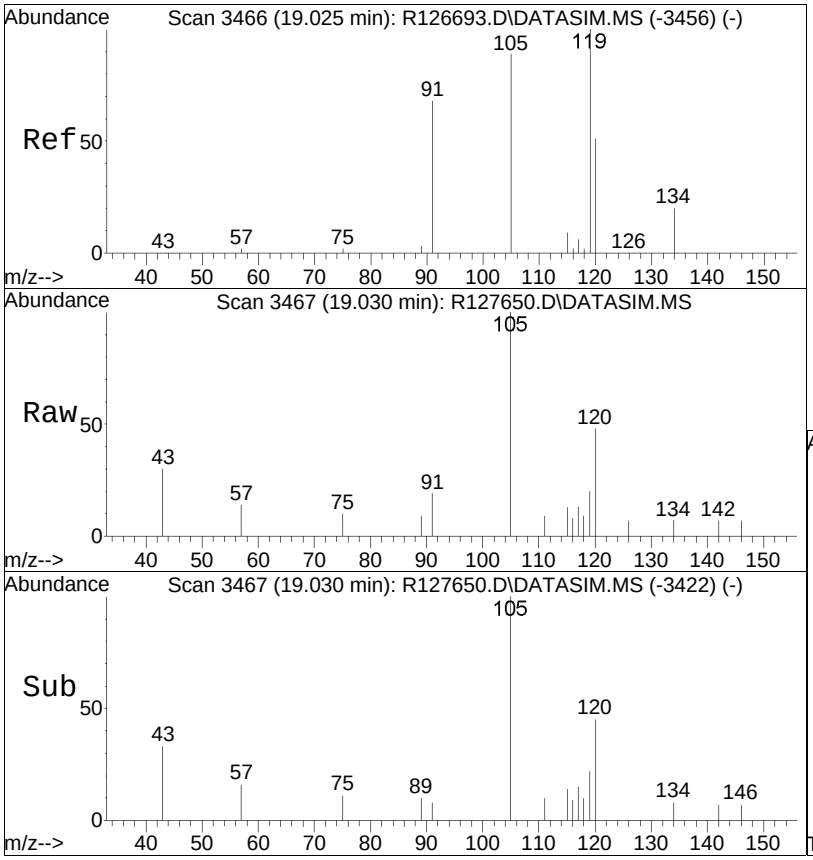


#67
1,3,5-trimethylbenzene
Concen: 0.01 ppbV m
RT: 18.72 min Scan# 3399
Delta R.T. 0.009 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion:105 Resp: 340

Ion	Ratio	Lower	Upper
105	100		
120	46.6	39.0	58.4
91	196.3	8.0	12.0#

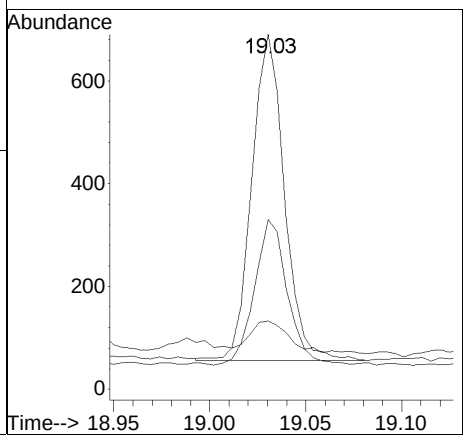




#69
1,2,4-trimethylbenzene
Concen: 0.01 ppbV
RT: 19.03 min Scan# 3467
Delta R.T. 0.005 min
Lab File: R127650.D
Acq: 12 Apr 2013 9:57 pm

Tgt Ion:105 Resp: 749

Ion	Ratio	Lower	Upper
105	100		
120	47.8	44.9	67.3
91	19.2	58.6	88.0#

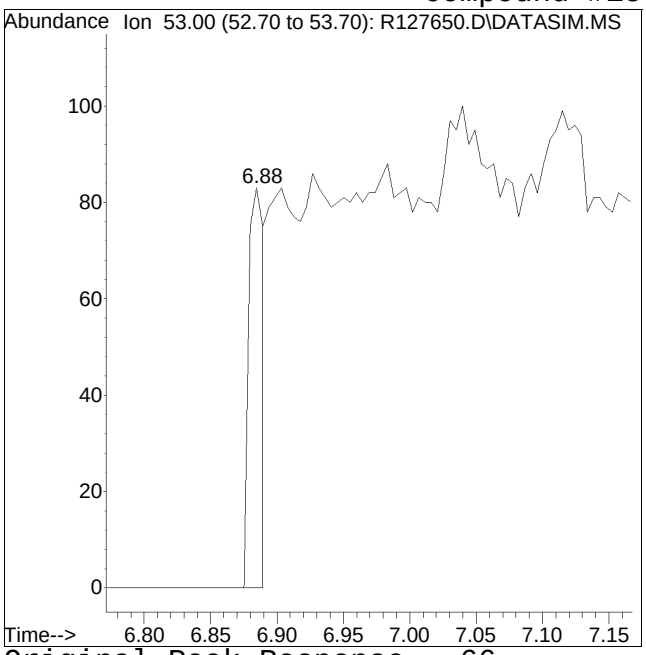


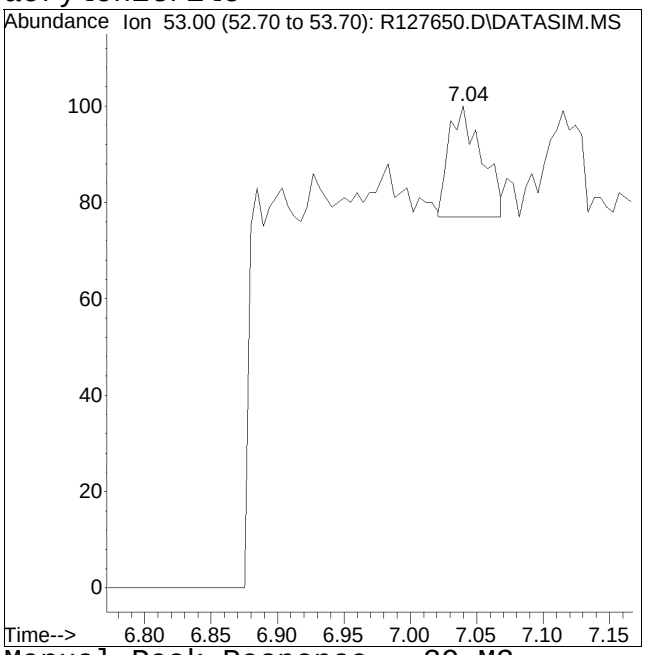
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127650.D
Date Inj'd : 4/12/2013 9:57 pm
Sample : L1306330-15,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #15: acrylonitrile





Original Peak Response = 66 Manual Peak Response = 39 M3

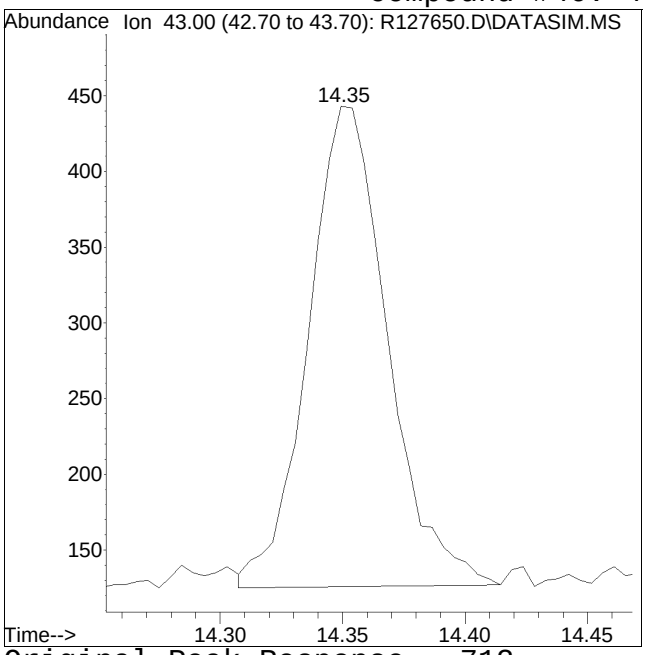
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

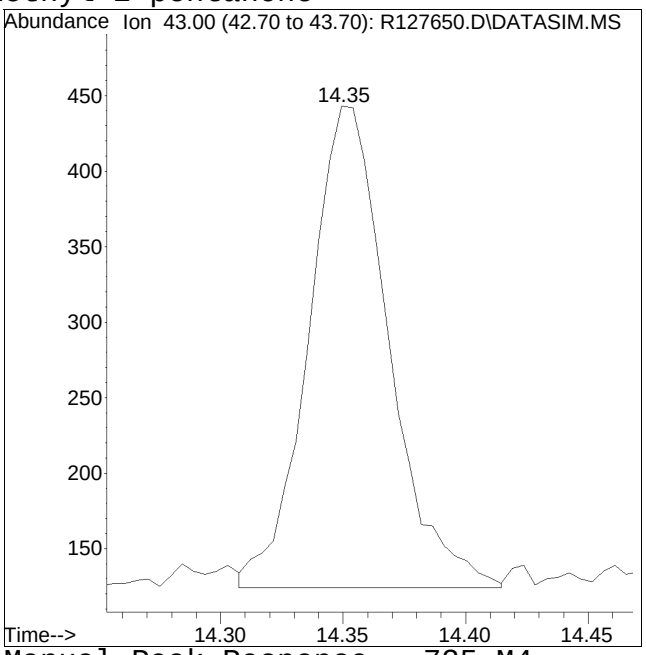
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127650.D
Date Inj'd : 4/12/2013 9:57 pm
Sample : L1306330-15,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 712



Manual Peak Response = 725 M4

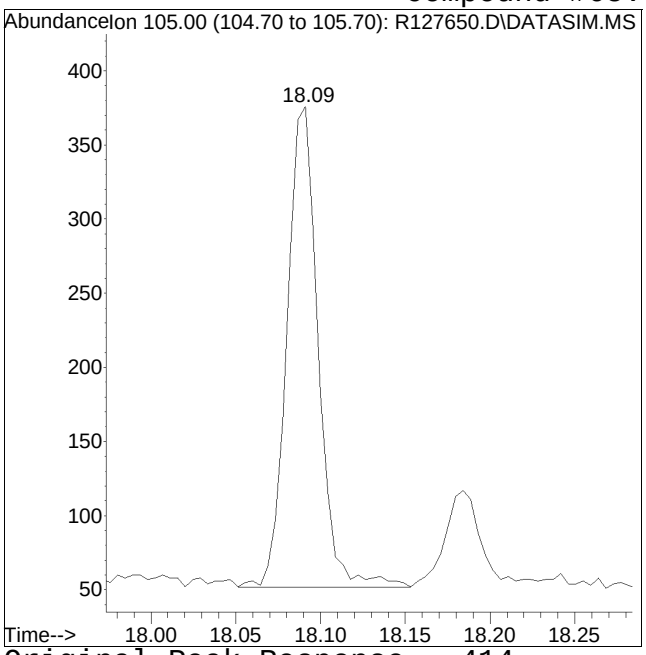
M4 = Poor automated baseline construction.

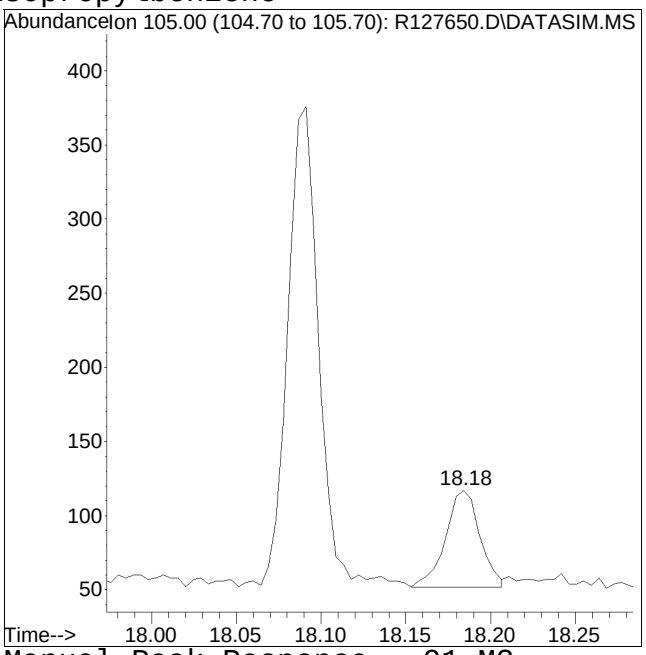
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127650.D
Date Inj'd : 4/12/2013 9:57 pm
Sample : L1306330-15,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #65: isopropylbenzene





Original Peak Response = 414 Manual Peak Response = 91 M3

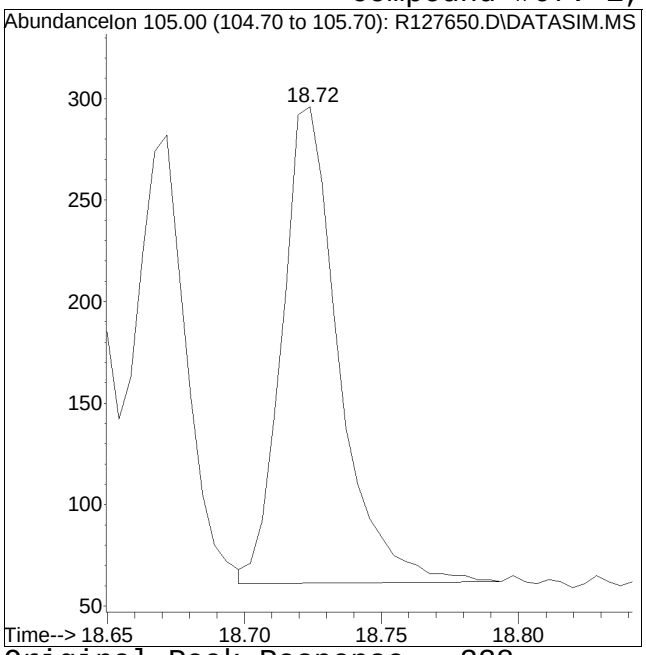
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

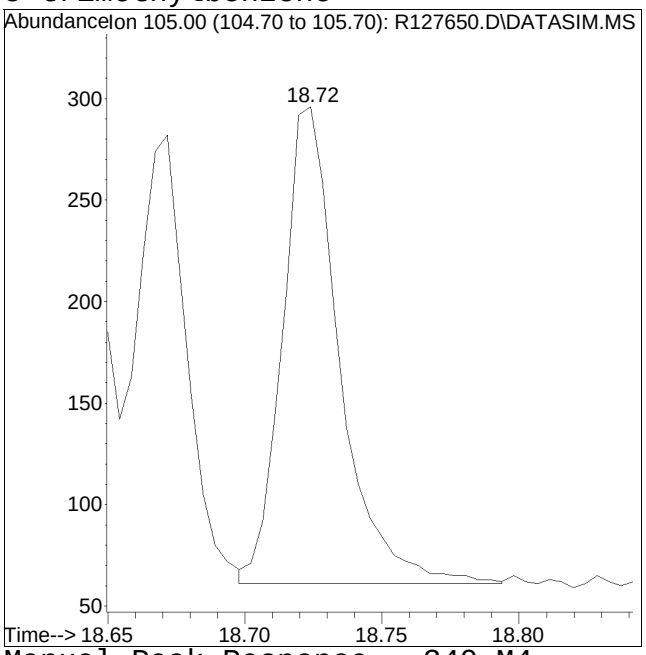
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127650.D
Date Inj'd : 4/12/2013 9:57 pm
Sample : L1306330-15,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #67: 1,3,5-trimethylbenzene



Original Peak Response = 338



Manual Peak Response = 340 M4

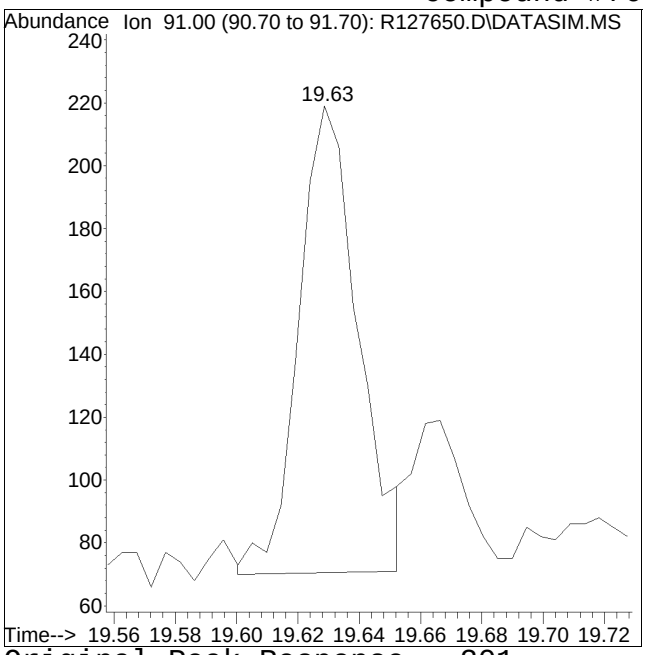
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

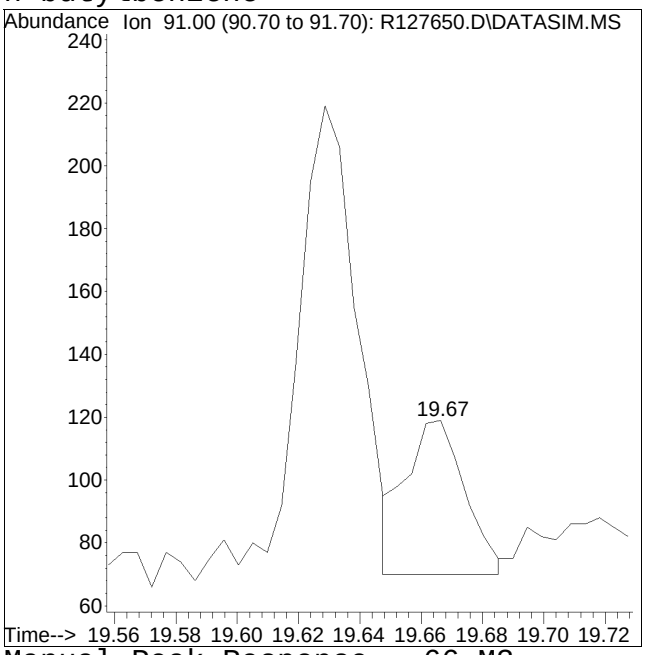
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127650.D
Date Inj'd : 4/12/2013 9:57 pm
Sample : L1306330-15,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 5:59 am

Compound #76: n-butylbenzene



Original Peak Response = 201



Manual Peak Response = 66 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127651.D
Acq On : 12 Apr 2013 10:30 pm
Operator : AIRPIANO1:MB
Sample : L1306330-19,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 09:48:44 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	233219	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 86.76%			
32) 1,4-difluorobenzene	12.49	114	540123	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.73%			
49) chlorobenzene-D5	16.90	54	132281	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 99.67%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13728	0.455	ppbV	99
4) chloromethane	4.40	50	9222	0.581	ppbV	98
5) Freon-114	4.55	85	495	0.015	ppbV #	88
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	138	0.013	ppbV #	38
8) bromomethane	5.29	94	111M3	0.009	ppbV	
9) chloroethane	5.55		0	N.D.		
12) acetone	6.41	43	116877	4.632	ppbV #	98
13) trichlorofluoromethane	6.62	101	8339	0.230	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	5407	0.256	ppbV	98
20) Freon 113	7.99	101	1845	0.073	ppbV	97
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	9.19		0	N.D.		
26) 2-butanone	9.59	43	20077	0.508	ppbV	98
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	355	0.013	ppbV #	84
31) 1,2-dichloroethane	11.28	62	399	0.019	ppbV #	65
35) 1,1,1-trichloroethane	11.56		0	N.D.		
36) benzene	12.09	78	5915	0.139	ppbV	95
37) carbon tetrachloride	12.25	117	1808	0.057	ppbV #	98
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	13.22		0	N.D.		
42) trichloroethene	13.28		0	N.D.		
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.35		0	N.D.		
47) trans-1,3-dichloropropene	14.85		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127651.D
Acq On : 12 Apr 2013 10:30 pm
Operator : AIRPIANO1:MB
Sample : L1306330-19,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 09:48:44 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

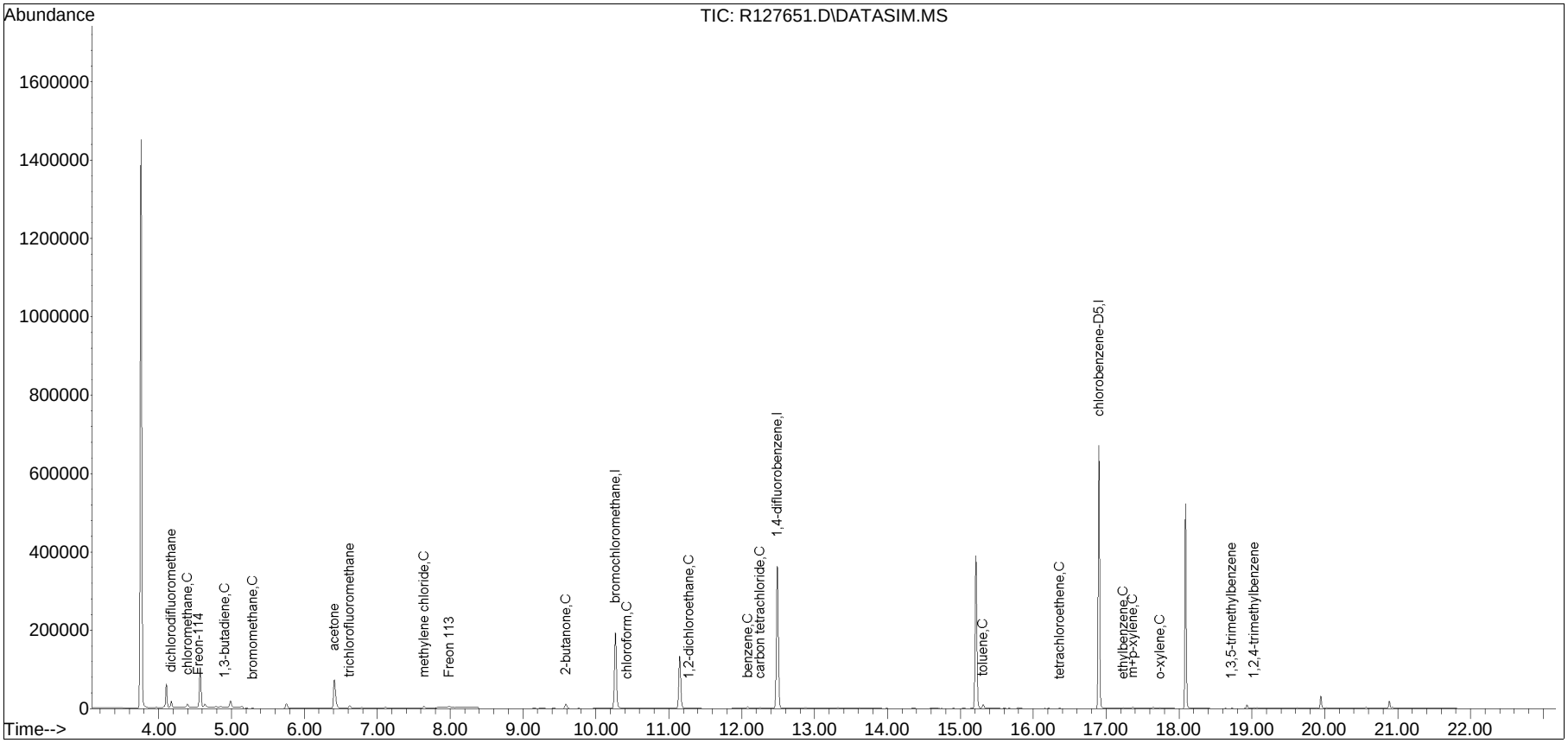
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	8431	0.157	ppbV	100
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.86		0	N.D.		
55) tetrachloroethene	16.36	166	953	0.034	ppbV #	90
56) 1,1,1,2-tetrachloroethane	16.92		0	N.D.		
57) chlorobenzene	16.94		0	N.D.		
58) ethylbenzene	17.23	91	1499	0.022	ppbV	97
59) m+p-xylene	17.37	91	3207	0.060	ppbV	98
60) bromoform	17.46		0	N.D.		
61) styrene	17.67		0	N.D.		
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.		
63) o-xylene	17.74	91	1253	0.023	ppbV	97
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.67		0	N.D.		
67) 1,3,5-trimethylbenzene	18.72	105	415	0.006	ppbV #	46
69) 1,2,4-trimethylbenzene	19.03	105	1068	0.016	ppbV #	57
71) 1,3-dichlorobenzene	19.16		0	N.D.		
72) 1,4-dichlorobenzene	19.21		0	N.D.		
73) sec-butylbenzene	19.23		0	N.D.		
74) p-isopropyltoluene	19.35		0	N.D.		
75) 1,2-dichlorobenzene	19.48		0	N.D.		
76) n-butylbenzene	19.67		0	N.D.		
77) 1,2,4-trichlorobenzene	20.93		0	N.D.		
78) naphthalene	21.05		0	N.D.		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.		
80) hexachlorobutadiene	21.36		0	N.D.		

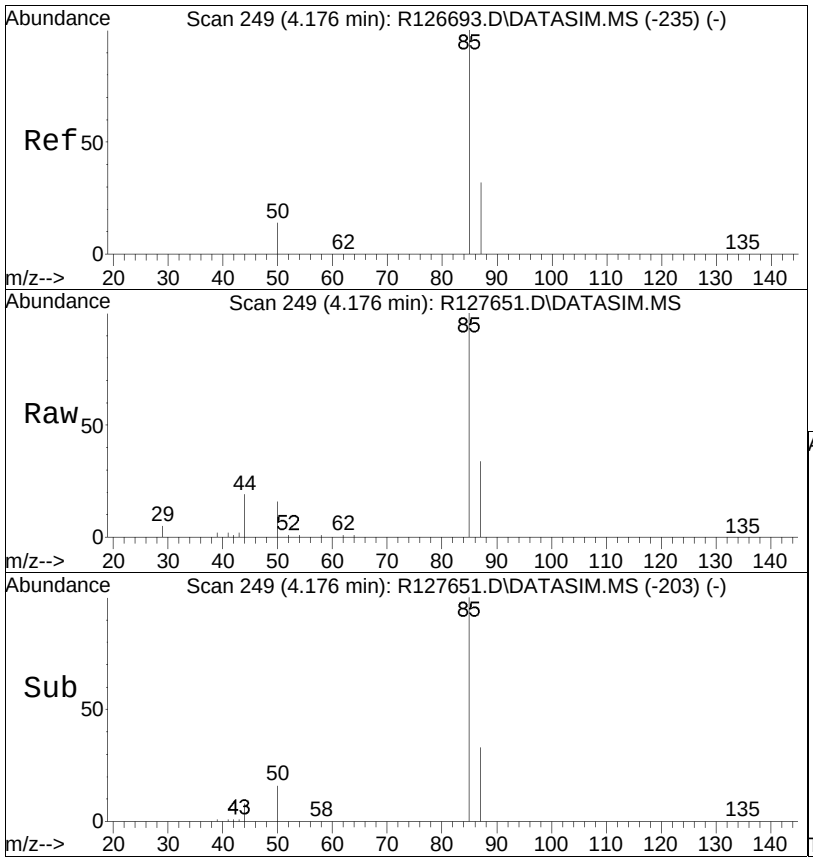
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127651.D
Acq On : 12 Apr 2013 10:30 pm
Operator : AIRPIANO1:MB
Sample : L1306330-19,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 09:48:44 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

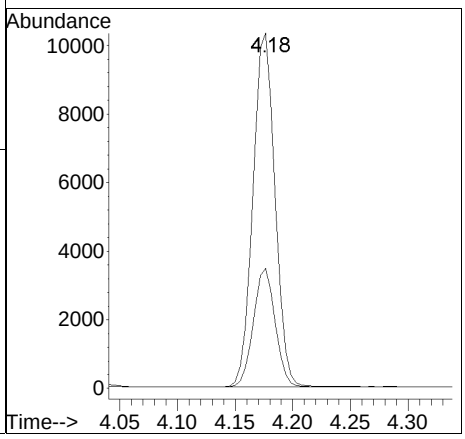


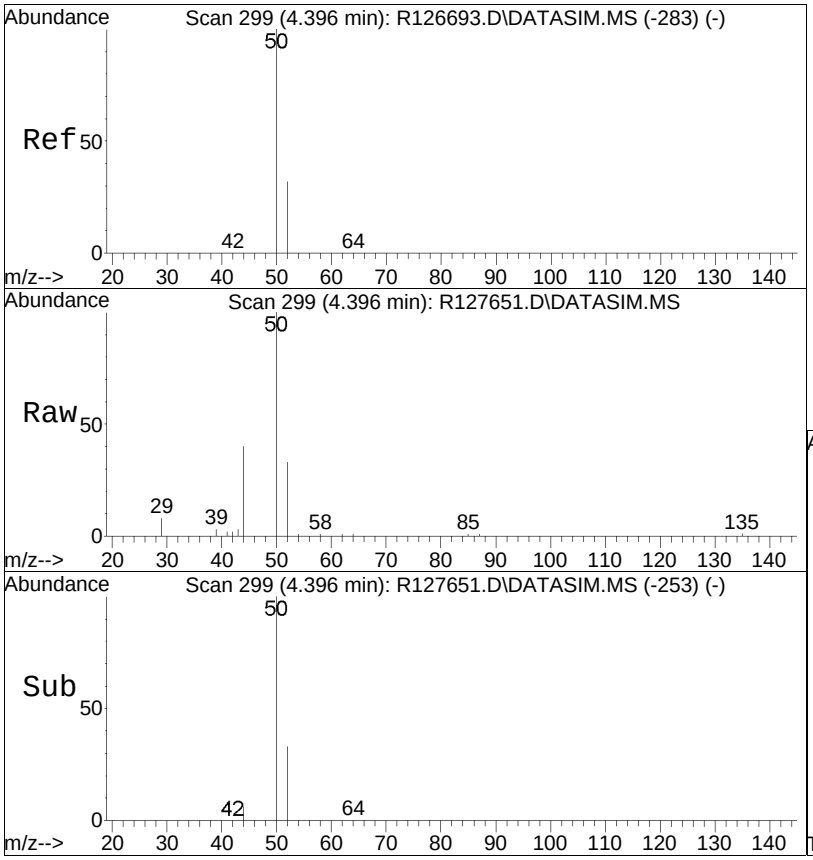


#3
dichlorodifluoromethane
Concen: 0.45 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 85 Resp: 13728

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.6	40.0

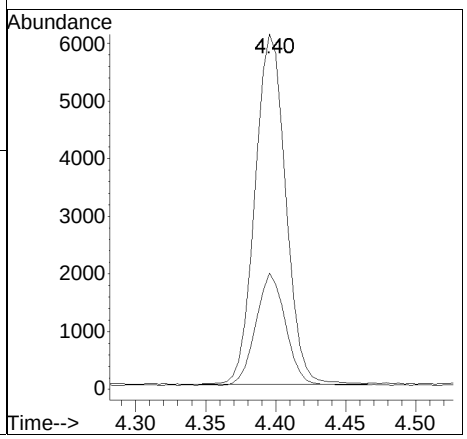


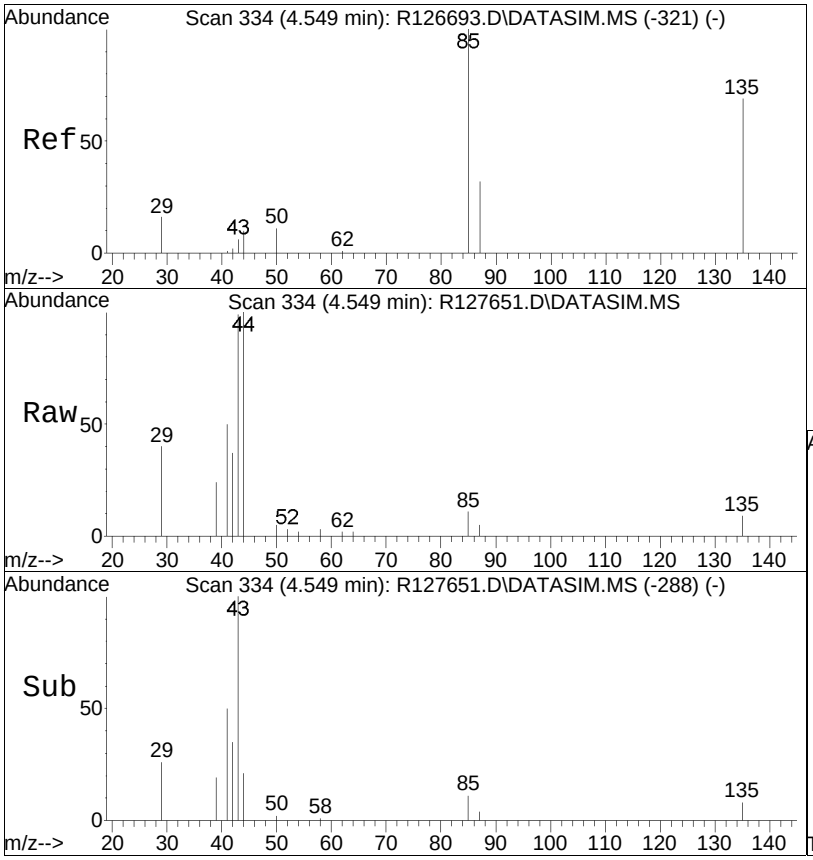


#4
chloromethane
Concen: 0.58 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 50 Resp: 9222

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.3	37.9

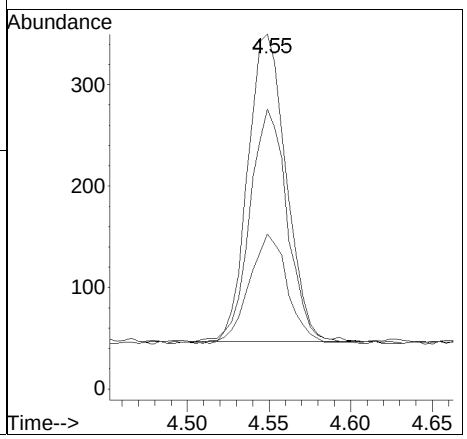


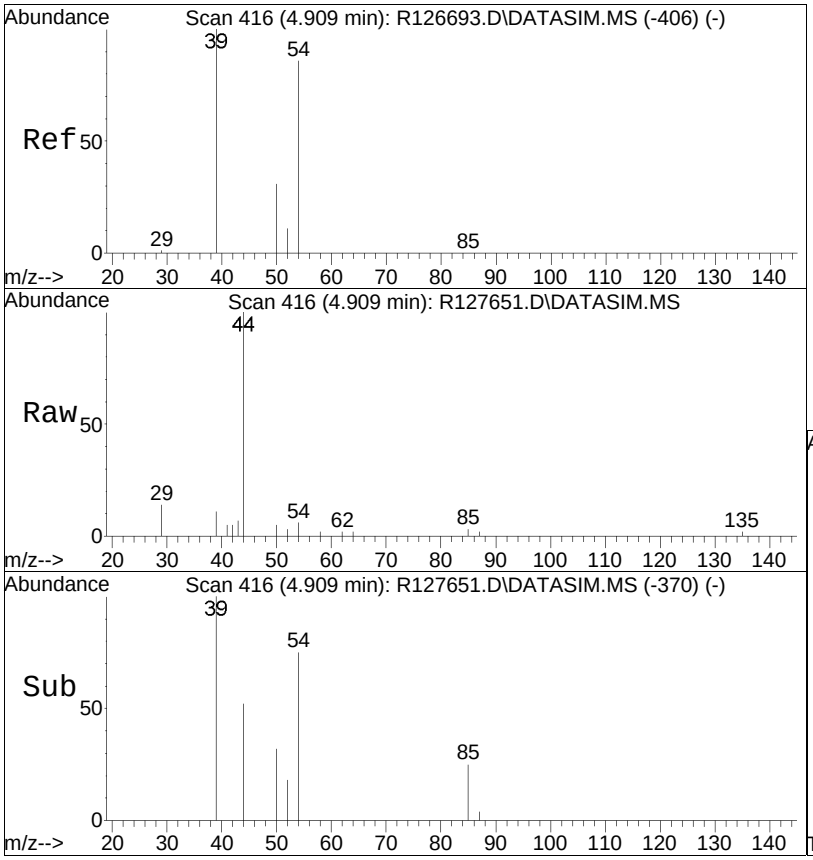


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 85 Resp: 495

Ion	Ratio	Lower	Upper
85	100		
87	43.7	26.5	39.7#
135	78.9	56.9	85.3

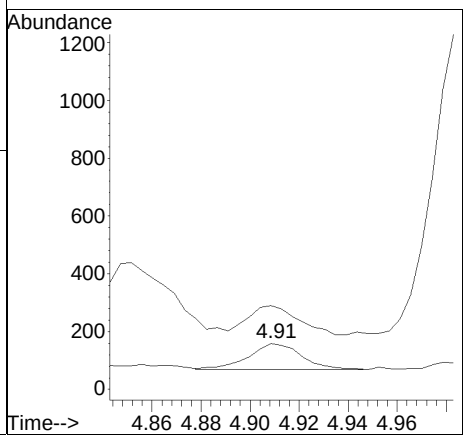


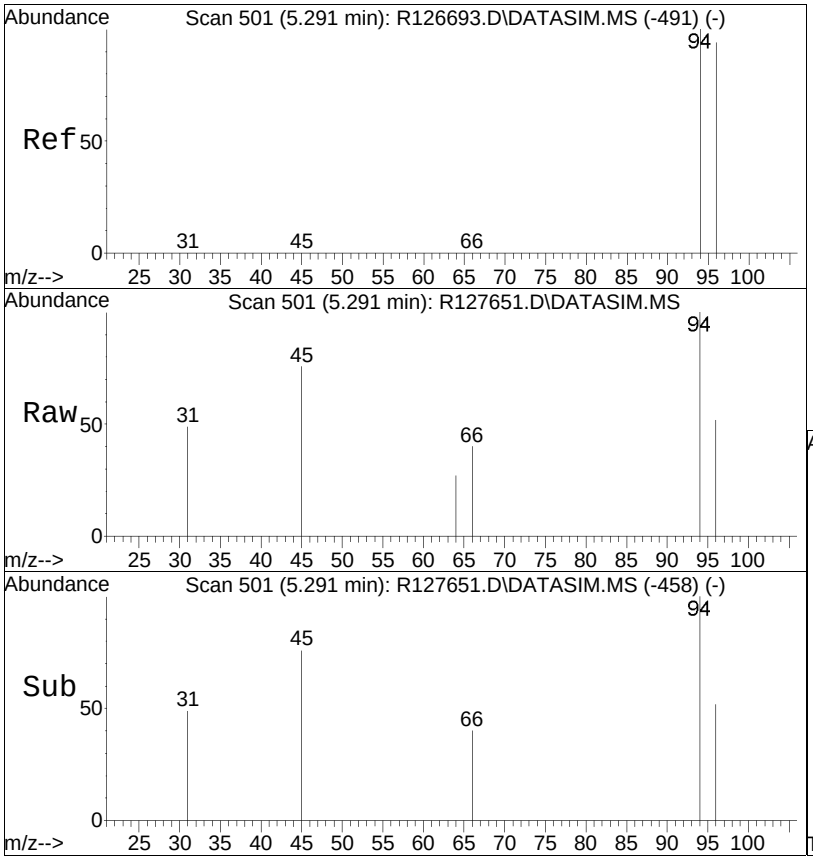


#7
1,3-butadiene
Concen: 0.01 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 54 Resp: 138

Ion	Ratio	Lower	Upper
54	100		
39	182.4	92.4	138.6#

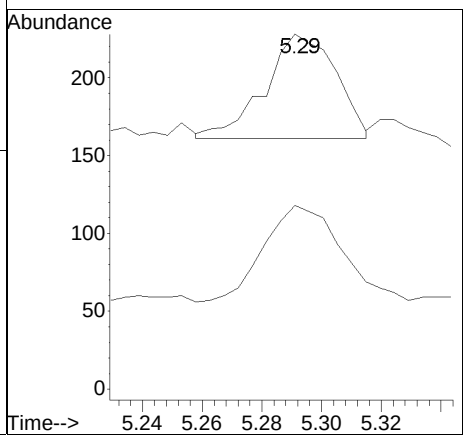


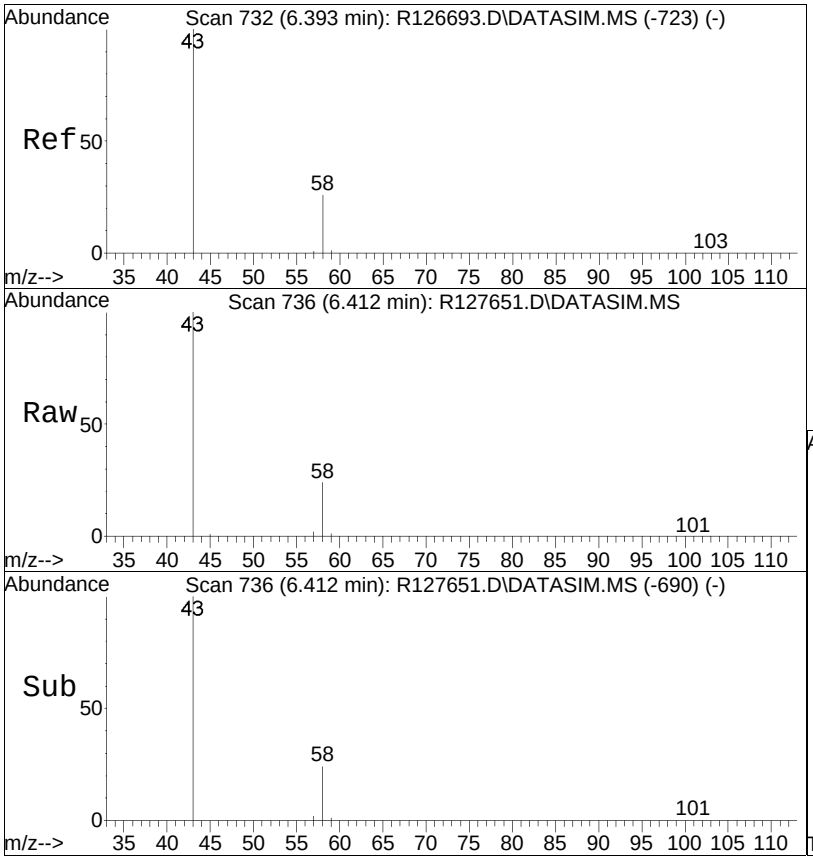


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 94 Resp: 111

Ion	Ratio	Lower	Upper
94	100		
96	51.8	76.9	115.3#

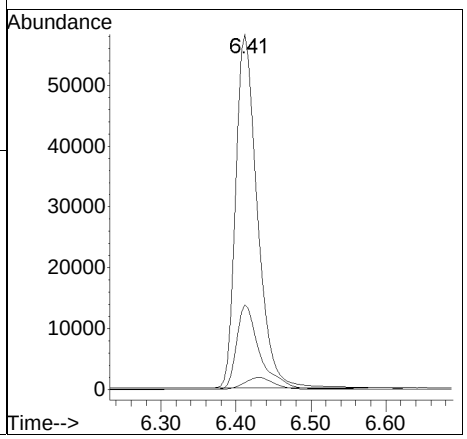


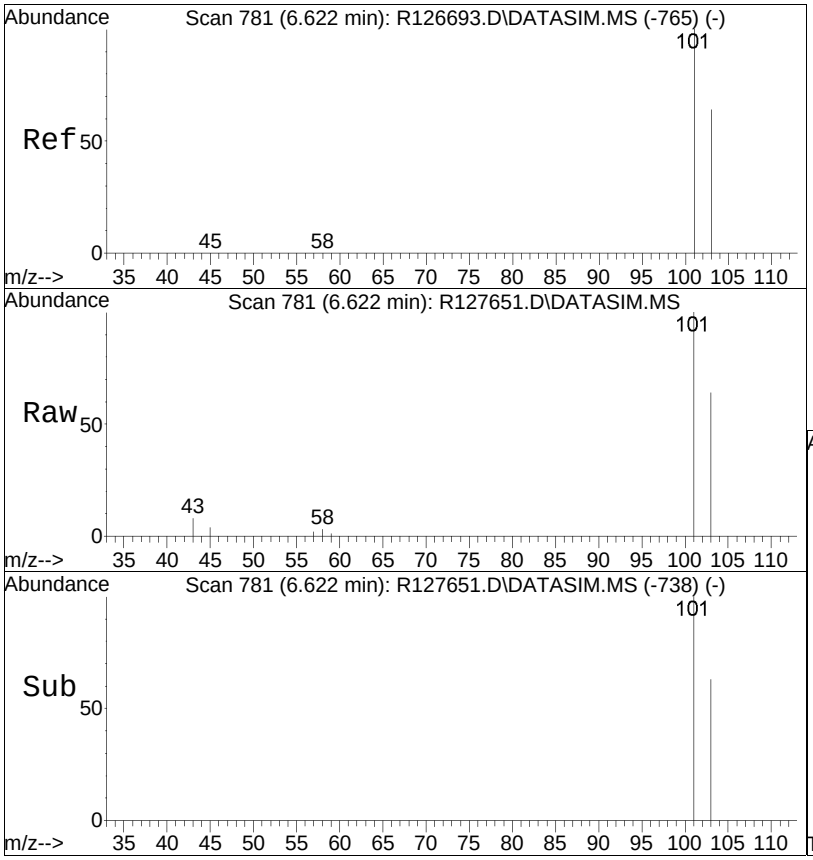


#12
acetone
Concen: 4.63 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 43 Resp: 116877

Ion	Ratio	Lower	Upper
43	100		
58	23.9	20.0	30.0
57	2.0	0.6	1.0#

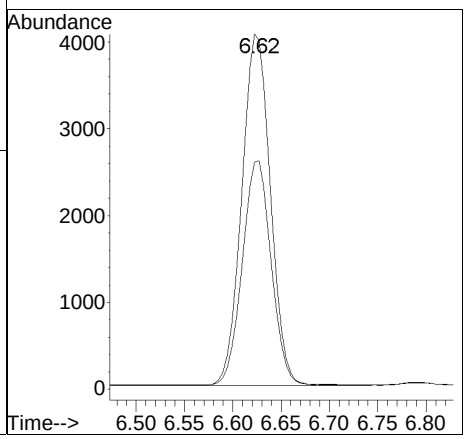


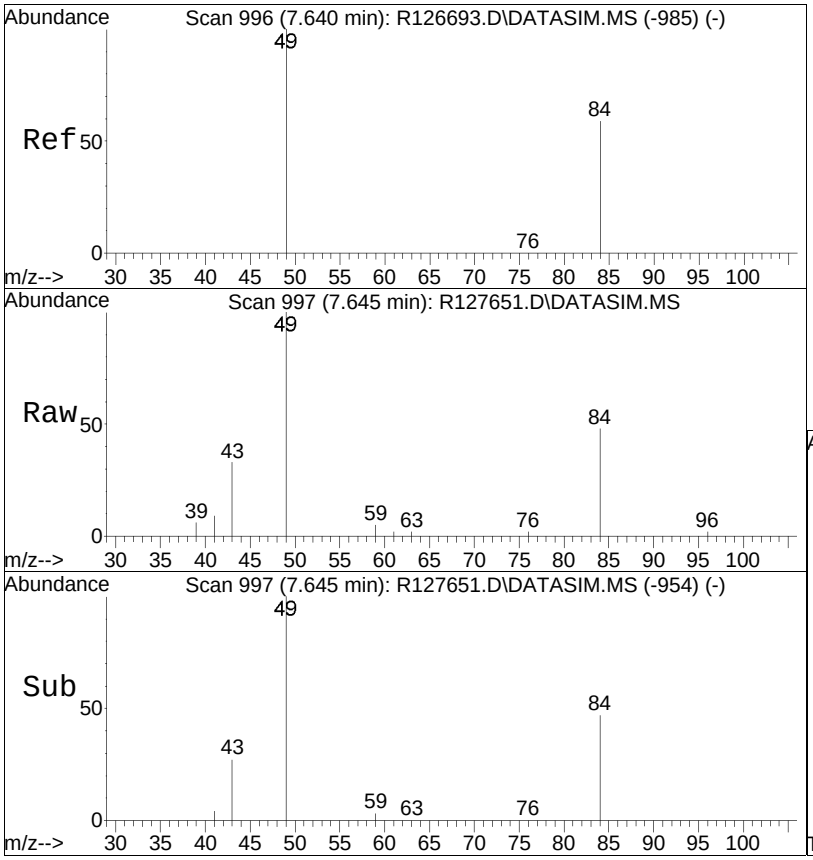


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion:101 Resp: 8339

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

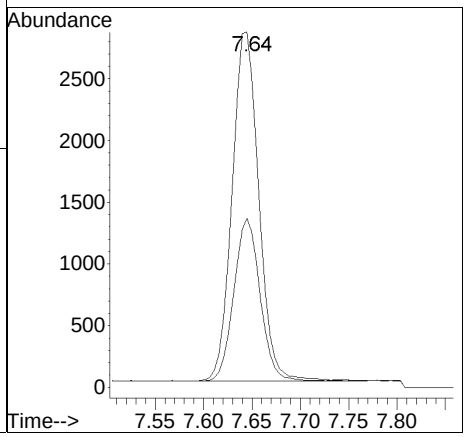


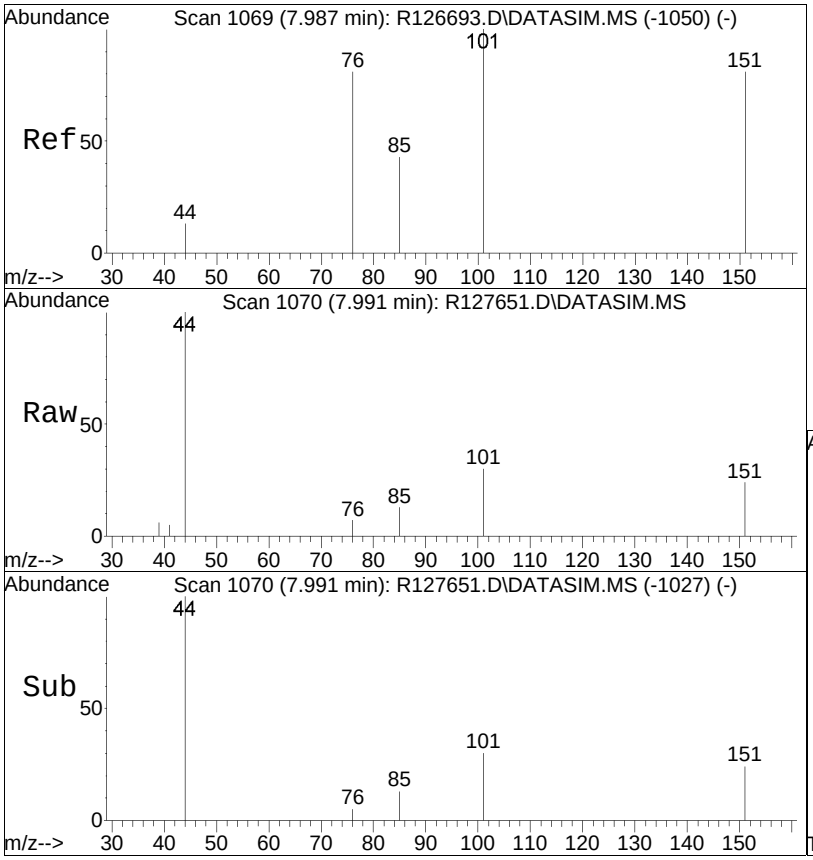


#17
methylene chloride
Concen: 0.26 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 49 Resp: 5407

Ion	Ratio	Lower	Upper
49	100		
84	47.6	37.2	55.8

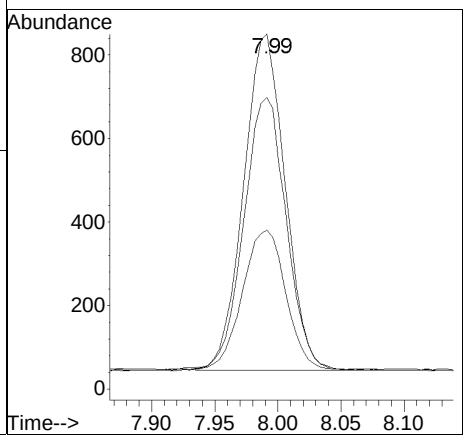


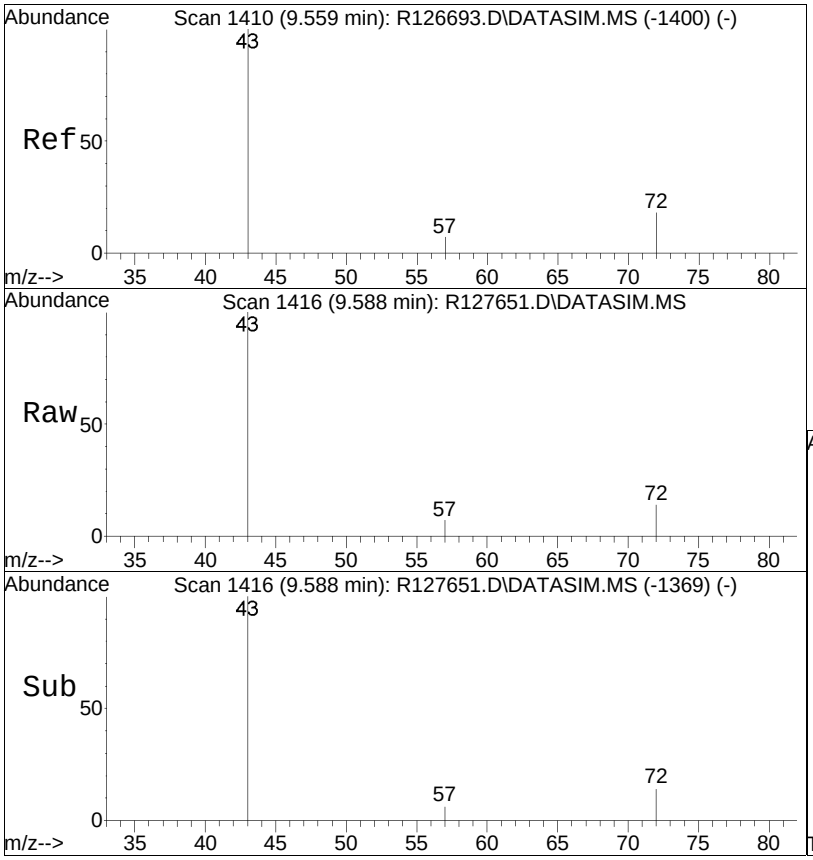


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion:101 Resp: 1845

Ion	Ratio	Lower	Upper
101	100		
85	44.8	34.2	51.2
151	82.2	67.8	101.8

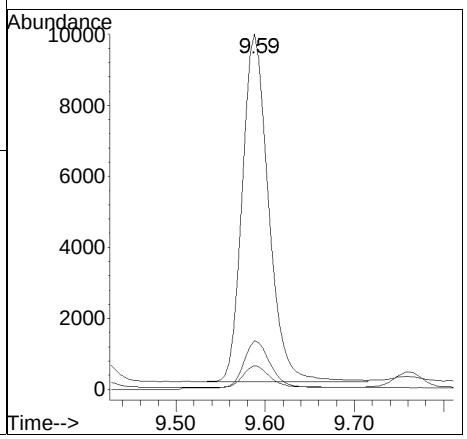


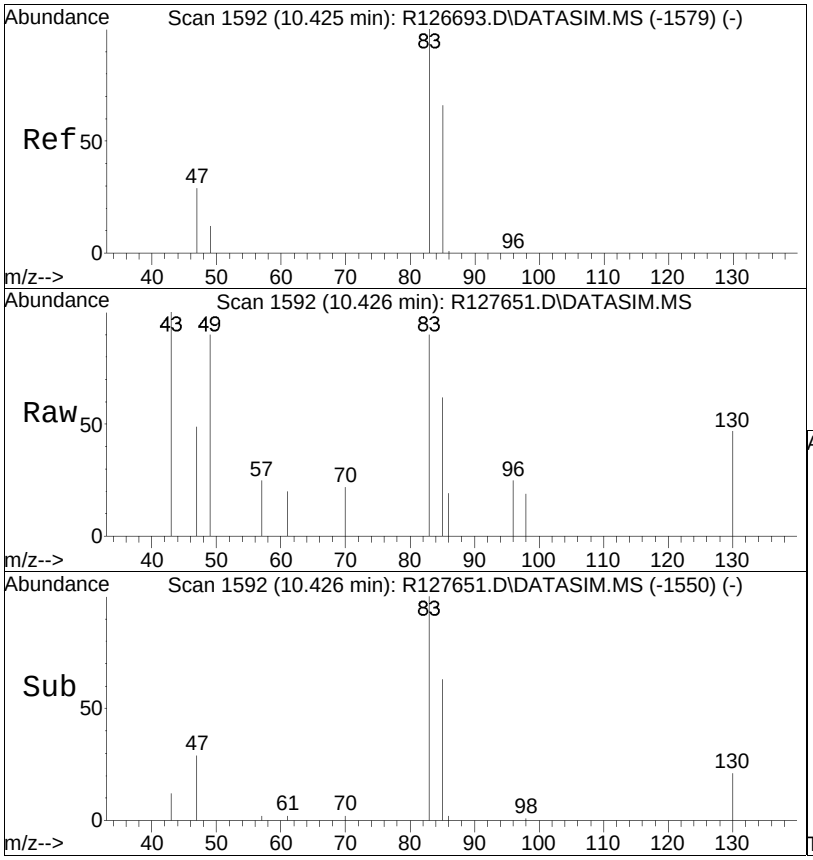


#26
2-butanone
Concen: 0.51 ppbV
RT: 9.59 min Scan# 1416
Delta R.T. 0.024 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 43 Resp: 20077

Ion	Ratio	Lower	Upper
43	100		
72	13.7	12.0	18.0
57	6.7	5.2	7.8

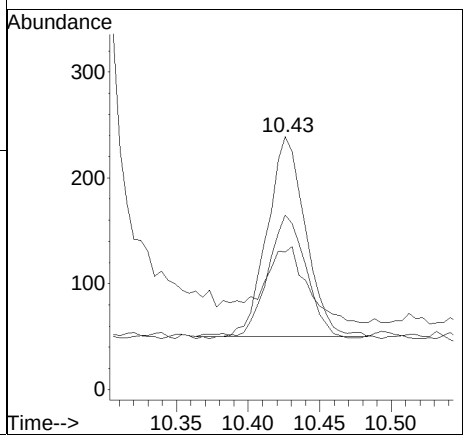


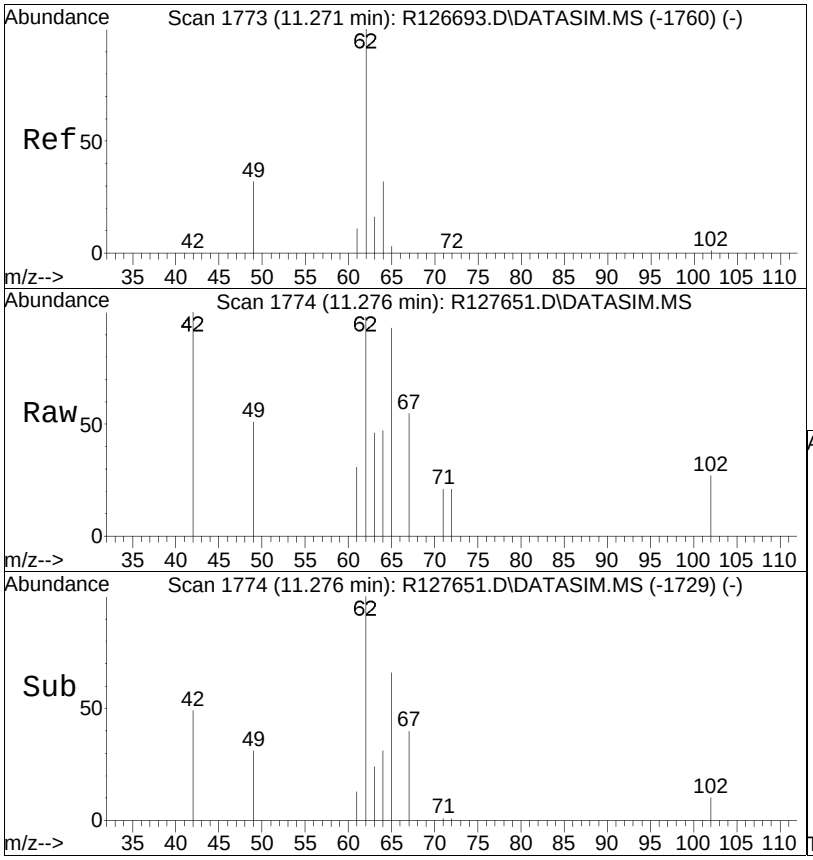


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 83 Resp: 355

Ion	Ratio	Lower	Upper
83	100		
85	69.0	52.2	78.2
47	54.4	26.4	39.6#

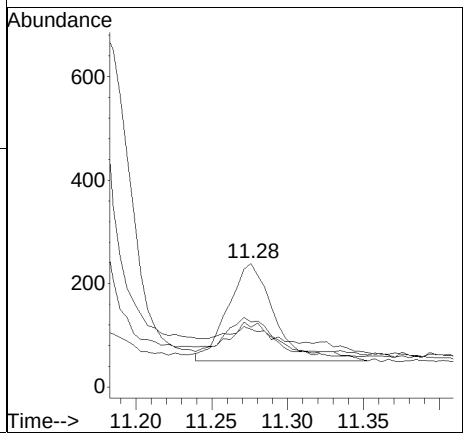


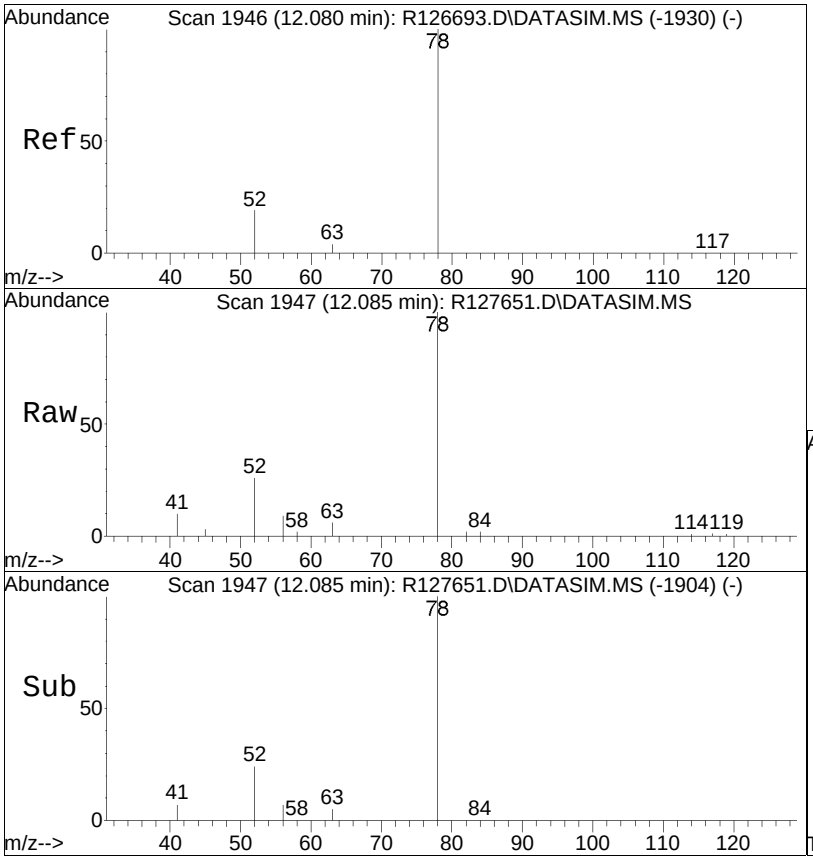


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 62 Resp: 399

Ion	Ratio	Lower	Upper
62	100		
64	48.5	25.0	37.6#
49	52.7	31.2	46.8#
63	46.9	13.3	19.9#

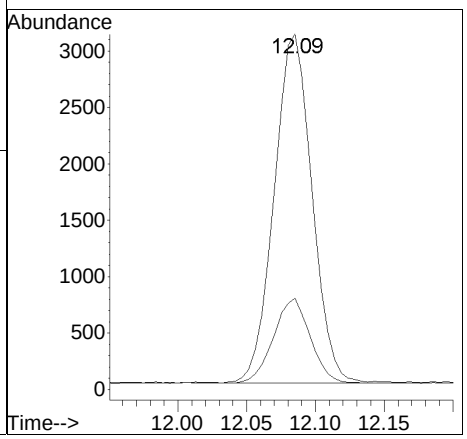


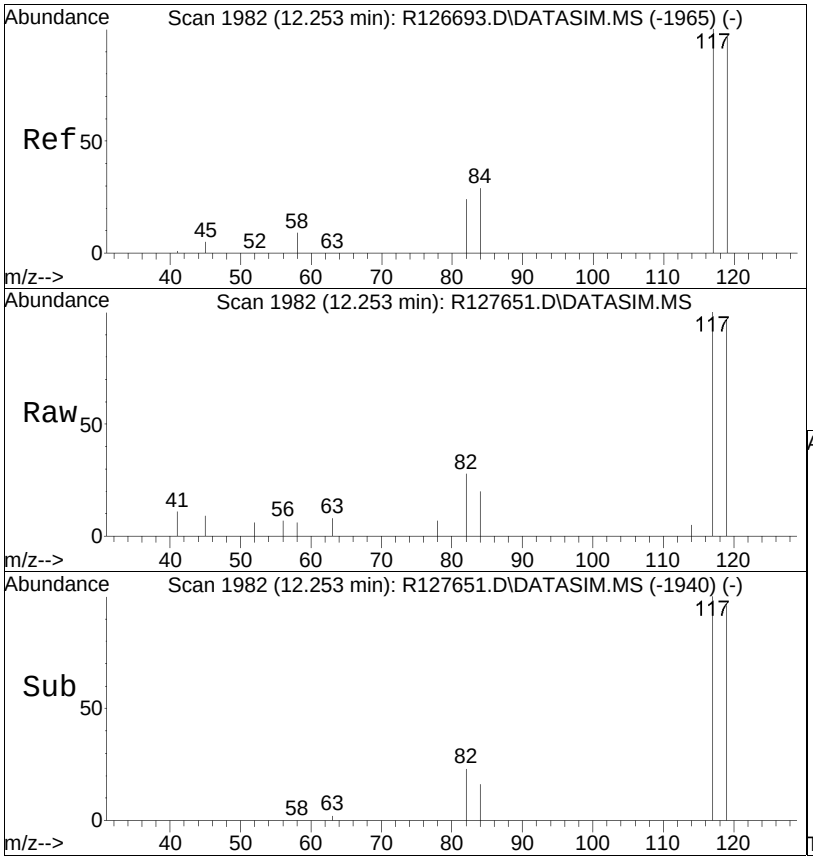


#36
benzene
Concen: 0.14 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 78 Resp: 5915

Ion	Ratio	Lower	Upper
78	100		
52	25.7	18.5	27.7

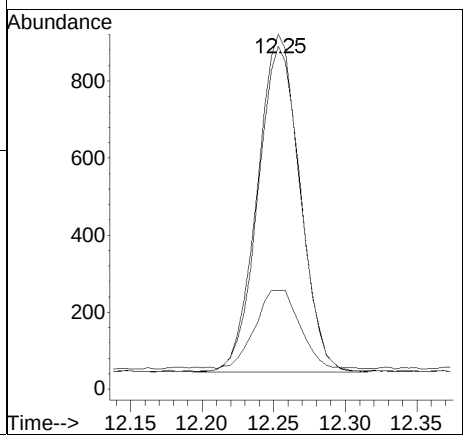


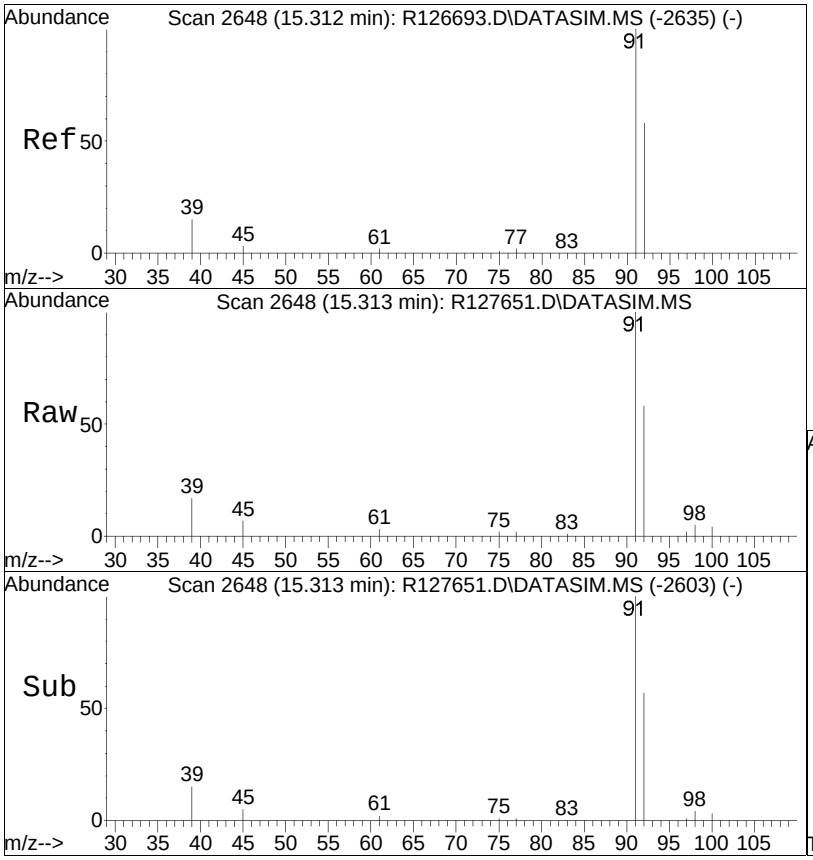


#37
carbon tetrachloride
Concen: 0.06 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion:117 Resp: 1808

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
82	27.9	18.2	27.2#

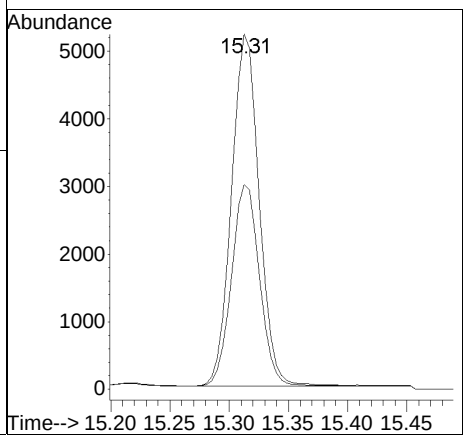


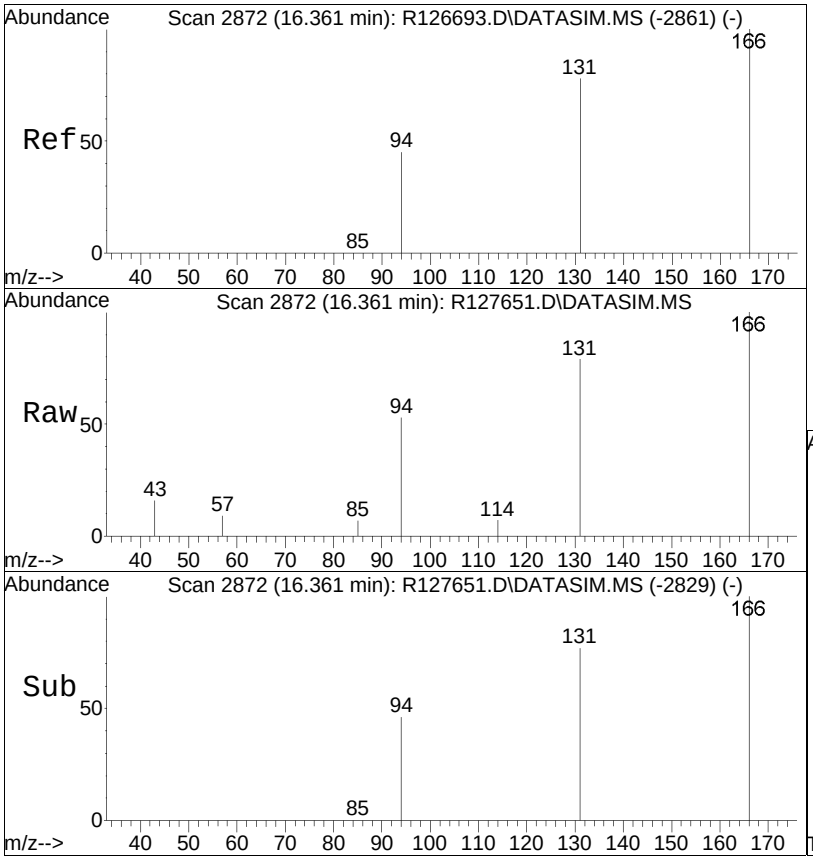


#50
toluene
Concen: 0.16 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 91 Resp: 8431

Ion	Ratio	Lower	Upper
91	100		
92	57.7	46.4	69.6

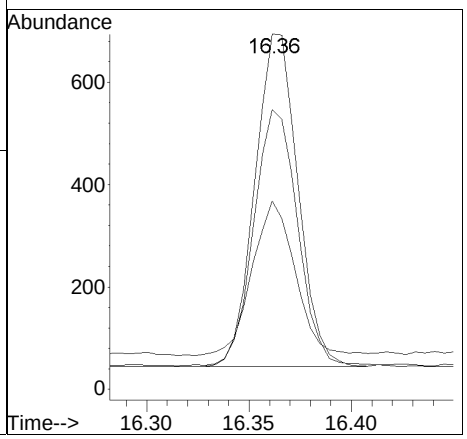


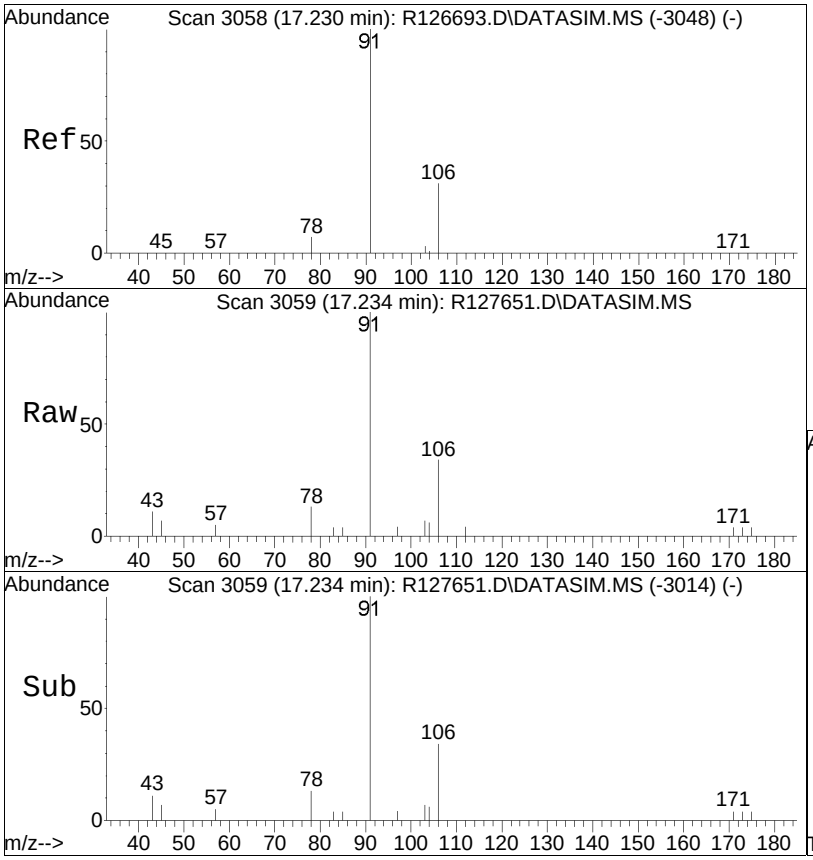


#55
tetrachloroethene
Concen: 0.03 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion:166 Resp: 953

Ion	Ratio	Lower	Upper
166	100		
131	78.8	60.6	90.8
94	53.0	32.2	48.2#

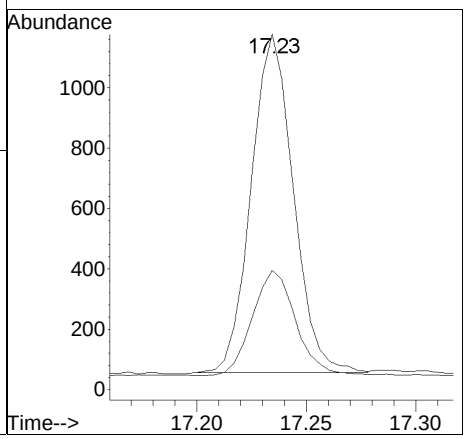


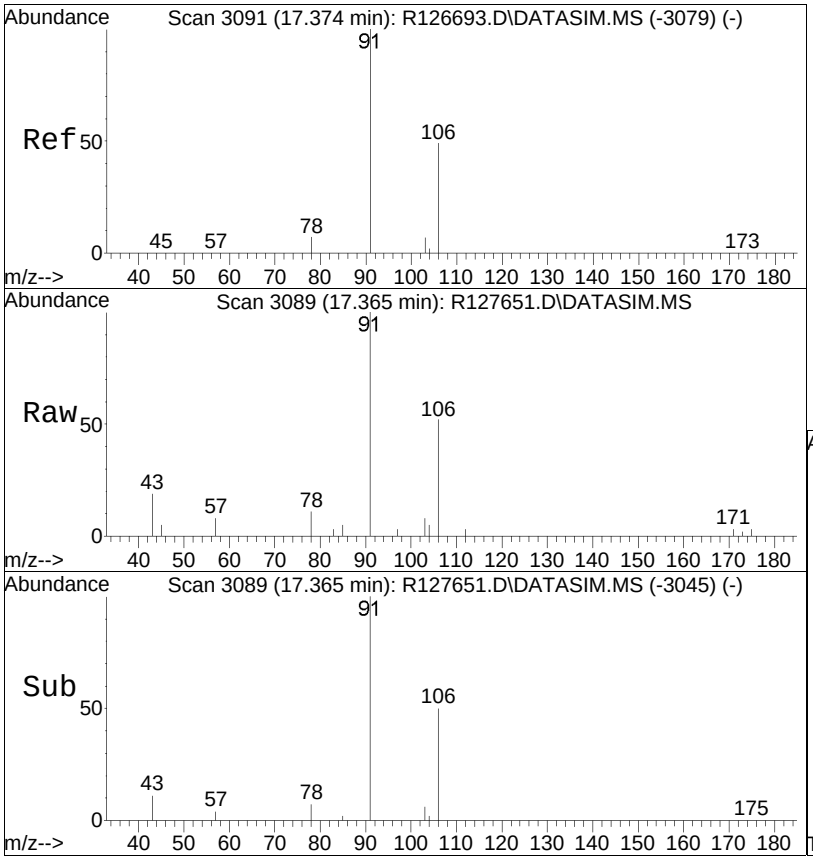


#58
ethylbenzene
Concen: 0.02 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 91 Resp: 1499

Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.3	37.9

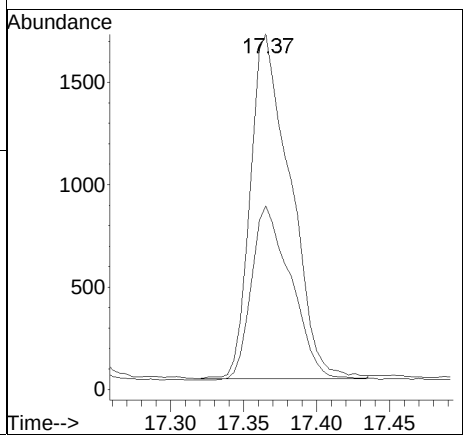


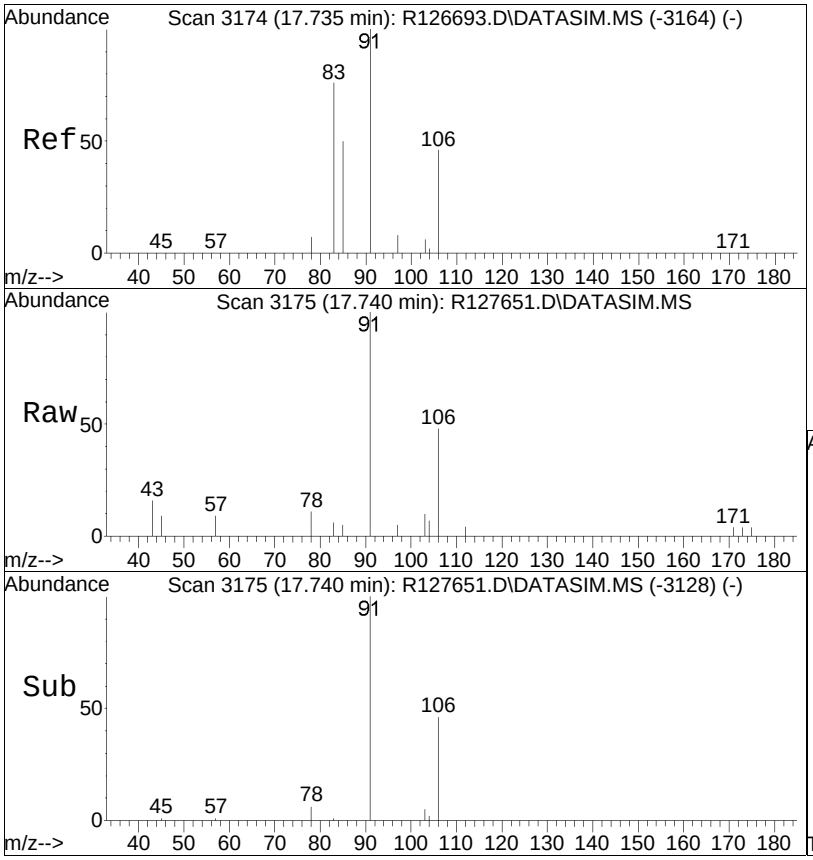


#59
m+p-xylene
Concen: 0.06 ppbV
RT: 17.37 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 91 Resp: 3207

Ion	Ratio	Lower	Upper
91	100		
106	51.7	40.0	60.0

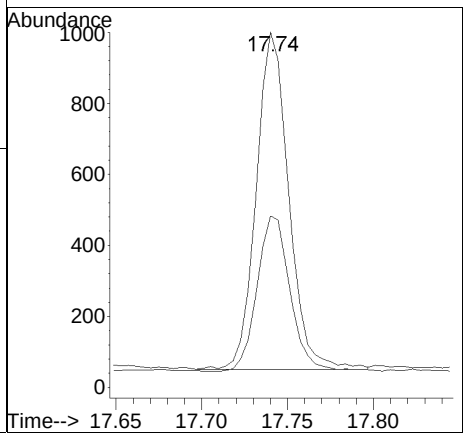


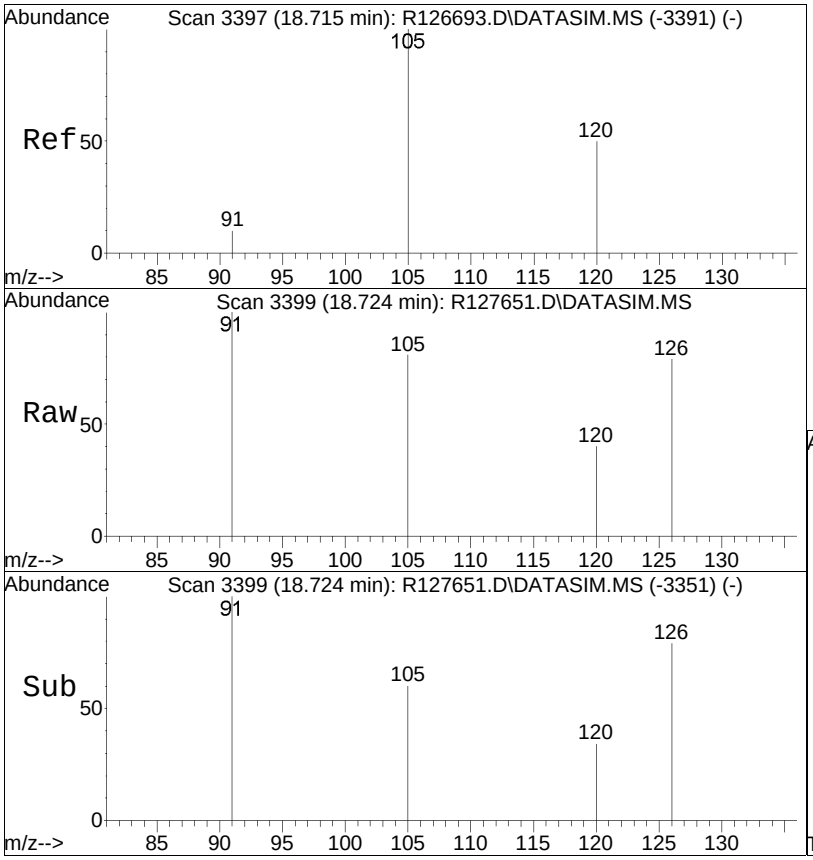


#63
o-xylene
Concen: 0.02 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion: 91 Resp: 1253

Ion	Ratio	Lower	Upper
91	100		
106	48.3	37.1	55.7

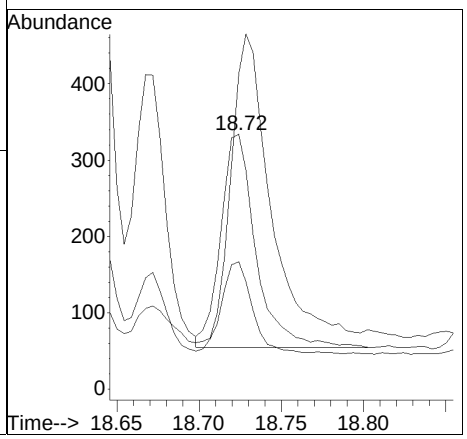


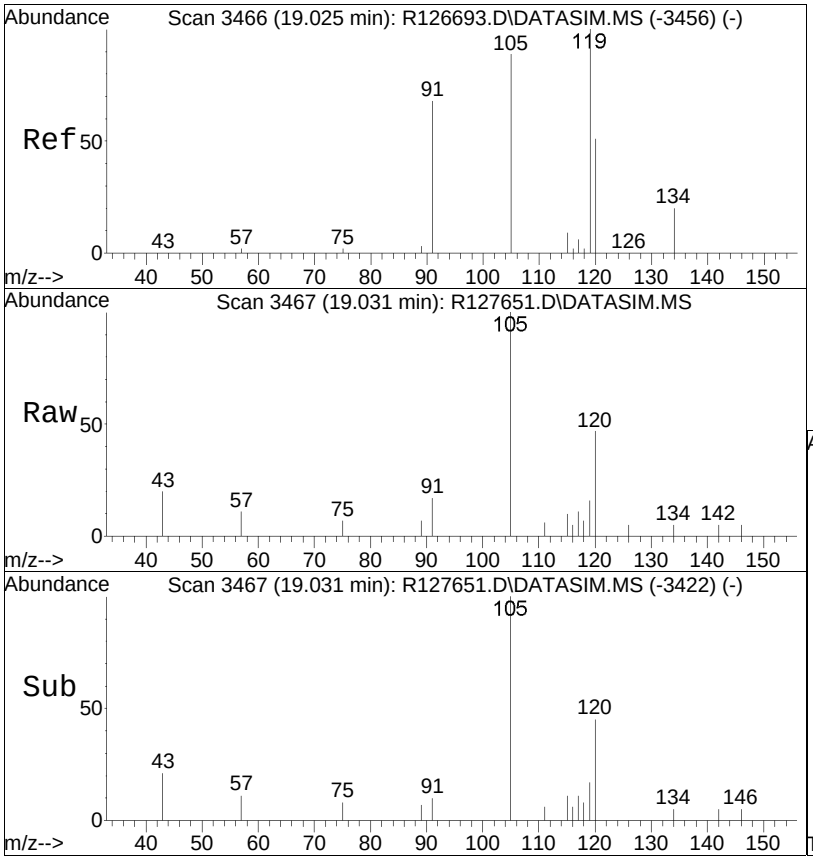


#67
1,3,5-trimethylbenzene
Concen: 0.01 ppbV
RT: 18.72 min Scan# 3399
Delta R.T. 0.009 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion:105 Resp: 415

Ion	Ratio	Lower	Upper
105	100		
120	50.0	39.0	58.4
91	123.7	8.0	12.0#

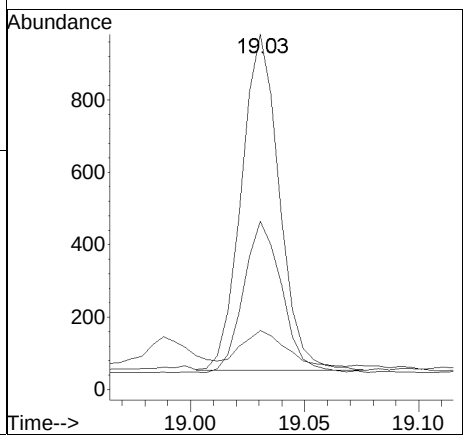




#69
1,2,4-trimethylbenzene
Concen: 0.02 ppbV
RT: 19.03 min Scan# 3467
Delta R.T. 0.005 min
Lab File: R127651.D
Acq: 12 Apr 2013 10:30 pm

Tgt Ion:105 Resp: 1068

Ion	Ratio	Lower	Upper
105	100		
120	47.4	44.9	67.3
91	16.6	58.6	88.0#

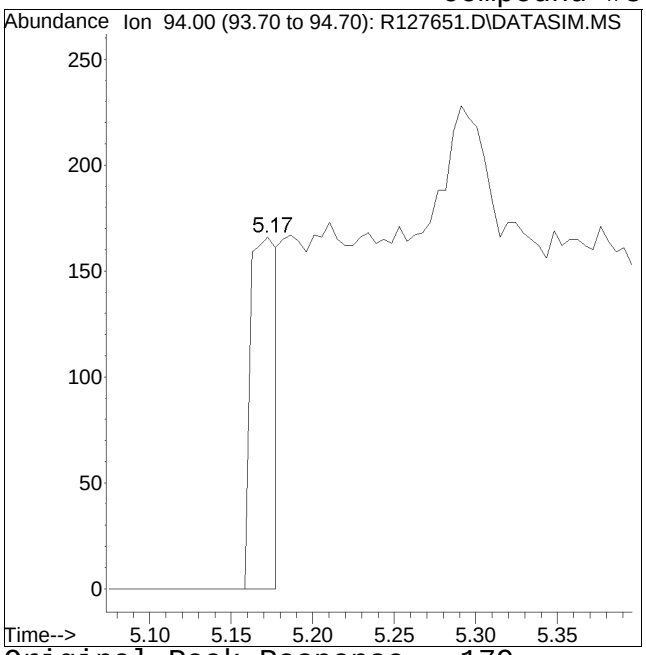


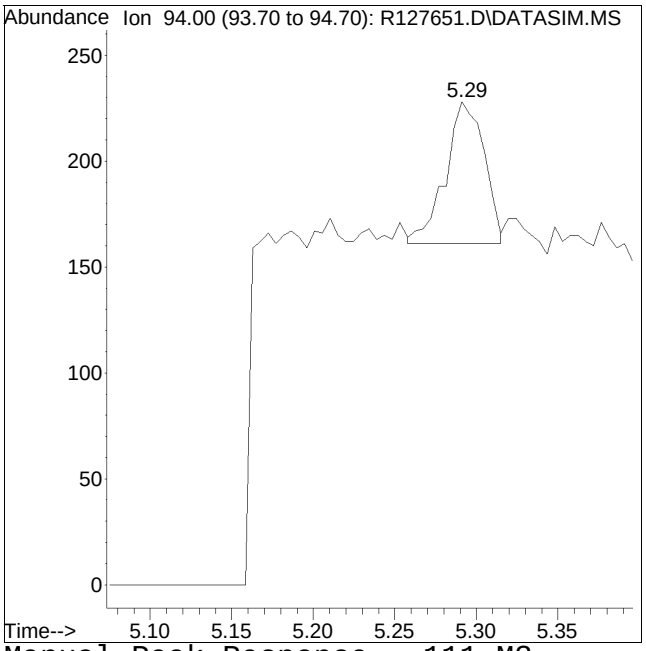
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127651.D
Date Inj'd : 4/12/2013 10:30 pm
Sample : L1306330-19,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #8: bromomethane





Original Peak Response = 179 Manual Peak Response = 111 M3

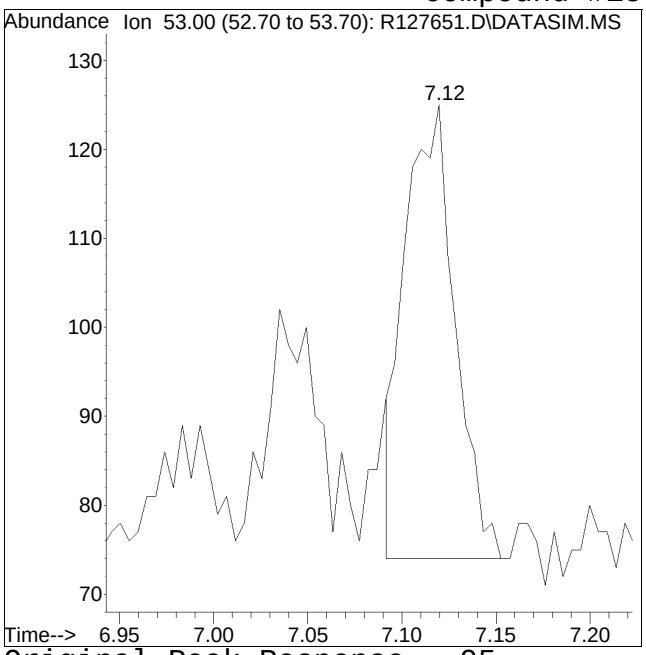
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

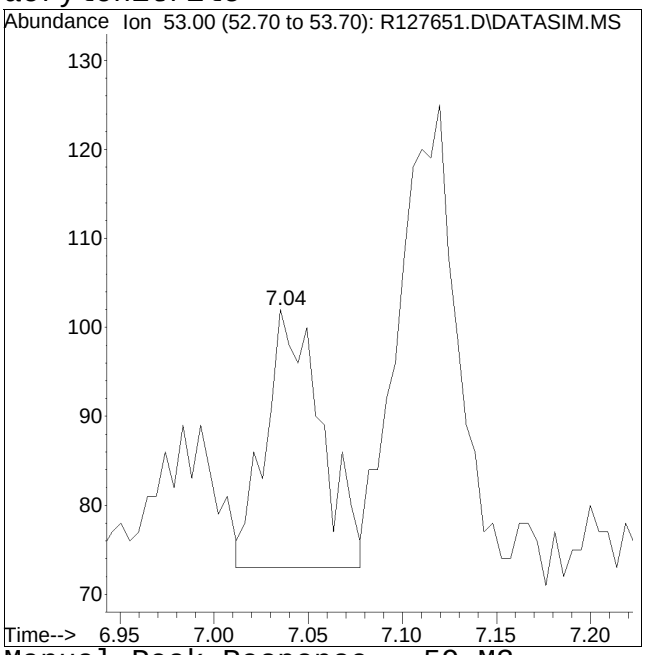
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127651.D
Date Inj'd : 4/12/2013 10:30 pm
Sample : L1306330-19,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #15: acrylonitrile



Original Peak Response = 95



Manual Peak Response = 59 M3

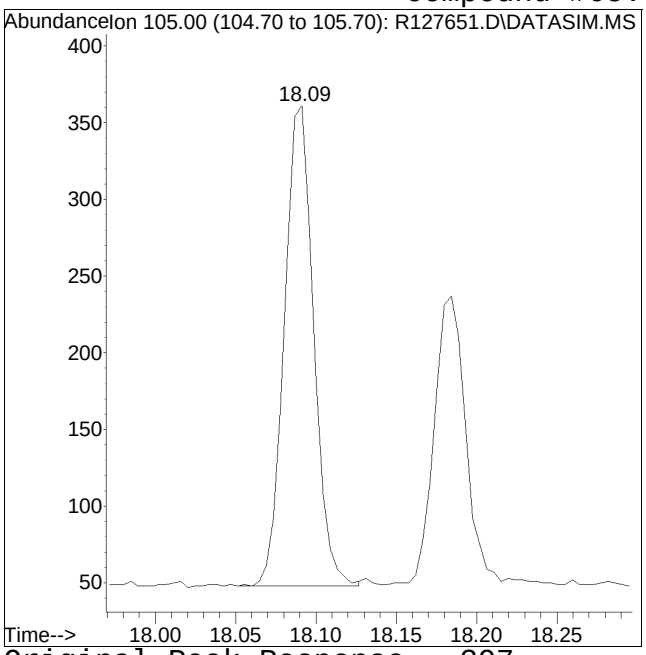
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

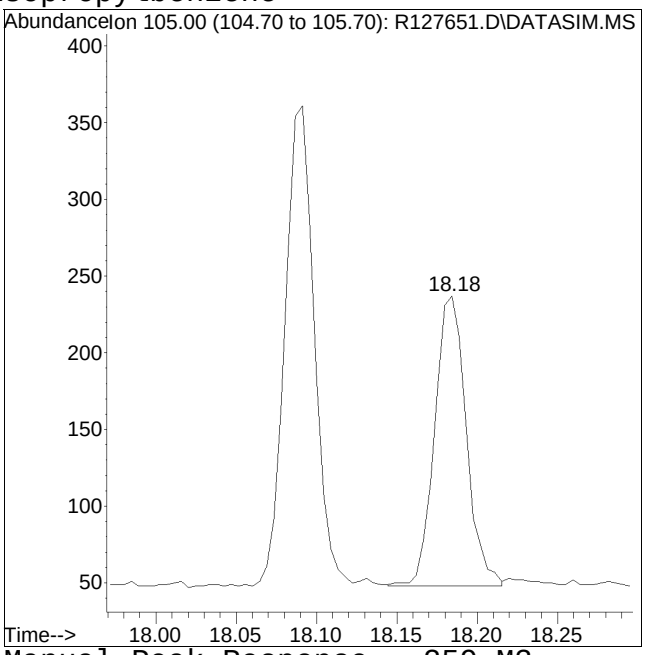
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127651.D
Date Inj'd : 4/12/2013 10:30 pm
Sample : L1306330-19,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #65: isopropylbenzene





Original Peak Response = 397 Manual Peak Response = 259 M3

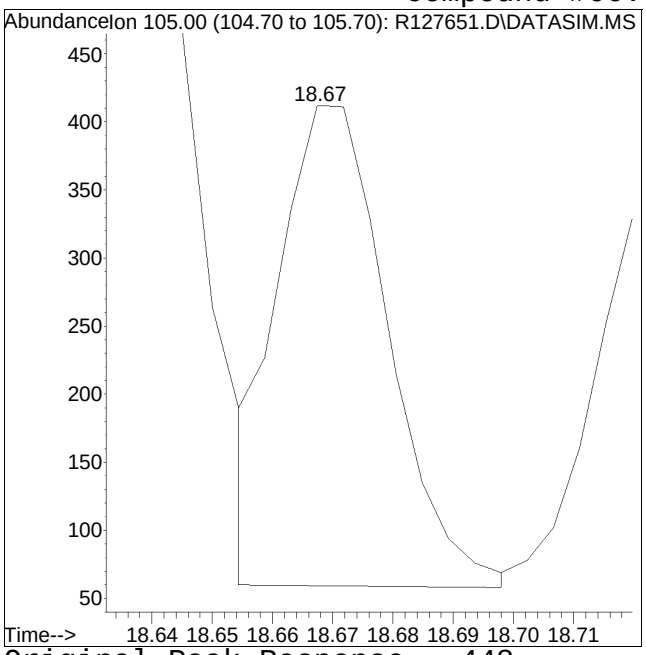
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

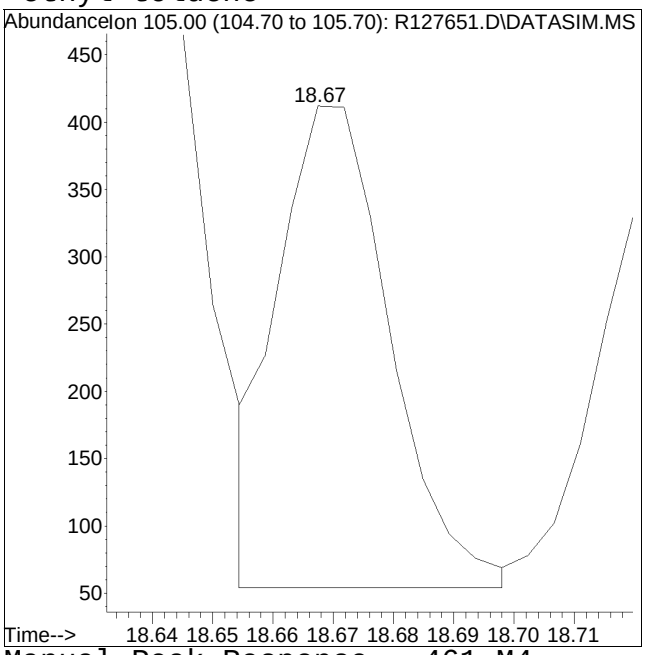
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127651.D
Date Inj'd : 4/12/2013 10:30 pm
Sample : L1306330-19,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #66: 4-ethyl toluene



Original Peak Response = 448



Manual Peak Response = 461 M4

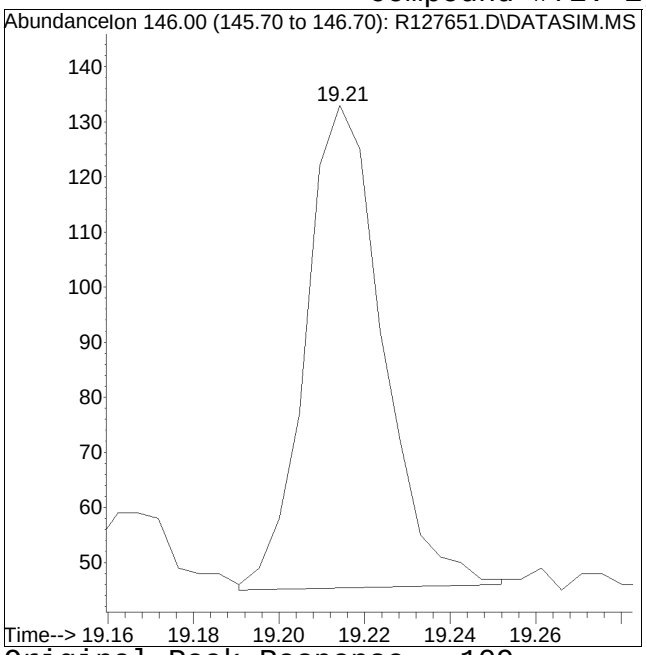
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

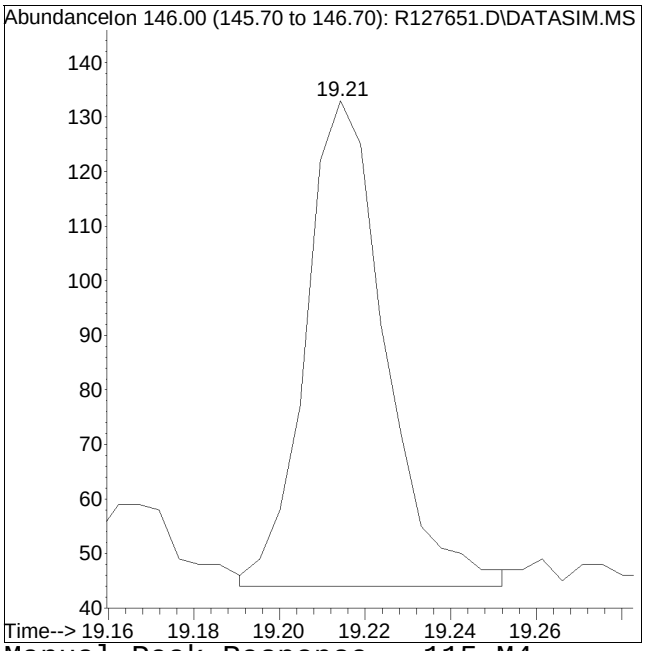
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127651.D
Date Inj'd : 4/12/2013 10:30 pm
Sample : L1306330-19,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 109



Manual Peak Response = 115 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127653.D
Acq On : 12 Apr 2013 11:34 pm
Operator : AIRPIANO1:MB
Sample : L1306330-20,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 16 09:51:49 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	266276	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 99.05%			
32) 1,4-difluorobenzene	12.49	114	540943	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.88%			
49) chlorobenzene-D5	16.90	54	132767	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 100.04%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	18972	0.550	ppbV	99
4) chloromethane	4.40	50	9209	0.508	ppbV	99
5) Freon-114	4.55	85	511	0.014	ppbV #	94
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	222M4	0.018	ppbV	
8) bromomethane	5.30	94	158M3	0.011	ppbV	
9) chloroethane	5.55	64	50	0.007	ppbV #	1
12) acetone	6.41	43	97430	3.382	ppbV #	96
13) trichlorofluoromethane	6.63	101	8349	0.202	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	12677	0.526	ppbV	100
20) Freon 113	7.99	101	3048	0.106	ppbV	97
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.19		0	N.D.		
26) 2-butanone	9.59	43	14958	0.331	ppbV	99
27) cis-1,2-dichloroethene	9.97		0	N.D.		
29) chloroform	10.43	83	962	0.031	ppbV #	94
31) 1,2-dichloroethane	11.28	62	353	0.015	ppbV #	63
35) 1,1,1-trichloroethane	11.56	97	3614	0.125	ppbV	93
36) benzene	12.08	78	7515	0.176	ppbV	99
37) carbon tetrachloride	12.25	117	19438	0.612	ppbV	98
39) 1,2-dichloropropane	13.02	63	136	0.007	ppbV #	59
40) bromodichloromethane	13.23		0	N.D.		
42) trichloroethene	13.29		0	N.D.		
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.35		0	N.D.		
47) trans-1,3-dichloropropene	14.84		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127653.D
Acq On : 12 Apr 2013 11:34 pm
Operator : AIRPIANO1:MB
Sample : L1306330-20,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 16 09:51:49 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

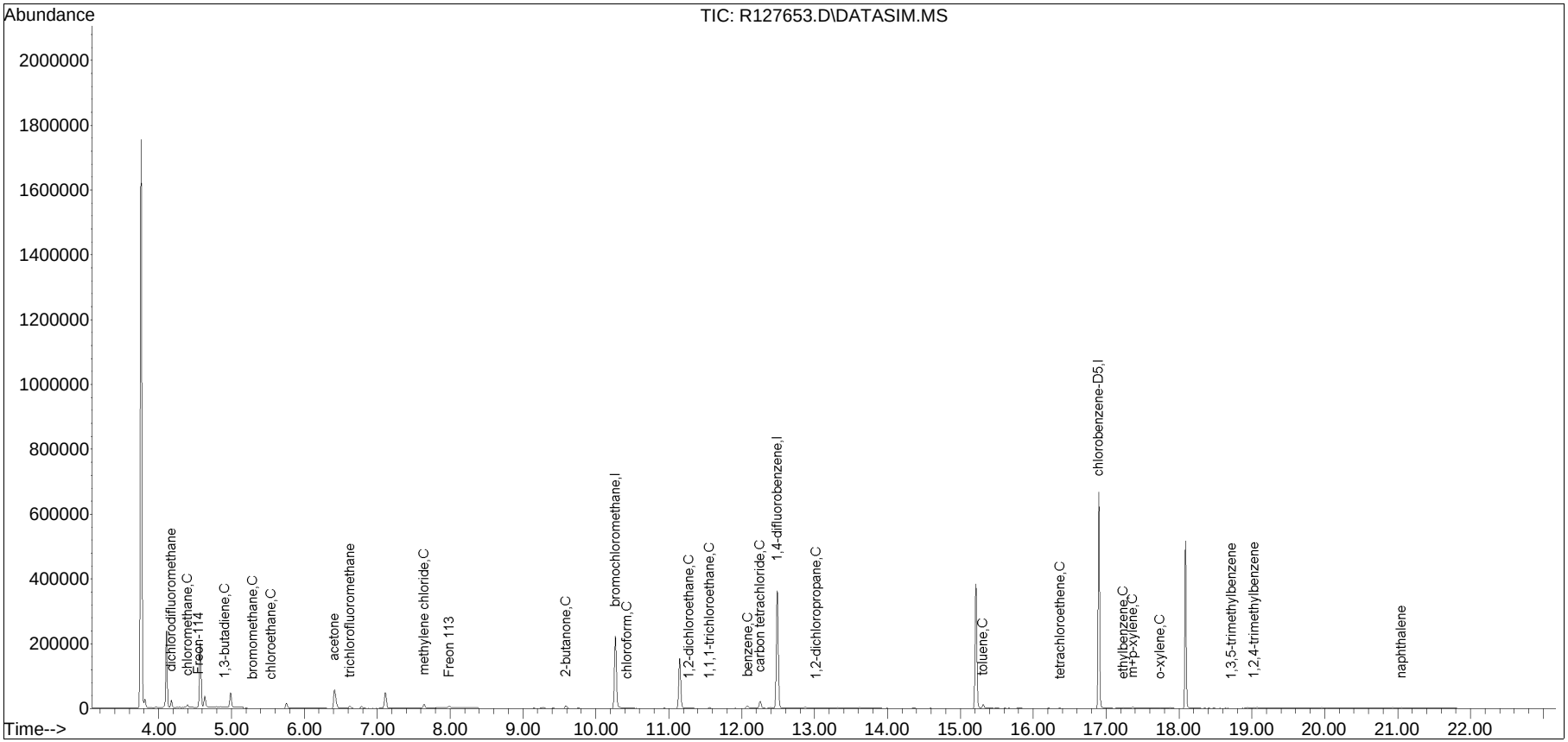
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	10766	0.200	ppbV		99
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.37	166	873	0.031	ppbV	#	90
56) 1,1,1,2-tetrachloroethane	16.97		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	1765	0.026	ppbV		95
59) m+p-xylene	17.37	91	3771	0.070	ppbV		99
60) bromoform	17.46		0	N.D.			
61) styrene	17.67		0	N.D.			
62) 1,1,2,2-tetrachloroethane	17.76		0	N.D.			
63) o-xylene	17.74	91	1483	0.027	ppbV		95
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.67		0	N.D.			
67) 1,3,5-trimethylbenzene	18.72	105	577	0.009	ppbV	#	93
69) 1,2,4-trimethylbenzene	19.03	105	1749	0.026	ppbV	#	55
71) 1,3-dichlorobenzene	19.17		0	N.D.			
72) 1,4-dichlorobenzene	19.21		0	N.D.			
73) sec-butylbenzene	19.23		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.67		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	4152	0.043	ppbV	#	95
79) 1,2,3-trichlorobenzene	21.31		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

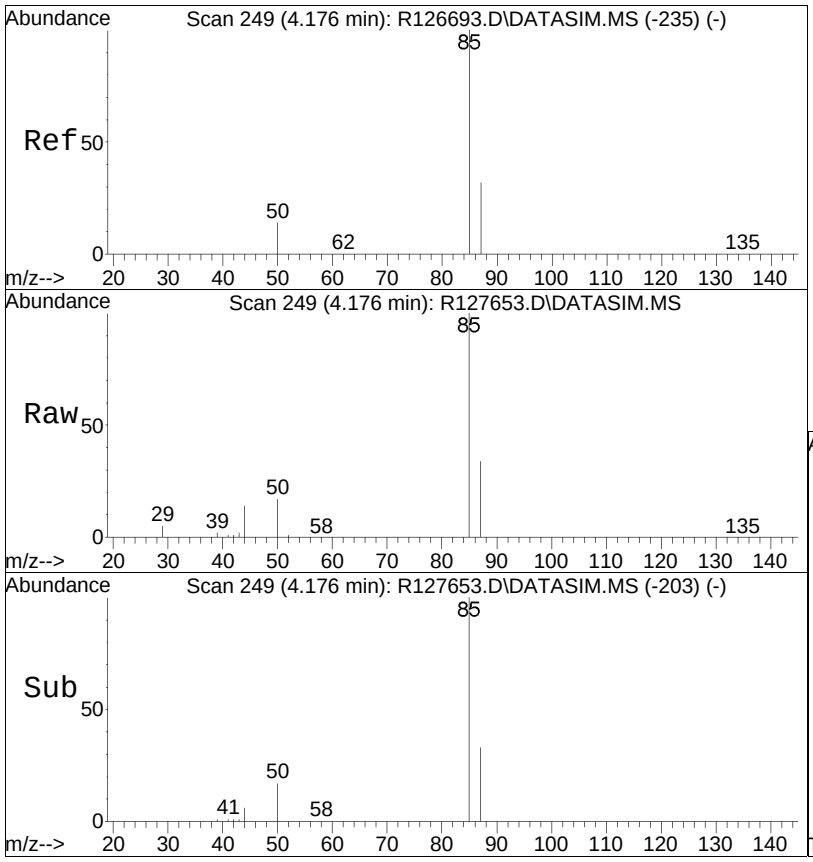
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127653.D
Acq On : 12 Apr 2013 11:34 pm
Operator : AIRPIANO1:MB
Sample : L1306330-20,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 16 09:51:49 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

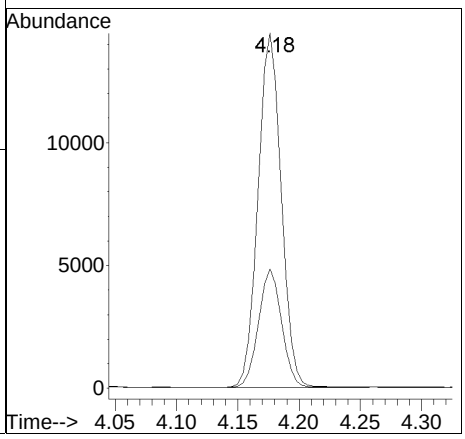


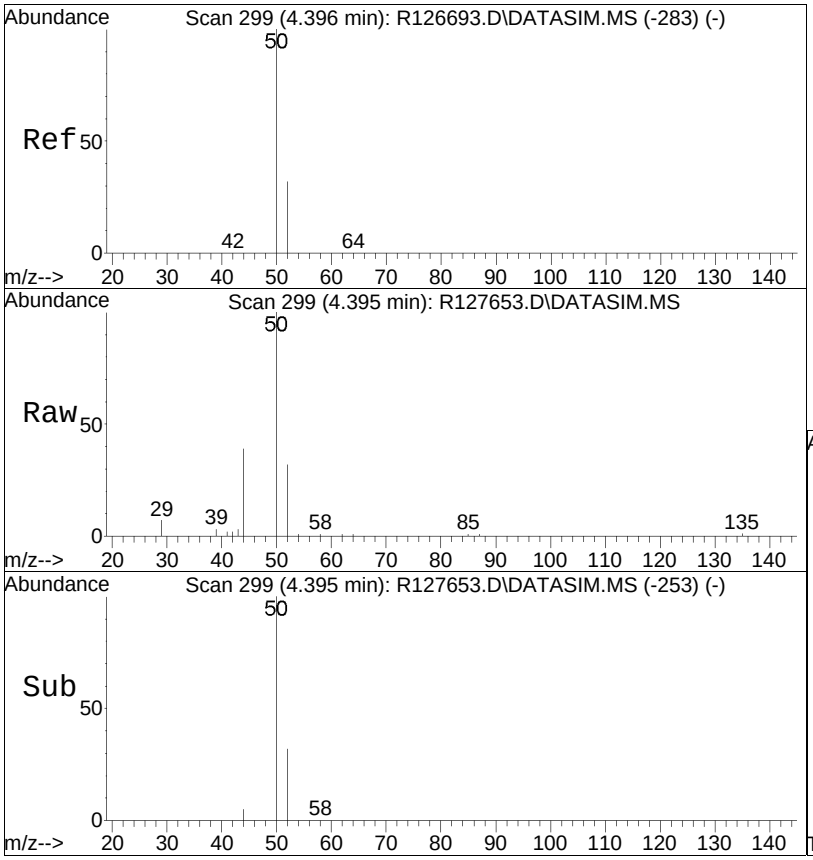


#3
dichlorodifluoromethane
Concen: 0.55 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 85 Resp: 18972

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.6	40.0

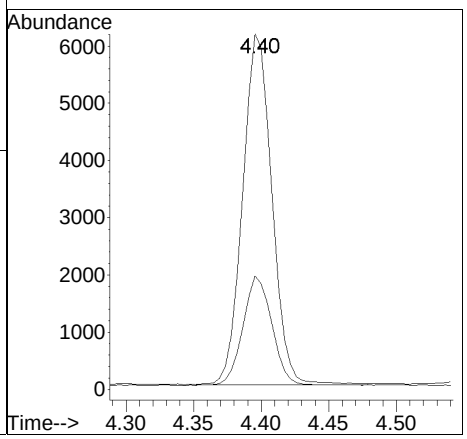


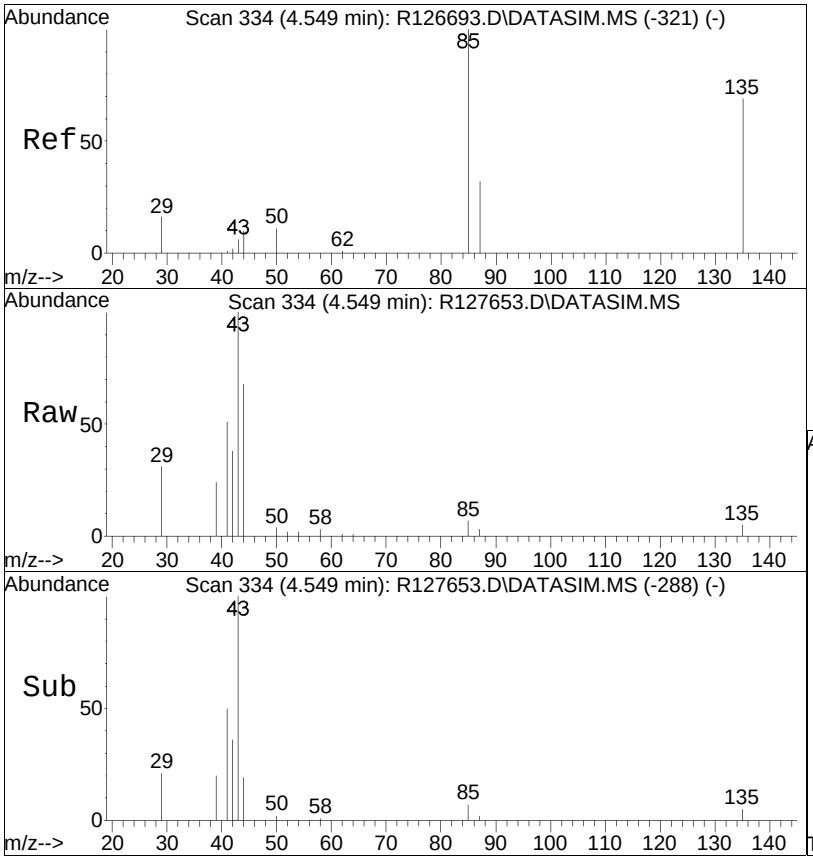


#4
chloromethane
Concen: 0.51 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 50 Resp: 9209

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.3	37.9

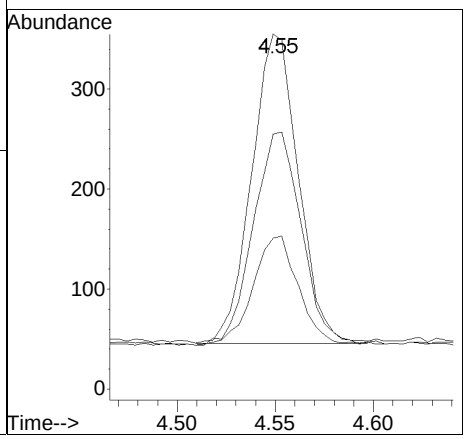


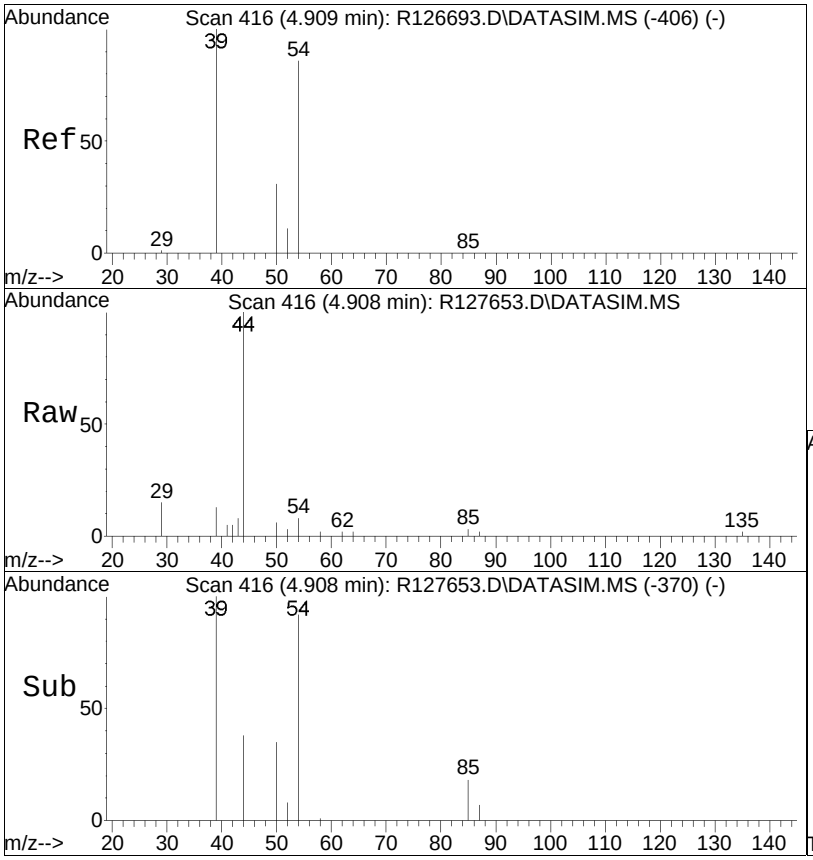


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 85 Resp: 511

Ion	Ratio	Lower	Upper
85	100		
87	42.5	26.5	39.7#
135	71.8	56.9	85.3

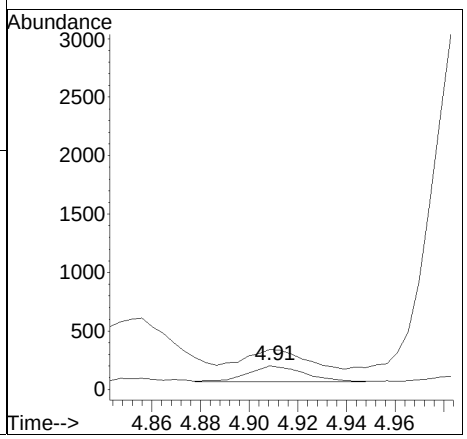


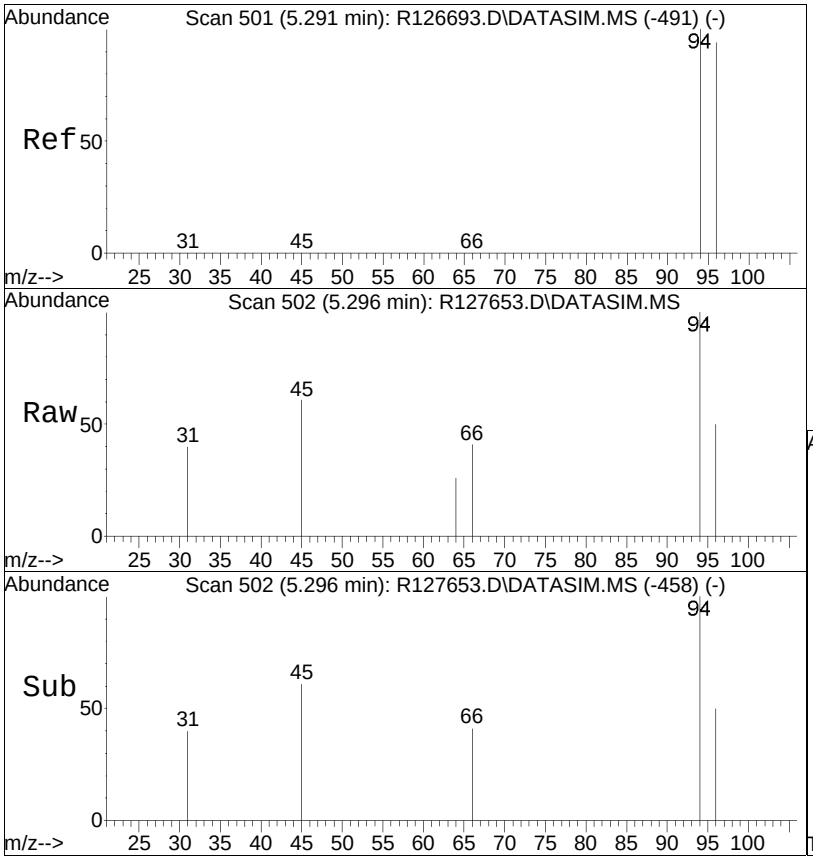


#7
1,3-butadiene
Concen: 0.02 ppbV m
RT: 4.91 min Scan# 416
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 54 Resp: 222

Ion	Ratio	Lower	Upper
54	100		
39	169.8	92.4	138.6#

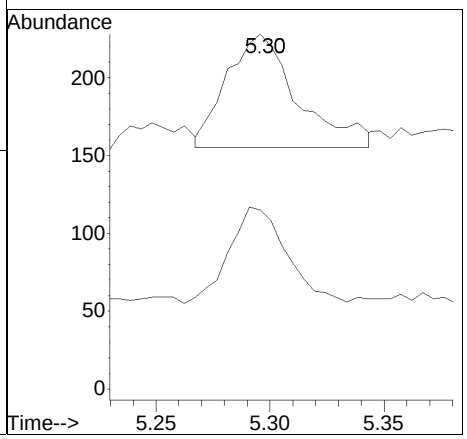


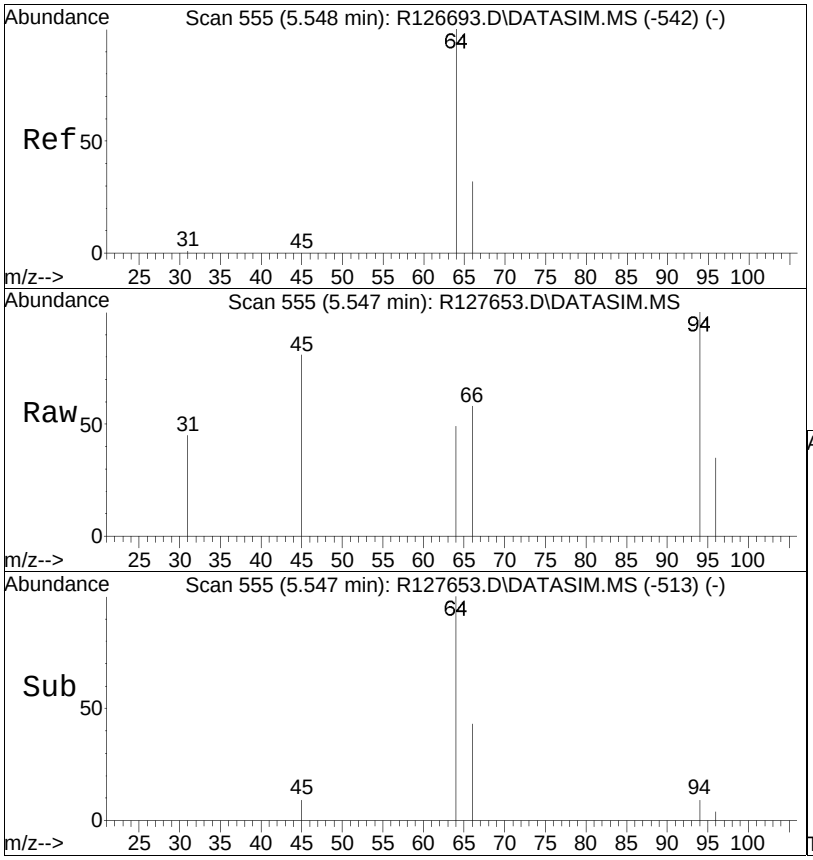


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 94 Resp: 158

Ion	Ratio	Lower	Upper
94	100		
96	50.4	76.9	115.3#

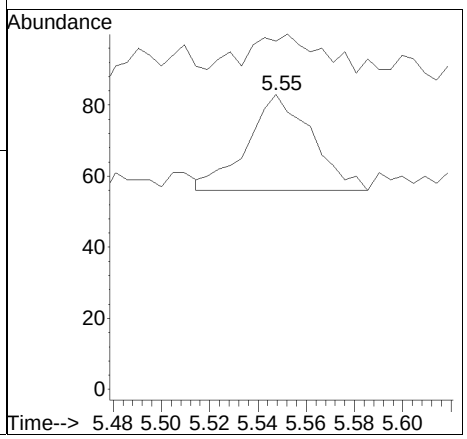


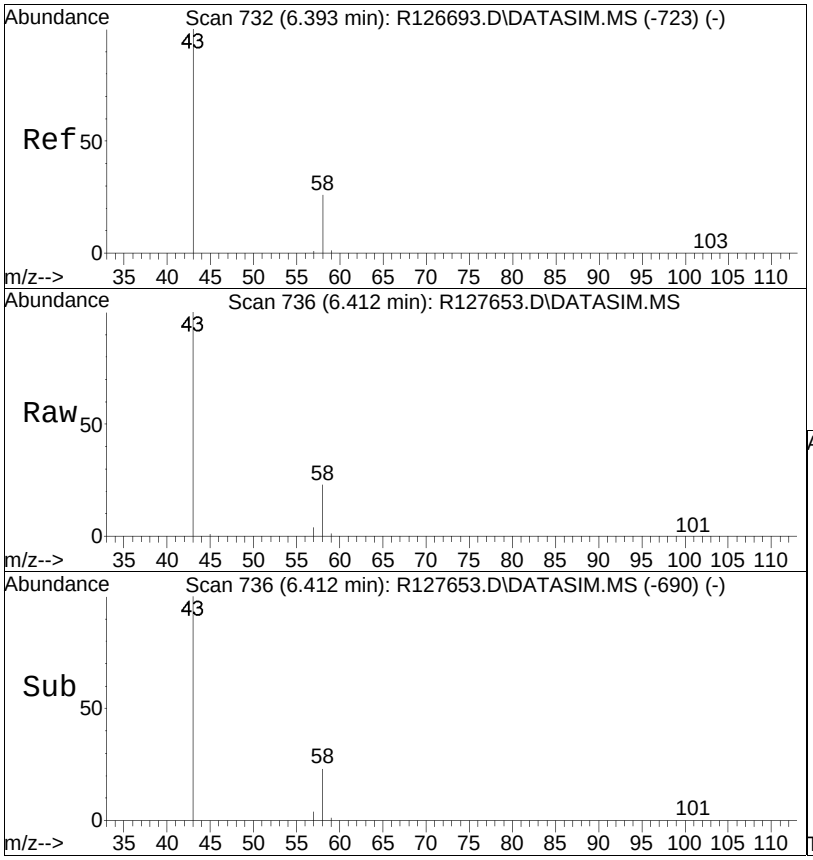


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 555
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 64 Resp: 50

Ion	Ratio	Lower	Upper
64	100		
66	118.1	25.5	38.3#

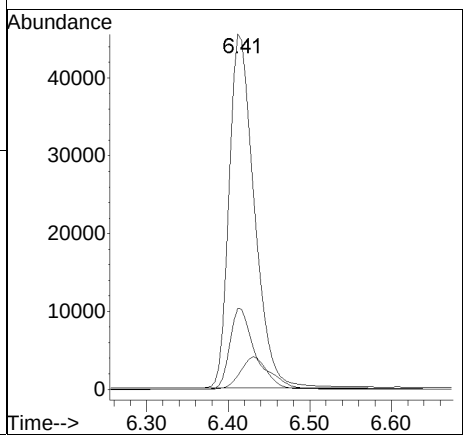


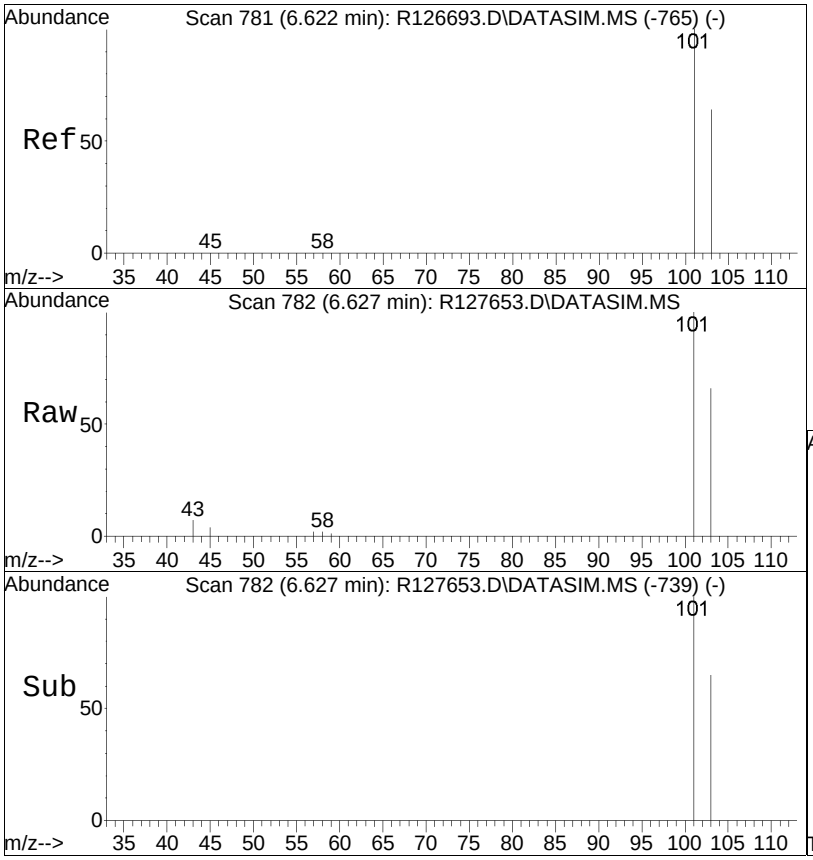


#12
acetone
Concen: 3.38 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 43 Resp: 97430

Ion	Ratio	Lower	Upper
43	100		
58	22.9	20.0	30.0
57	3.9	0.6	1.0#

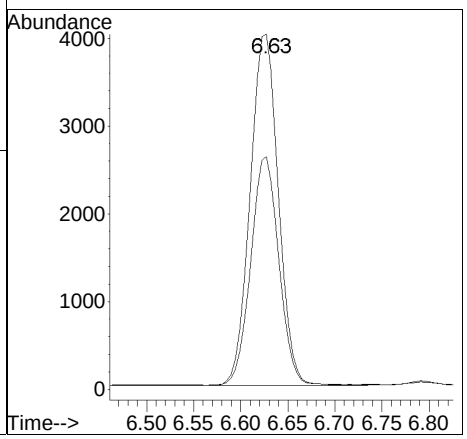


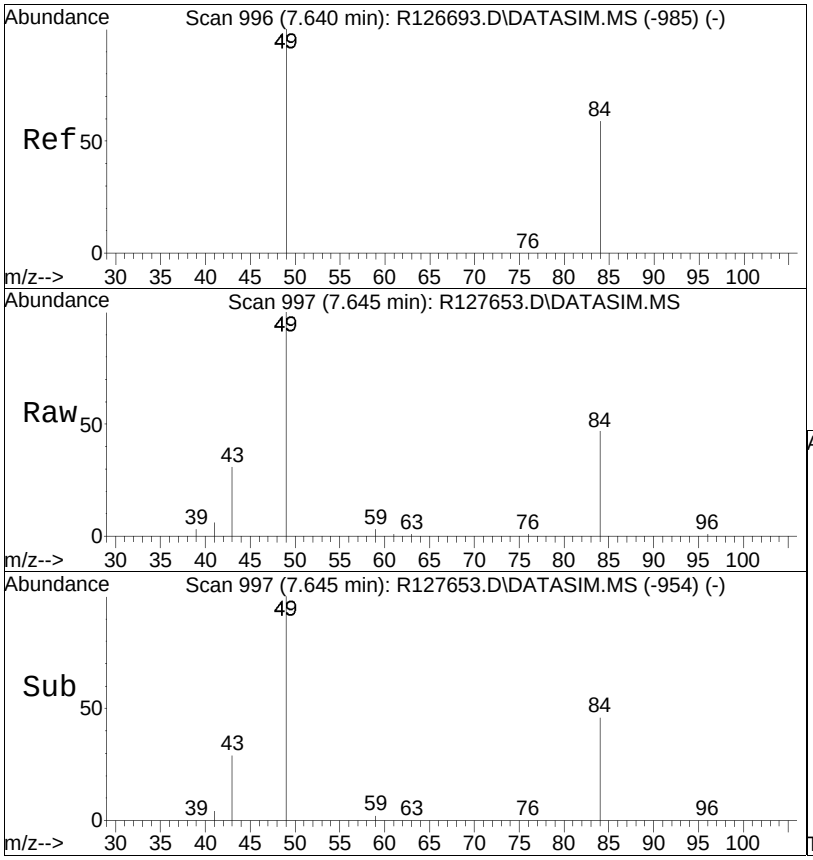


#13
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 6.63 min Scan# 782
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:101 Resp: 8349

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

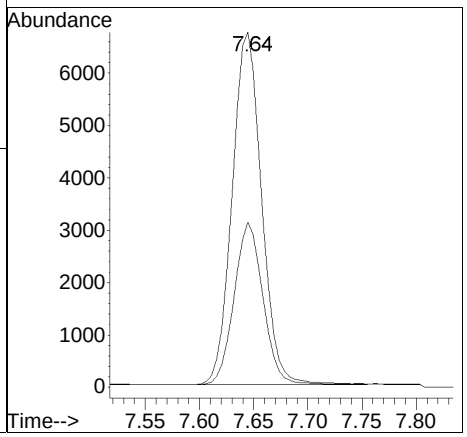


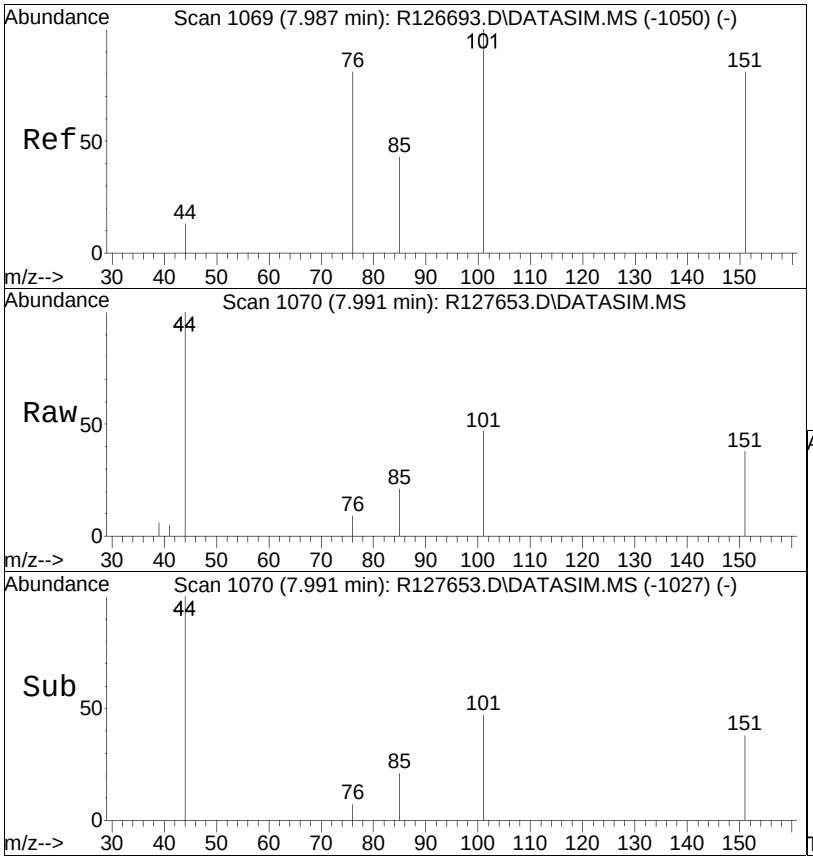


#17
methylene chloride
Concen: 0.53 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 49 Resp: 12677

Ion	Ratio	Lower	Upper
49	100		
84	46.5	37.2	55.8

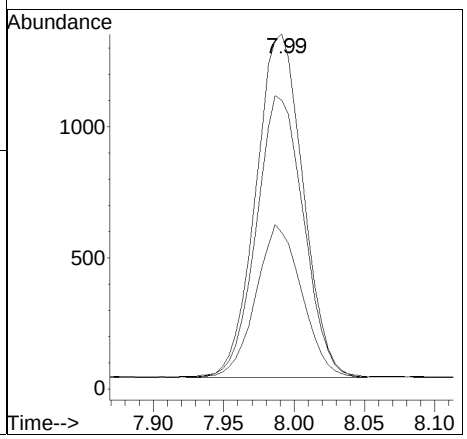


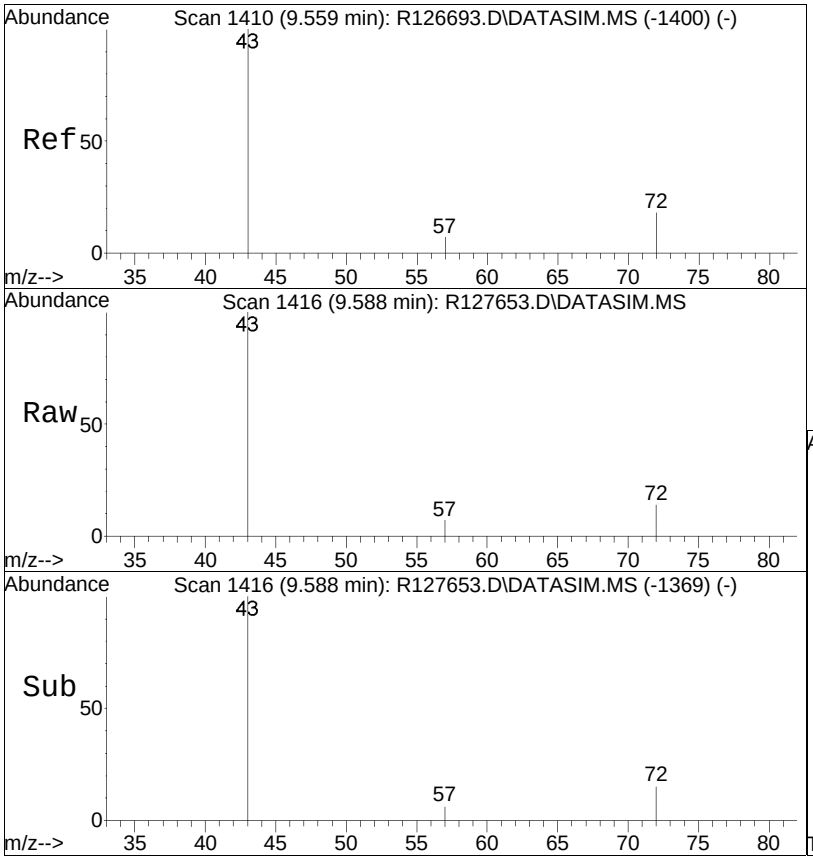


#20
Freon 113
Concen: 0.11 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:101 Resp: 3048

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.2	51.2
151	81.3	67.8	101.8

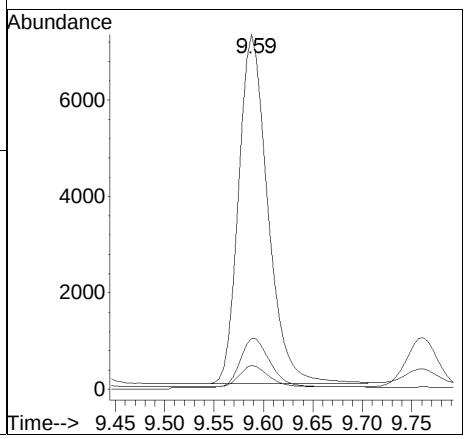


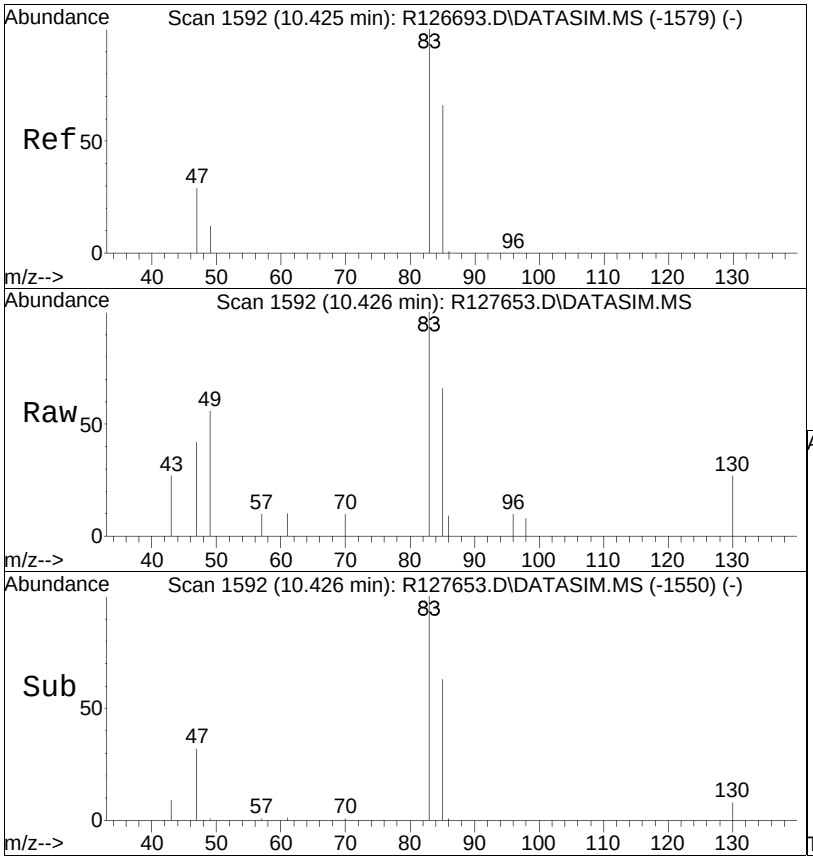


#26
2-butanone
Concen: 0.33 ppbV
RT: 9.59 min Scan# 1416
Delta R.T. 0.023 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 43 Resp: 14958

Ion	Ratio	Lower	Upper
43	100		
72	14.4	12.0	18.0
57	6.8	5.2	7.8

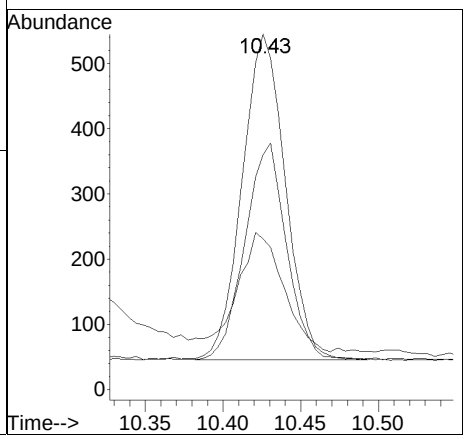


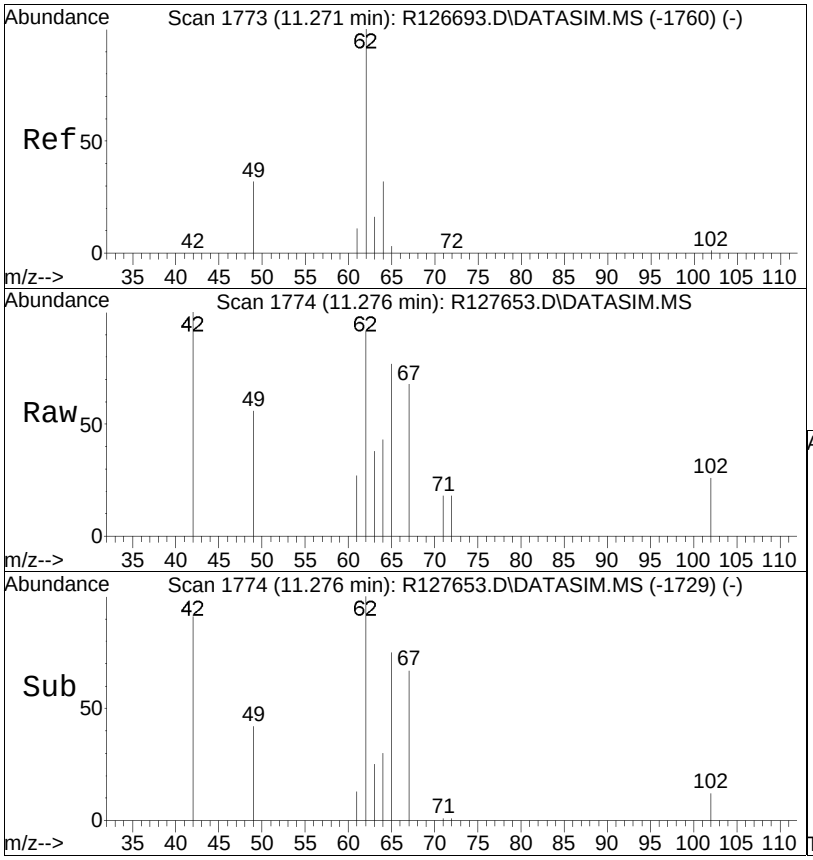


#29
chloroform
Concen: 0.03 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 83 Resp: 962

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.2
47	42.4	26.4	39.6#

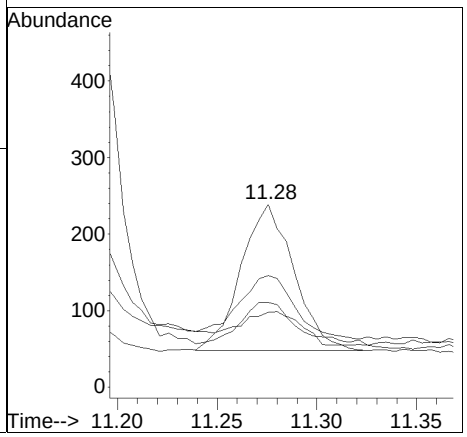


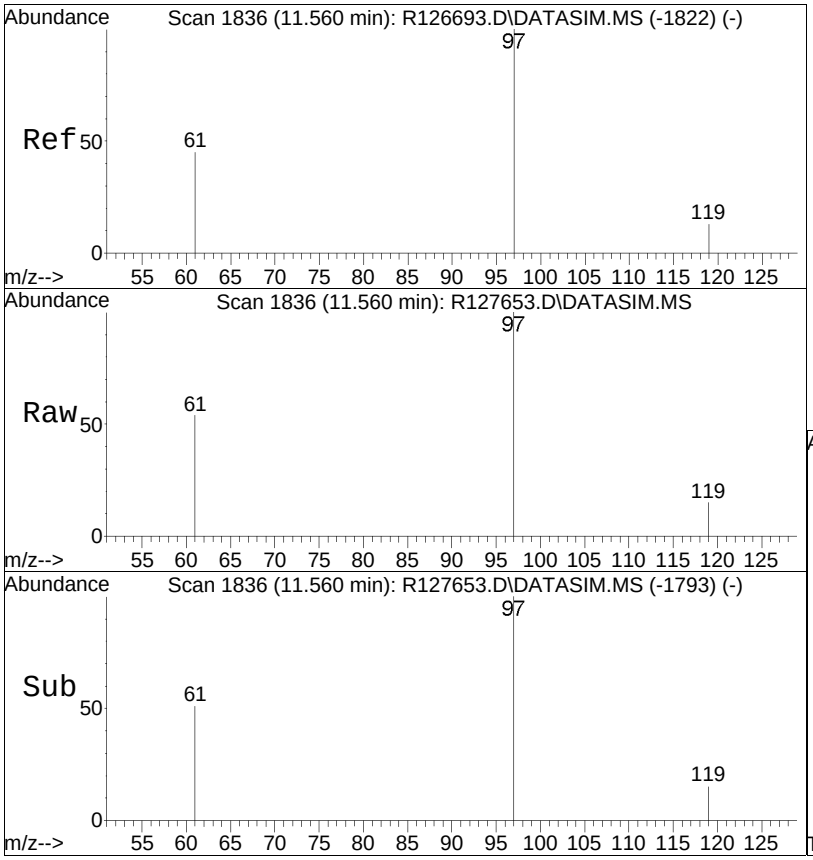


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.004 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 62 Resp: 353

Ion	Ratio	Lower	Upper
62	100		
64	46.4	25.0	37.6#
49	61.1	31.2	46.8#
63	41.0	13.3	19.9#

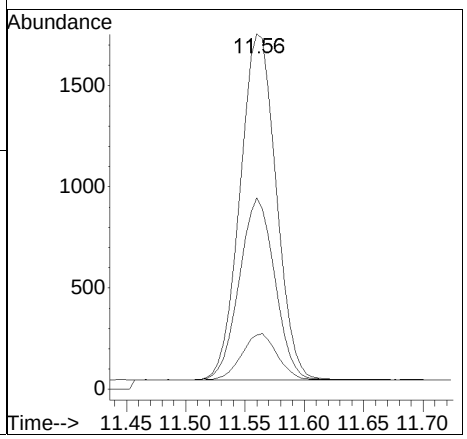


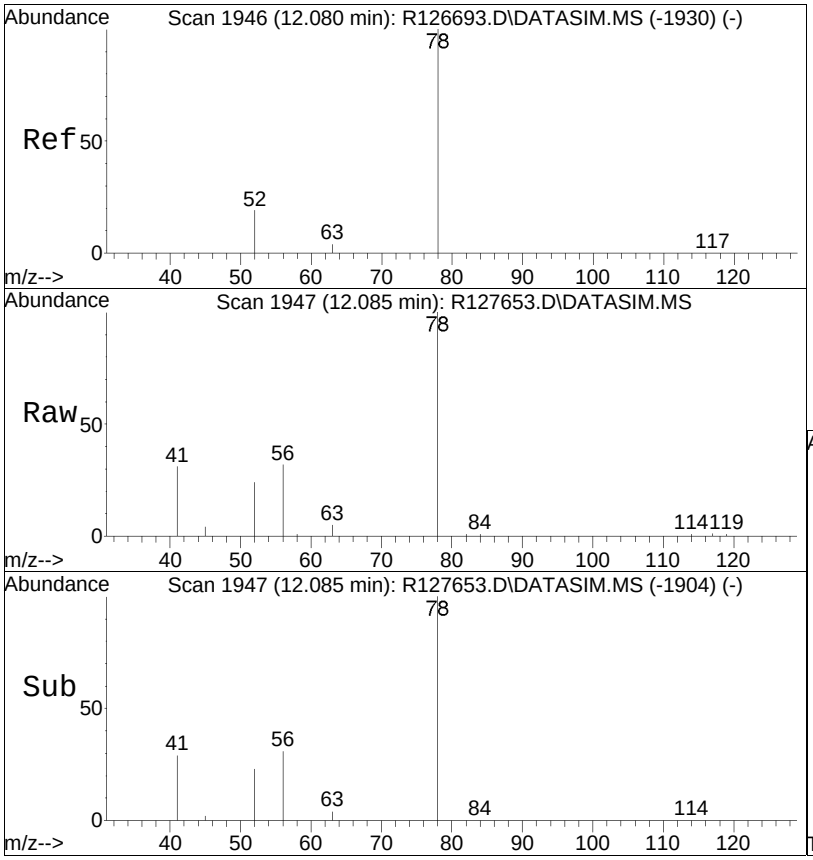


#35
1,1,1-trichloroethane
Concen: 0.12 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 97 Resp: 3614

Ion	Ratio	Lower	Upper
97	100		
61	53.9	38.6	58.0
119	15.3	11.0	16.6

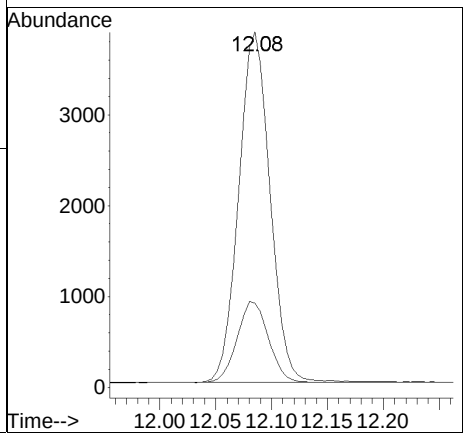


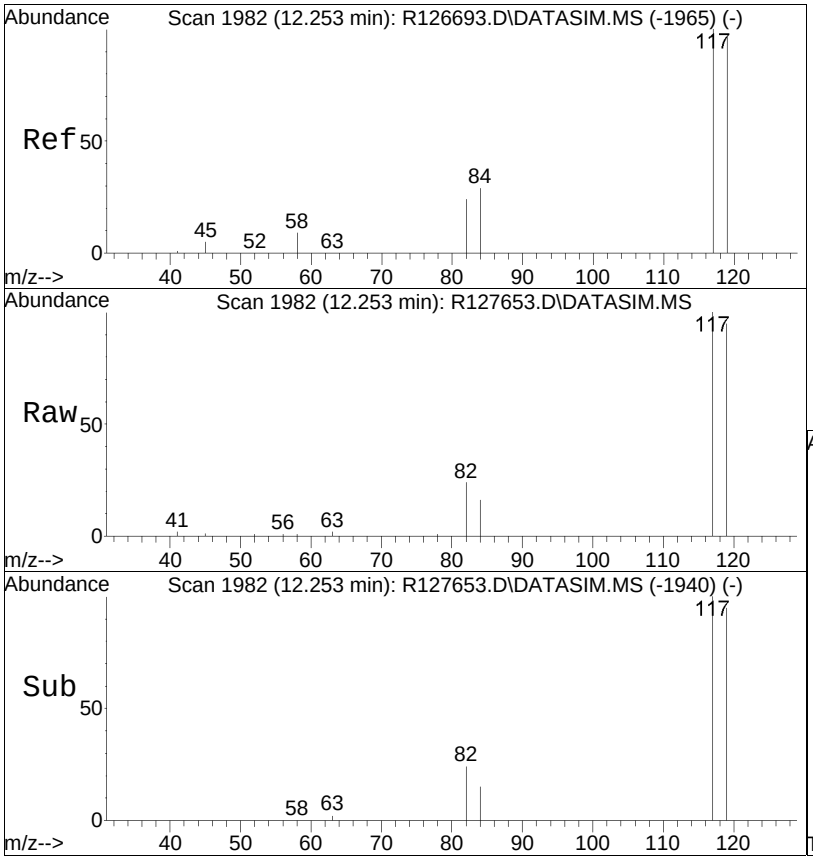


#36
benzene
Concen: 0.18 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 78 Resp: 7515

Ion	Ratio	Lower	Upper
78	100		
52	23.7	18.5	27.7

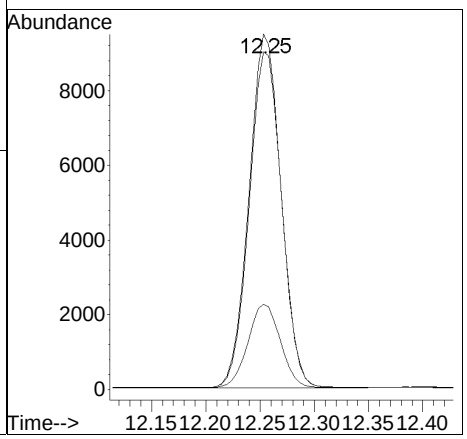


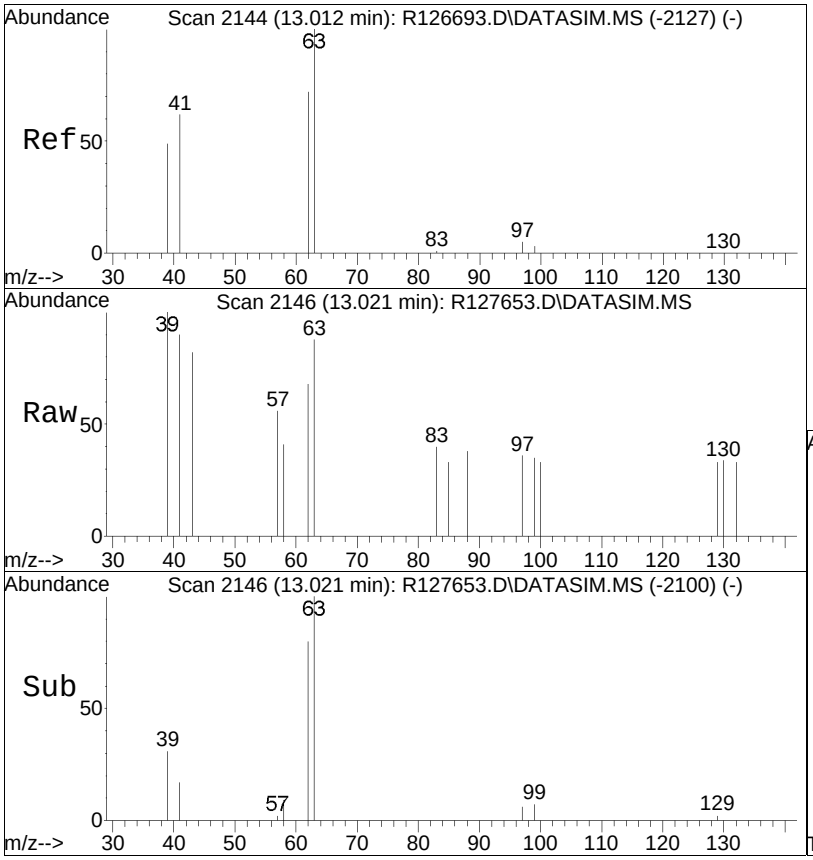


#37
carbon tetrachloride
Concen: 0.61 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:117 Resp: 19438

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.4	116.0
82	24.0	18.2	27.2

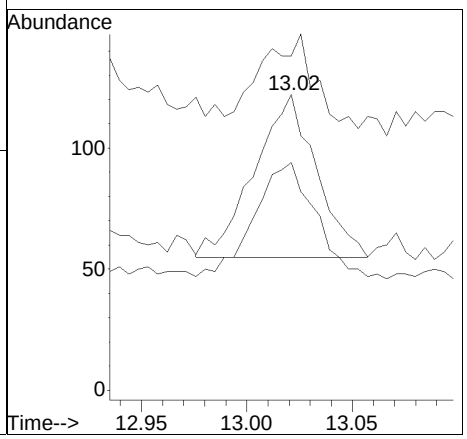


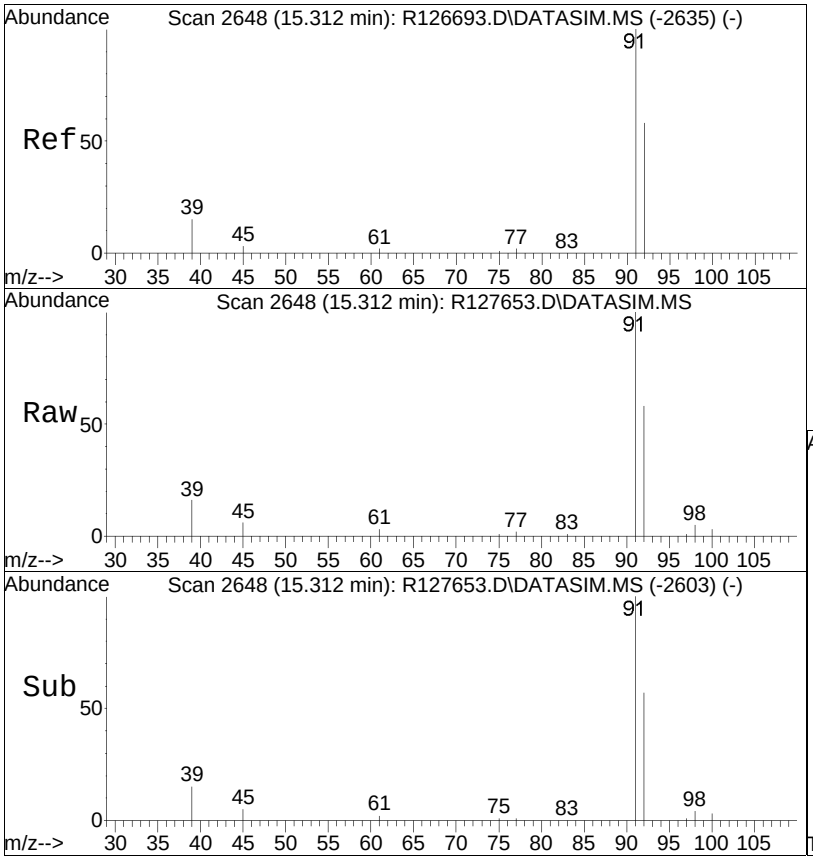


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.02 min Scan# 2146
Delta R.T. 0.009 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 63 Resp: 136

Ion	Ratio	Lower	Upper
63	100		
62	77.0	59.4	89.2
39	113.1	35.9	53.9#

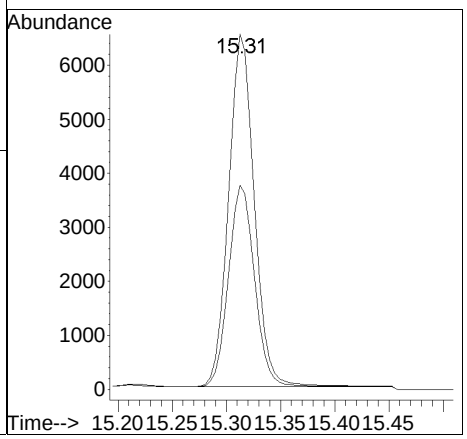


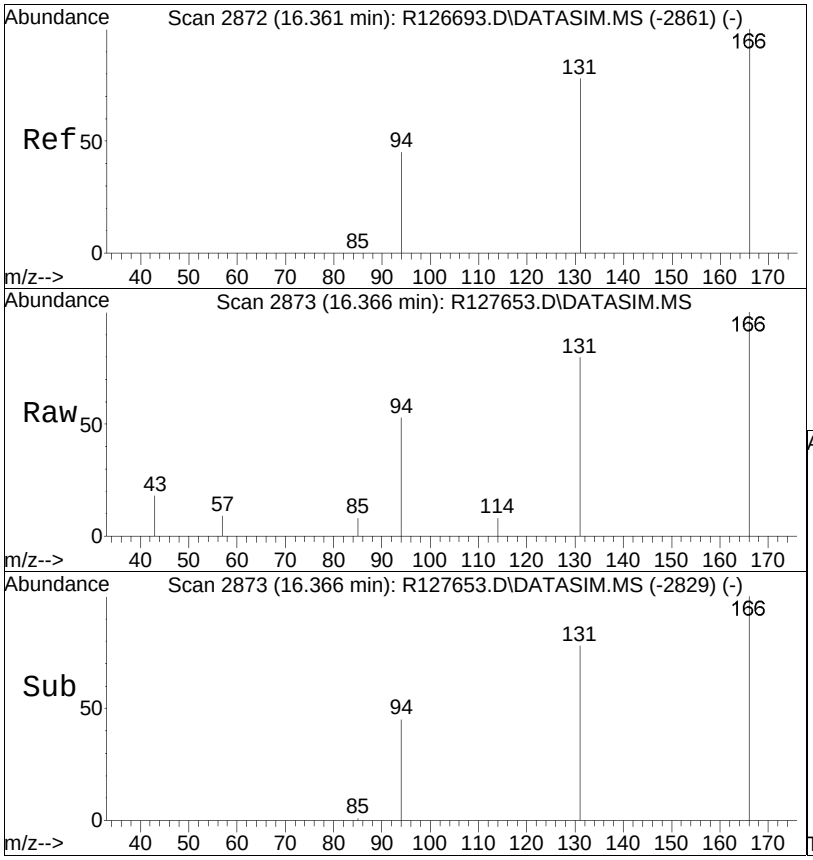


#50
toluene
Concen: 0.20 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 91 Resp: 10766

Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.4	69.6

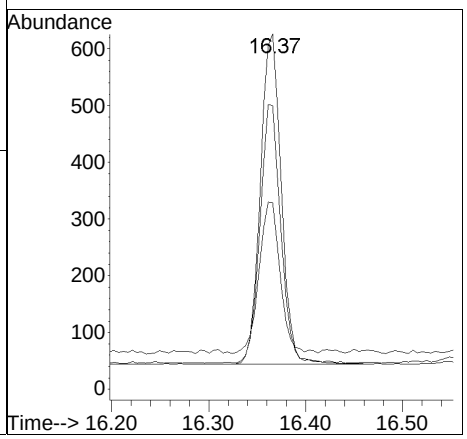


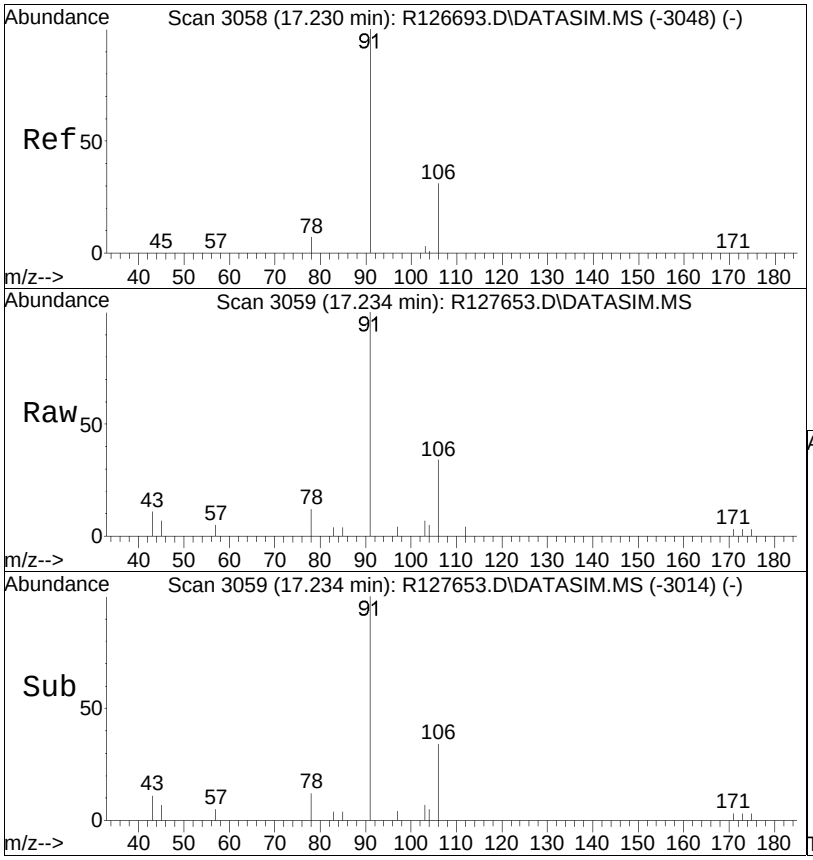


#55
tetrachloroethene
Concen: 0.03 ppbV
RT: 16.37 min Scan# 2873
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:166 Resp: 873

Ion	Ratio	Lower	Upper
166	100		
131	79.9	60.6	90.8
94	52.6	32.2	48.2#

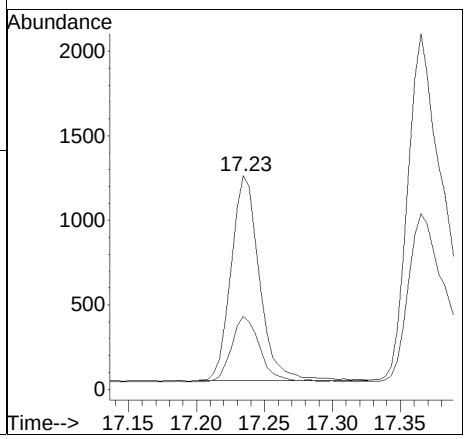


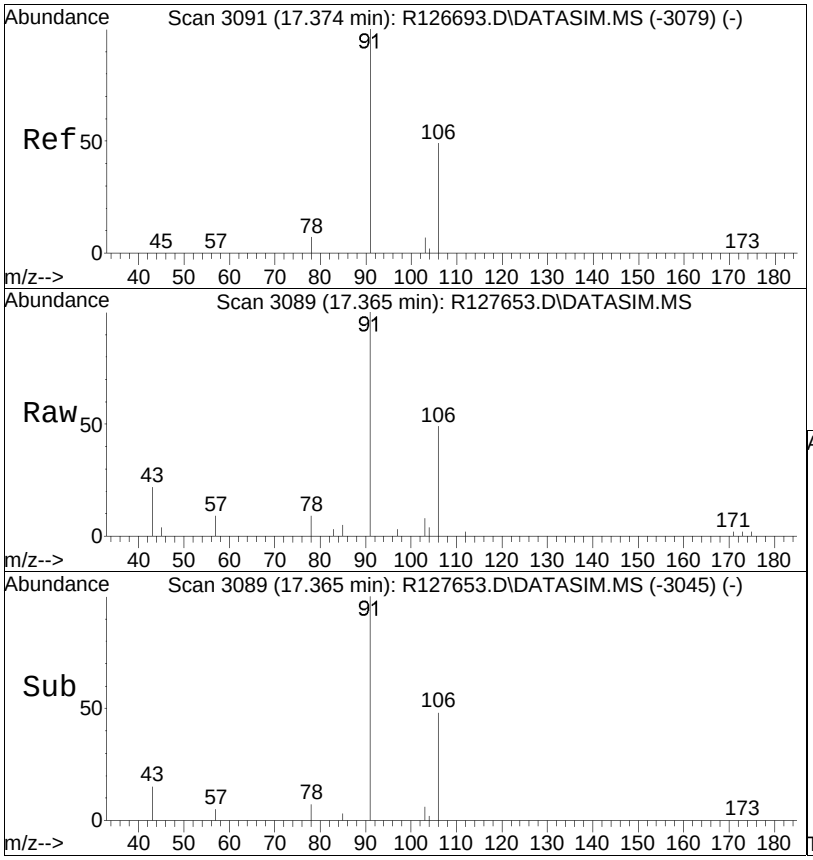


#58
ethylbenzene
Concen: 0.03 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 91 Resp: 1765

Ion	Ratio	Lower	Upper
91	100		
106	34.2	25.3	37.9

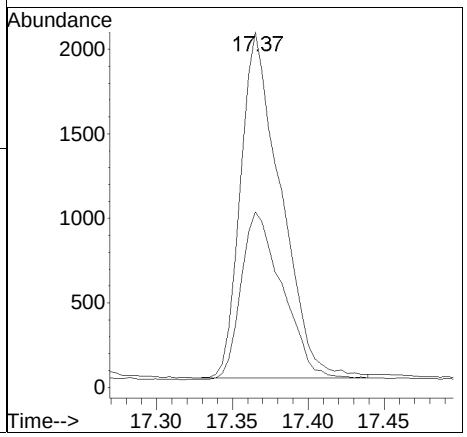


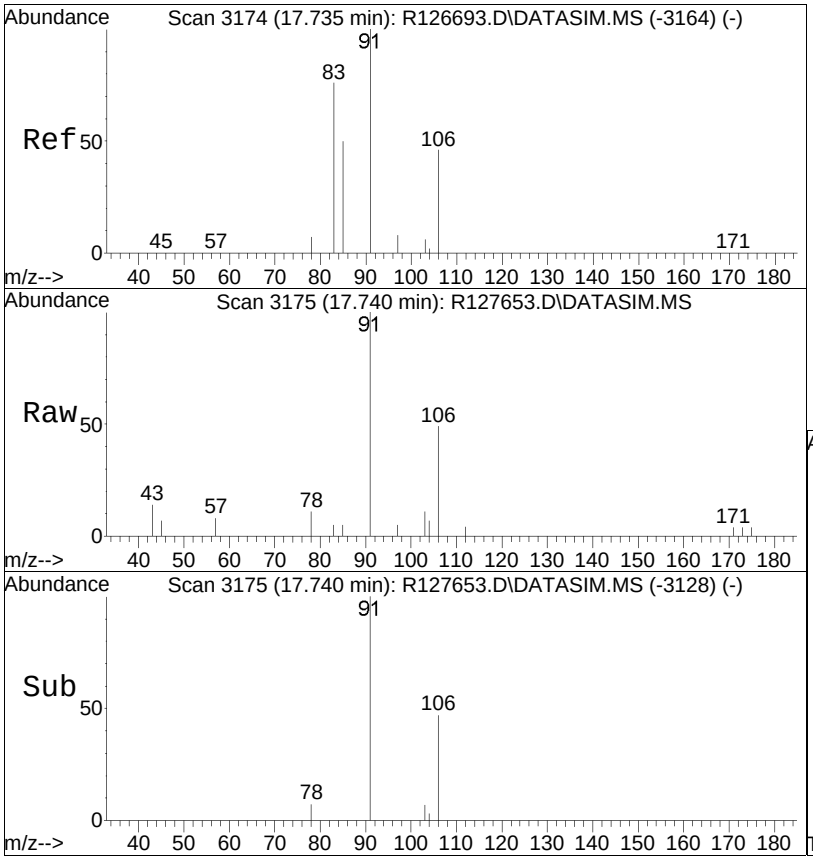


#59
m+p-xylene
Concen: 0.07 ppbV
RT: 17.37 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 91 Resp: 3771

Ion	Ratio	Lower	Upper
91	100		
106	49.4	40.0	60.0

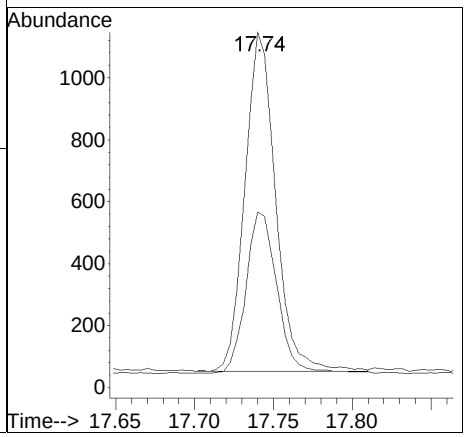


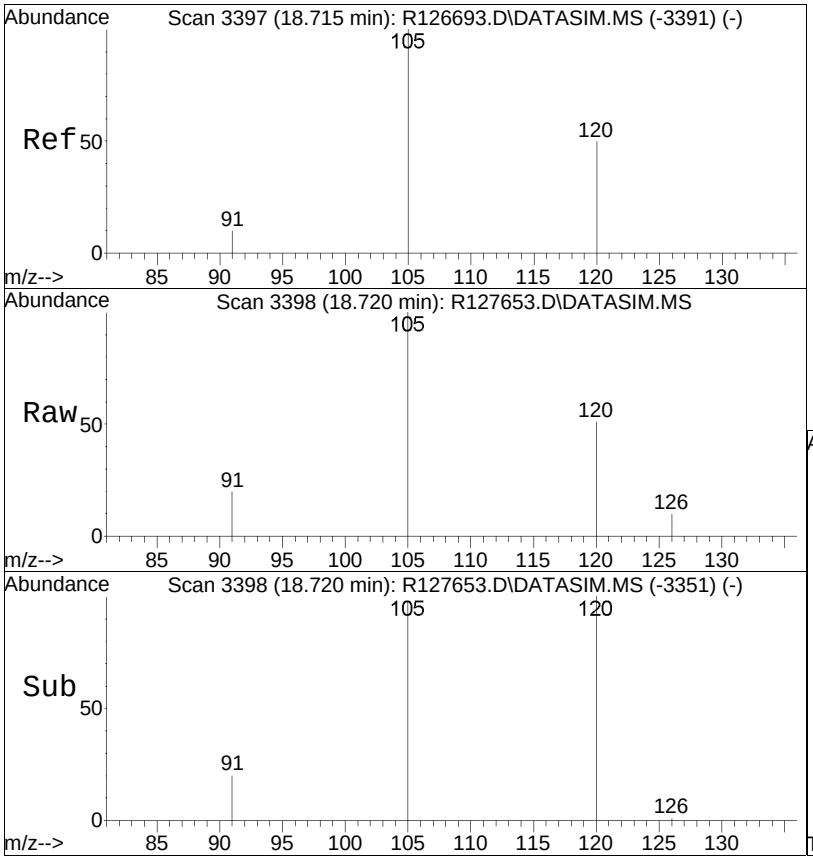


#63
o-xylene
Concen: 0.03 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion: 91 Resp: 1483

Ion	Ratio	Lower	Upper
91	100		
106	49.4	37.1	55.7

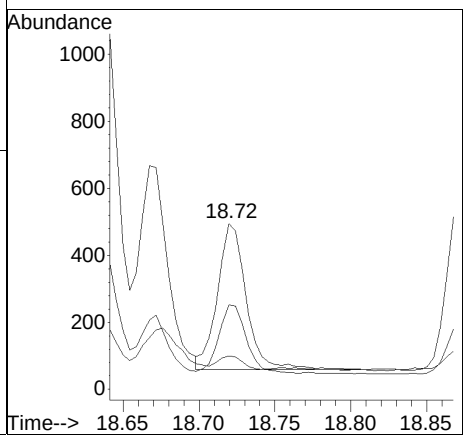


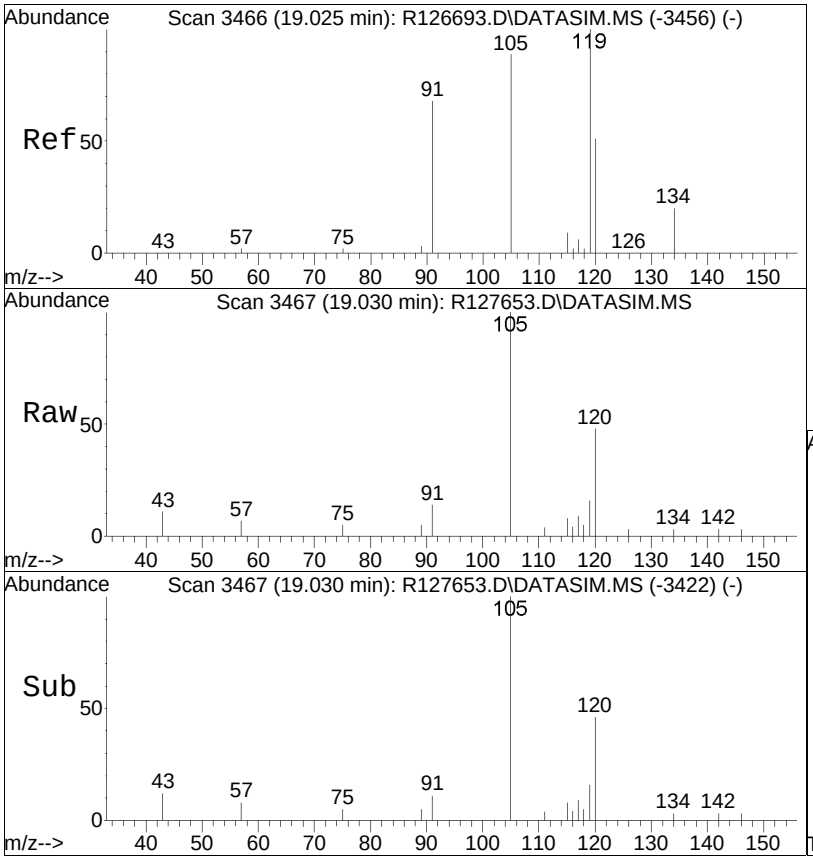


#67
1,3,5-trimethylbenzene
Concen: 0.01 ppbV
RT: 18.72 min Scan# 3398
Delta R.T. 0.004 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:105 Resp: 577

Ion	Ratio	Lower	Upper
105	100		
120	50.9	39.0	58.4
91	20.2	8.0	12.0#

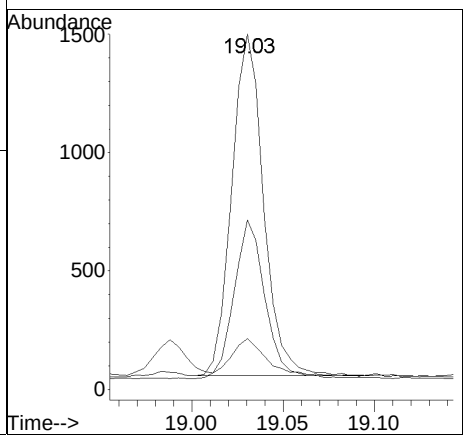


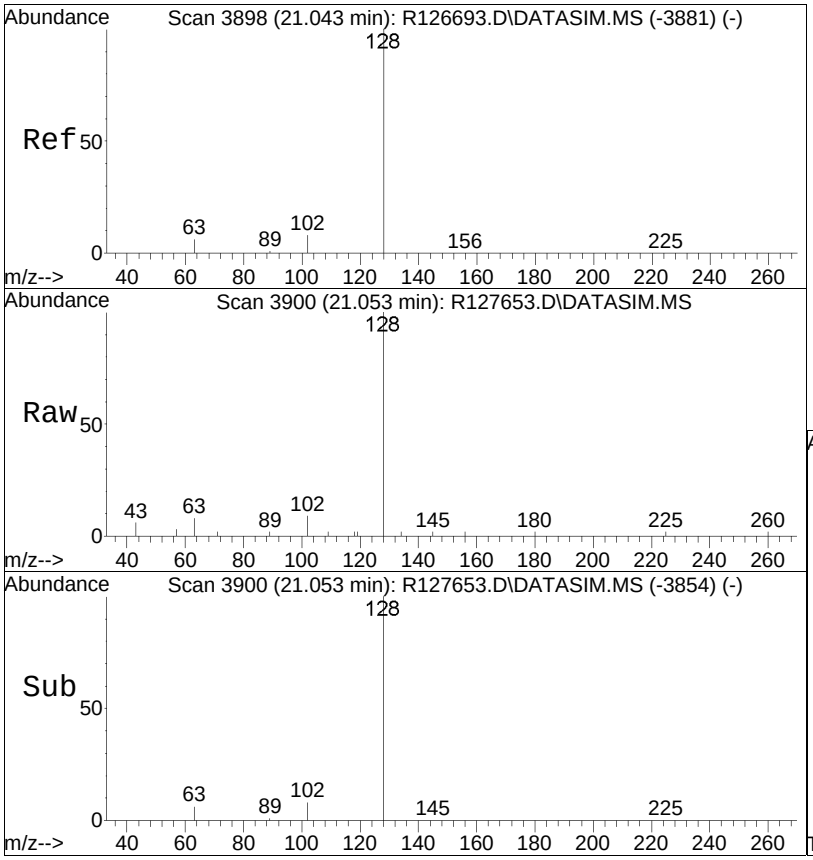


#69
1,2,4-trimethylbenzene
Concen: 0.03 ppbV
RT: 19.03 min Scan# 3467
Delta R.T. 0.005 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:105 Resp: 1749

Ion	Ratio	Lower	Upper
105	100		
120	47.7	44.9	67.3
91	14.3	58.6	88.0#

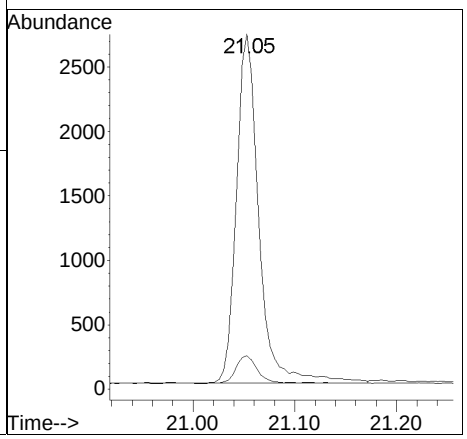




#78
naphthalene
Concen: 0.04 ppbV
RT: 21.05 min Scan# 3900
Delta R.T. 0.009 min
Lab File: R127653.D
Acq: 12 Apr 2013 11:34 pm

Tgt Ion:128 Resp: 4152

Ion	Ratio	Lower	Upper
128	100		
102	9.5	6.2	9.2#

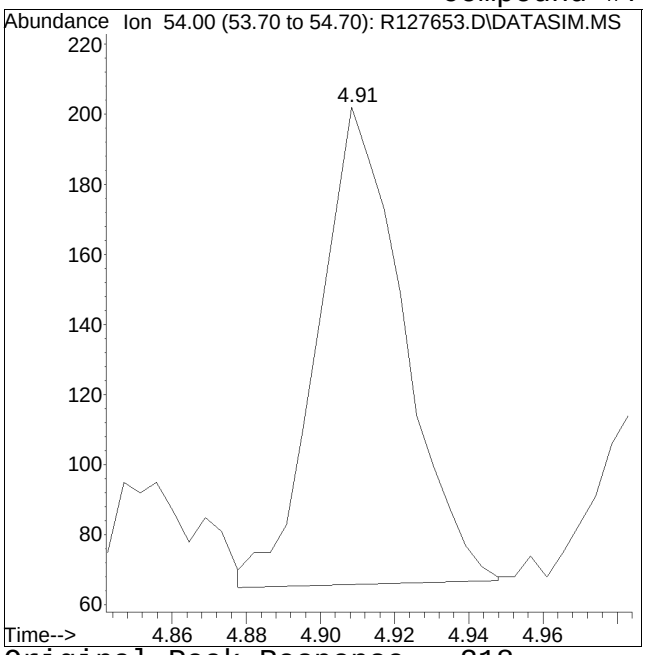


Manual Integration/Negative Proof Report

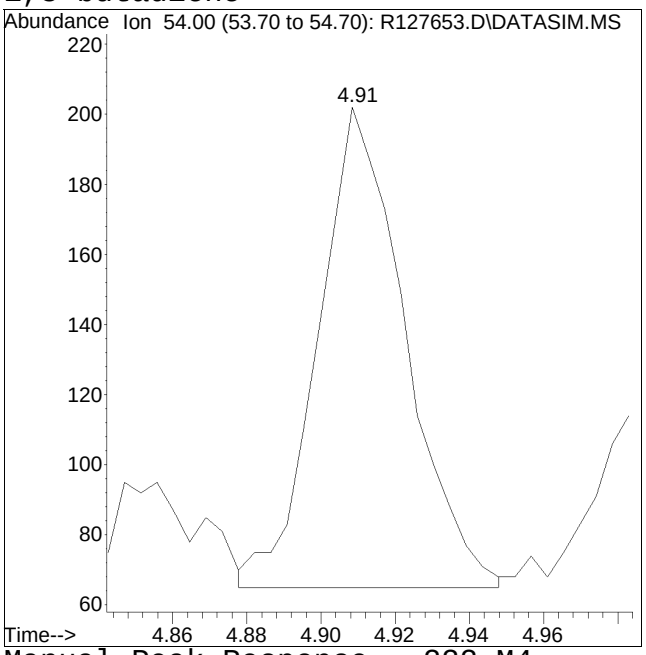
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #7: 1,3-butadiene



Original Peak Response = 218



Manual Peak Response = 222 M4

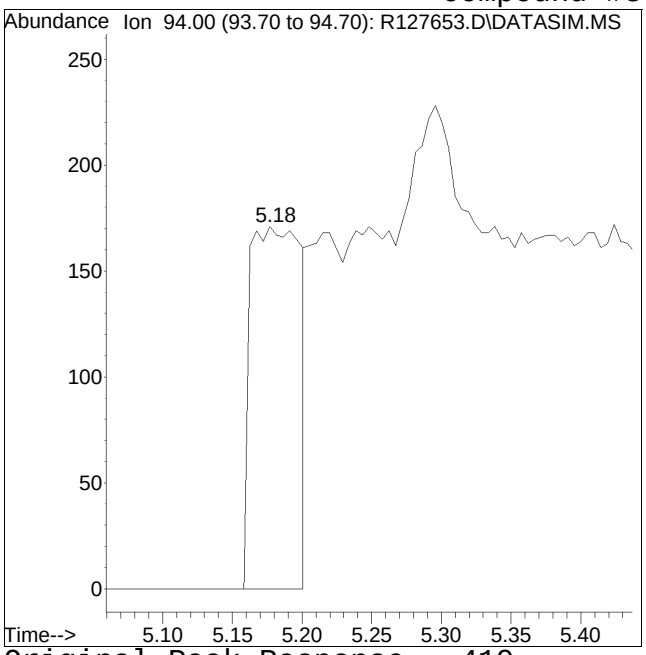
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

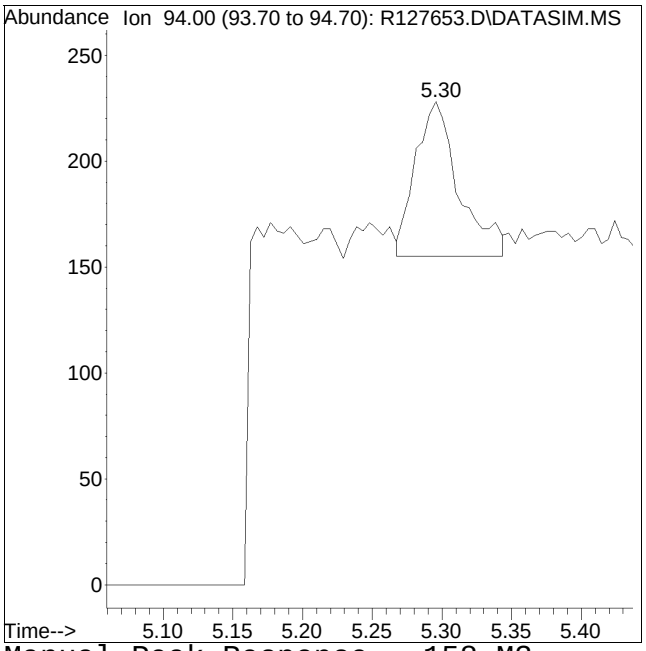
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #8: bromomethane



Original Peak Response = 419



Manual Peak Response = 158 M3

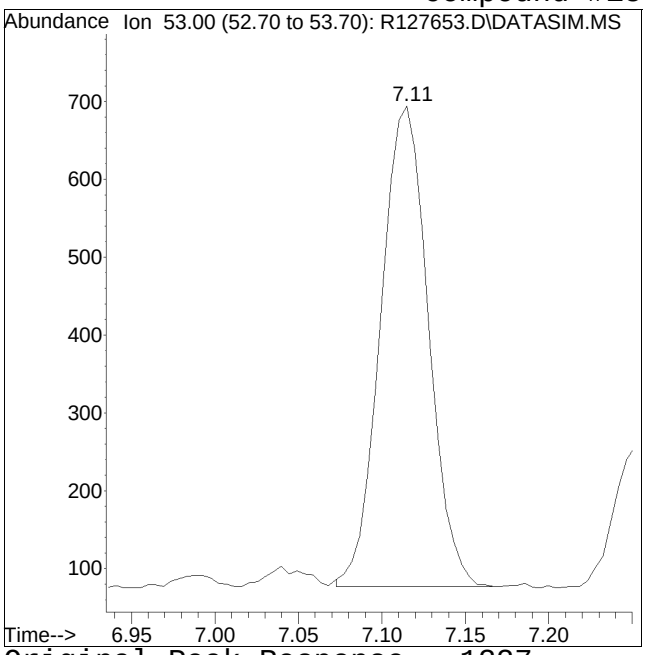
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

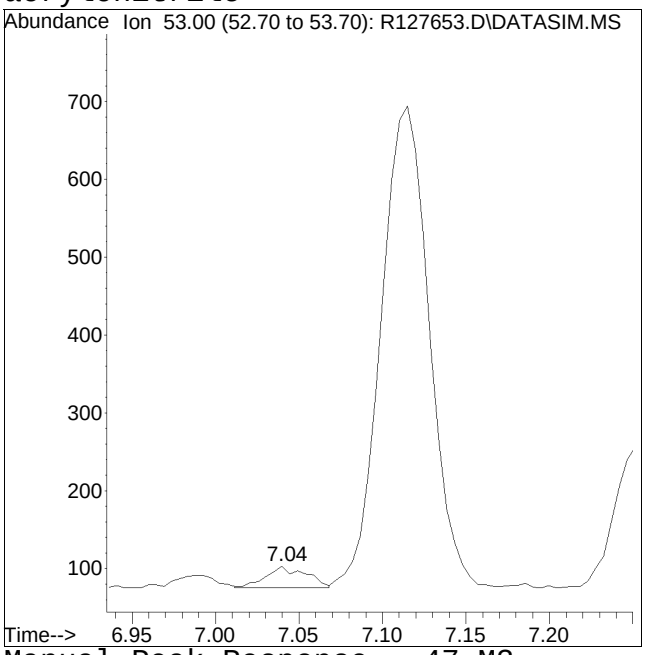
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #15: acrylonitrile





Original Peak Response = 1227 Manual Peak Response = 47 M3

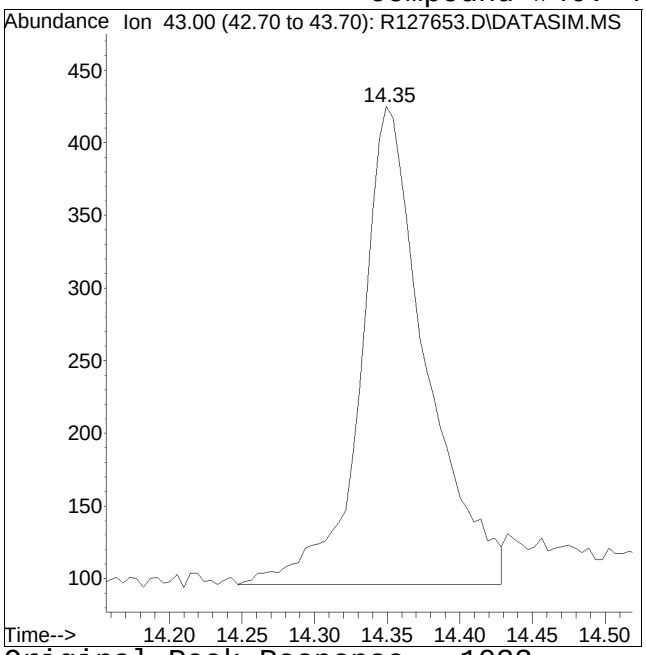
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

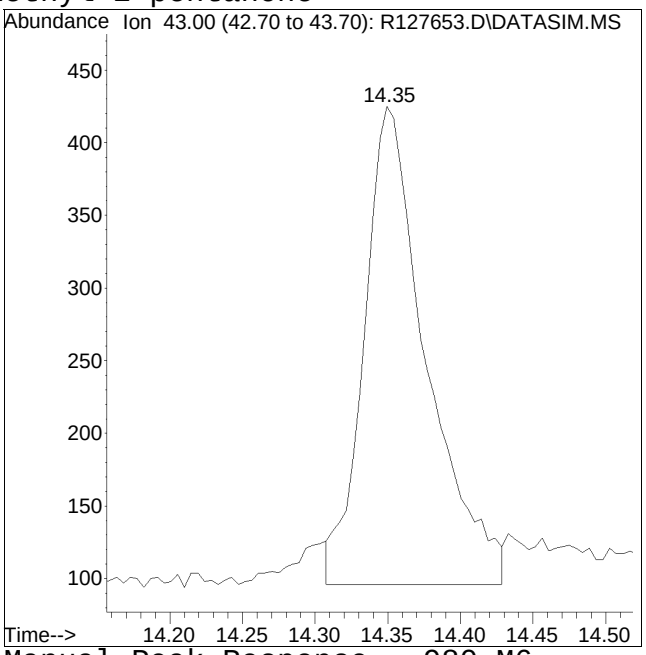
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 1033



Manual Peak Response = 980 M6

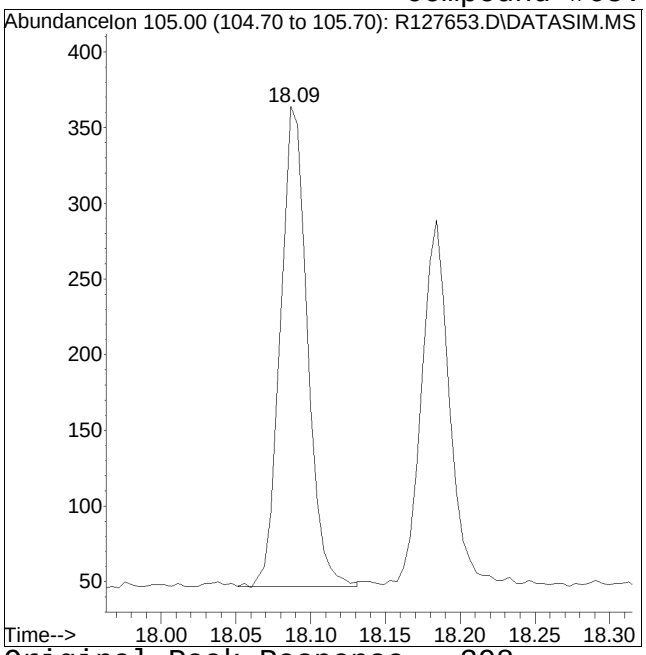
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

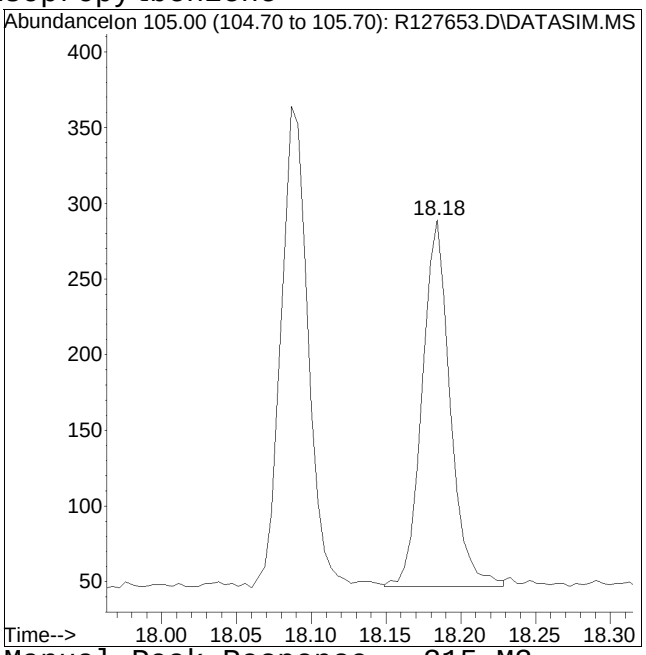
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #65: isopropylbenzene





Original Peak Response = 398 Manual Peak Response = 315 M3

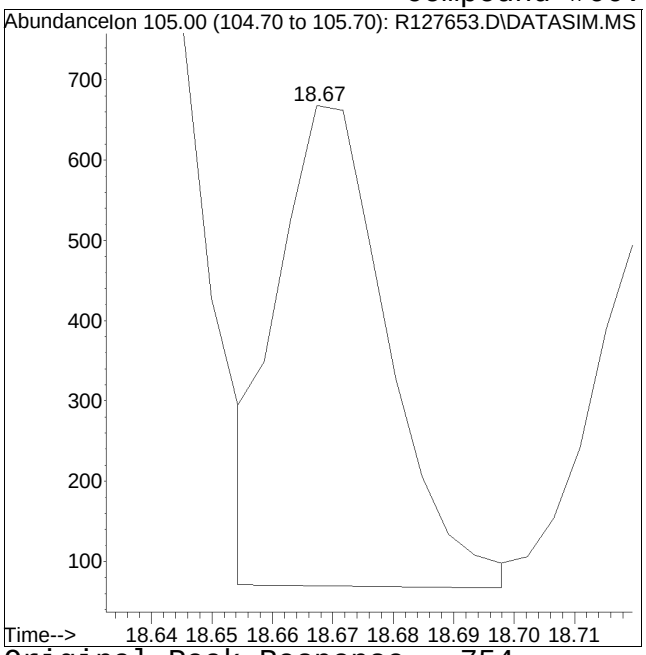
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

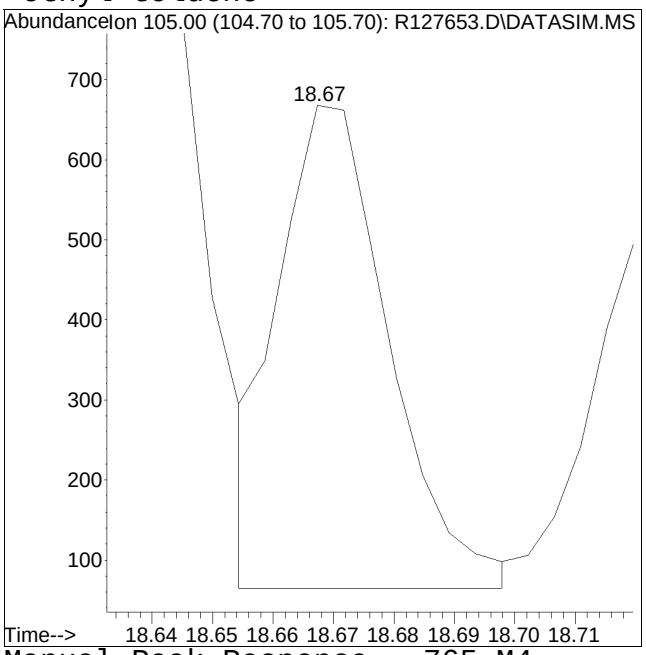
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #66: 4-ethyl toluene



Original Peak Response = 754



Manual Peak Response = 765 M4

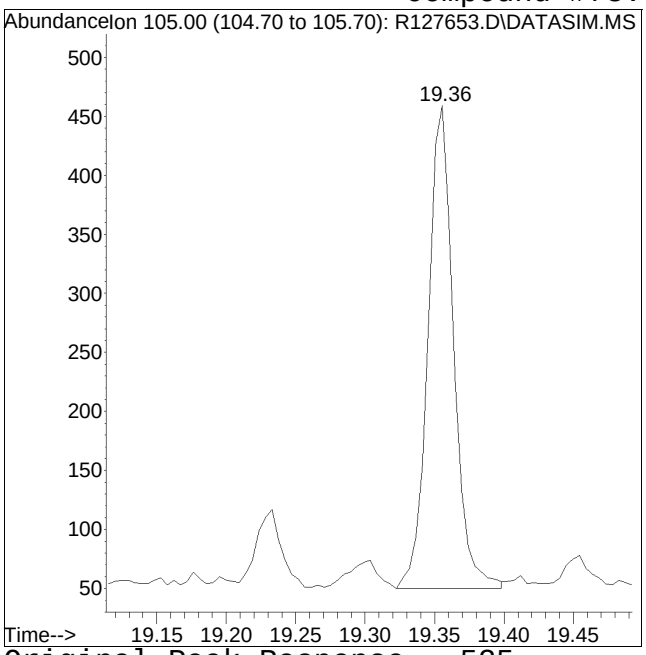
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

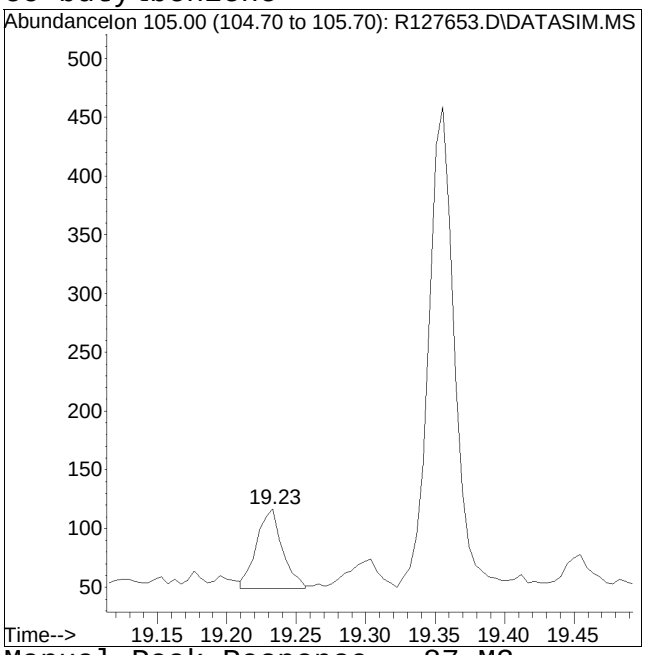
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127653.D
Date Inj'd : 4/12/2013 11:34 pm
Sample : L1306330-20,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #73: sec-butylbenzene



Original Peak Response = 525



Manual Peak Response = 87 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127654.D
Acq On : 13 Apr 2013 12:06 am
Operator : AIRPIANO1:MB
Sample : L1306330-24,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 16 09:54:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	232886	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 86.63%			
32) 1,4-difluorobenzene	12.49	114	536211	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 98.01%			
49) chlorobenzene-D5	16.90	54	134696	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 101.49%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13687	0.454	ppbV	100
4) chloromethane	4.40	50	9076	0.572	ppbV	99
5) Freon-114	4.55	85	503	0.015	ppbV #	94
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	578	0.054	ppbV #	75
8) bromomethane	5.29	94	122M4	0.010	ppbV	
9) chloroethane	5.55	64	46	0.008	ppbV #	1
12) acetone	6.40	43	535080	21.235	ppbV	98
13) trichlorofluoromethane	6.63	101	8440	0.233	ppbV	100
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	8461	0.402	ppbV	99
20) Freon 113	7.99	101	1830	0.073	ppbV	97
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.18		0	N.D.		
26) 2-butanone	9.58	43	29422	0.745	ppbV	97
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	474	0.017	ppbV #	82
31) 1,2-dichloroethane	11.27	62	356	0.017	ppbV #	61
35) 1,1,1-trichloroethane	11.56	97	389	0.014	ppbV #	77
36) benzene	12.09	78	7793	0.184	ppbV	98
37) carbon tetrachloride	12.25	117	2267	0.072	ppbV #	98
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	13.22		0	N.D.		
42) trichloroethene	13.28	130	2369	0.114	ppbV	96
45) cis-1,3-dichloropropene	14.25		0	N.D.		
46) 4-methyl-2-pentanone	14.33	43	20394	0.424	ppbV	98
47) trans-1,3-dichloropropene	14.83		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127654.D
Acq On : 13 Apr 2013 12:06 am
Operator : AIRPIANO1:MB
Sample : L1306330-24,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 16 09:54:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

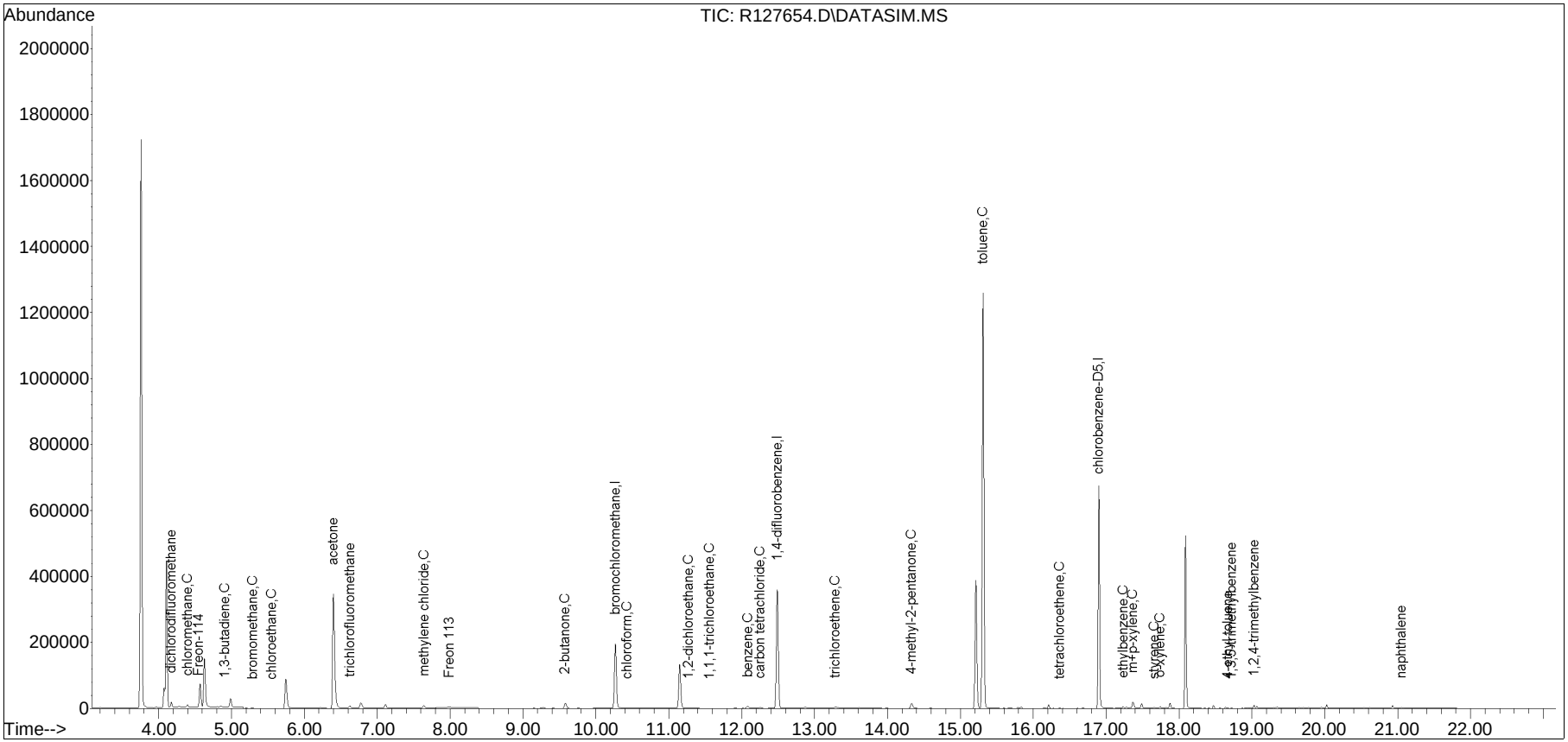
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	1113173M4	20.388	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	796	0.028	ppbV	#	89
56) 1,1,1,2-tetrachloroethane	16.91		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	4672	0.067	ppbV		96
59) m+p-xylene	17.37	91	11944	0.220	ppbV		99
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	647	0.015	ppbV	#	87
62) 1,1,2,2-tetrachloroethane	17.73		0	N.D.			
63) o-xylene	17.74	91	3939	0.070	ppbV		99
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.67	105	1866	0.023	ppbV	#	89
67) 1,3,5-trimethylbenzene	18.72	105	1636	0.024	ppbV	#	97
69) 1,2,4-trimethylbenzene	19.03	105	5908	0.087	ppbV	#	52
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21		0	N.D.			
73) sec-butylbenzene	19.23		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.67		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	3270	0.033	ppbV	#	93
79) 1,2,3-trichlorobenzene	21.31		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

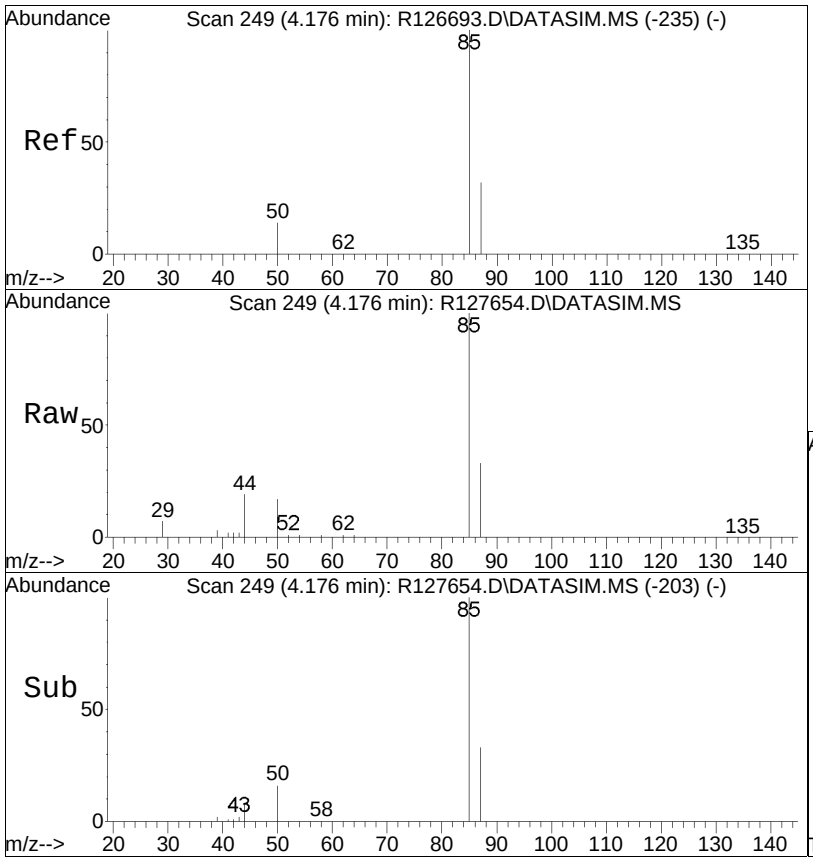
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127654.D
Acq On : 13 Apr 2013 12:06 am
Operator : AIRPIANO1:MB
Sample : L1306330-24,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 16 09:54:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

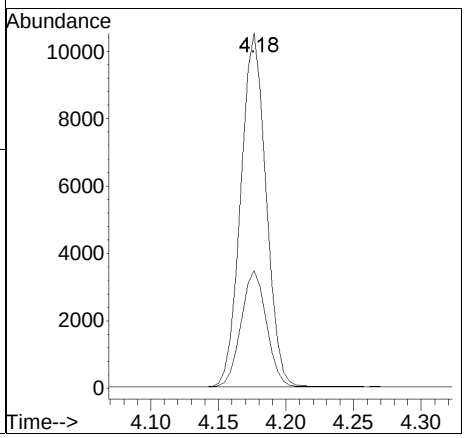


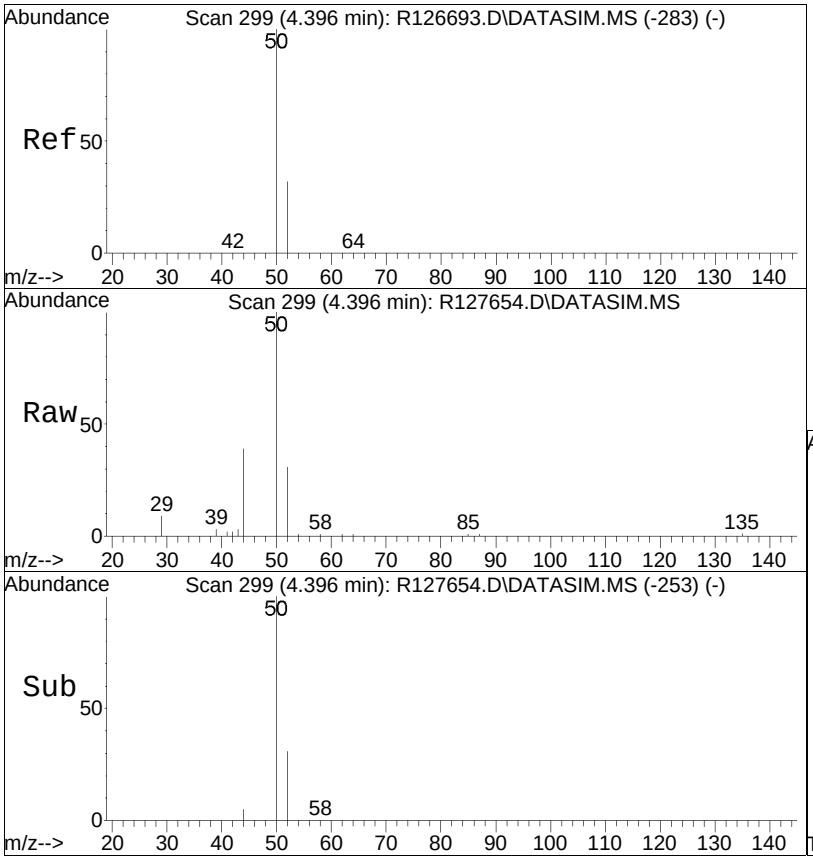


#3
dichlorodifluoromethane
Concen: 0.45 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 85 Resp: 13687

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	40.0

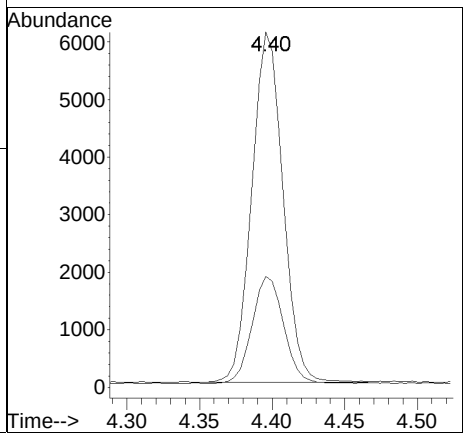


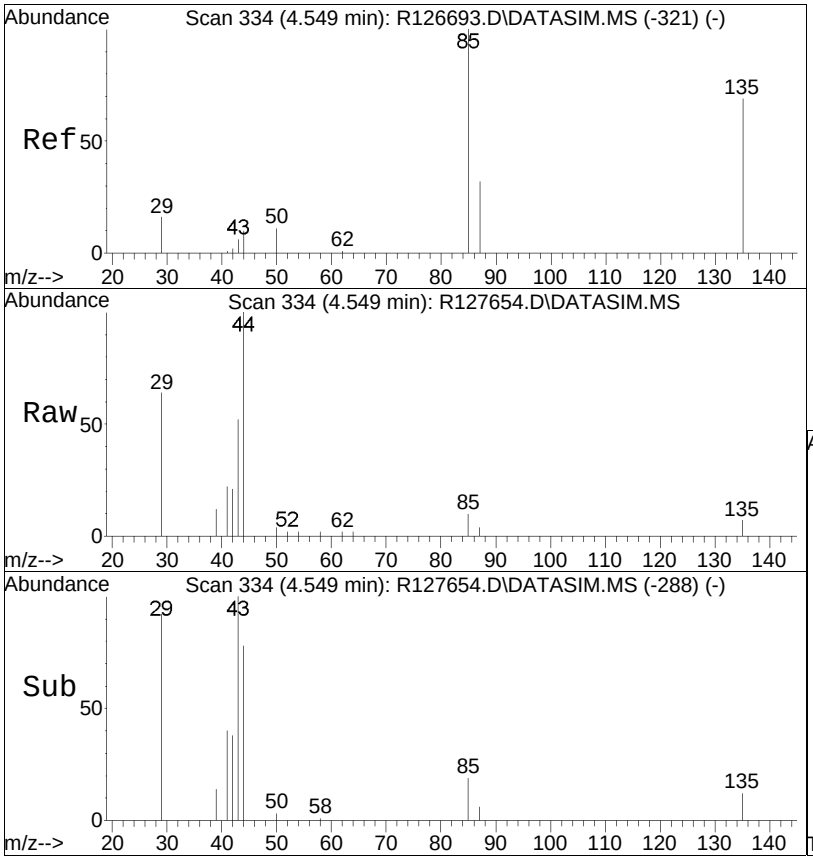


#4
chloromethane
Concen: 0.57 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 50 Resp: 9076

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.3	37.9

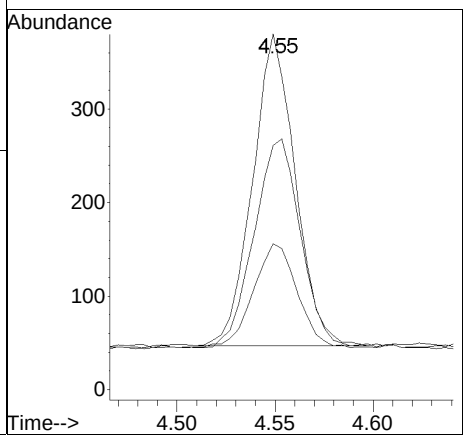


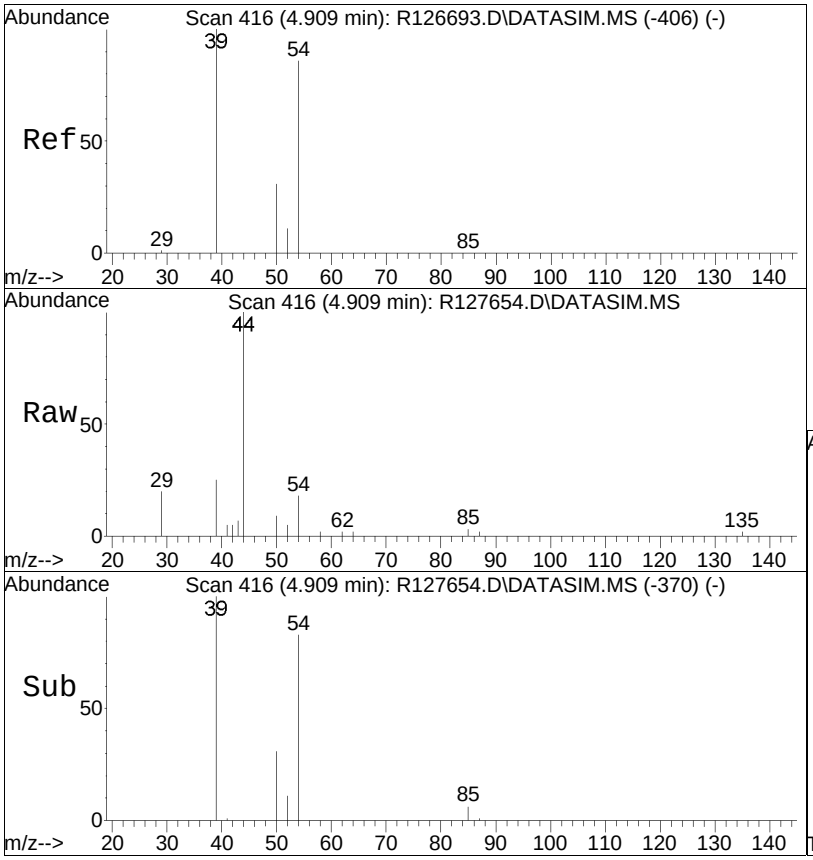


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 85 Resp: 503

Ion	Ratio	Lower	Upper
85	100		
87	41.1	26.5	39.7#
135	68.7	56.9	85.3

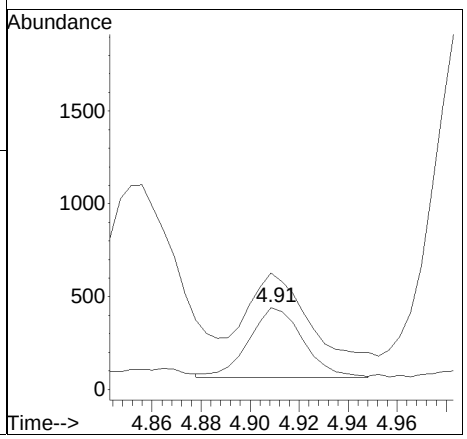


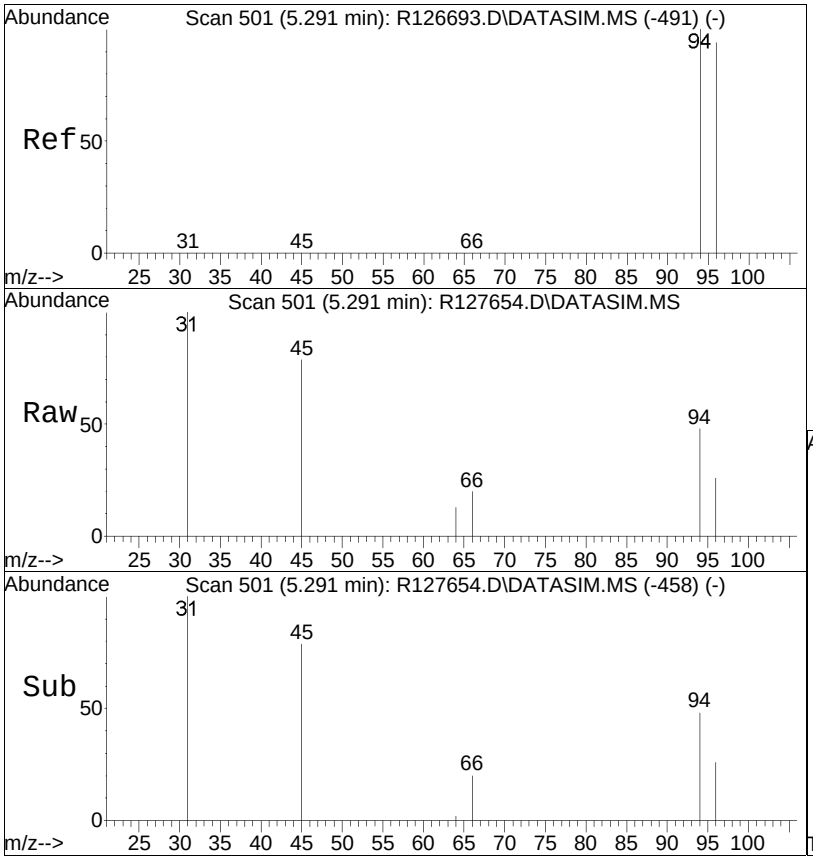


#7
1,3-butadiene
Concen: 0.05 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 54 Resp: 578

Ion	Ratio	Lower	Upper
54	100		
39	142.4	92.4	138.6#

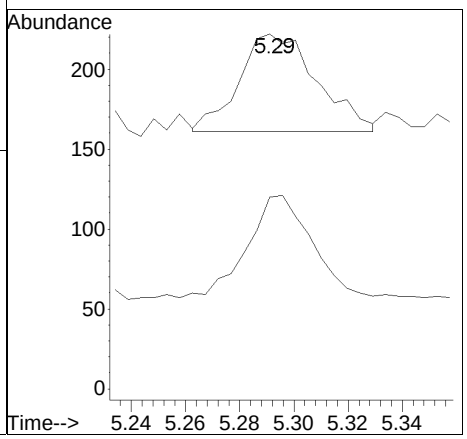


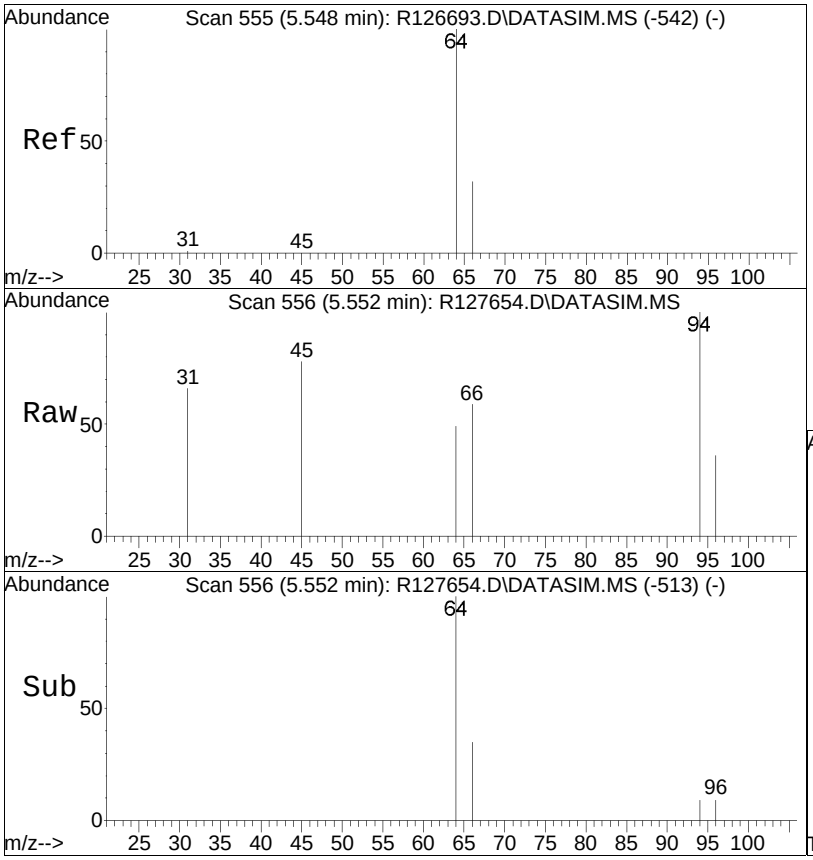


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 94 Resp: 122

Ion	Ratio	Lower	Upper
94	100		
96	54.1	76.9	115.3#

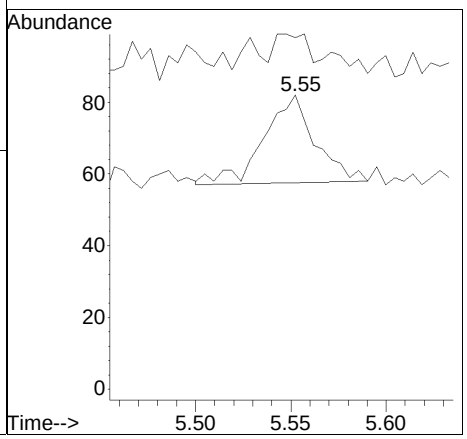


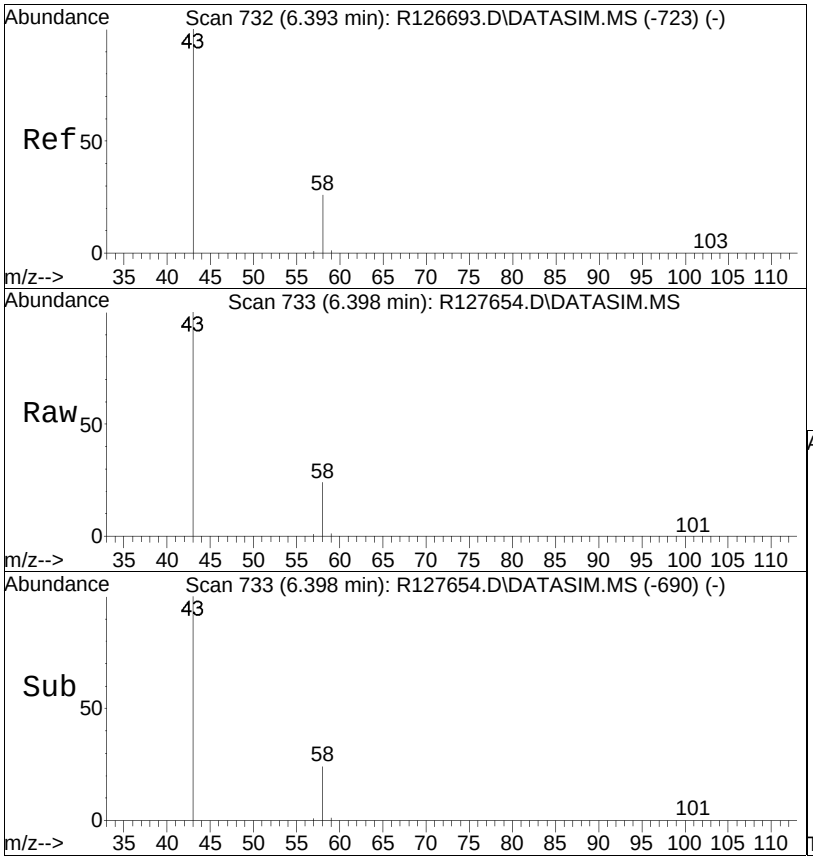


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 556
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 64 Resp: 46

Ion	Ratio	Lower	Upper
64	100		
66	119.5	25.5	38.3#

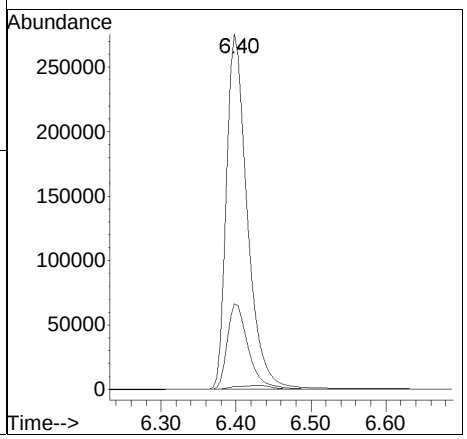


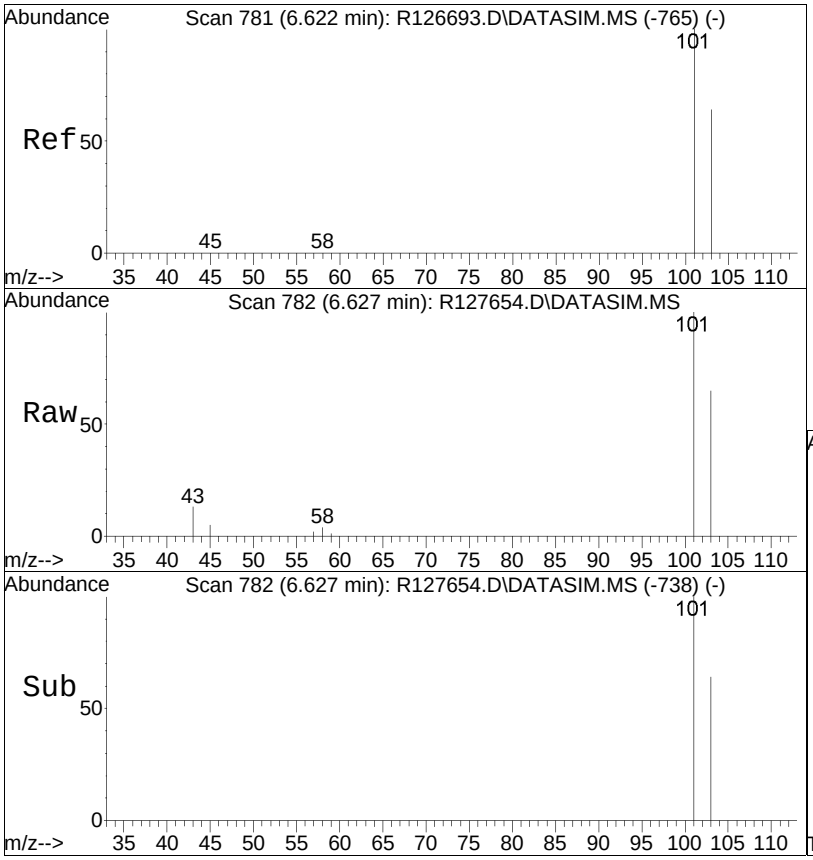


#12
acetone
Concen: 21.23 ppbV
RT: 6.40 min Scan# 733
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 43 Resp: 535080

Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.0	30.0
57	0.8	0.6	1.0

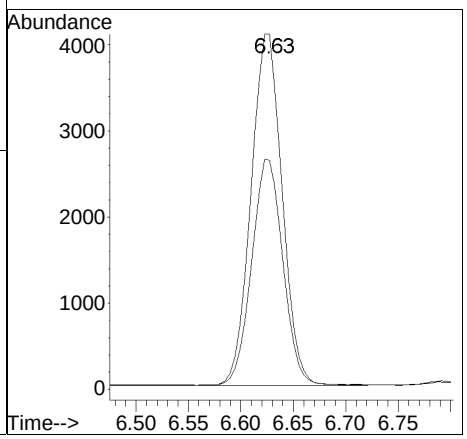


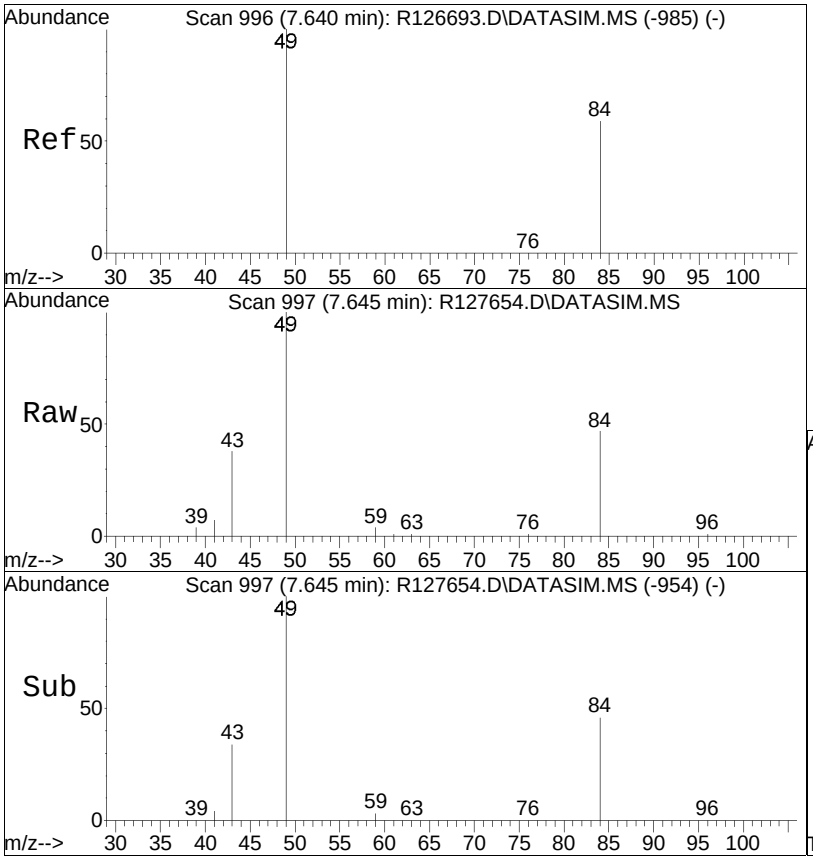


#13
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 6.63 min Scan# 782
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:101 Resp: 8440

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

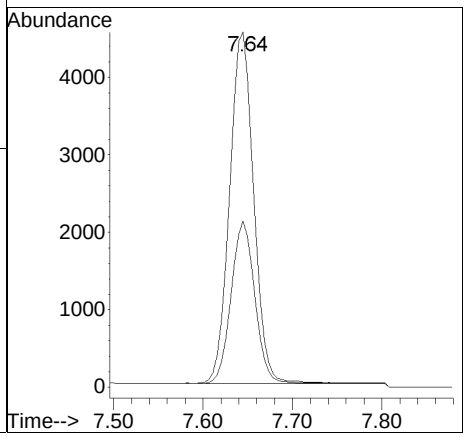


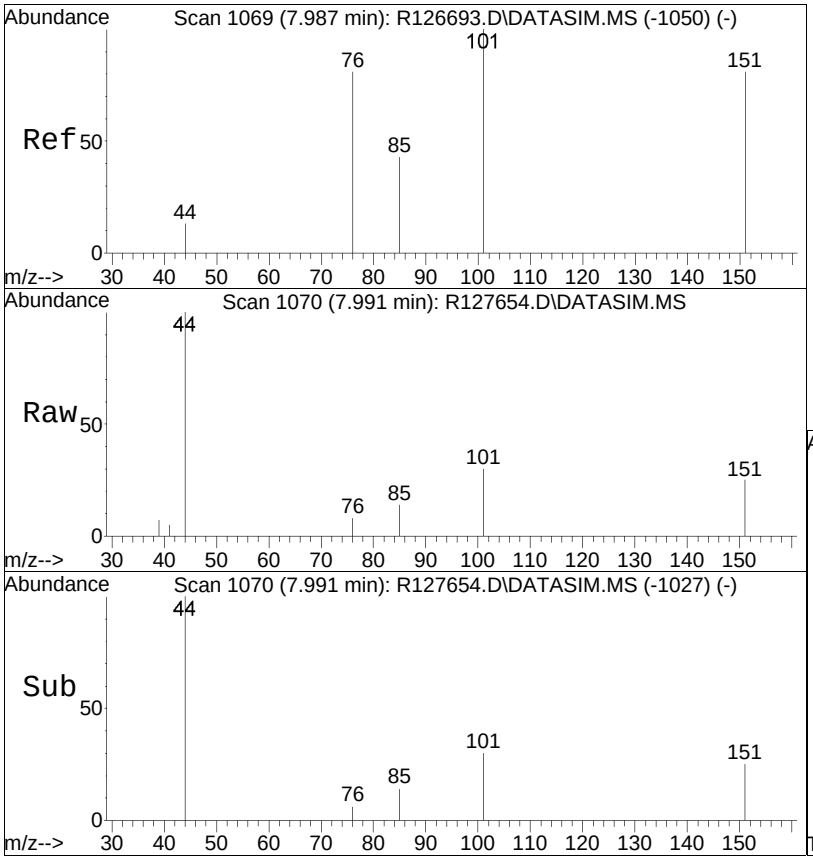


#17
methylene chloride
Concen: 0.40 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 49 Resp: 8461

Ion	Ratio	Lower	Upper
49	100		
84	46.9	37.2	55.8

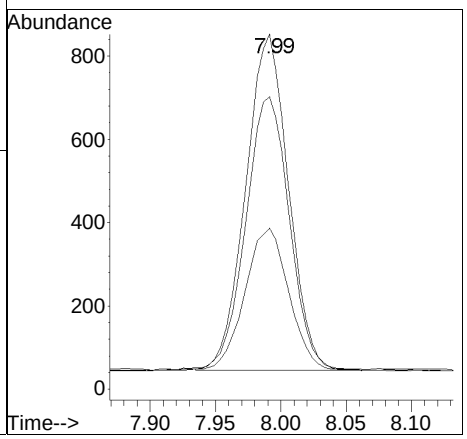


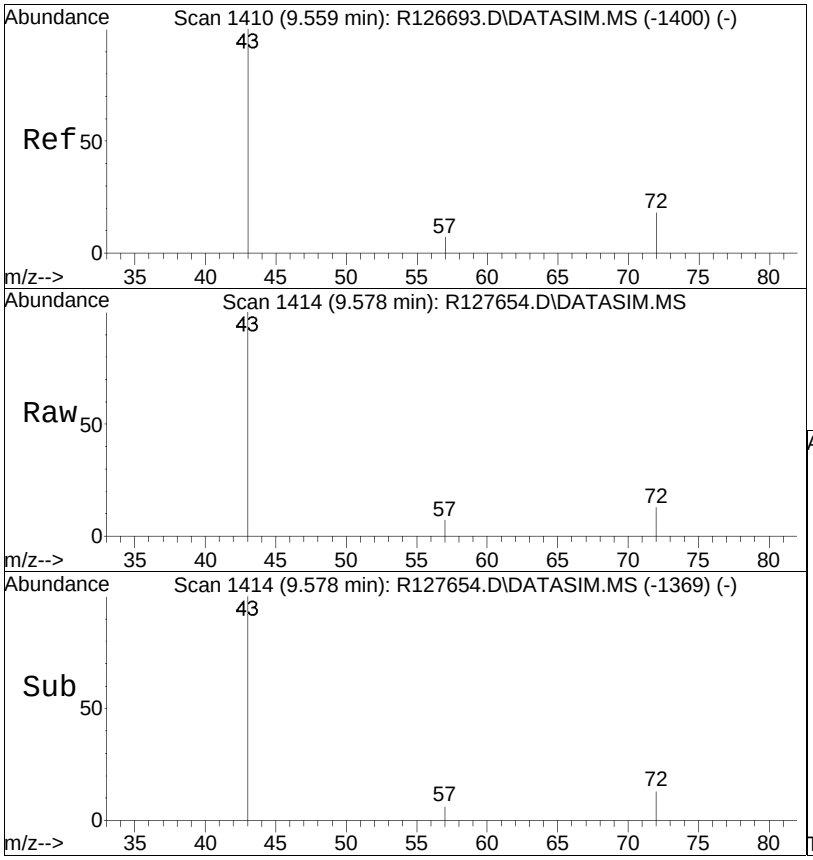


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:101 Resp: 1830

Ion	Ratio	Lower	Upper
101	100		
85	45.4	34.2	51.2
151	82.4	67.8	101.8

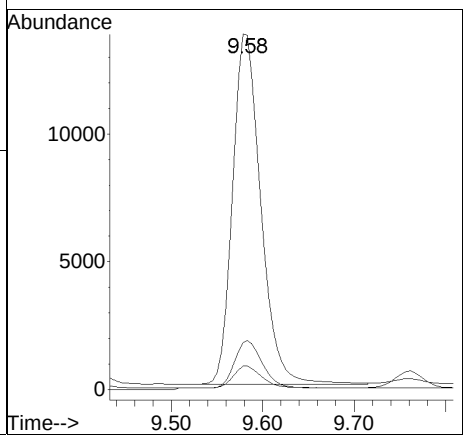


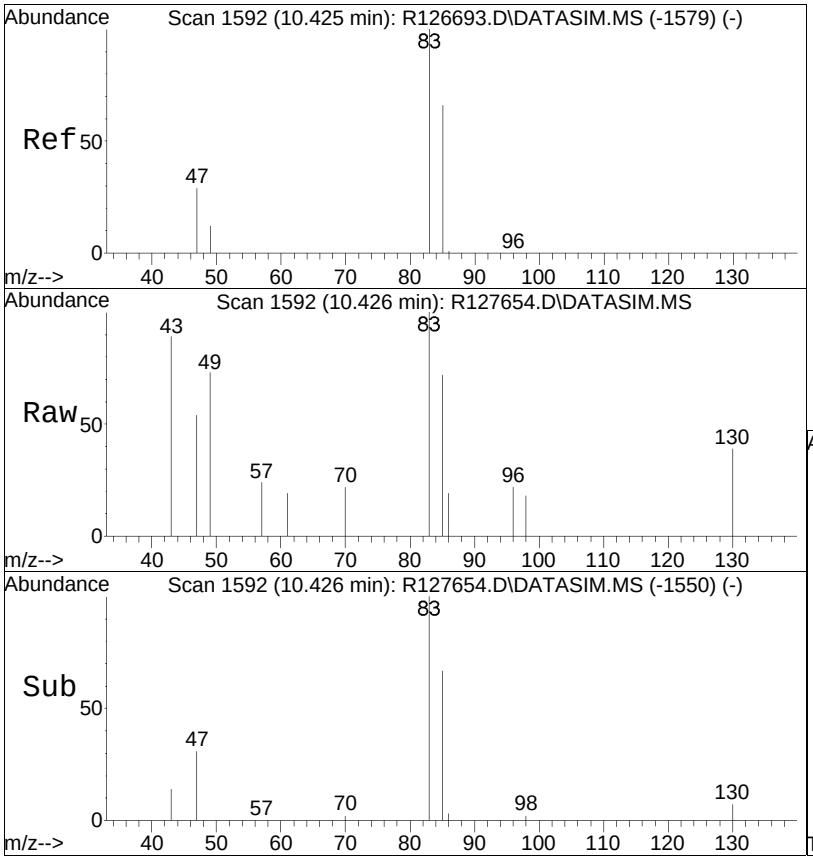


#26
2-butanone
Concen: 0.74 ppbV
RT: 9.58 min Scan# 1414
Delta R.T. 0.014 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 43 Resp: 29422

Ion	Ratio	Lower	Upper
43	100		
72	13.2	12.0	18.0
57	6.5	5.2	7.8

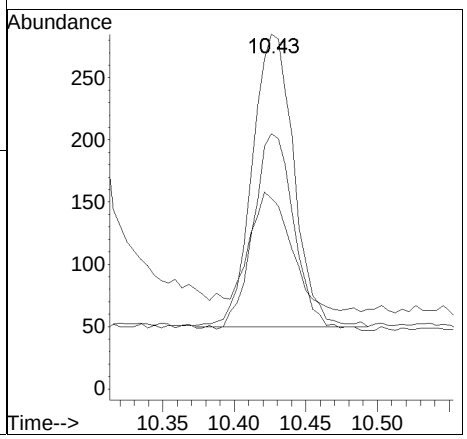


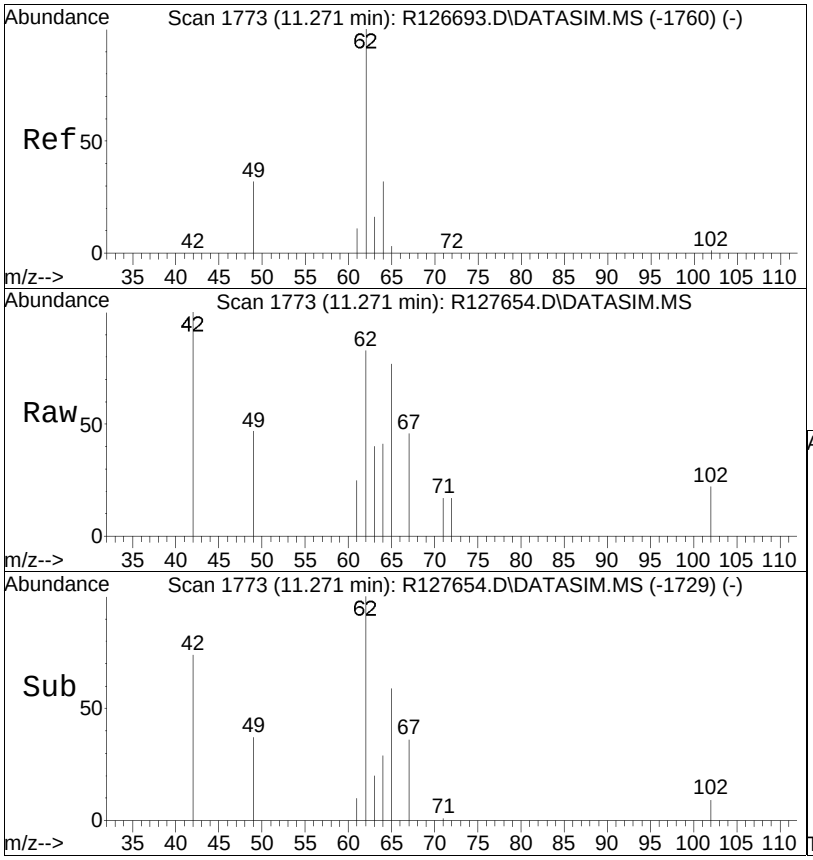


#29
chloroform
Concen: 0.02 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 83 Resp: 474

Ion	Ratio	Lower	Upper
83	100		
85	71.9	52.2	78.2
47	53.7	26.4	39.6#

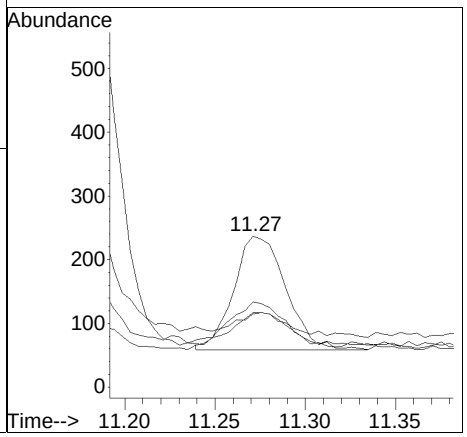


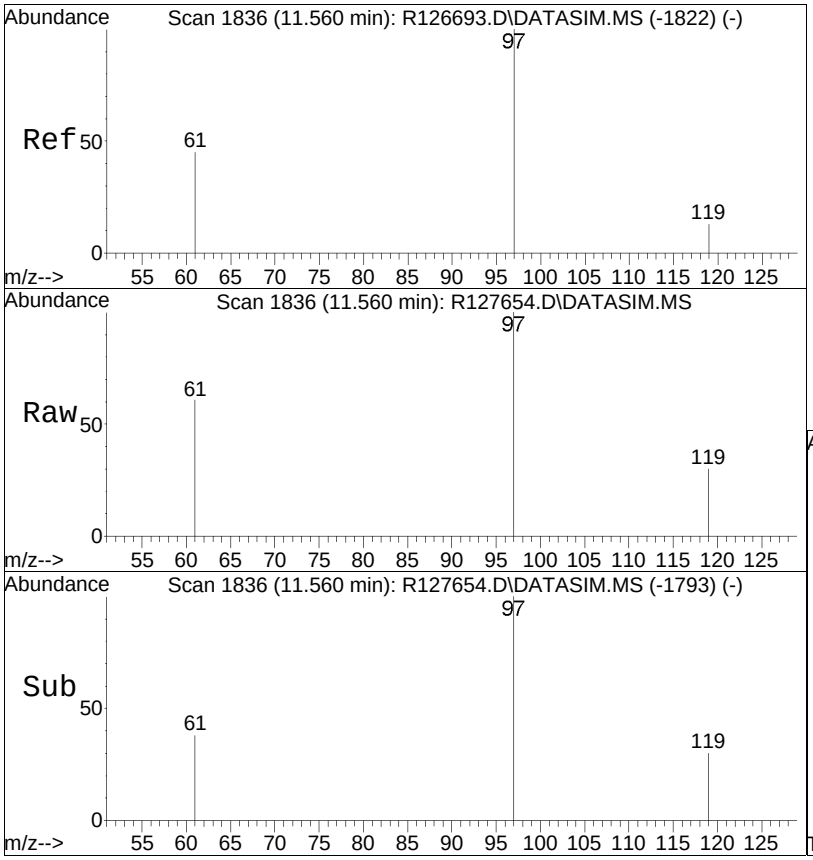


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 62 Resp: 356

Ion	Ratio	Lower	Upper
62	100		
64	49.4	25.0	37.6#
49	56.5	31.2	46.8#
63	48.5	13.3	19.9#

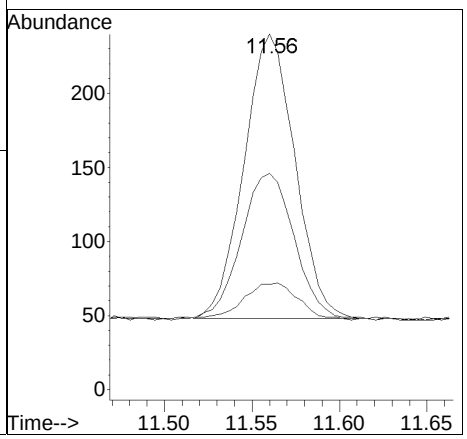


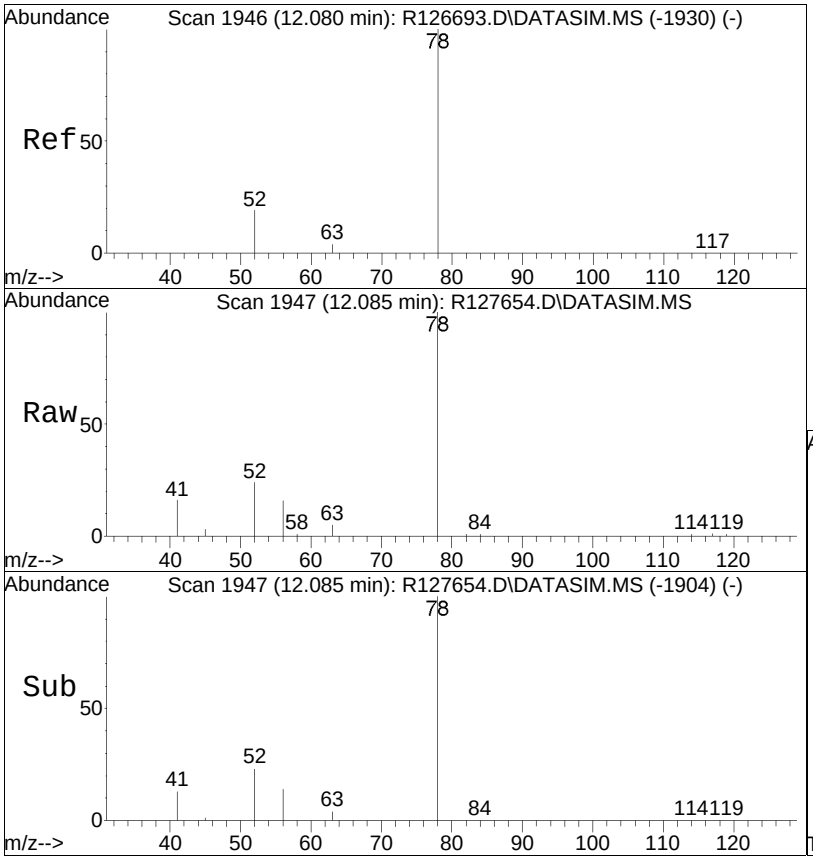


#35
1,1,1-trichloroethane
Concen: 0.01 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 97 Resp: 389

Ion	Ratio	Lower	Upper
97	100		
61	60.8	38.6	58.0#
119	29.6	11.0	16.6#

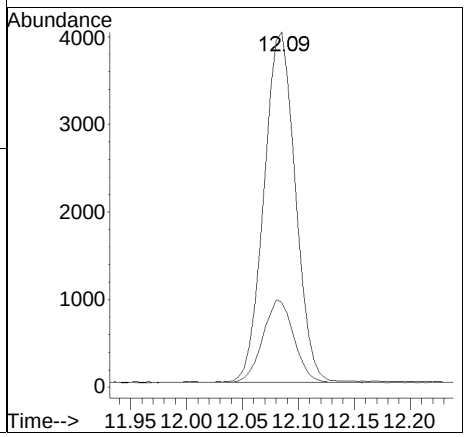


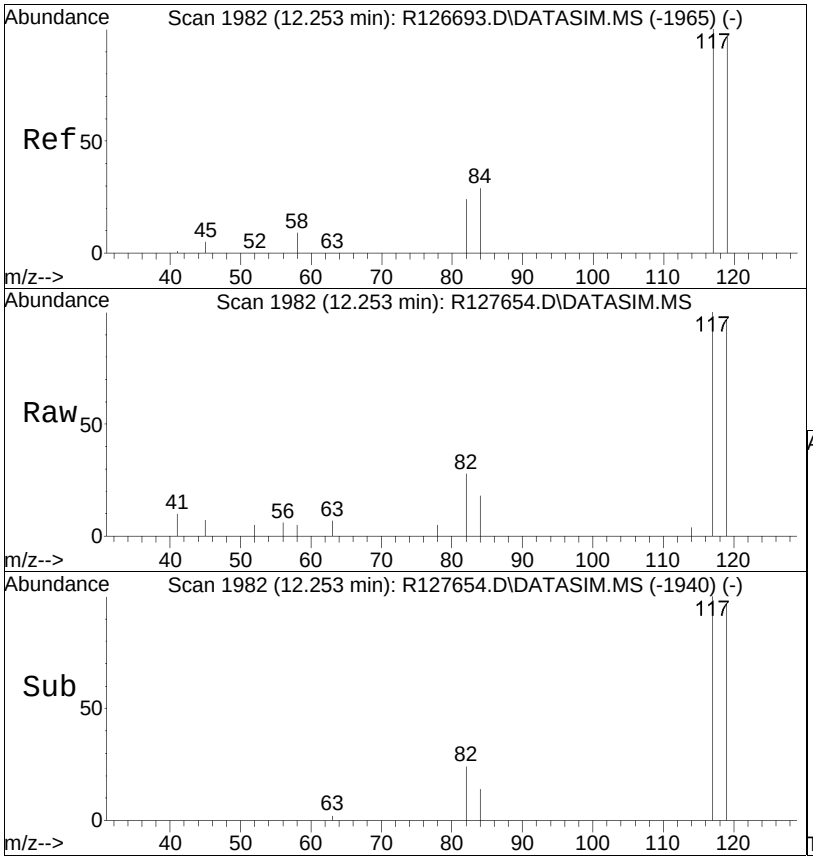


#36
benzene
Concen: 0.18 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 78 Resp: 7793

Ion	Ratio	Lower	Upper
78	100		
52	23.9	18.5	27.7

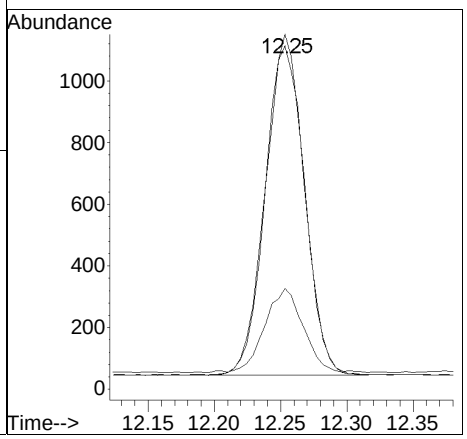


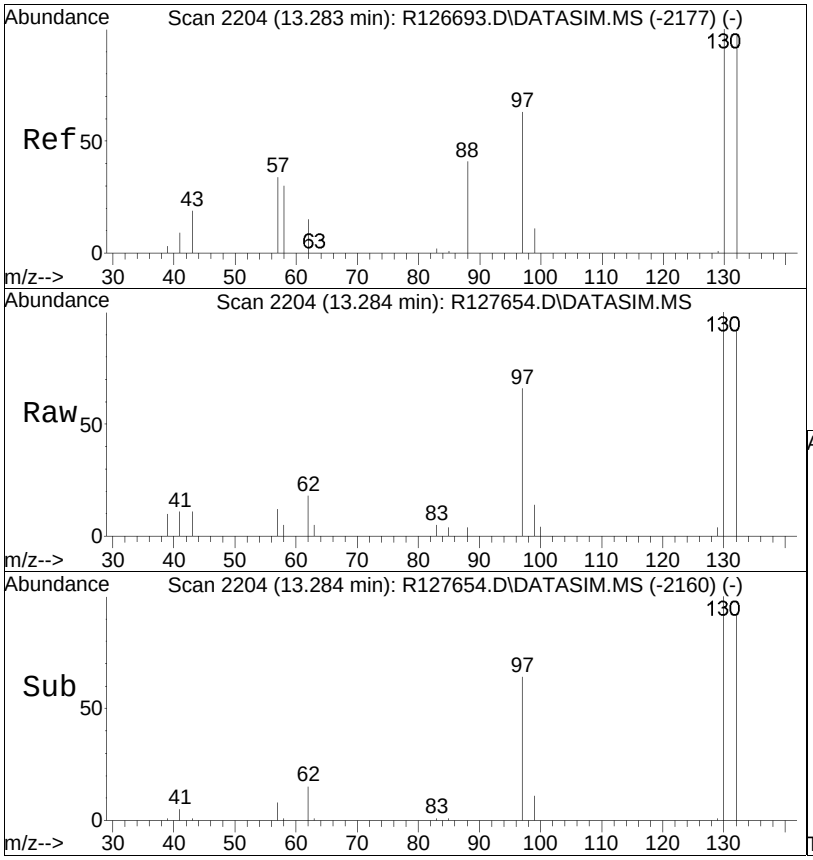


#37
carbon tetrachloride
Concen: 0.07 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:117 Resp: 2267

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.4	116.0
82	28.4	18.2	27.2#

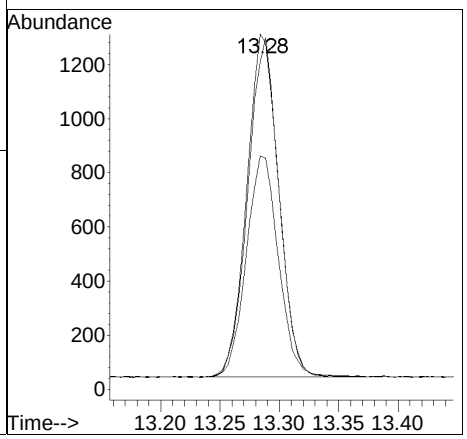


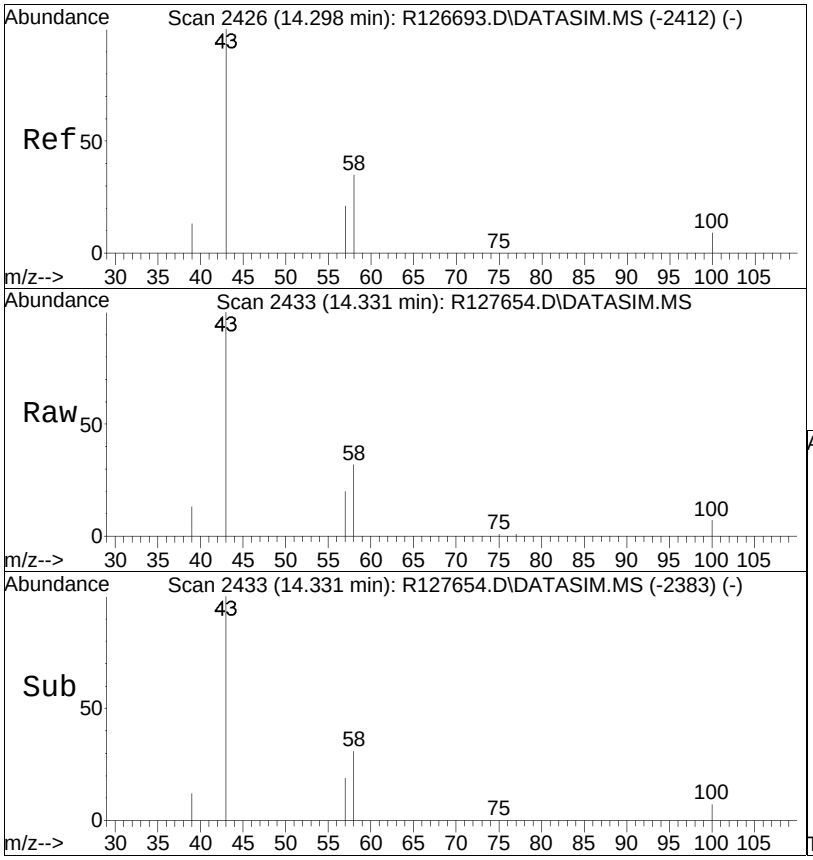


#42
trichloroethene
Concen: 0.11 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:130 Resp: 2369

Ion	Ratio	Lower	Upper
130	100		
132	92.1	77.3	115.9
97	65.7	50.6	75.8

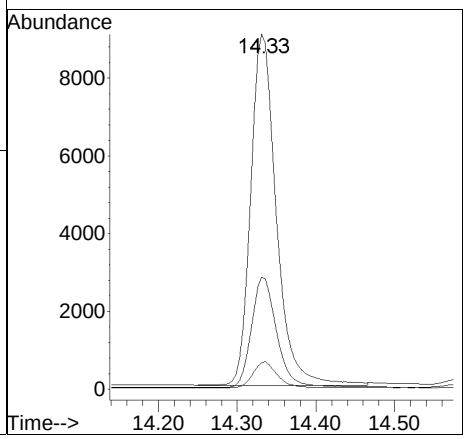


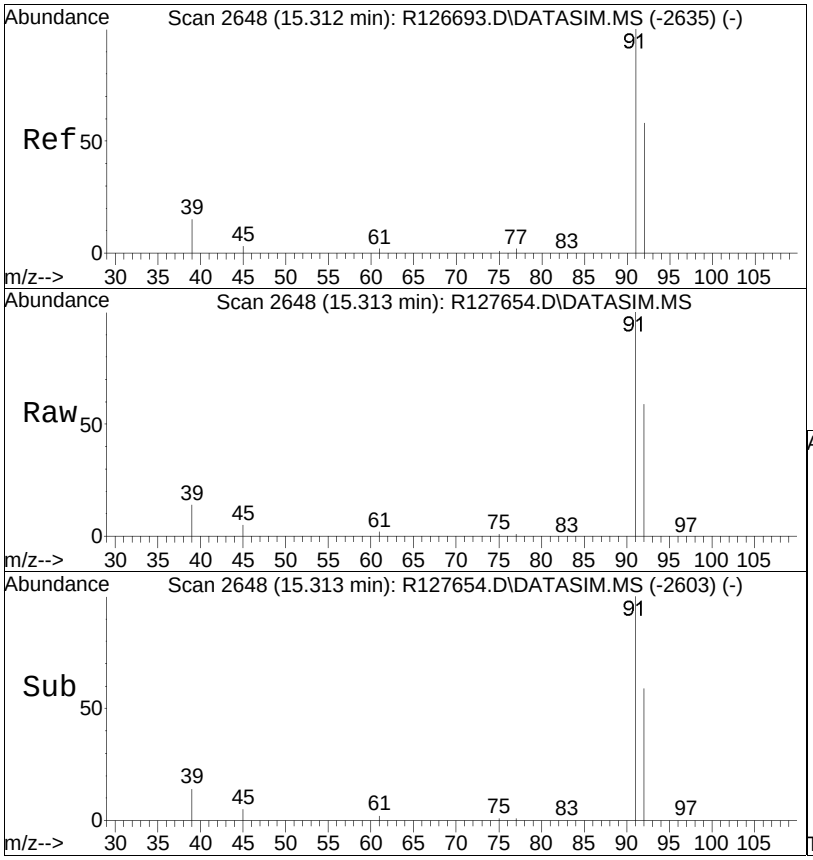


#46
4-methyl-2-pentanone
Concen: 0.42 ppbV
RT: 14.33 min Scan# 2433
Delta R.T. 0.033 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 43 Resp: 20394

Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.0	39.0
100	7.5	5.8	8.6

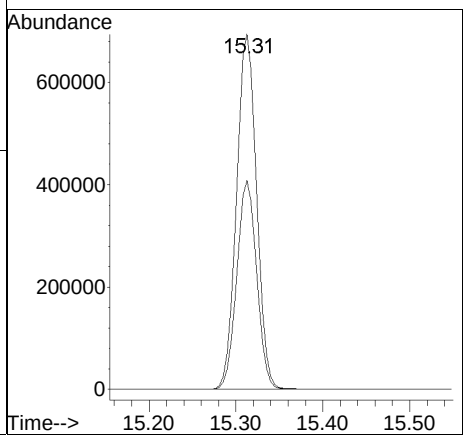


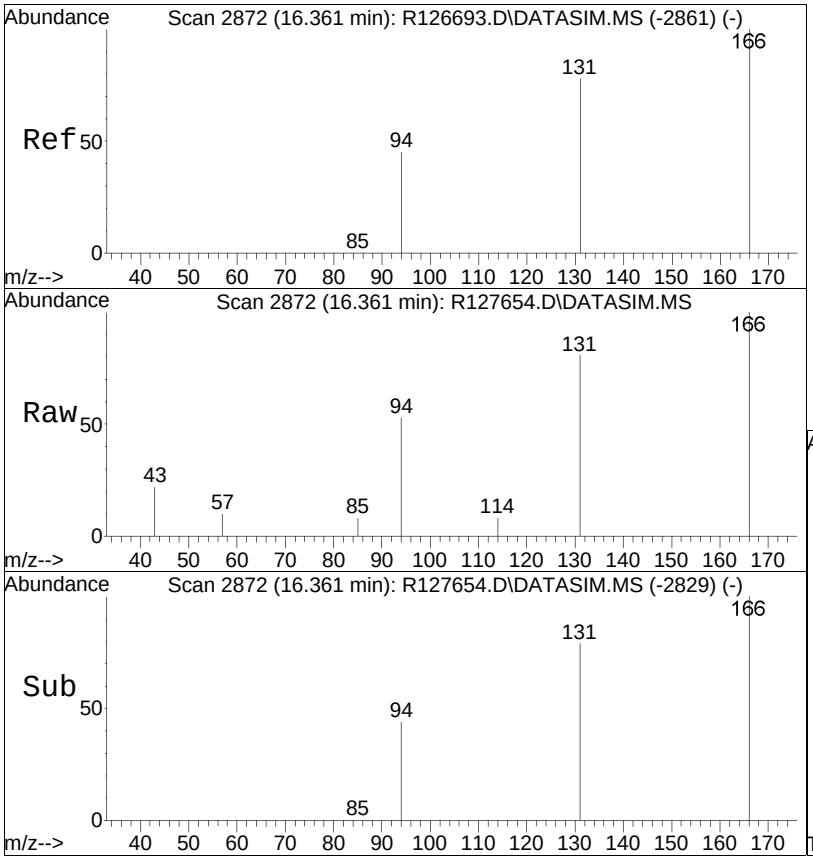


#50
toluene
Concen: 20.39 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 91 Resp: 1113173

Ion	Ratio	Lower	Upper
91	100		
92	58.8	46.4	69.6

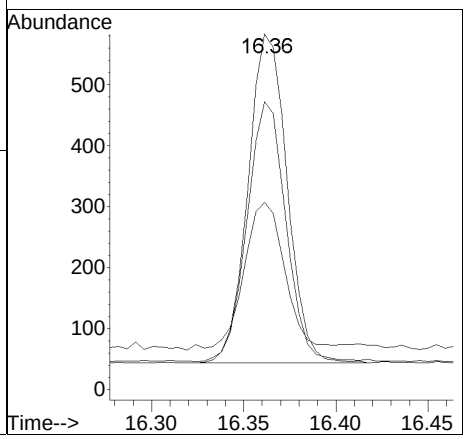


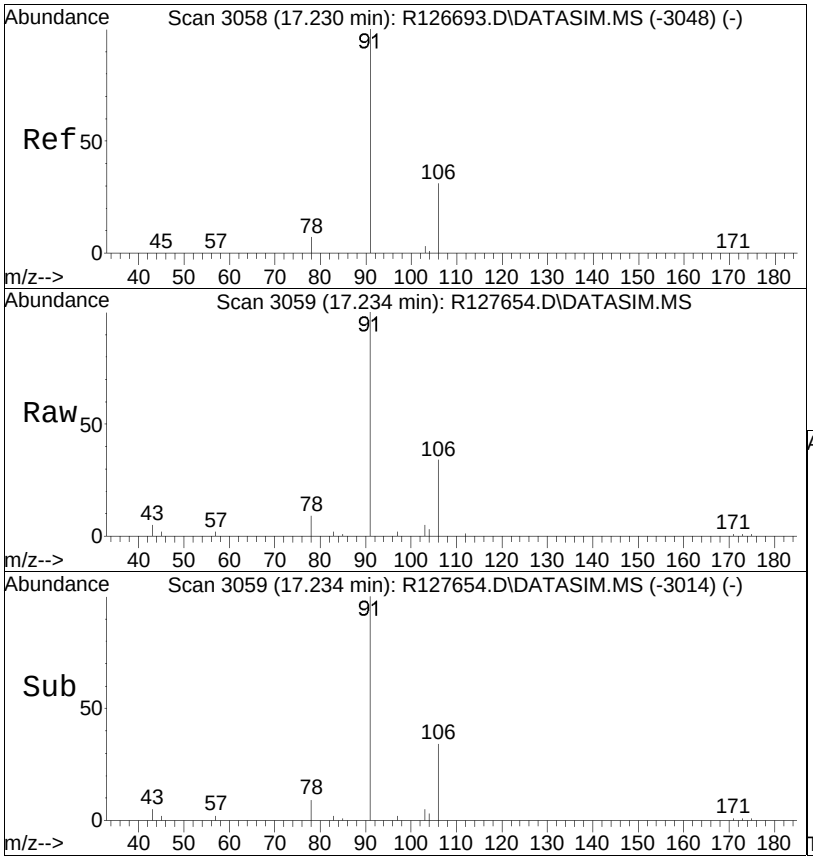


#55
tetrachloroethene
Concen: 0.03 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:166 Resp: 796

Ion	Ratio	Lower	Upper
166	100		
131	81.0	60.6	90.8
94	52.7	32.2	48.2#

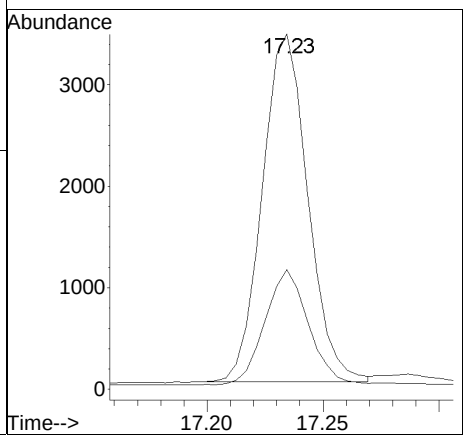


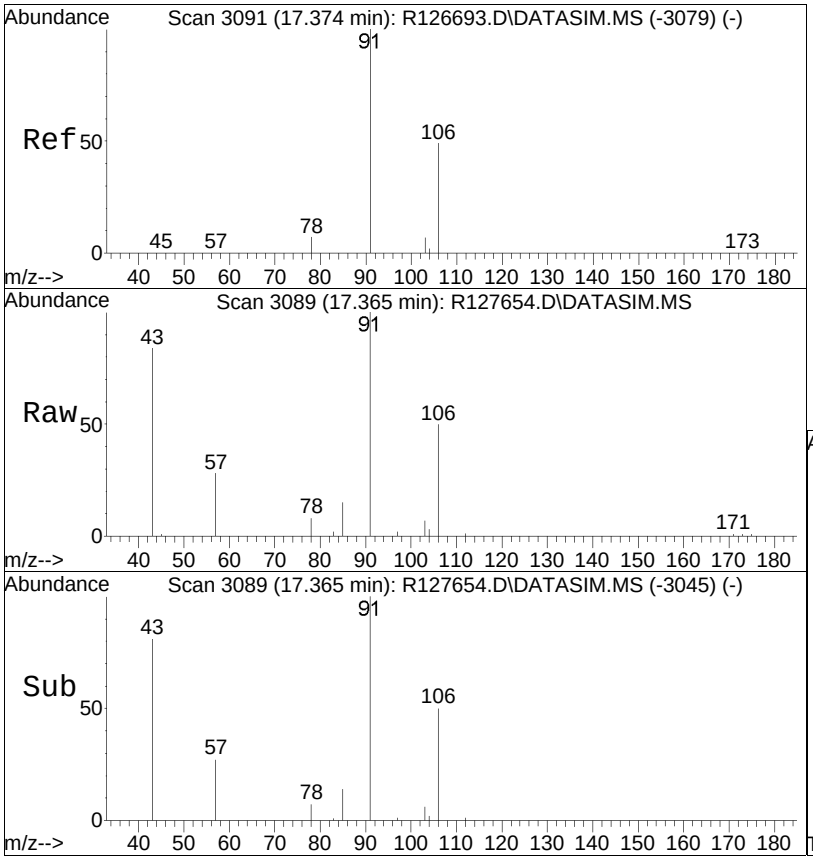


#58
ethylbenzene
Concen: 0.07 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 91 Resp: 4672

Ion	Ratio	Lower	Upper
91	100		
106	33.7	25.3	37.9

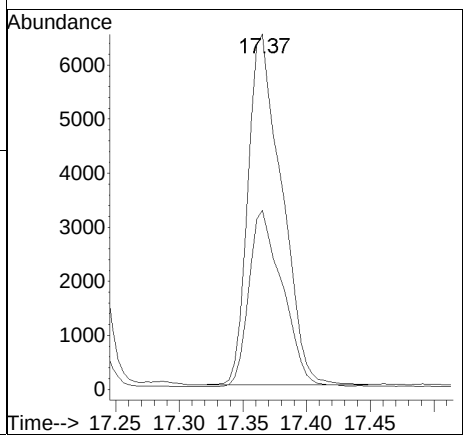


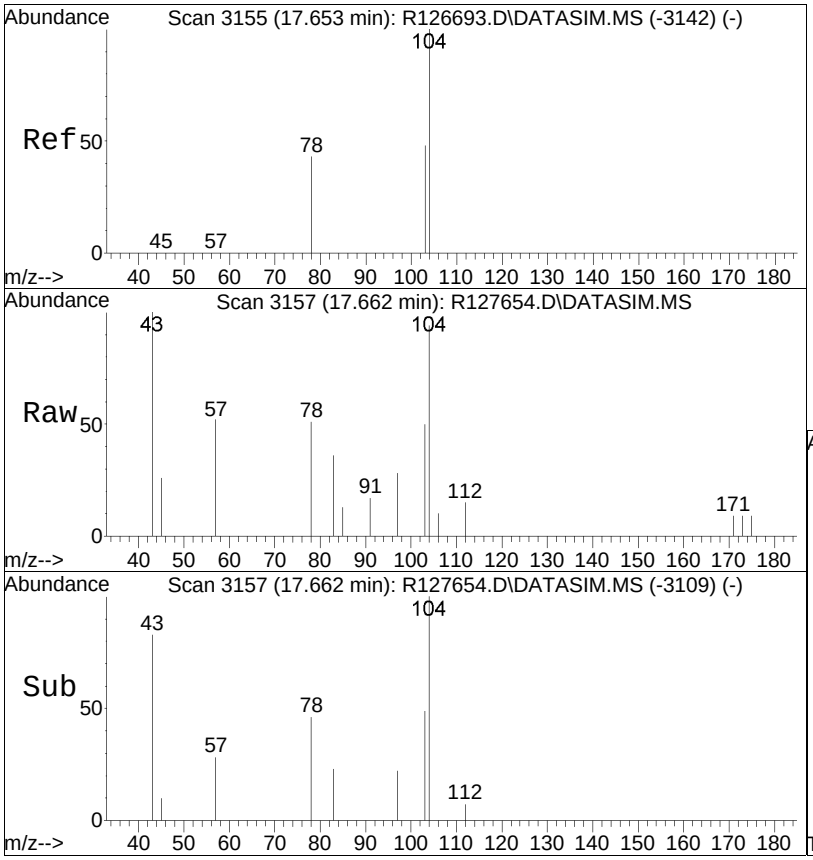


#59
m+p-xylene
Concen: 0.22 ppbV
RT: 17.37 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 91 Resp: 11944

Ion	Ratio	Lower	Upper
91	100		
106	50.4	40.0	60.0

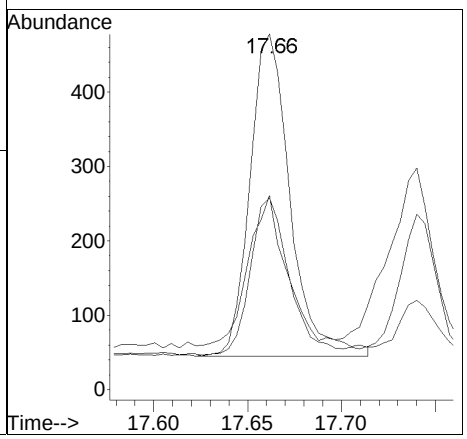


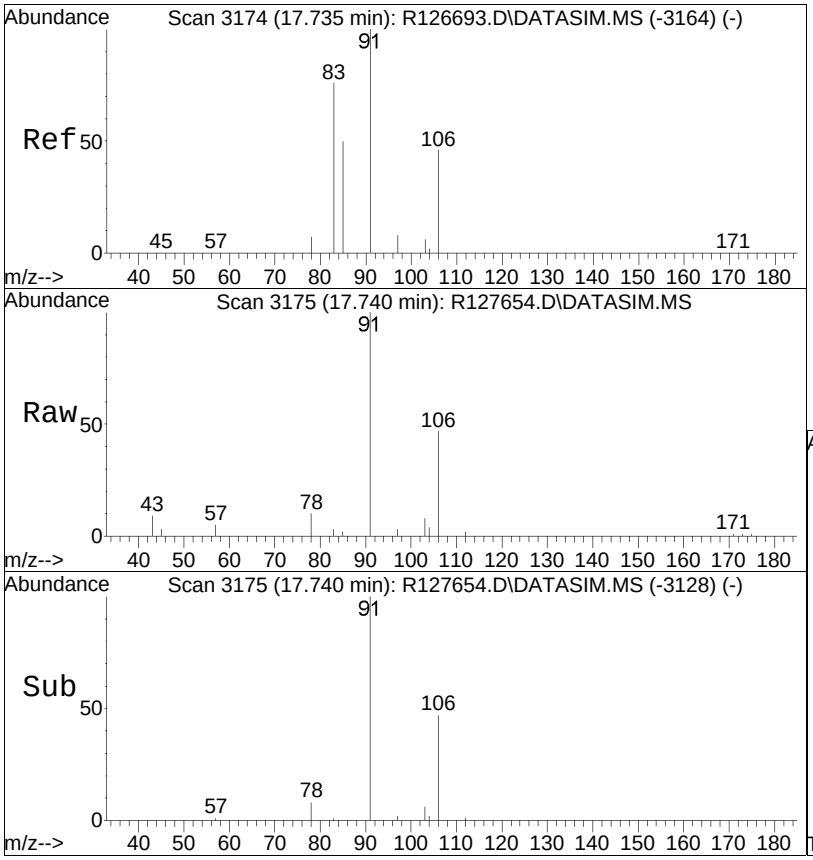


#61
styrene
Concen: 0.02 ppbV
RT: 17.66 min Scan# 3157
Delta R.T. 0.009 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:104 Resp: 647

Ion	Ratio	Lower	Upper
104	100		
103	54.0	38.3	57.5
78	54.6	35.0	52.6#

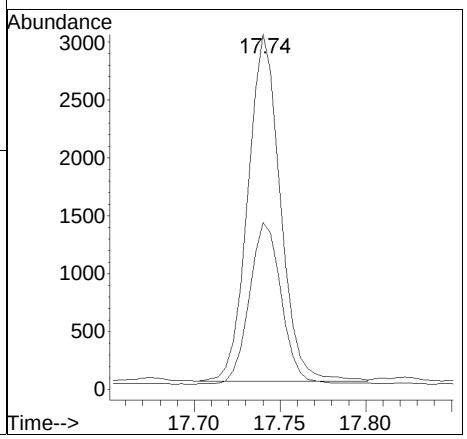


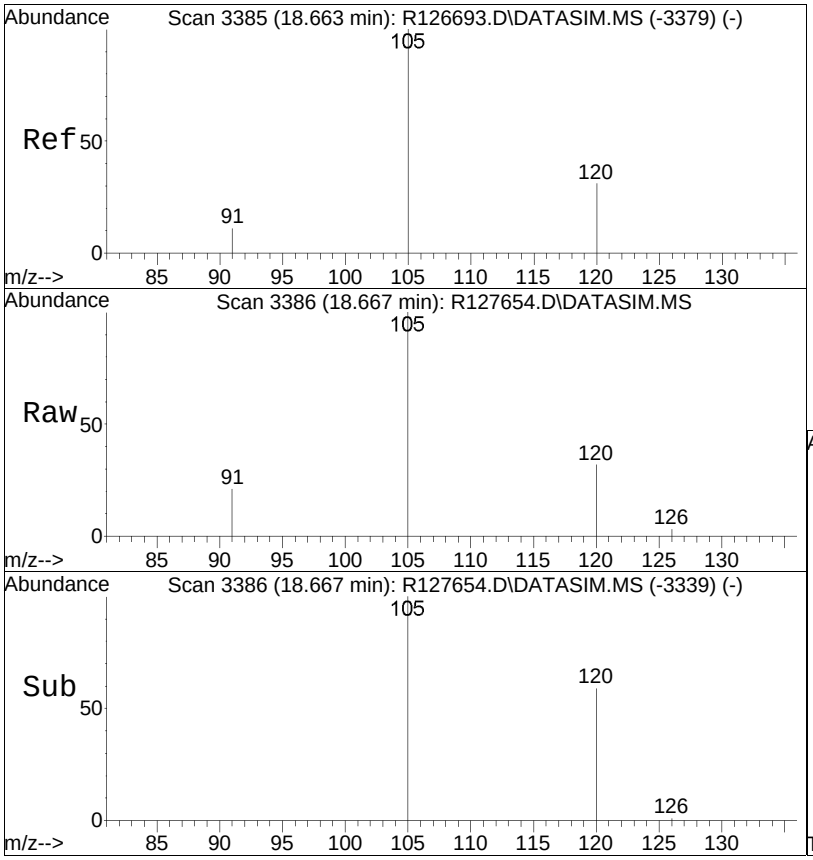


#63
o-xylene
Concen: 0.07 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion: 91 Resp: 3939

Ion	Ratio	Lower	Upper
91	100		
106	47.0	37.1	55.7

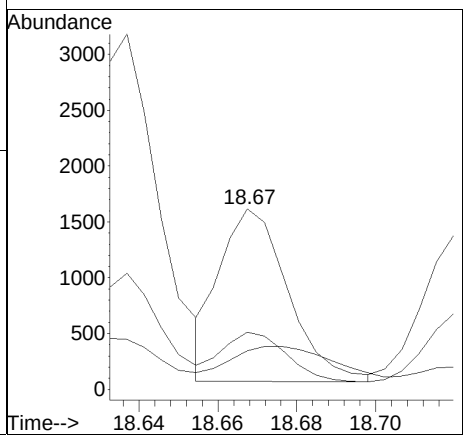


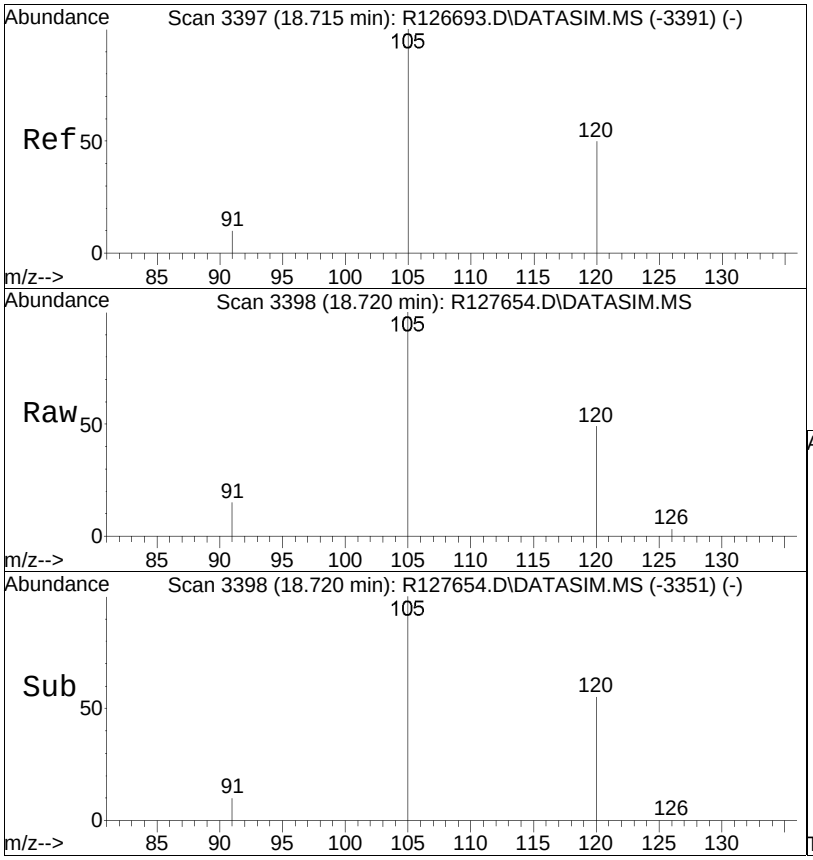


#66
4-ethyl toluene
Concen: 0.02 ppbV
RT: 18.67 min Scan# 3386
Delta R.T. 0.004 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:105 Resp: 1866

Ion	Ratio	Lower	Upper
105	100		
120	31.7	23.7	35.5
91	21.5	8.5	12.7#

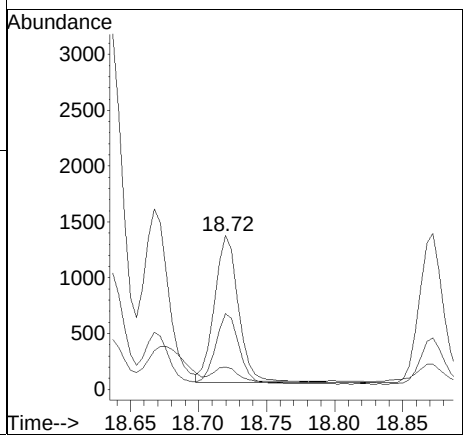


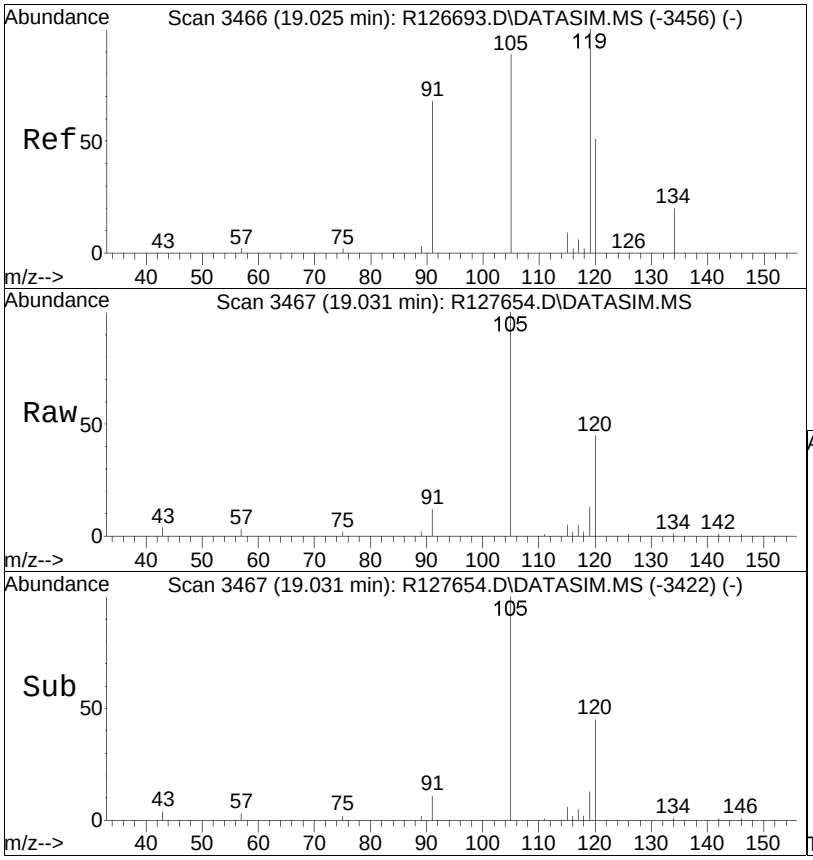


#67
1,3,5-trimethylbenzene
Concen: 0.02 ppbV
RT: 18.72 min Scan# 3398
Delta R.T. 0.004 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:105 Resp: 1636

Ion	Ratio	Lower	Upper
105	100		
120	49.2	39.0	58.4
91	14.6	8.0	12.0#

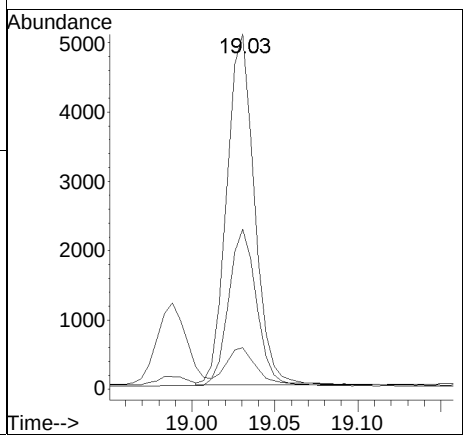


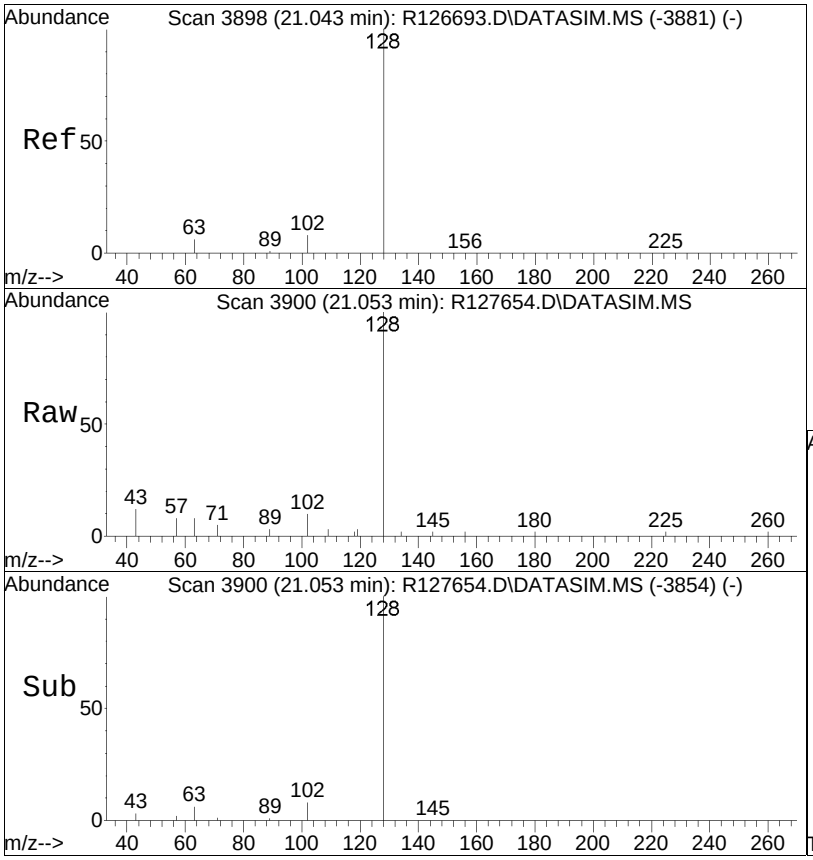


#69
1,2,4-trimethylbenzene
Concen: 0.09 ppbV
RT: 19.03 min Scan# 3467
Delta R.T. 0.005 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:105 Resp: 5908

Ion	Ratio	Lower	Upper
105	100		
120	45.1	44.9	67.3
91	11.8	58.6	88.0#

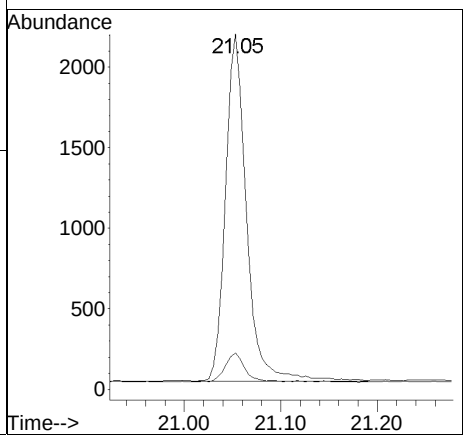




#78
naphthalene
Concen: 0.03 ppbV
RT: 21.05 min Scan# 3900
Delta R.T. 0.009 min
Lab File: R127654.D
Acq: 13 Apr 2013 12:06 am

Tgt Ion:128 Resp: 3270

Ion	Ratio	Lower	Upper
128	100		
102	10.3	6.2	9.2#

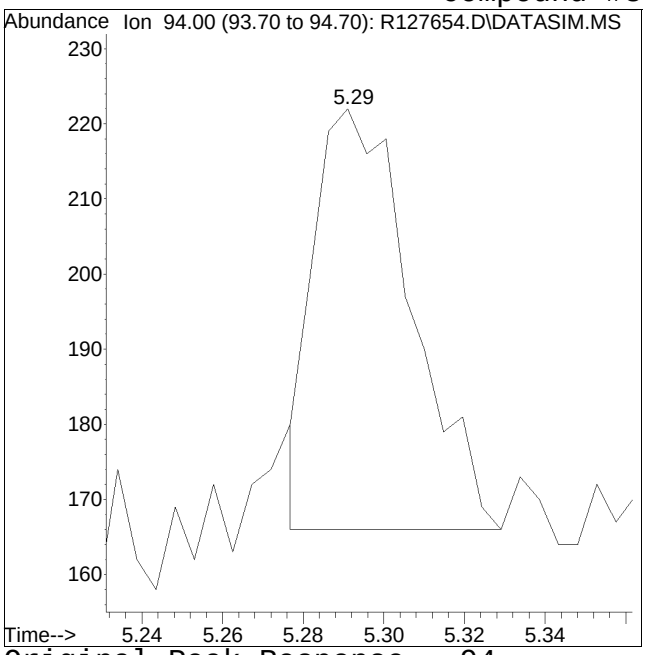


Manual Integration/Negative Proof Report

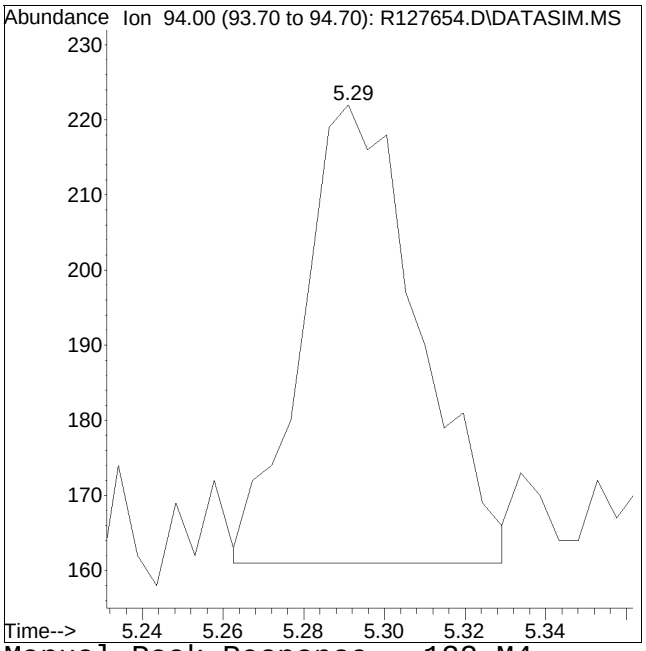
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127654.D
Date Inj'd : 4/13/2013 12:06 am
Sample : L1306330-24,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #8: bromomethane



Original Peak Response = 94



Manual Peak Response = 122 M4

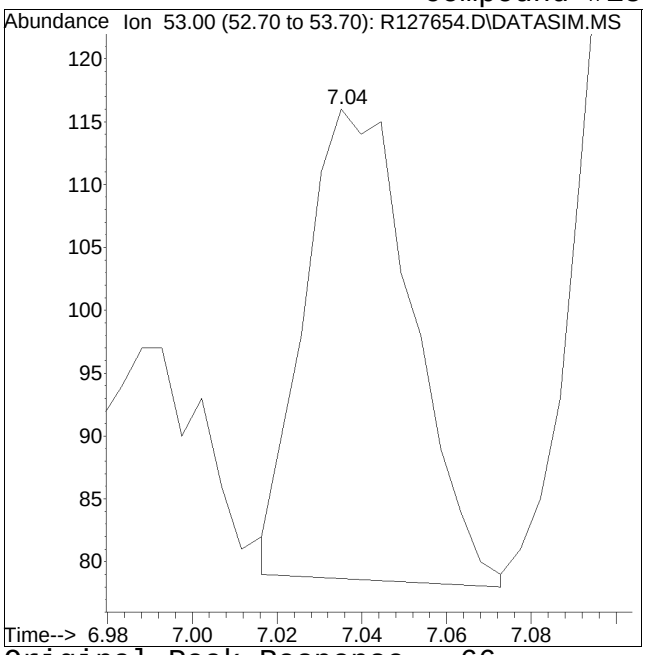
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

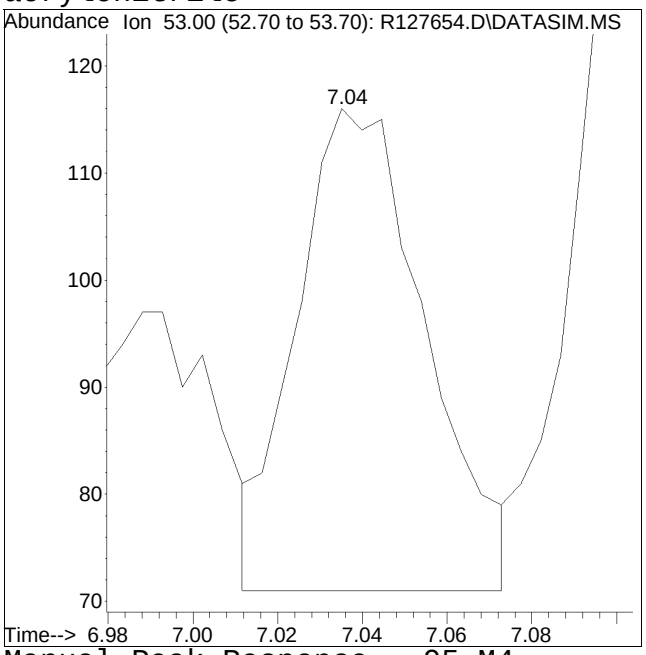
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127654.D
Date Inj'd : 4/13/2013 12:06 am
Sample : L1306330-24,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #15: acrylonitrile



Original Peak Response = 66



Manual Peak Response = 95 M4

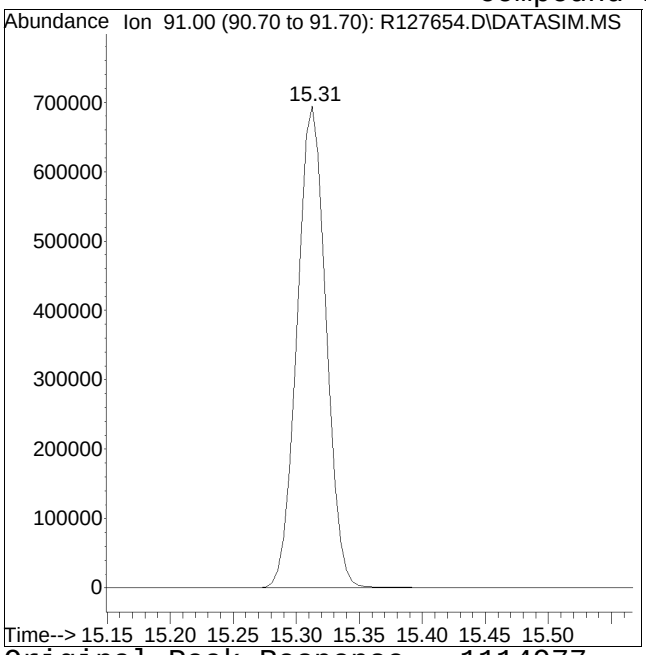
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

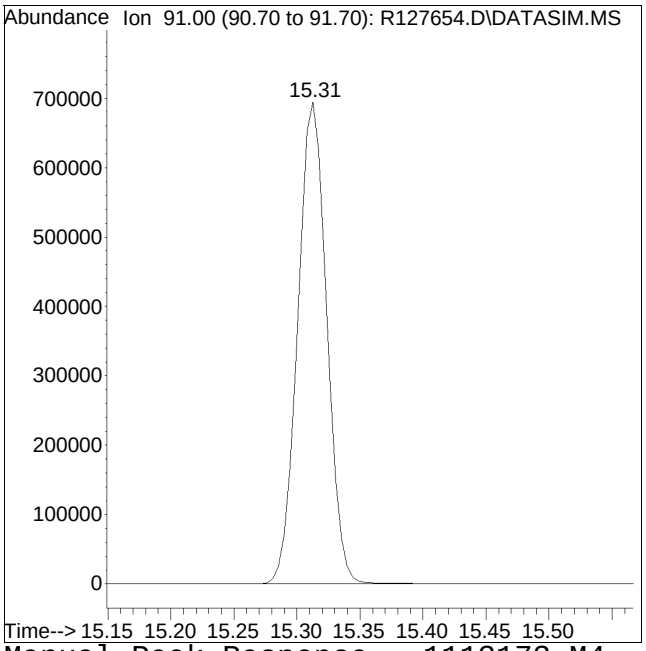
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127654.D
Date Inj'd : 4/13/2013 12:06 am
Sample : L1306330-24,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #50: toluene



Original Peak Response = 1114977



Manual Peak Response = 1113173 M4

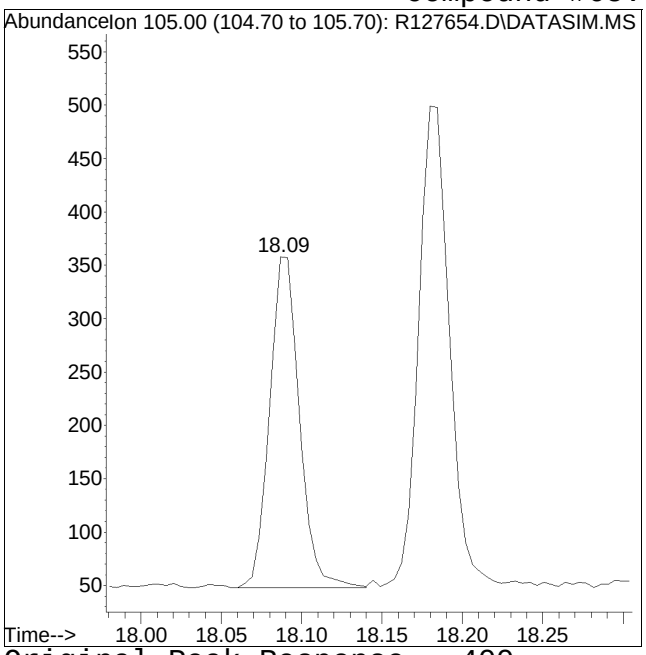
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

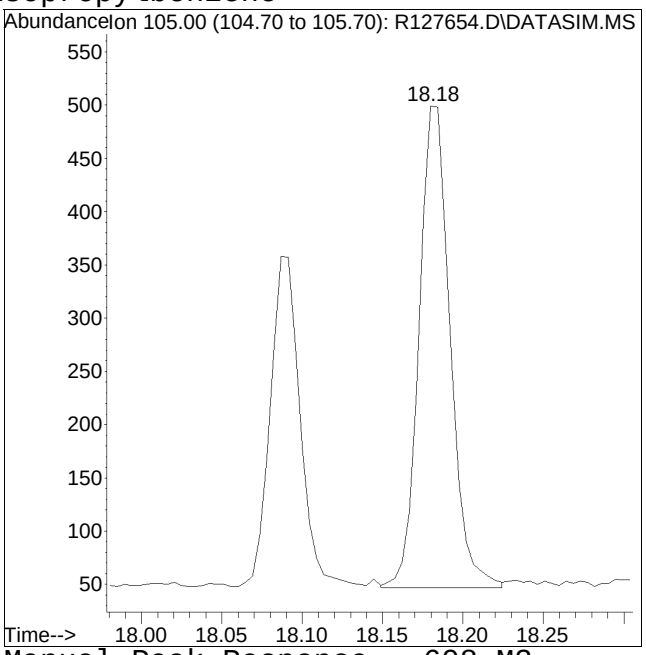
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127654.D
Date Inj'd : 4/13/2013 12:06 am
Sample : L1306330-24,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #65: isopropylbenzene



Original Peak Response = 400



Manual Peak Response = 608 M3

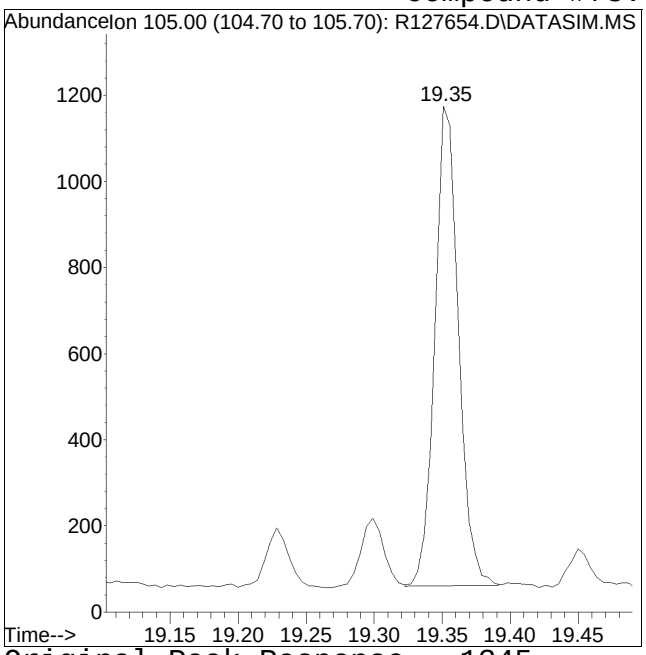
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

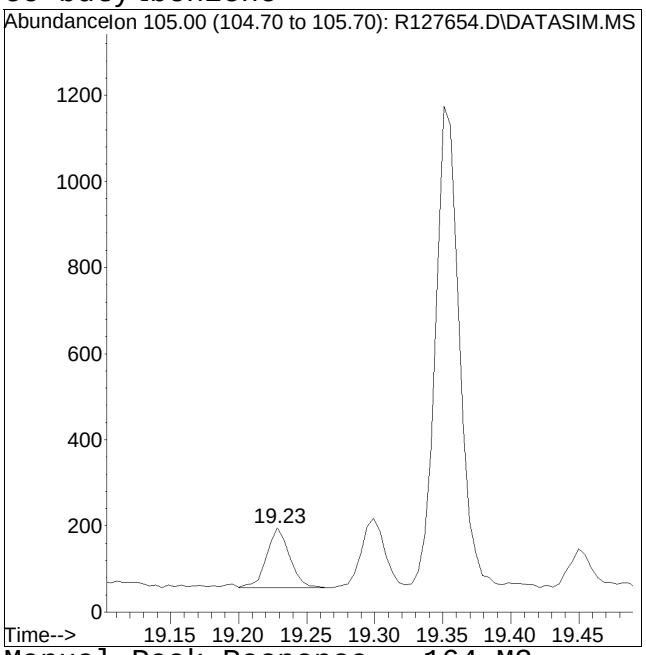
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127654.D
Date Inj'd : 4/13/2013 12:06 am
Sample : L1306330-24,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #73: sec-butylbenzene





Original Peak Response = 1345 Manual Peak Response = 164 M3

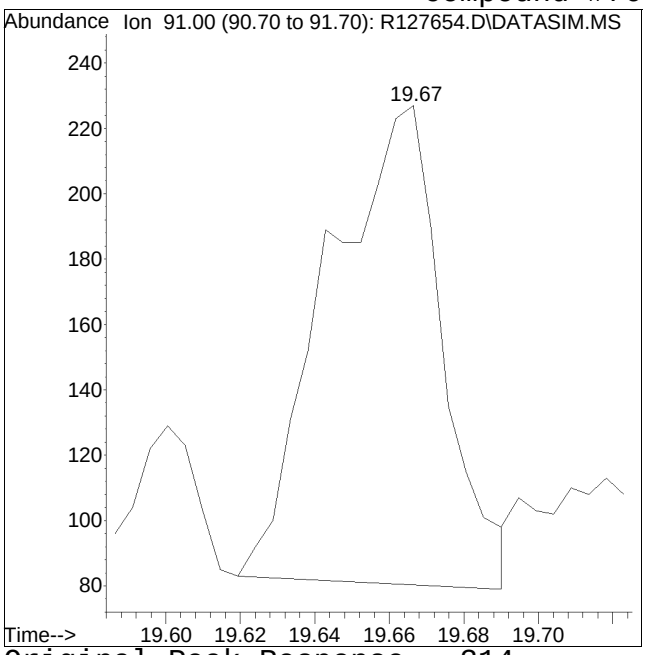
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

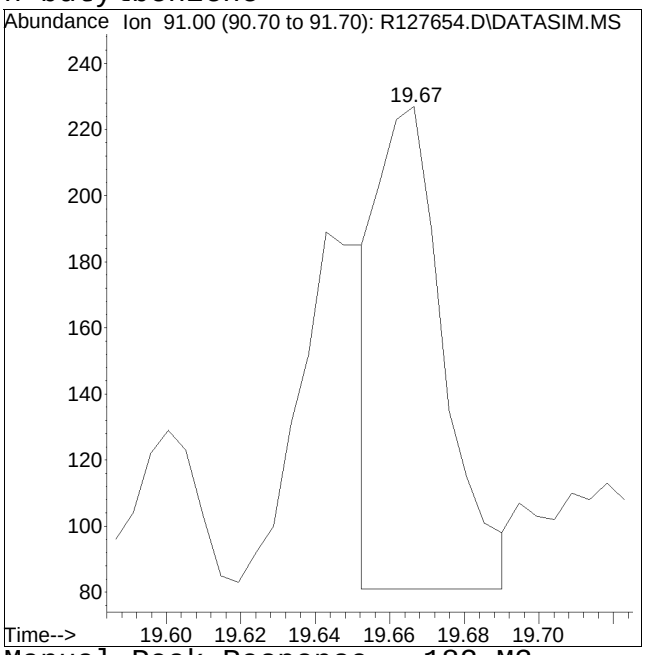
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127654.D
Date Inj'd : 4/13/2013 12:06 am
Sample : L1306330-24,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #76: n-butylbenzene



Original Peak Response = 314



Manual Peak Response = 182 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127655.D
Acq On : 13 Apr 2013 12:38 am
Operator : AIRPIANO1:MB
Sample : L1306330-25,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 10:03:00 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	270787	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 100.73%			
32) 1,4-difluorobenzene	12.49	114	549961	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 100.53%			
49) chlorobenzene-D5	16.90	54	137773	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 103.81%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	15169	0.433	ppbV	100
4) chloromethane	4.40	50	12835	0.696	ppbV	99
5) Freon-114	4.55	85	503	0.013	ppbV #	92
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	1444	0.115	ppbV	84
8) bromomethane	5.29	94	115M4	0.008	ppbV	
9) chloroethane	5.55	64	115	0.016	ppbV #	1
12) acetone	6.39	43	3819999	130.380	ppbV	100
13) trichlorofluoromethane	6.62	101	10225	0.243	ppbV	99
15) acrylonitrile	7.04	53	470M3	0.033	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	19721	0.805	ppbV	99
20) Freon 113	7.99	101	1885	0.064	ppbV	98
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.08		0	N.D.		
24) MTBE	9.17		0	N.D.		
26) 2-butanone	9.57	43	58026	1.264	ppbV	97
27) cis-1,2-dichloroethene	10.07		0	N.D.		
29) chloroform	10.43	83	1714	0.054	ppbV #	94
31) 1,2-dichloroethane	11.27	62	459	0.019	ppbV #	71
35) 1,1,1-trichloroethane	11.56	97	382	0.013	ppbV #	73
36) benzene	12.09	78	12256	0.282	ppbV	98
37) carbon tetrachloride	12.25	117	3047	0.094	ppbV	98
39) 1,2-dichloropropane	13.02	63	184	0.010	ppbV #	52
40) bromodichloromethane	13.23	83	406M6	0.012	ppbV	
42) trichloroethene	13.28	130	2391	0.113	ppbV	98
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	62885M4	1.274	ppbV	
47) trans-1,3-dichloropropene	14.85		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127655.D
Acq On : 13 Apr 2013 12:38 am
Operator : AIRPIANO1:MB
Sample : L1306330-25,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 10:03:00 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

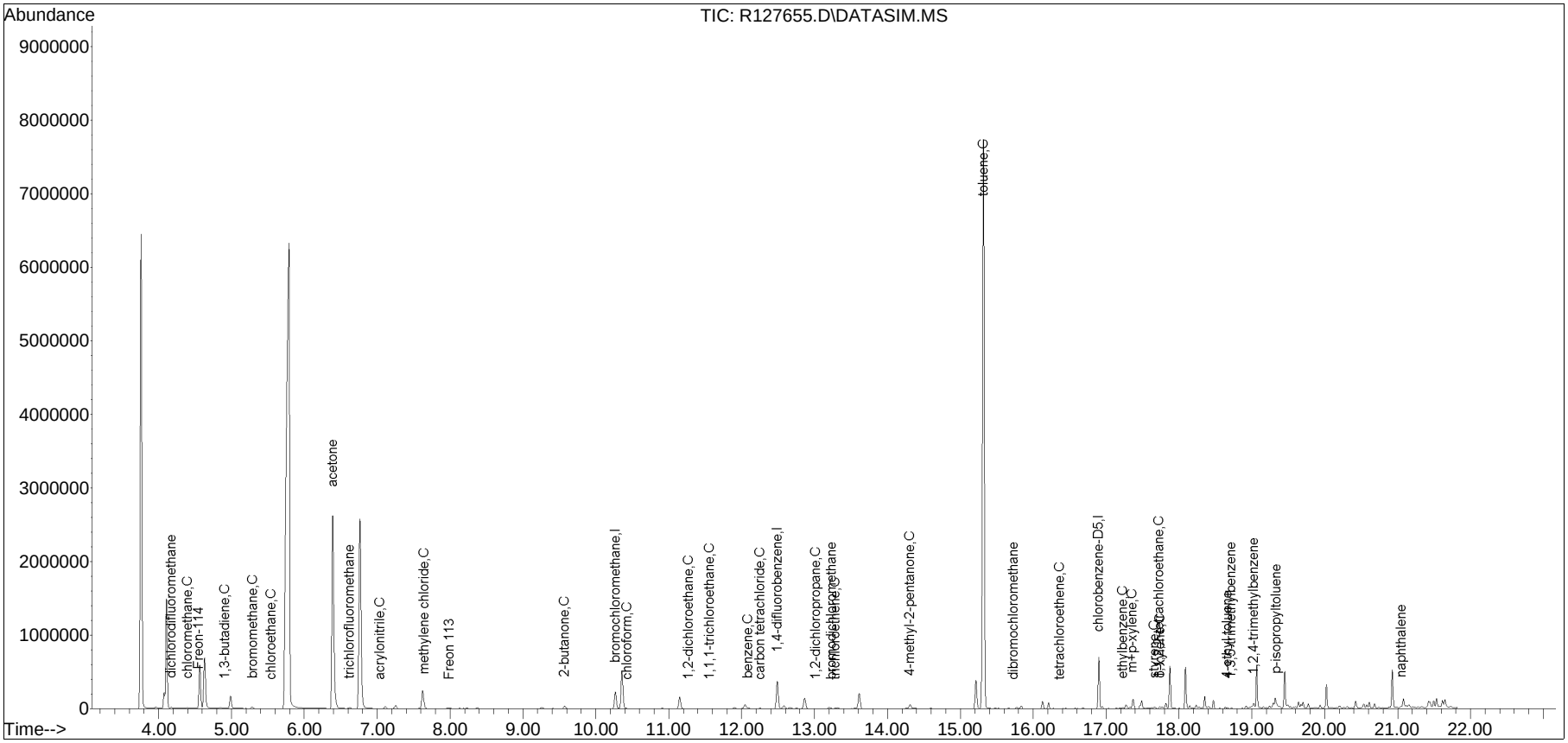
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.32	91	7099845	127.130	ppbV		96
53) dibromochloromethane	15.73	129	441	0.011	ppbV	#	93
54) 1,2-dibromoethane	15.88		0	N.D.			
55) tetrachloroethene	16.36	166	1124	0.039	ppbV	#	61
56) 1,1,1,2-tetrachloroethane	16.97		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	13932	0.195	ppbV		99
59) m+p-xylene	17.36	91	36262	0.652	ppbV		100
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	8391	0.195	ppbV		99
62) 1,1,2,2-tetrachloroethane	17.73	83	833	0.018	ppbV		89
63) o-xylene	17.74	91	14149M4	0.244	ppbV		
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	11031	0.131	ppbV	#	93
67) 1,3,5-trimethylbenzene	18.72	105	10069	0.146	ppbV	#	95
69) 1,2,4-trimethylbenzene	19.03	105	36765	0.531	ppbV	#	52
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21		0	N.D.			
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34	119	27038	0.284	ppbV		100
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	7098	0.070	ppbV		97
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

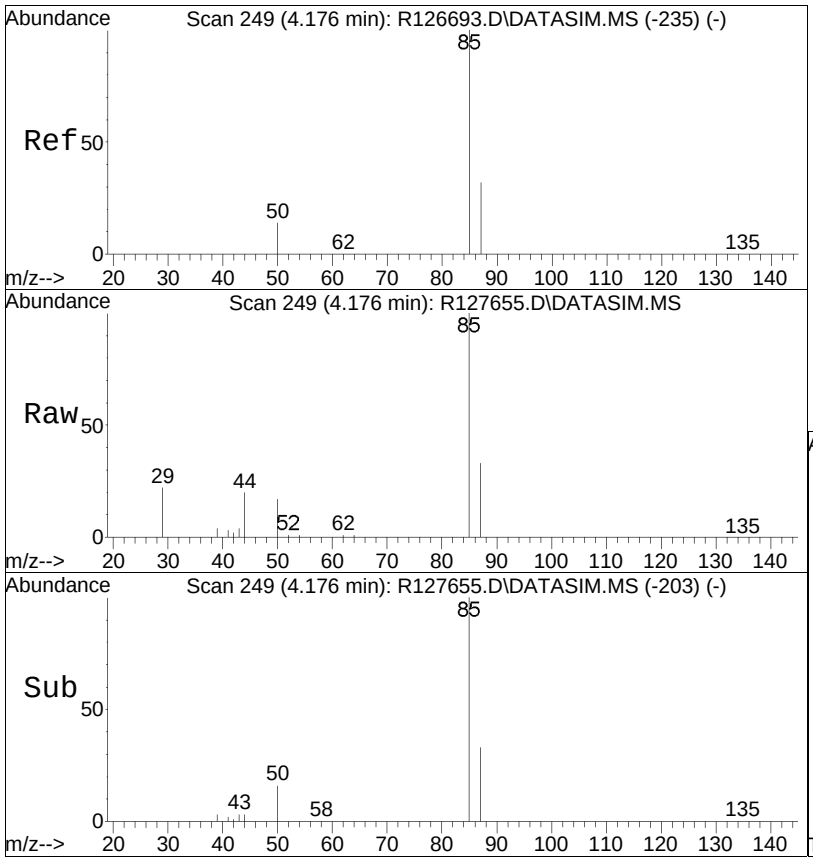
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127655.D
Acq On : 13 Apr 2013 12:38 am
Operator : AIRPIANO1:MB
Sample : L1306330-25,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 10:03:00 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

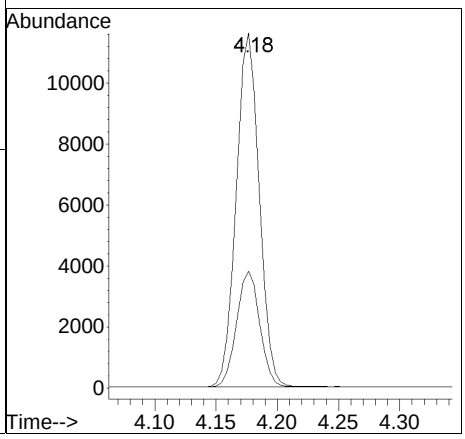


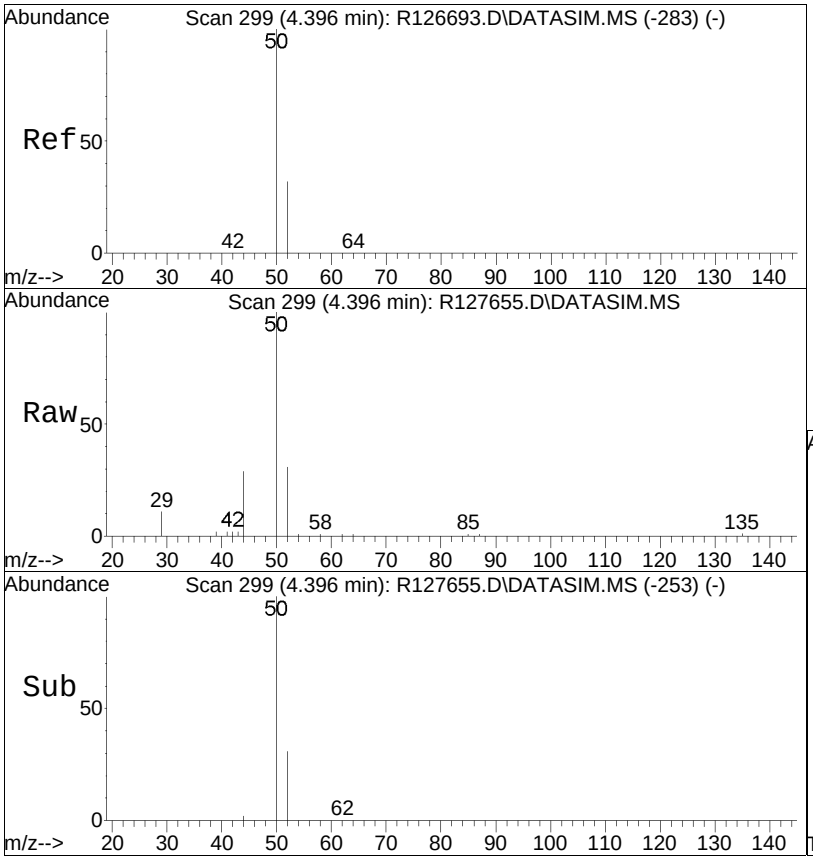


#3
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 85 Resp: 15169

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.6	40.0

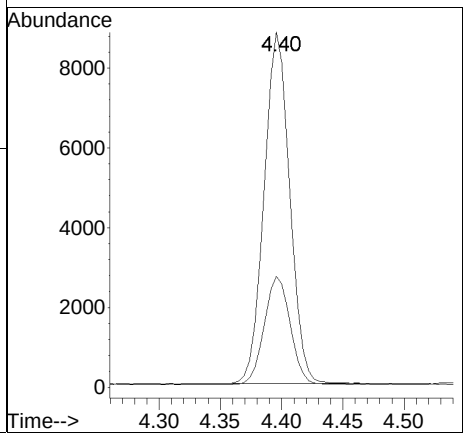


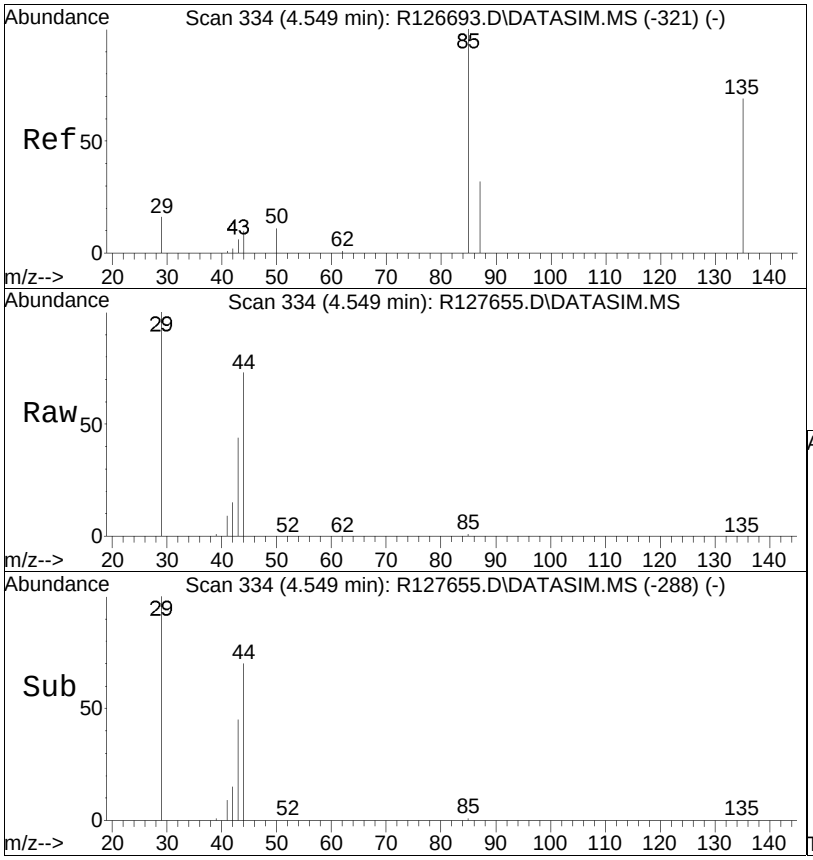


#4
chloromethane
Concen: 0.70 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 50 Resp: 12835

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.3	37.9

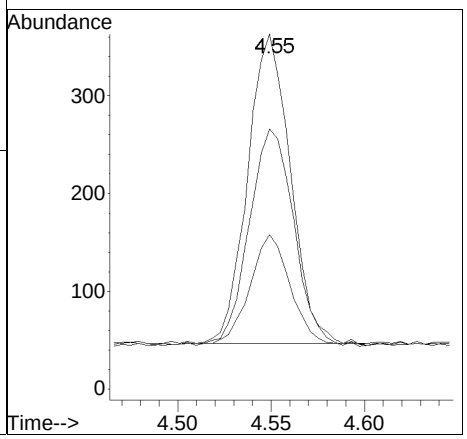


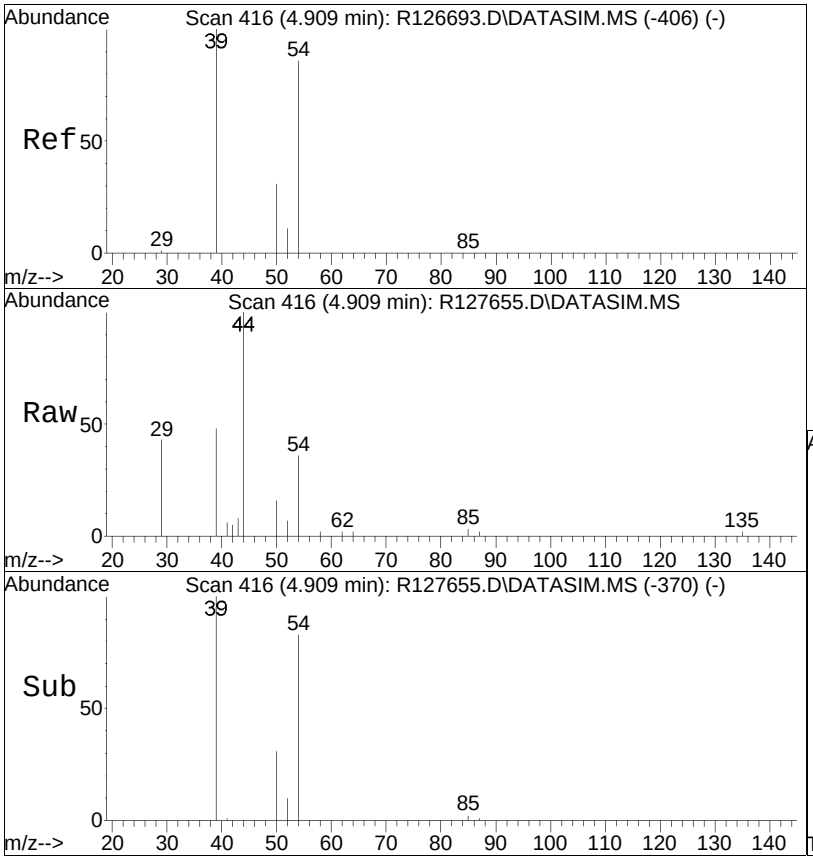


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 85 Resp: 503

Ion	Ratio	Lower	Upper
85	100		
87	43.5	26.5	39.7#
135	73.3	56.9	85.3

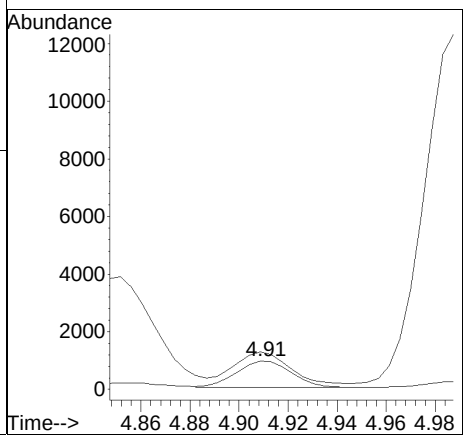


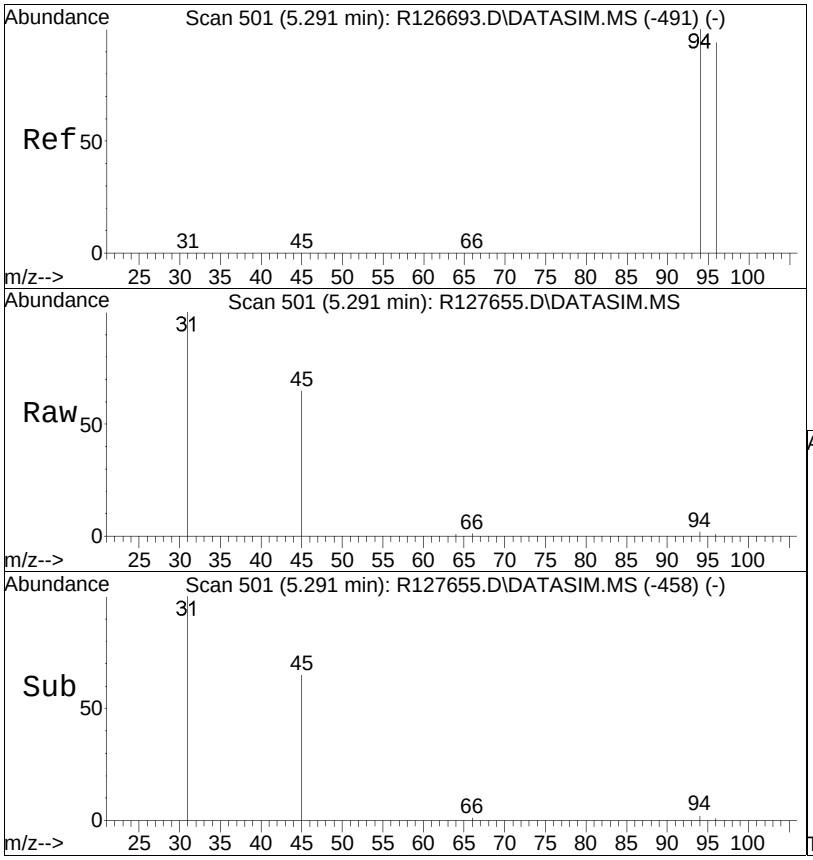


#7
1,3-butadiene
Concen: 0.12 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 54 Resp: 1444

Ion	Ratio	Lower	Upper
54	100		
39	132.9	92.4	138.6

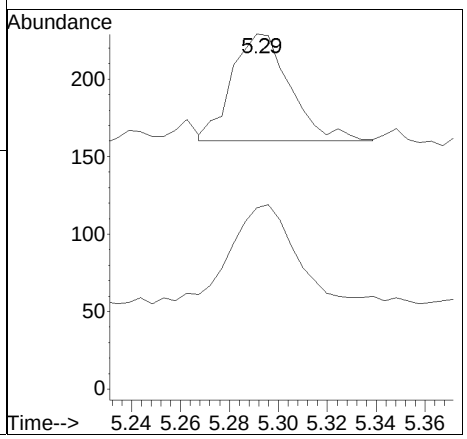


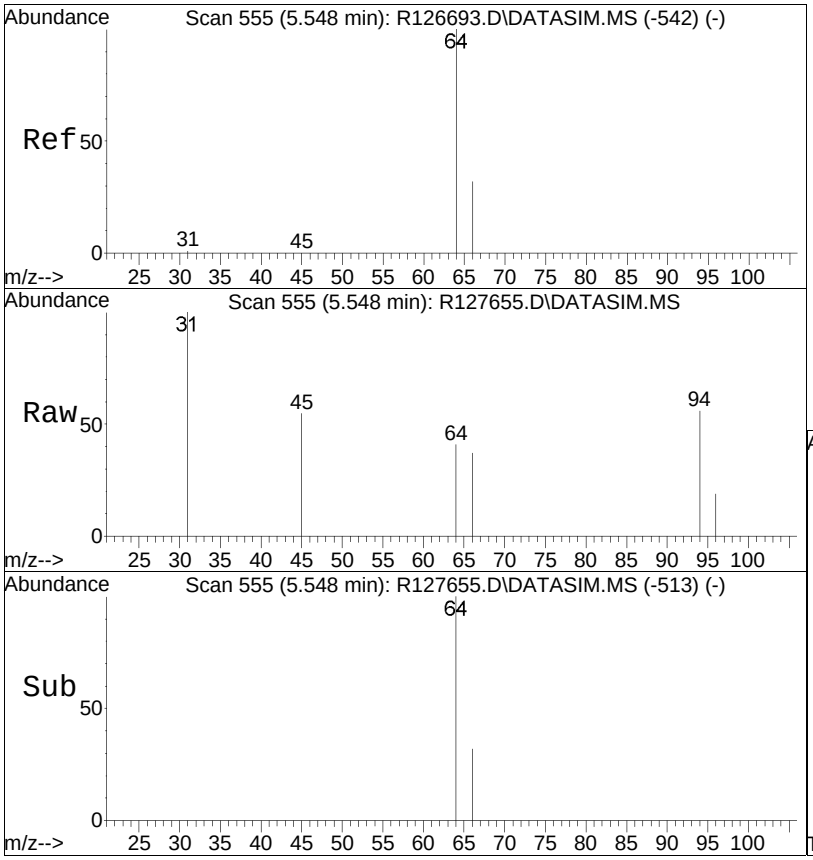


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 94 Resp: 115

Ion	Ratio	Lower	Upper
94	100		
96	51.1	76.9	115.3#

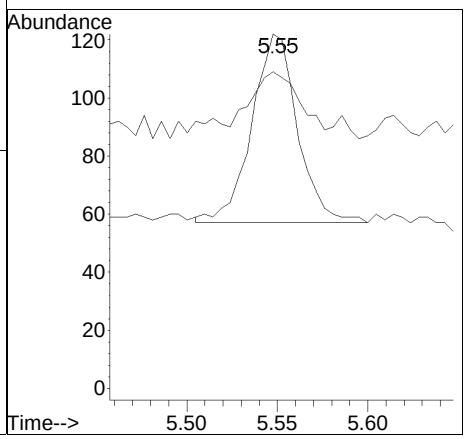


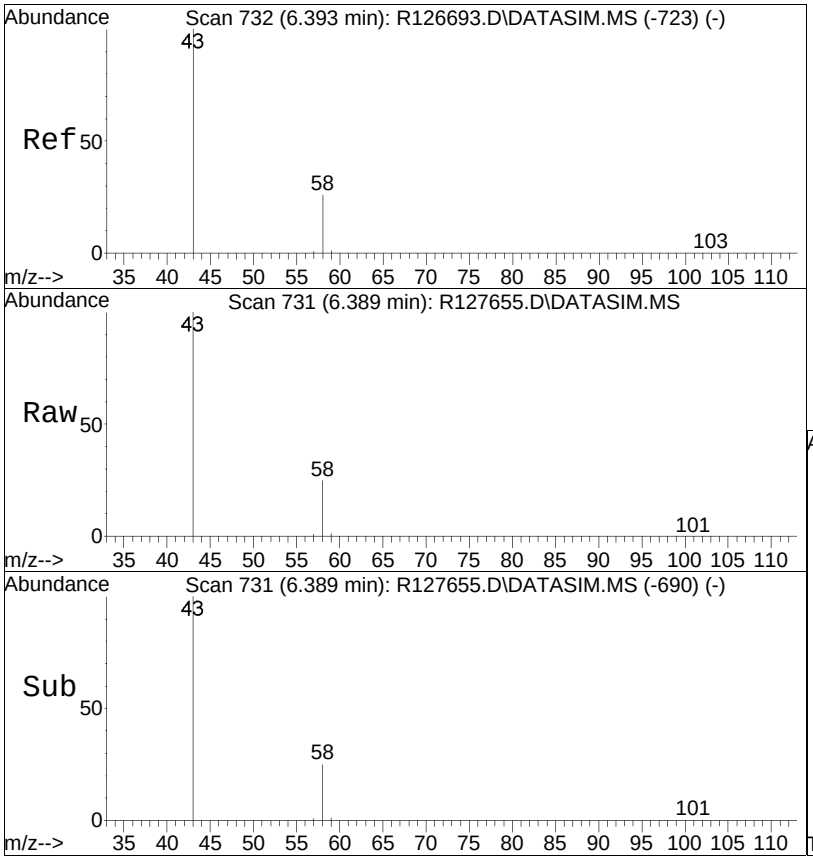


#9
chloroethane
Concen: 0.02 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 64 Resp: 115

Ion	Ratio	Lower	Upper
64	100		
66	89.3	25.5	38.3#

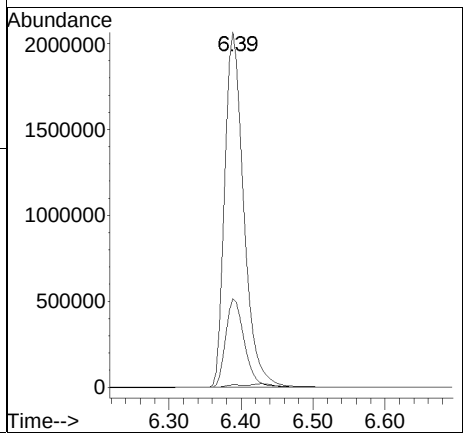


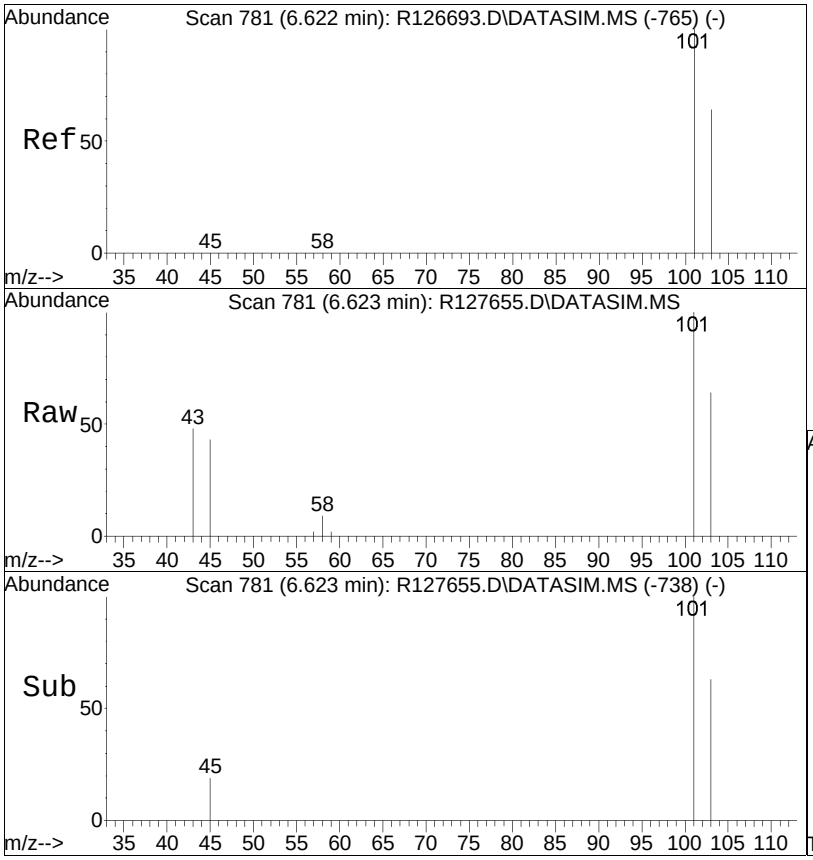


#12
acetone
Concen: 130.38 ppbV
RT: 6.39 min Scan# 731
Delta R.T. -0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 43 Resp: 3819999

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.0	30.0
57	0.8	0.6	1.0

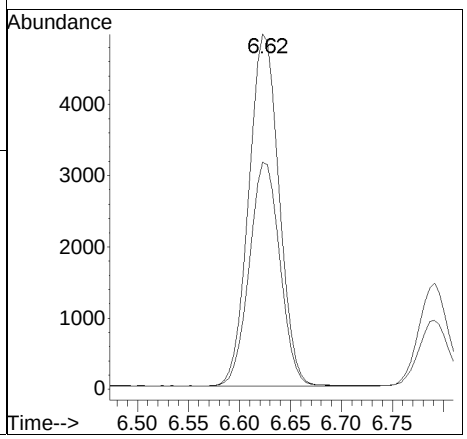


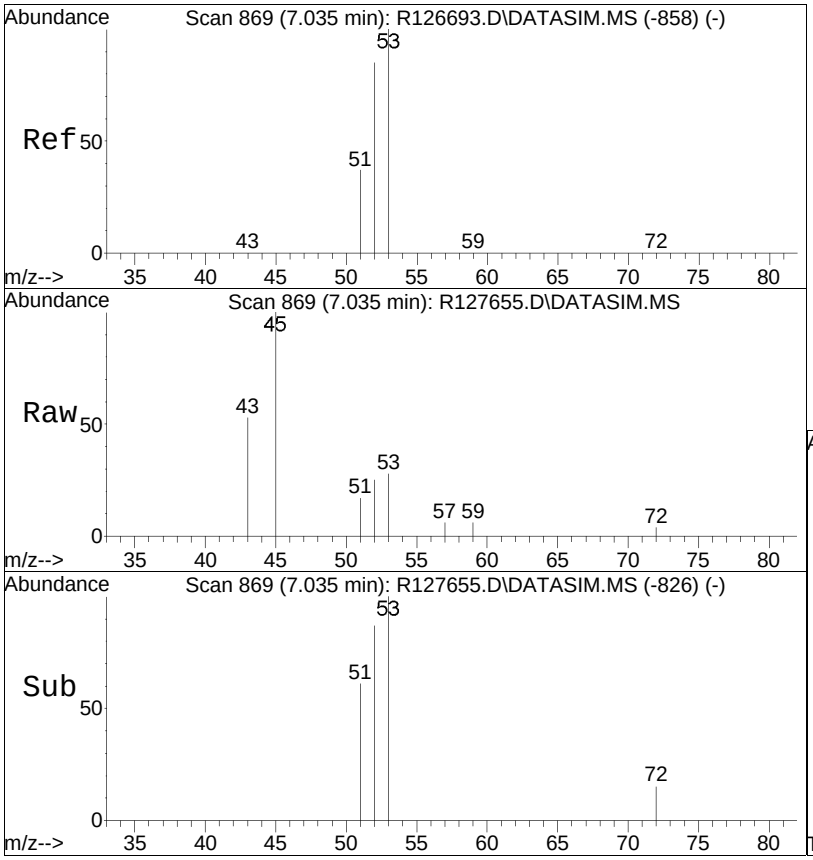


#13
trichlorofluoromethane
Concen: 0.24 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:101 Resp: 10225

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

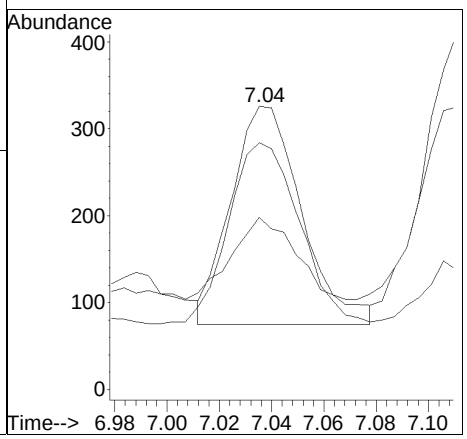


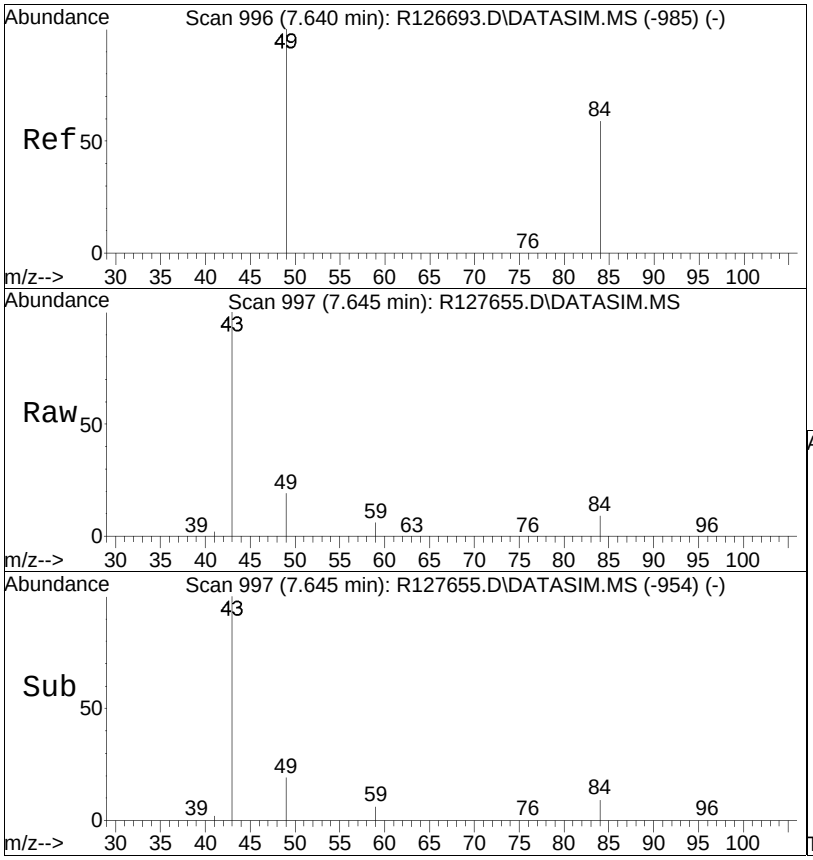


#15
acrylonitrile
Concen: 0.03 ppbV m
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 53 Resp: 470

Ion	Ratio	Lower	Upper
53	100		
52	87.1	68.5	102.7
51	60.7	30.1	45.1#

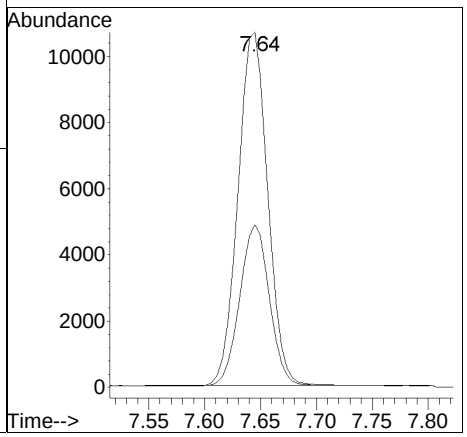


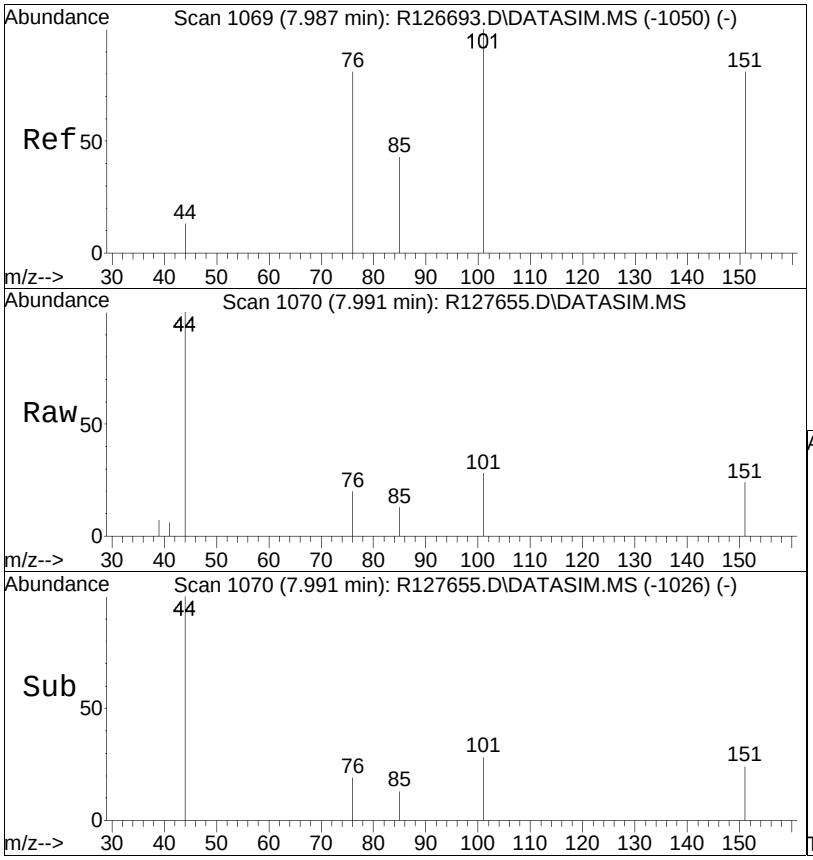


#17
methylene chloride
Concen: 0.81 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 49 Resp: 19721

Ion	Ratio	Lower	Upper
49	100		
84	45.8	37.2	55.8

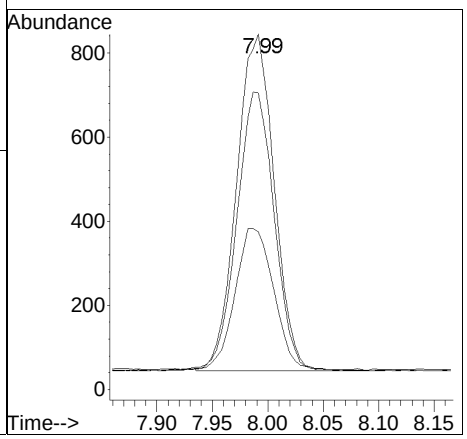


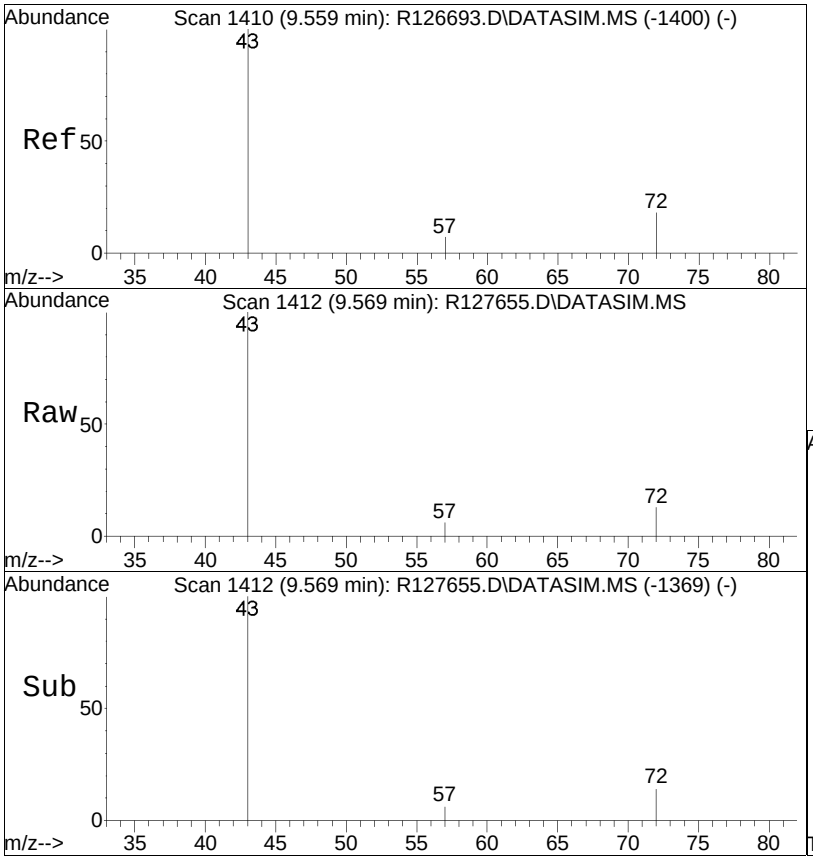


#20
Freon 113
Concen: 0.06 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:101 Resp: 1885

Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.2	51.2
151	83.4	67.8	101.8

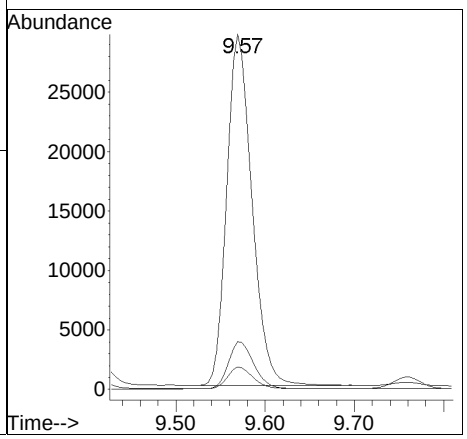


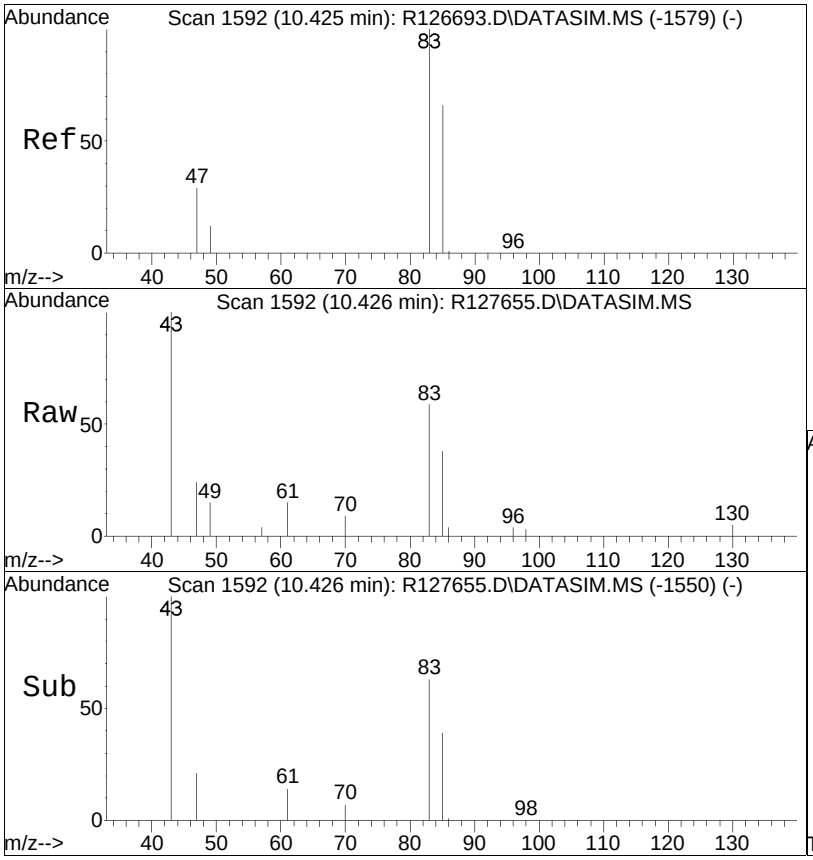


#26
2-butanone
Concen: 1.26 ppbV
RT: 9.57 min Scan# 1412
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 43 Resp: 58026

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	6.3	5.2	7.8

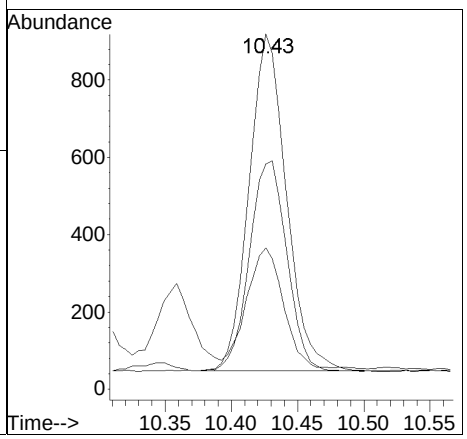


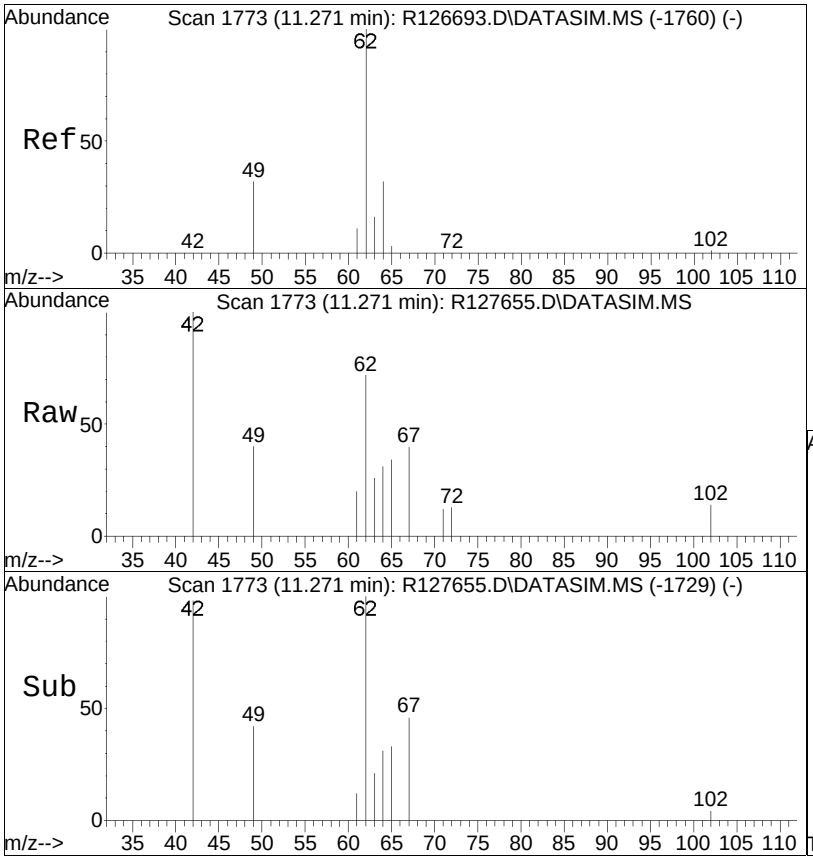


#29
chloroform
Concen: 0.05 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 83 Resp: 1714

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.2
47	39.8	26.4	39.6#

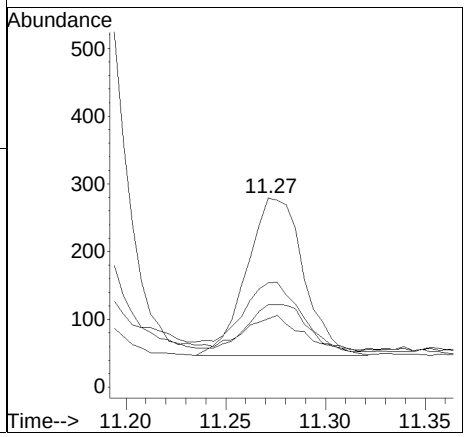


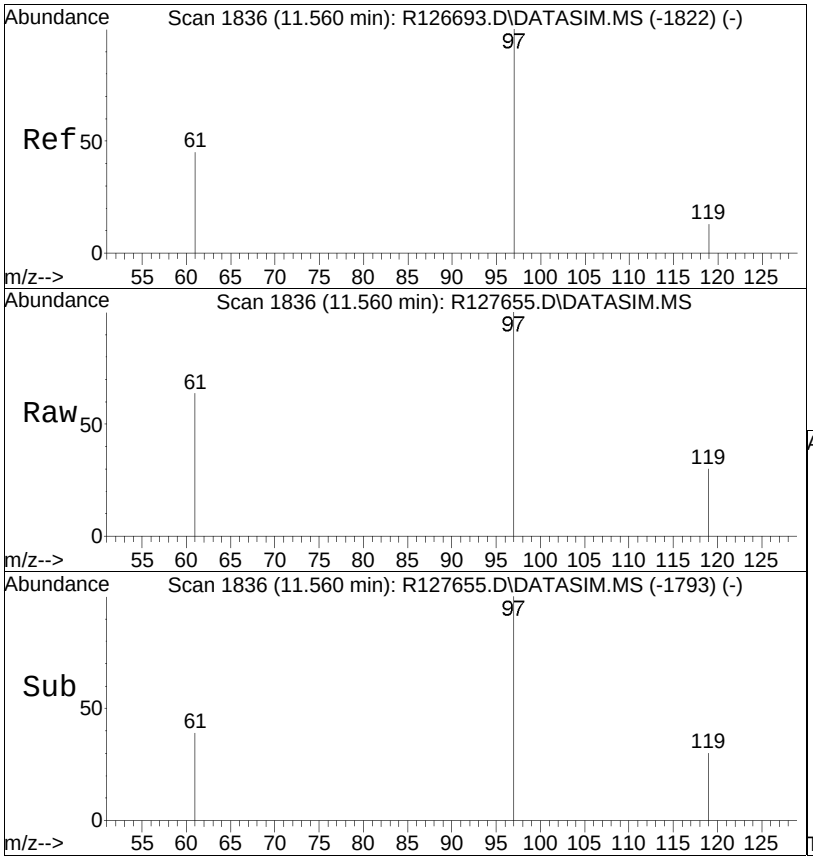


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 62 Resp: 459

Ion	Ratio	Lower	Upper
62	100		
64	43.7	25.0	37.6#
49	55.2	31.2	46.8#
63	36.2	13.3	19.9#

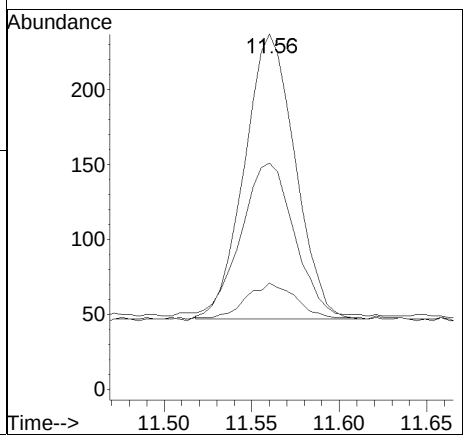


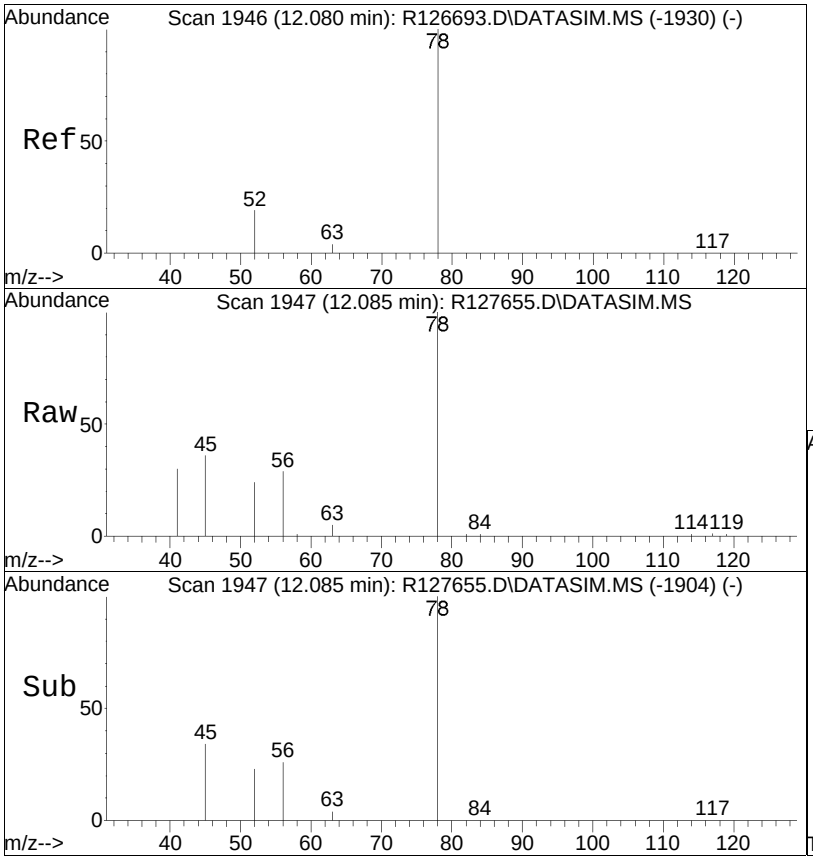


#35
1,1,1-trichloroethane
Concen: 0.01 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 97 Resp: 382

Ion	Ratio	Lower	Upper
97	100		
61	63.7	38.6	58.0#
119	30.0	11.0	16.6#

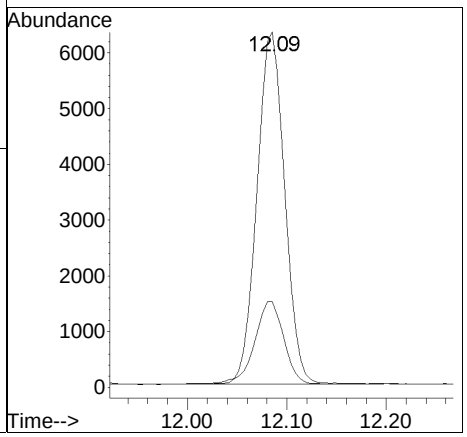


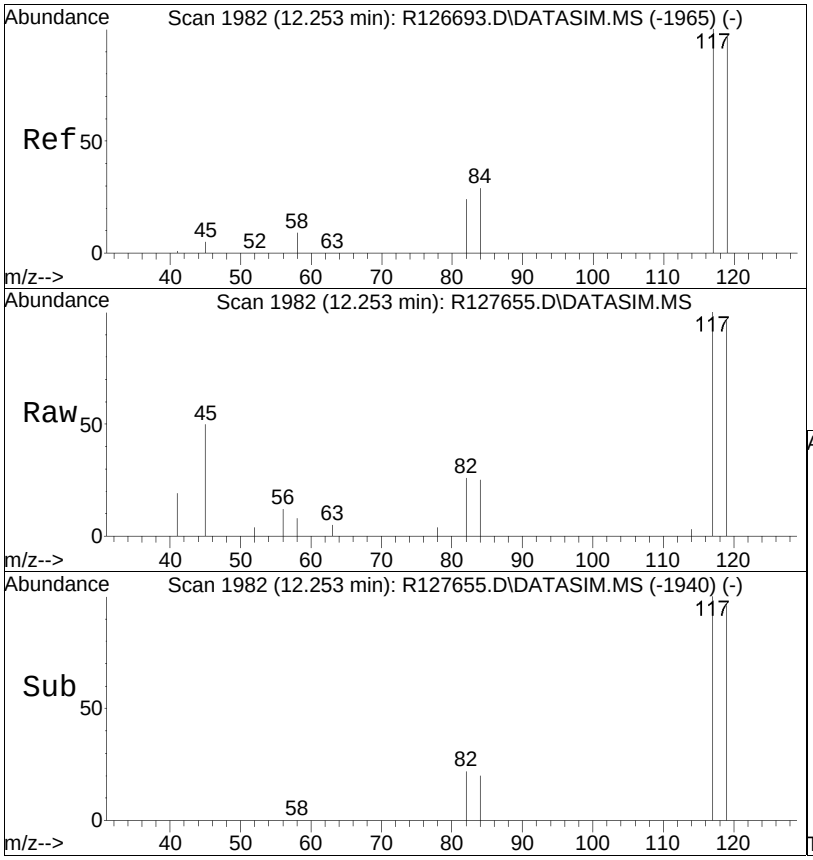


#36
benzene
Concen: 0.28 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 78 Resp: 12256

Ion	Ratio	Lower	Upper
78	100		
52	24.2	18.5	27.7

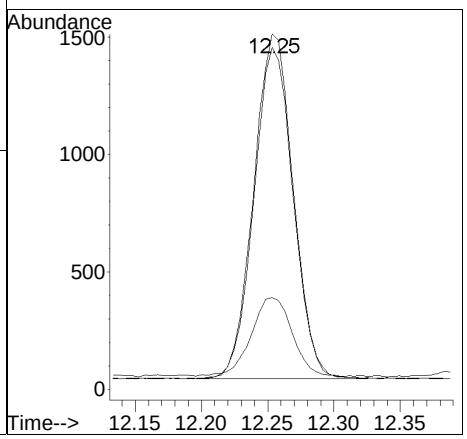


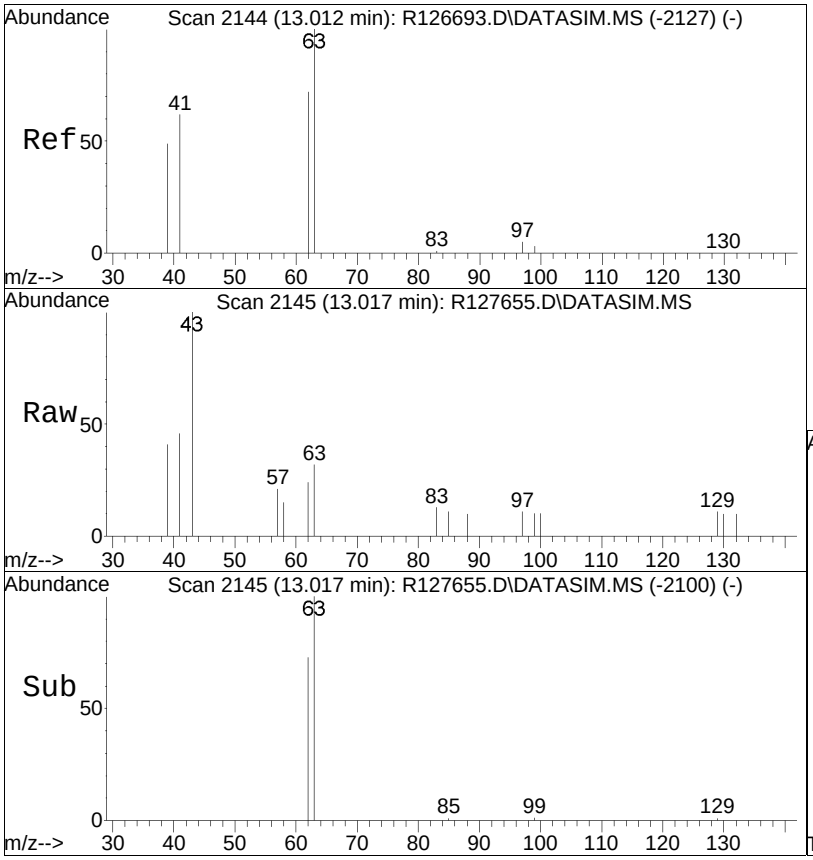


#37
carbon tetrachloride
Concen: 0.09 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:117 Resp: 3047

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.4	116.0
82	25.9	18.2	27.2

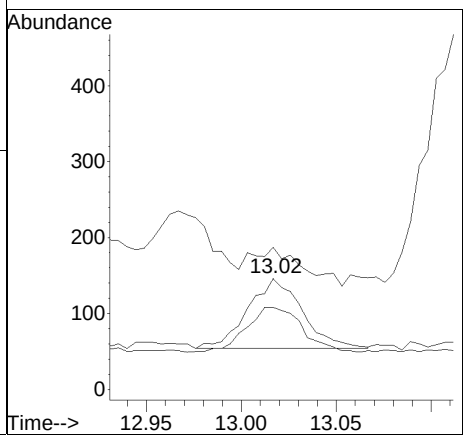


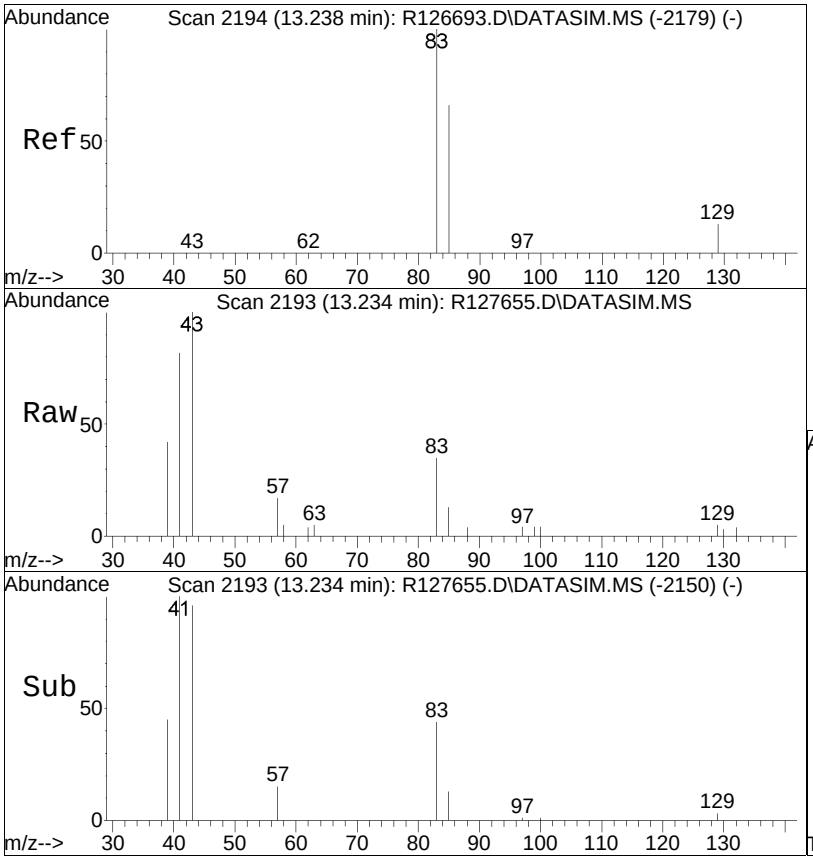


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.02 min Scan# 2145
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 63 Resp: 184

Ion	Ratio	Lower	Upper
63	100		
62	74.0	59.4	89.2
39	128.1	35.9	53.9#

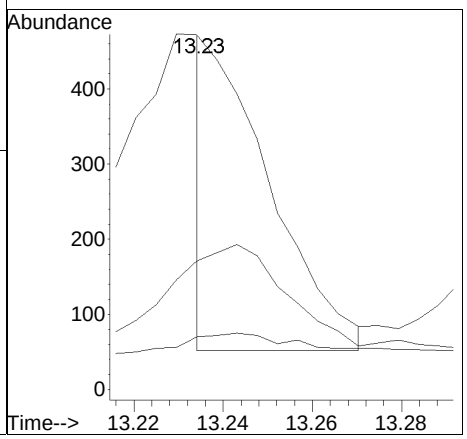


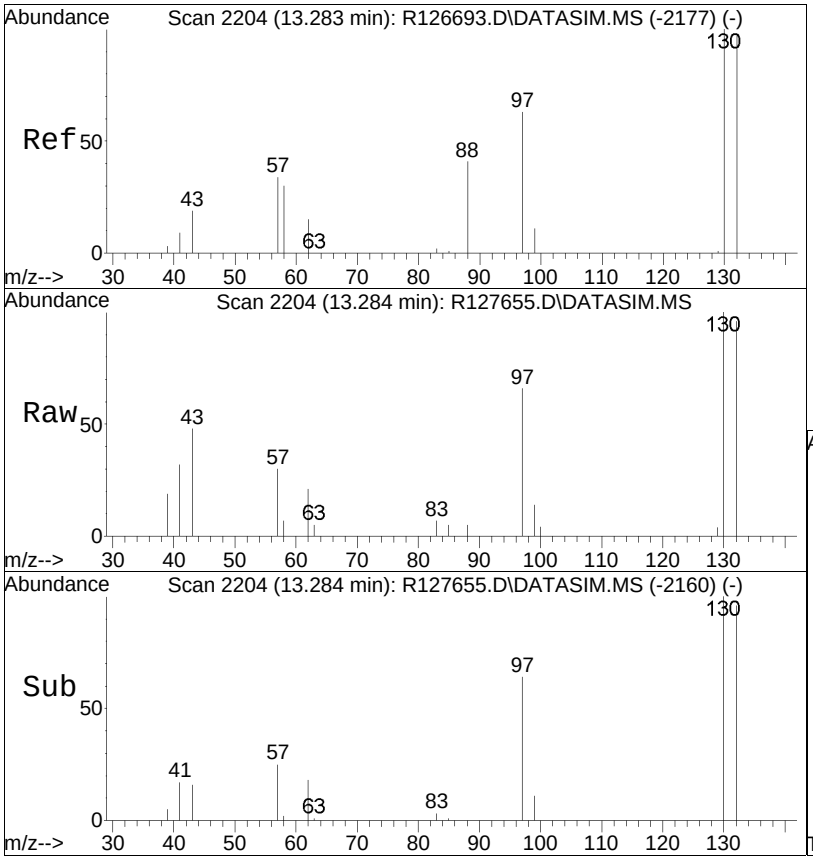


#40
bromodichloromethane
Concen: 0.01 ppbV m
RT: 13.23 min Scan# 2193
Delta R.T. -0.004 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 83 Resp: 406

Ion	Ratio	Lower	Upper
83	100		
85	36.2	51.0	76.6#
129	14.8	10.2	15.2

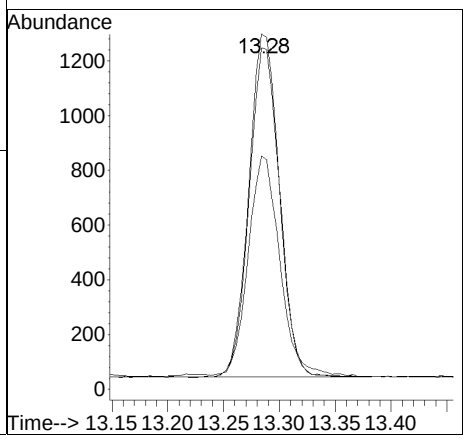


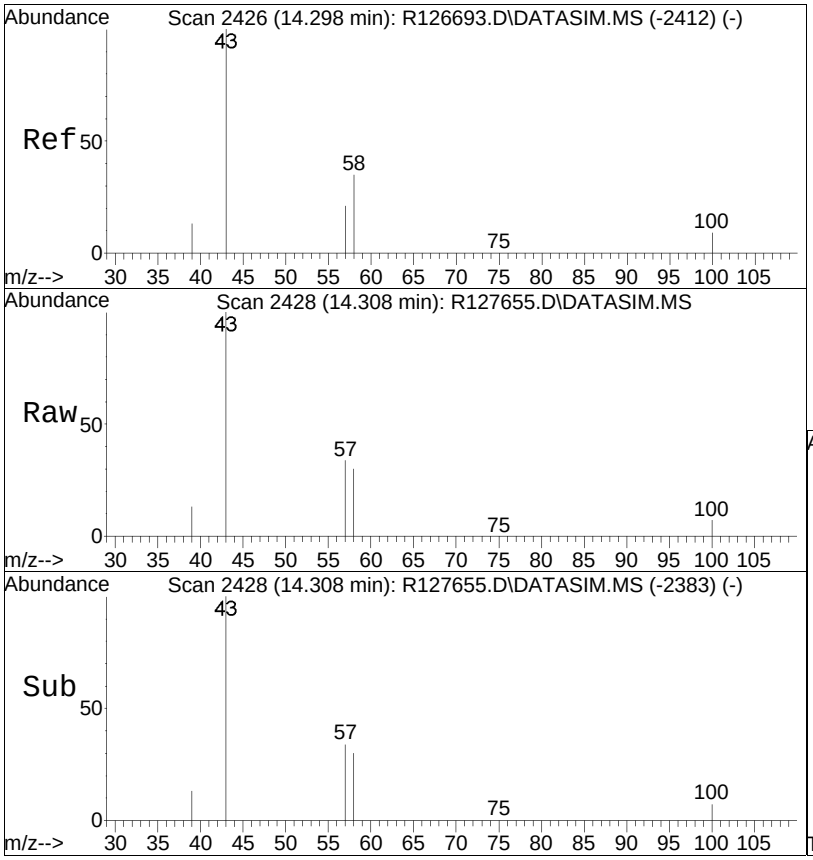


#42
trichloroethene
Concen: 0.11 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:130 Resp: 2391

Ion	Ratio	Lower	Upper
130	100		
132	96.1	77.3	115.9
97	65.6	50.6	75.8

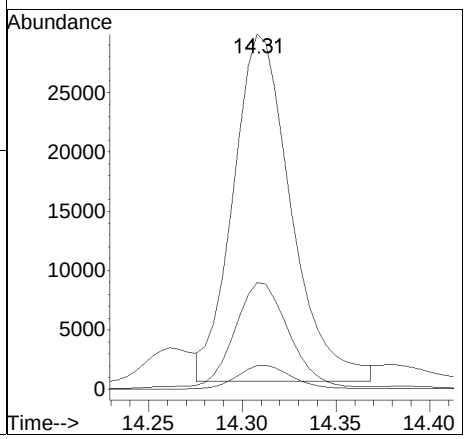


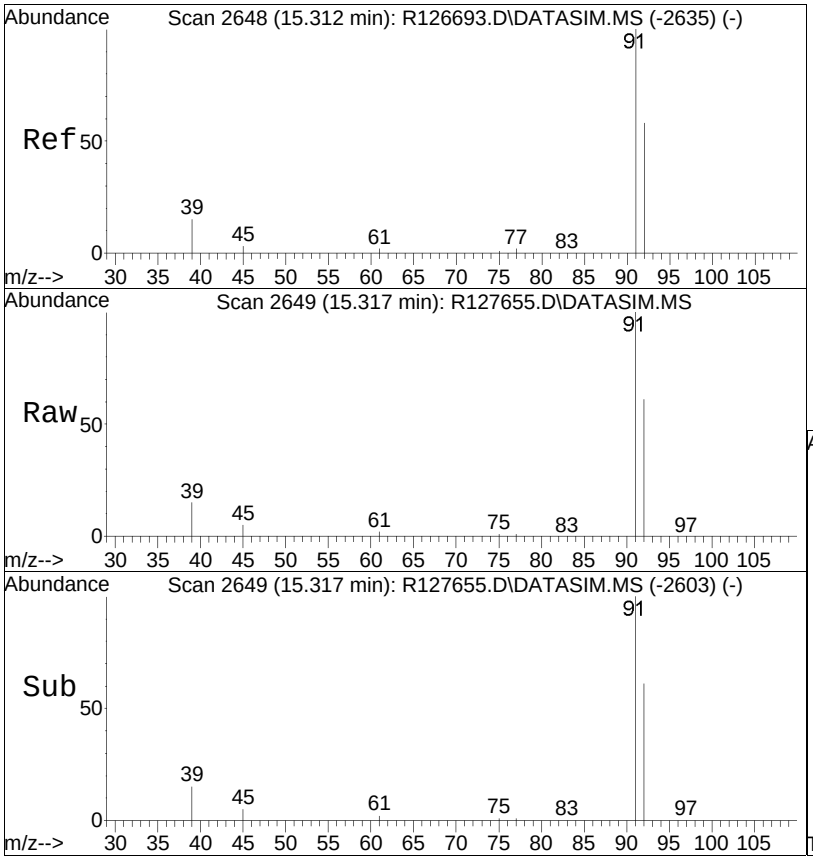


#46
4-methyl-2-pentanone
Concen: 1.27 ppbV m
RT: 14.31 min Scan# 2428
Delta R.T. 0.009 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 43 Resp: 62885

Ion	Ratio	Lower	Upper
43	100		
58	30.1	26.0	39.0
100	6.7	5.8	8.6

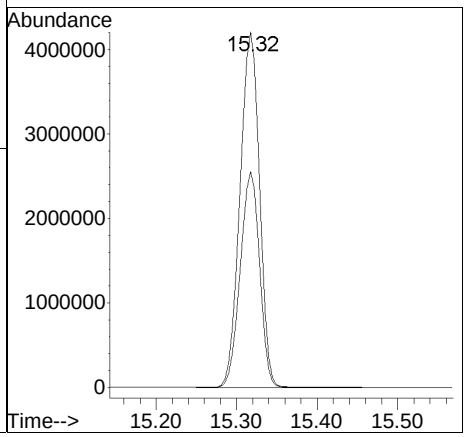


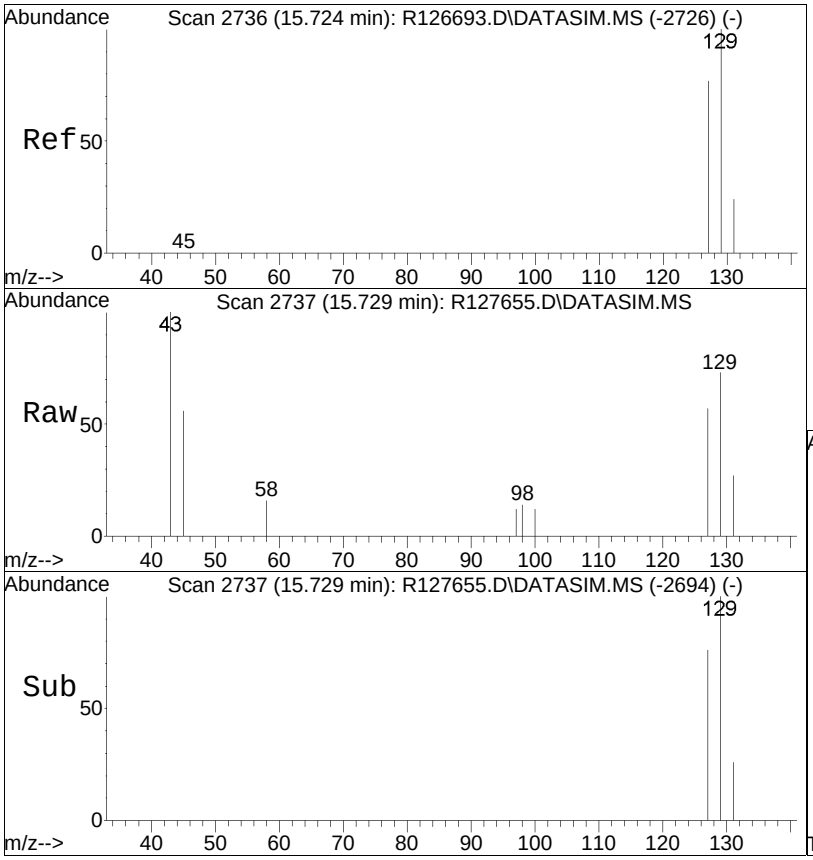


#50
toluene
Concen: 127.13 ppbV
RT: 15.32 min Scan# 2649
Delta R.T. 0.009 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 91 Resp: 7099845

Ion	Ratio	Lower	Upper
91	100		
92	60.7	46.4	69.6

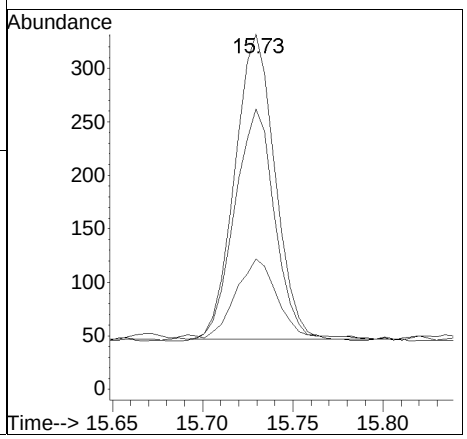


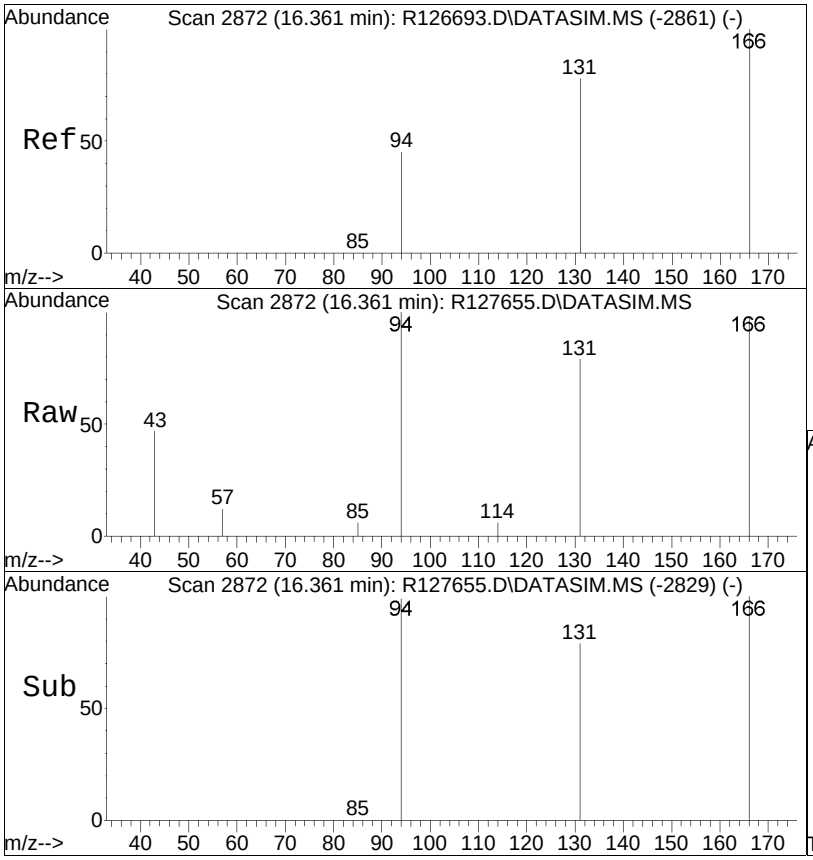


#53
dibromochloromethane
Concen: 0.01 ppbV
RT: 15.73 min Scan# 2737
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:129 Resp: 441

Ion	Ratio	Lower	Upper
129	100		
127	78.9	62.4	93.6
131	36.7	19.8	29.8#

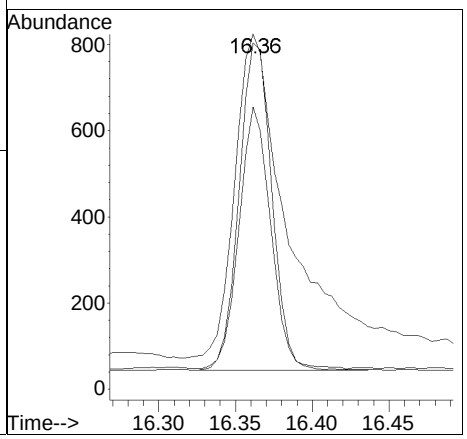


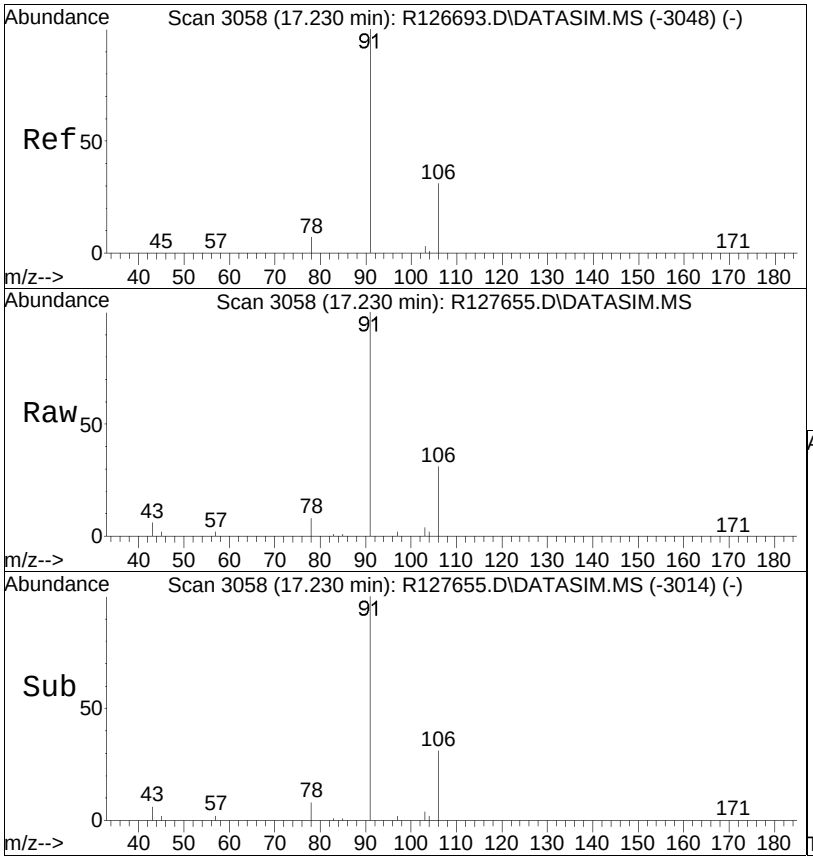


#55
tetrachloroethene
Concen: 0.04 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:166 Resp: 1124

Ion	Ratio	Lower	Upper
166	100		
131	81.5	60.6	90.8
94	102.5	32.2	48.2#

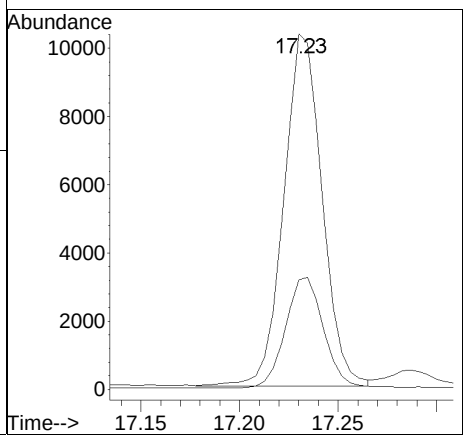


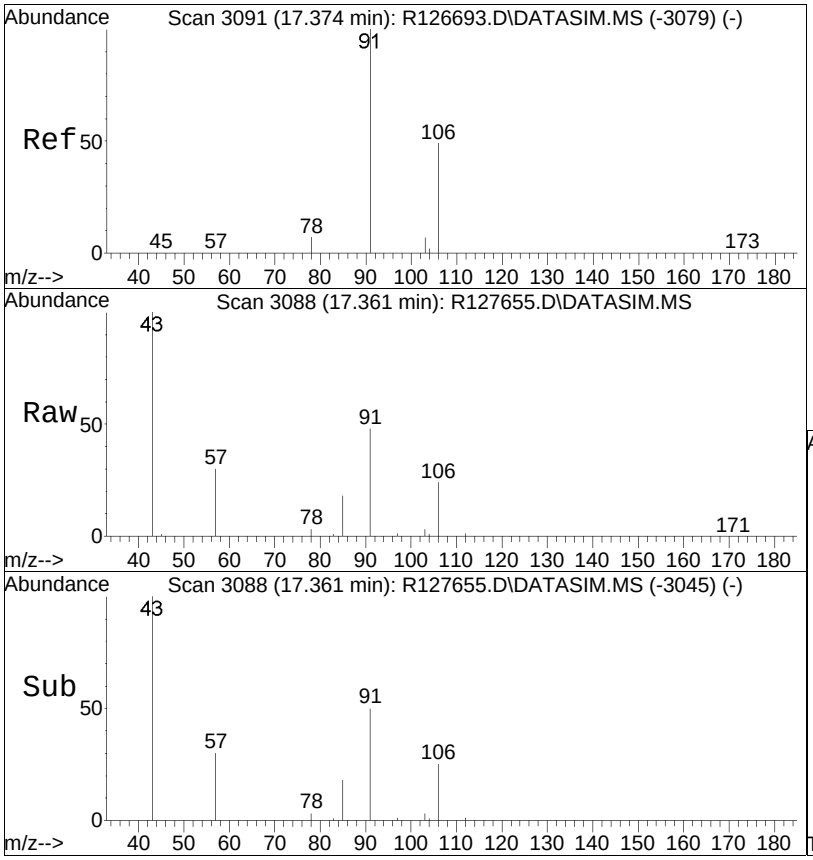


#58
ethylbenzene
Concen: 0.19 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 91 Resp: 13932

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.3	37.9

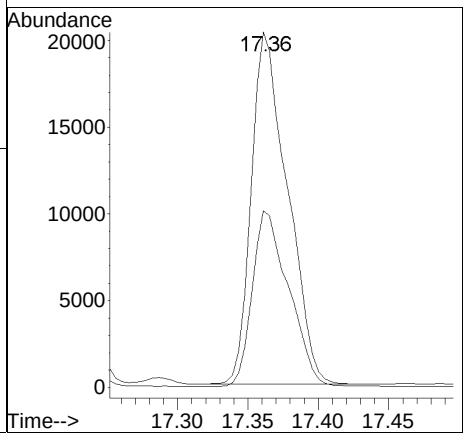


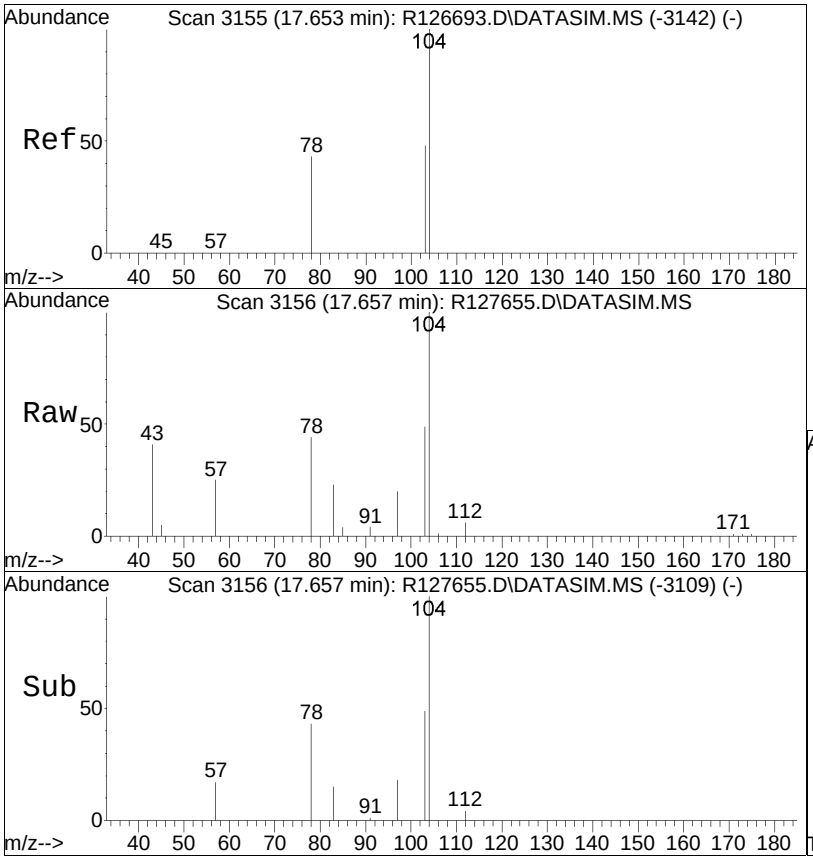


#59
m+p-xylene
Concen: 0.65 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 91 Resp: 36262

Ion	Ratio	Lower	Upper
91	100		
106	49.7	40.0	60.0

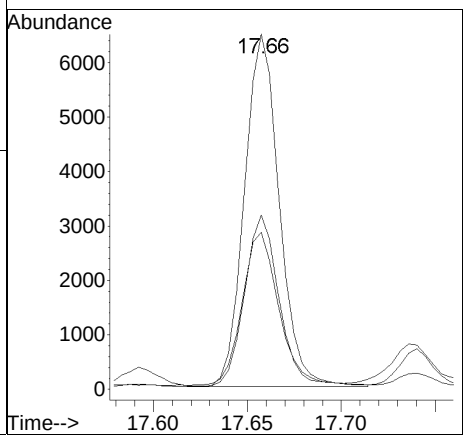


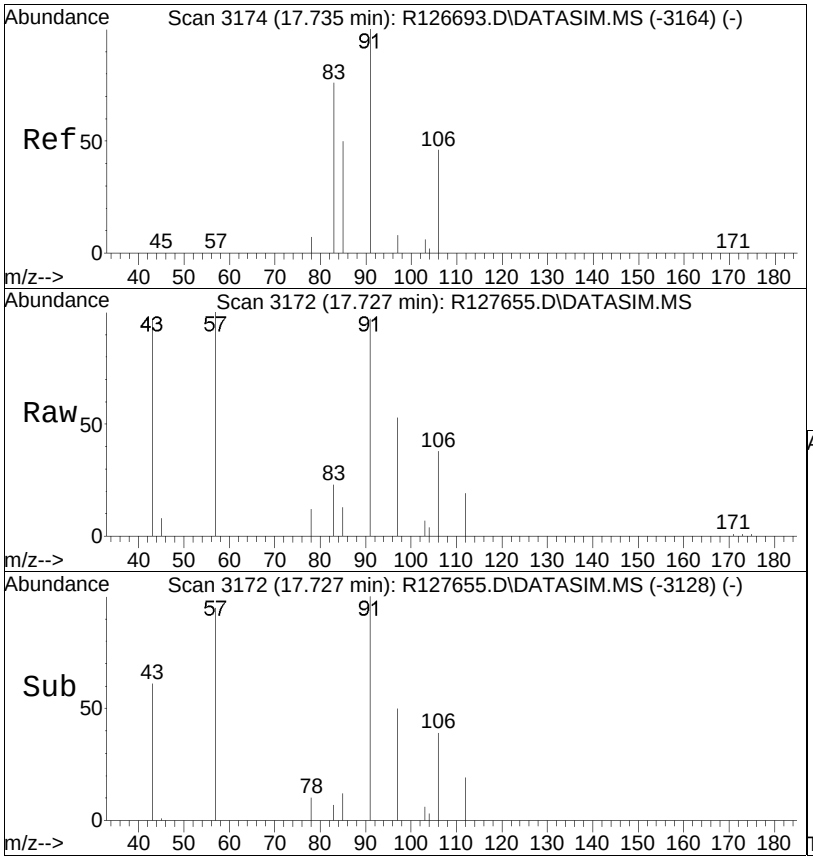


#61
styrene
Concen: 0.19 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:104 Resp: 8391

Ion	Ratio	Lower	Upper
104	100		
103	49.1	38.3	57.5
78	44.2	35.0	52.6

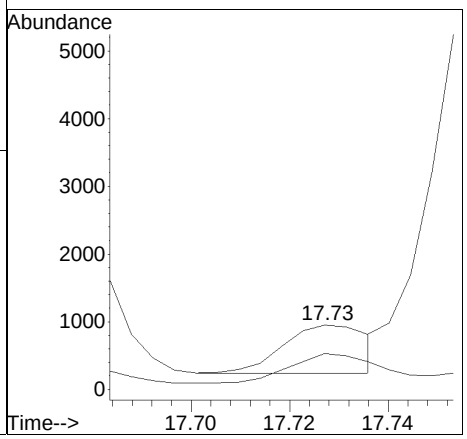


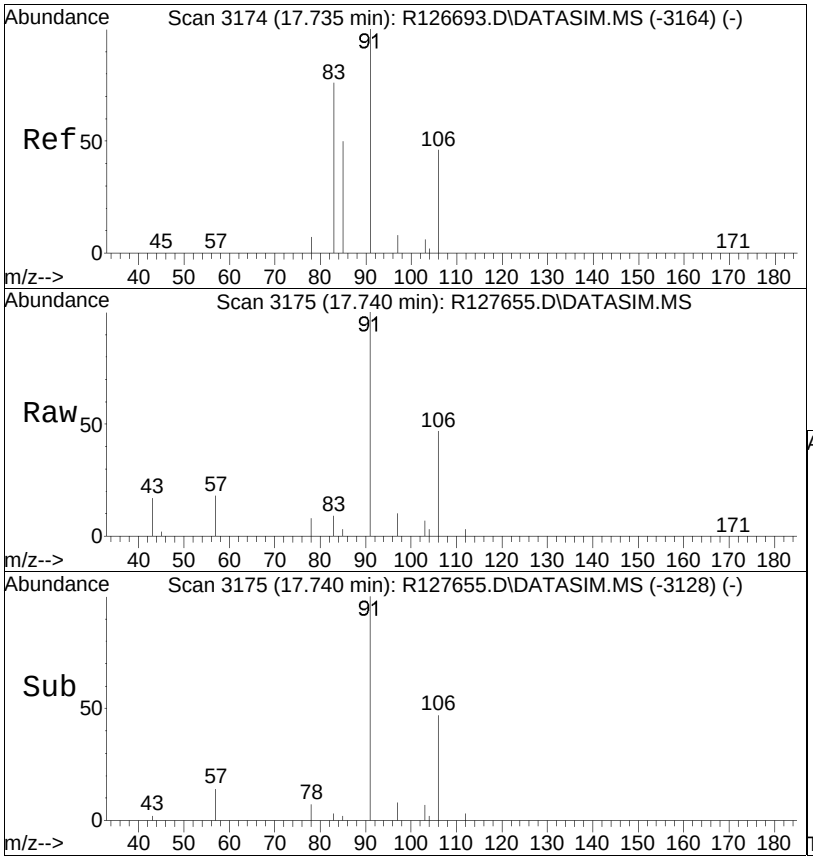


#62
1,1,2,2-tetrachloroethane
Concen: 0.02 ppbV
RT: 17.73 min Scan# 3172
Delta R.T. -0.009 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 83 Resp: 833

Ion	Ratio	Lower	Upper
83	100		
85	55.8	51.4	77.0

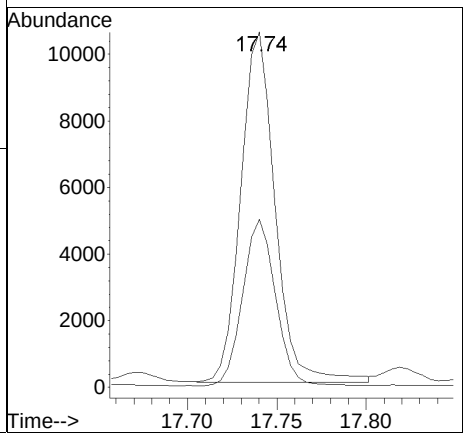


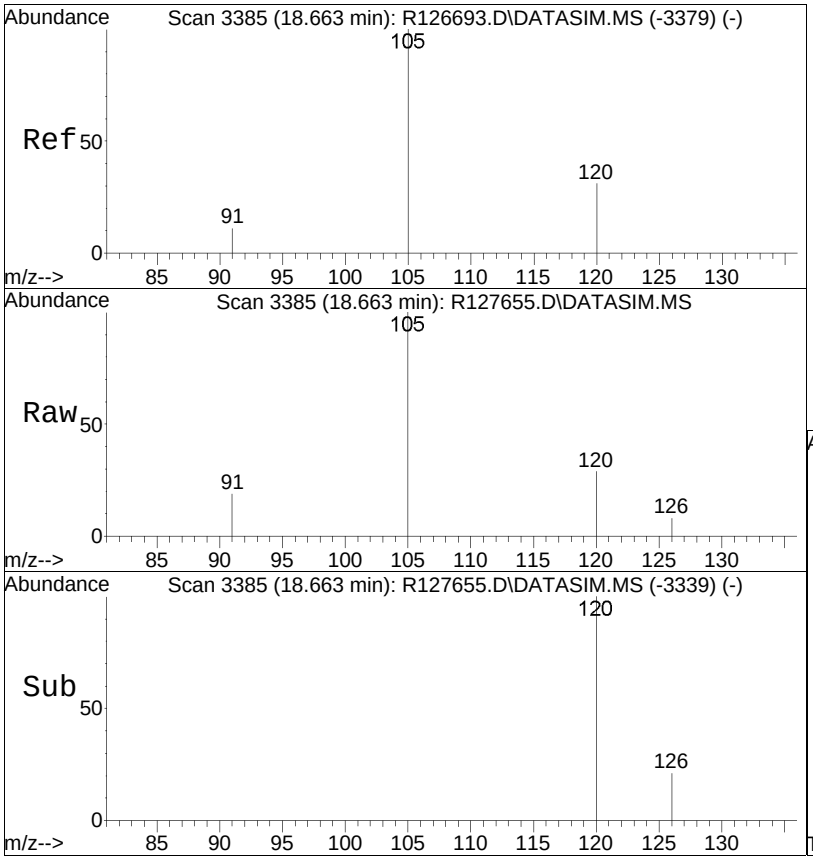


#63
o-xylene
Concen: 0.24 ppbV m
RT: 17.74 min Scan# 3175
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion: 91 Resp: 14149

Ion	Ratio	Lower	Upper
91	100		
106	47.3	37.1	55.7

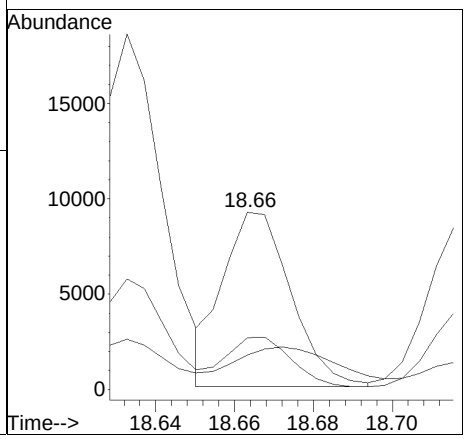


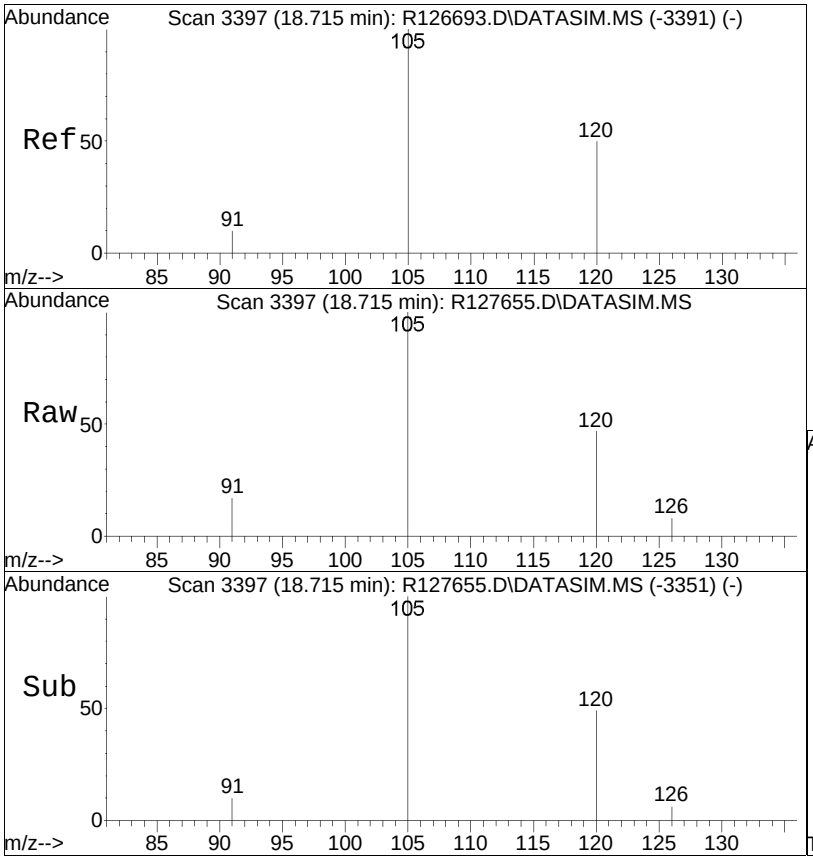


#66
4-ethyl toluene
Concen: 0.13 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:105 Resp: 11031

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.7	35.5
91	19.4	8.5	12.7#

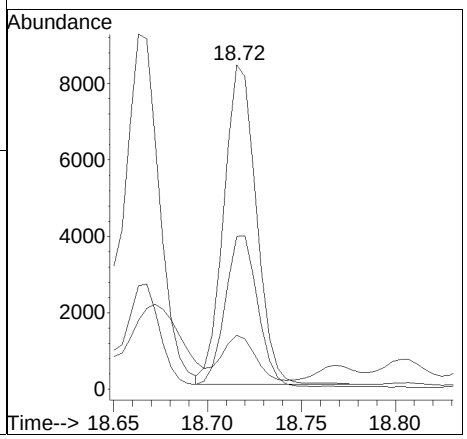


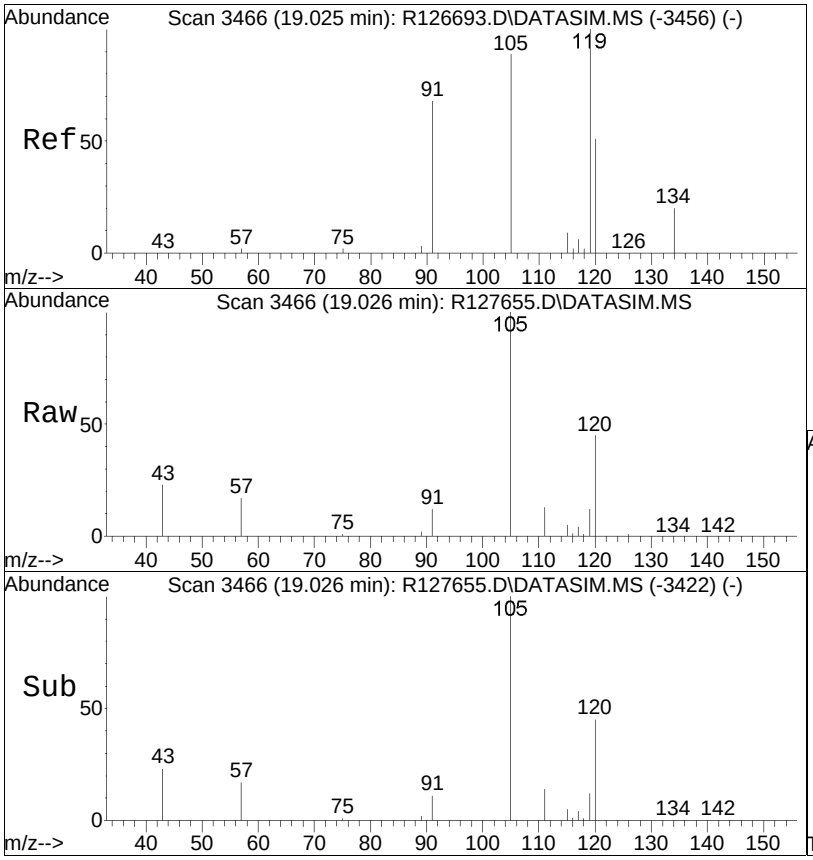


#67
1,3,5-trimethylbenzene
Concen: 0.15 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:105 Resp: 10069

Ion	Ratio	Lower	Upper
105	100		
120	47.1	39.0	58.4
91	16.7	8.0	12.0#

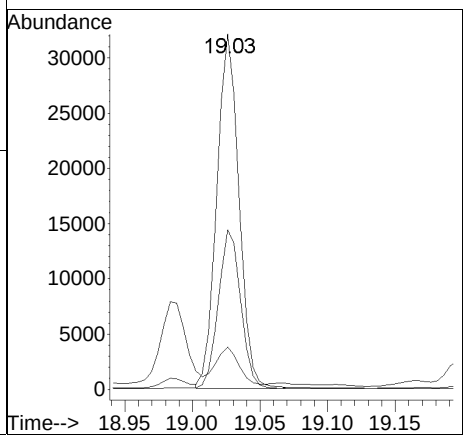


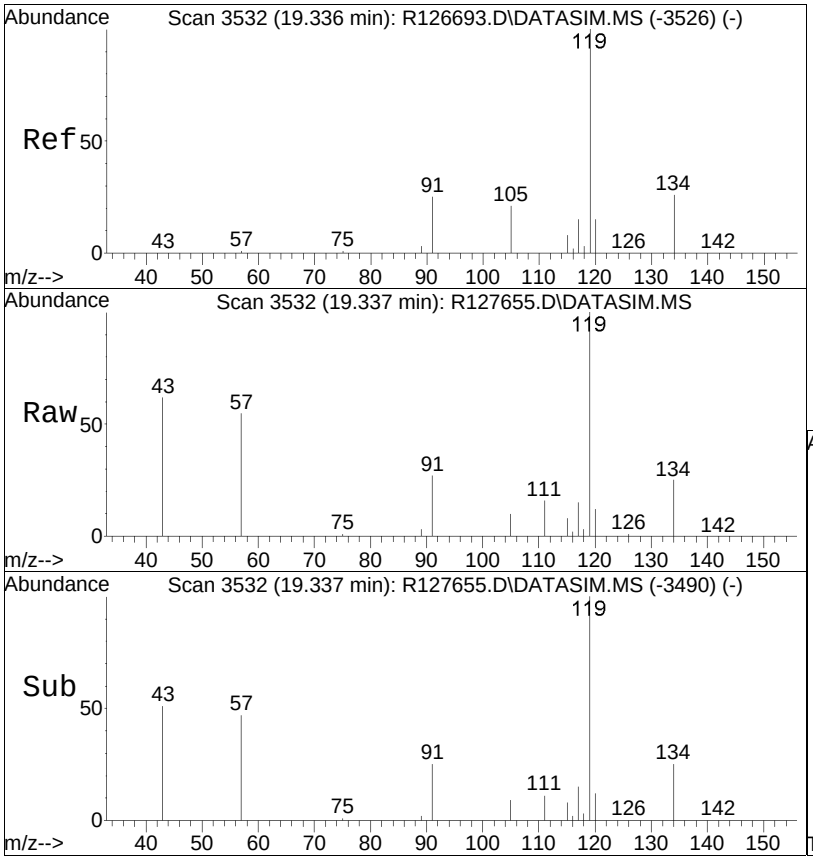


#69
1,2,4-trimethylbenzene
Concen: 0.53 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:105 Resp: 36765

Ion	Ratio	Lower	Upper
105	100		
120	45.0	44.9	67.3
91	11.9	58.6	88.0#

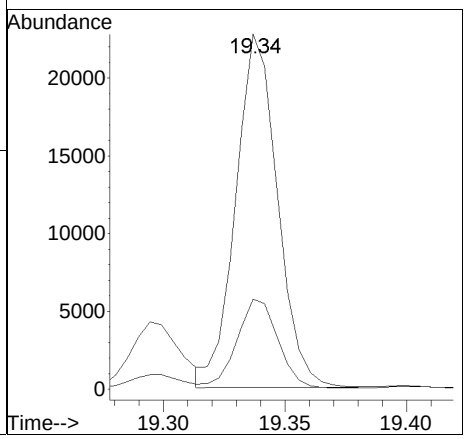


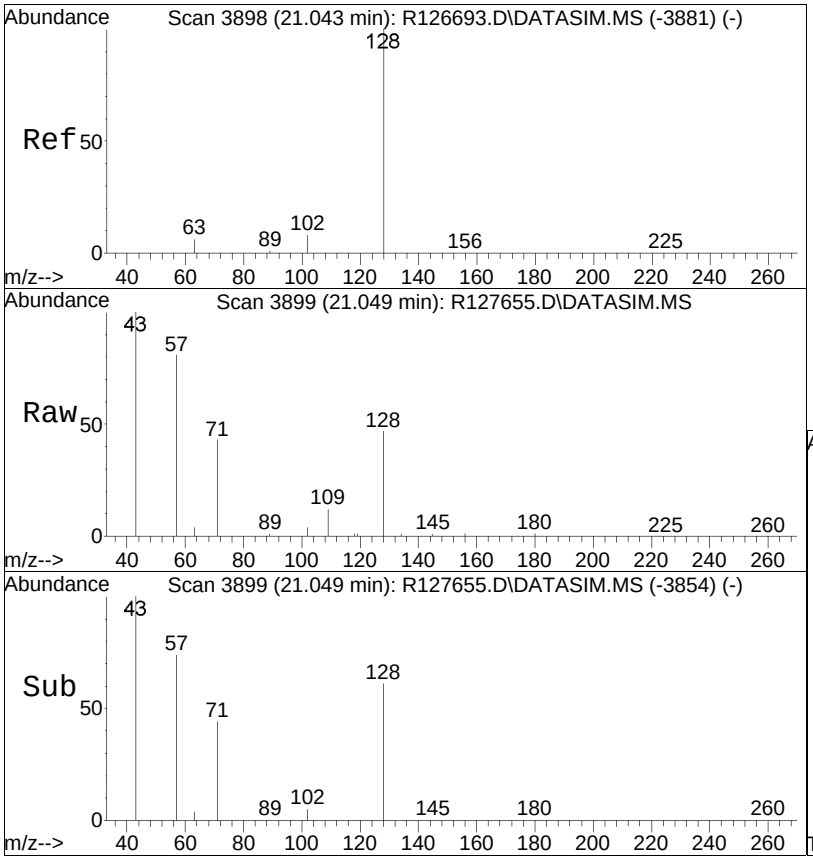


#74
p-isopropyltoluene
Concen: 0.28 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:119 Resp: 27038

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6

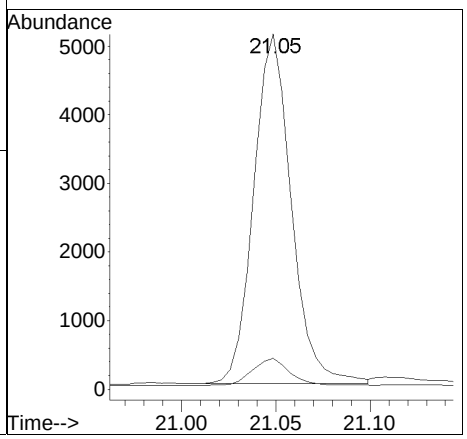




#78
naphthalene
Concen: 0.07 ppbV
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127655.D
Acq: 13 Apr 2013 12:38 am

Tgt Ion:128 Resp: 7098

Ion	Ratio	Lower	Upper
128	100		
102	8.8	6.2	9.2

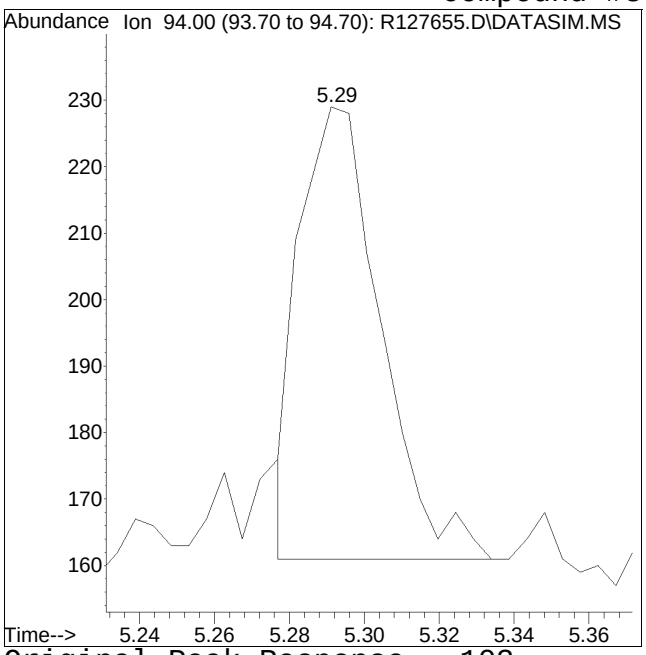


Manual Integration/Negative Proof Report

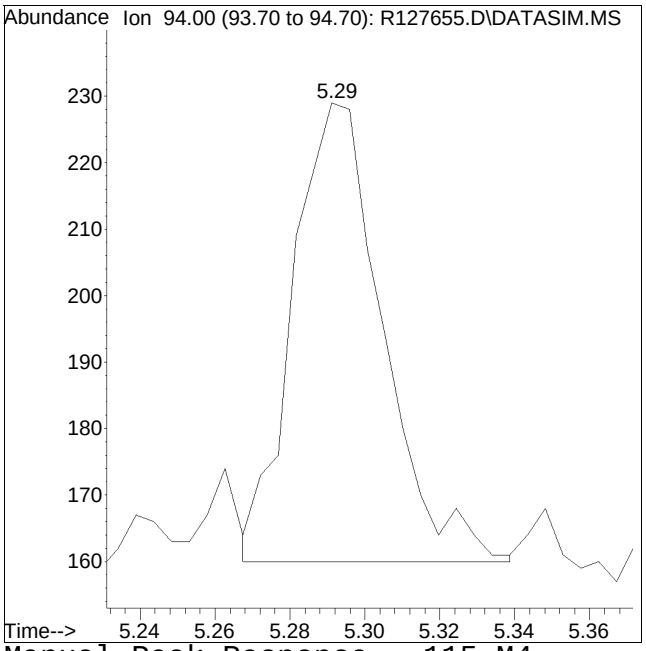
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #8: bromomethane



Original Peak Response = 103



Manual Peak Response = 115 M4

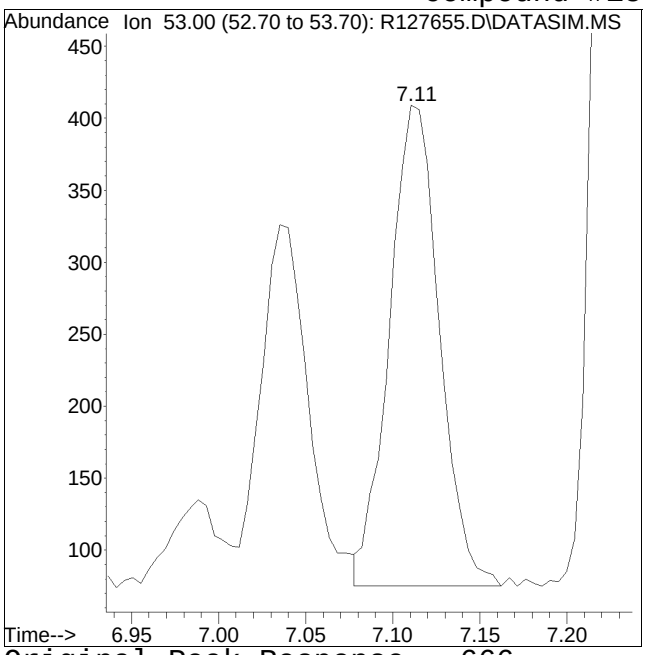
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

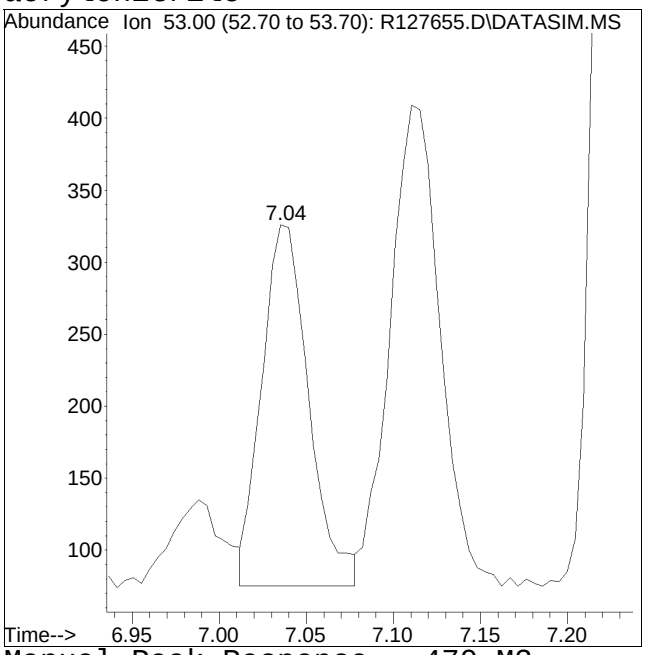
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #15: acrylonitrile



Original Peak Response = 666



Manual Peak Response = 470 M3

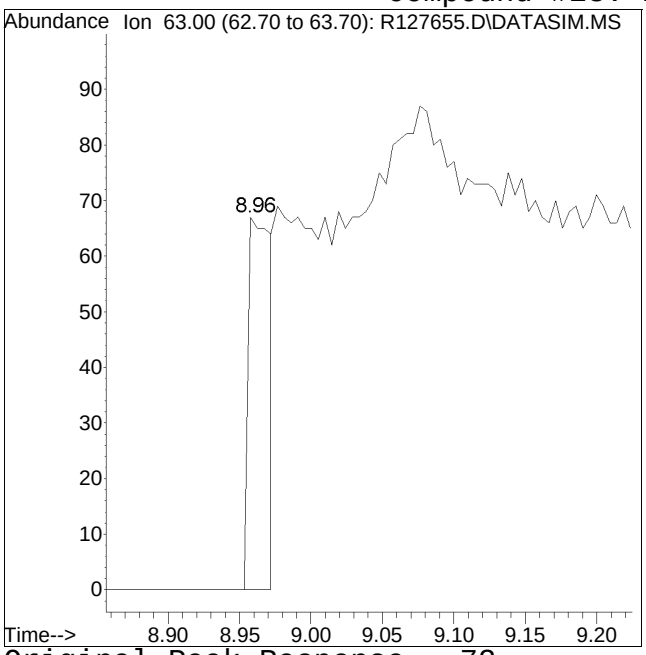
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

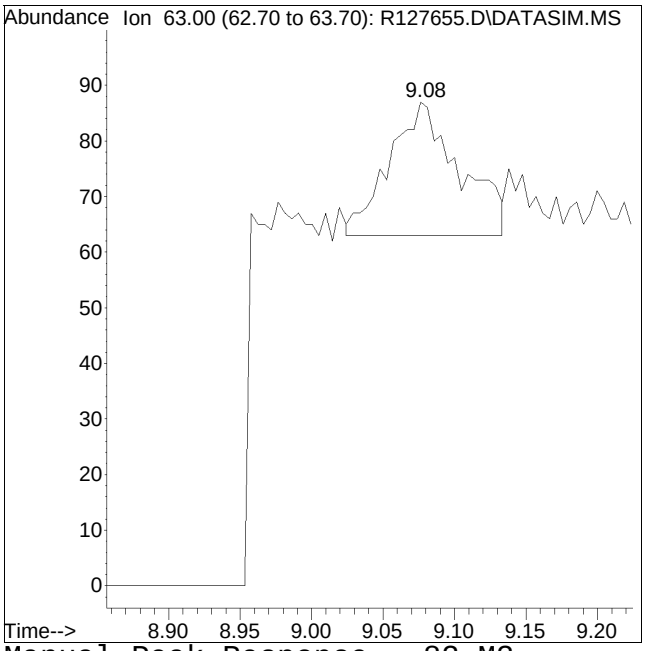
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #23: 1,1-dichloroethane





Original Peak Response = 72 Manual Peak Response = 82 M3

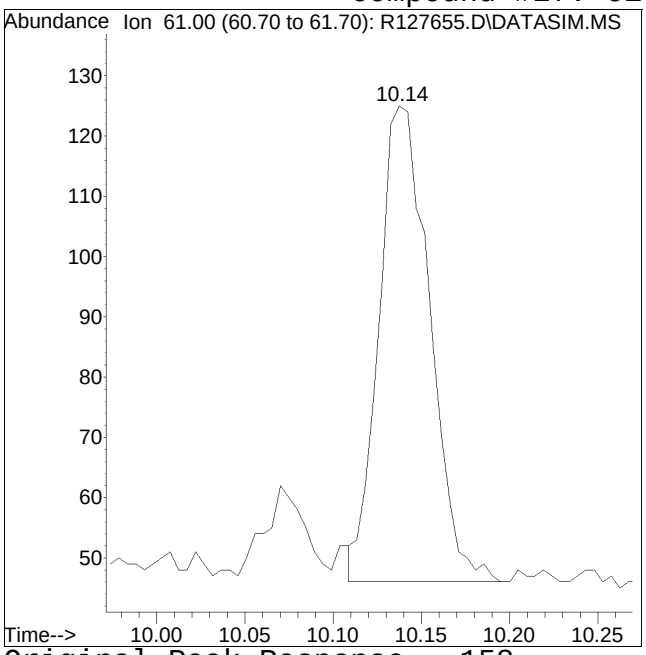
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

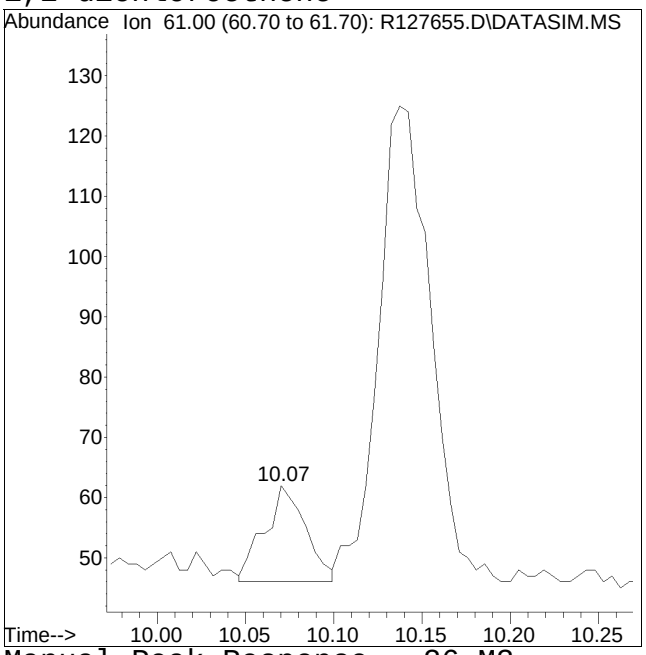
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #27: cis-1,2-dichloroethene





Original Peak Response = 158 Manual Peak Response = 26 M3

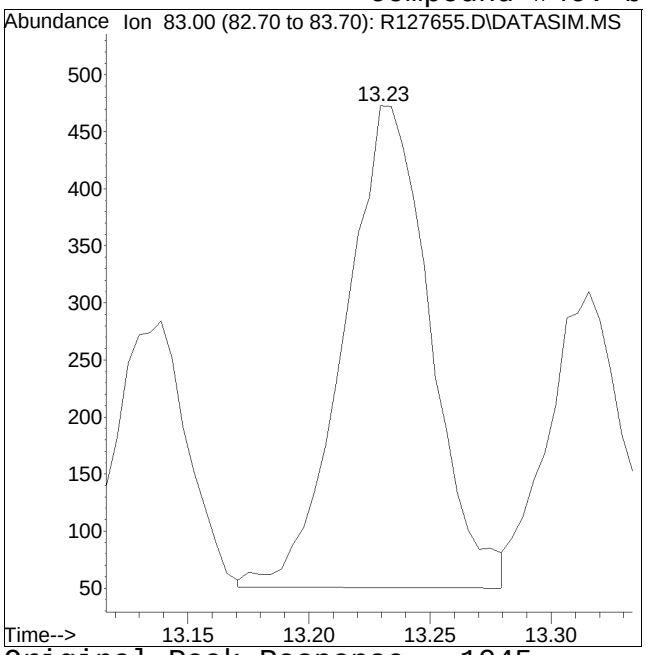
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

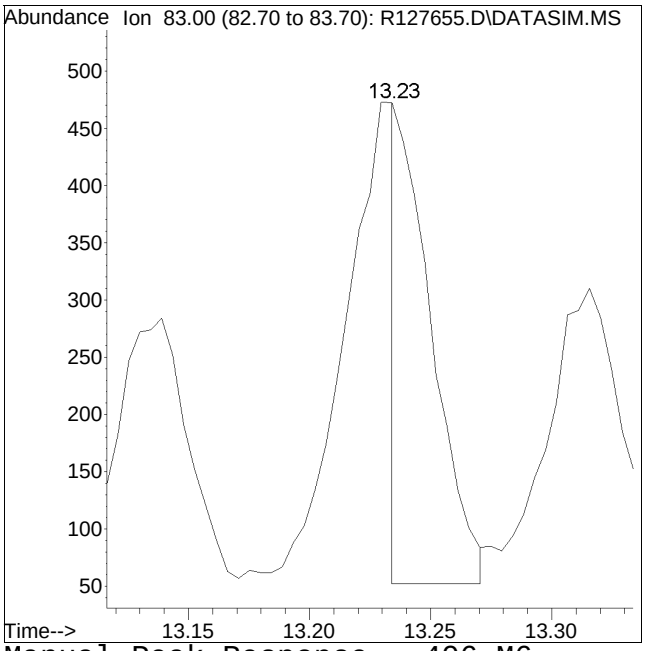
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #40: bromodichloromethane



Original Peak Response = 1045



Manual Peak Response = 406 M6

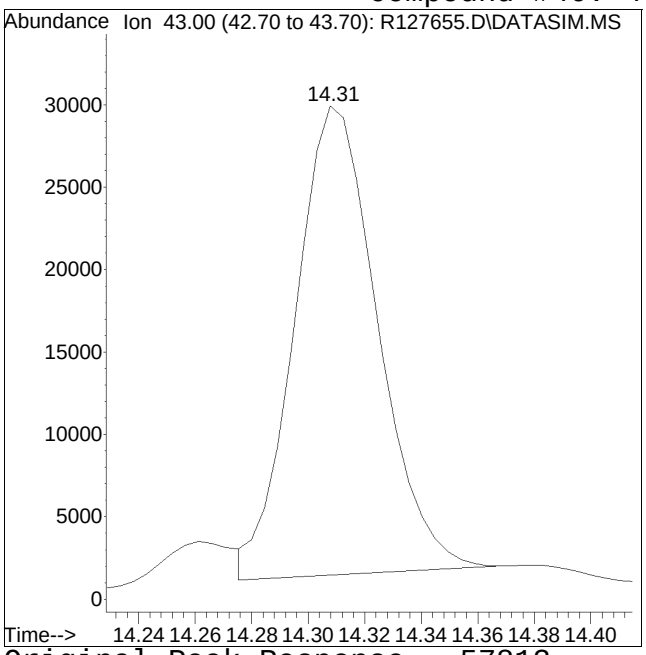
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

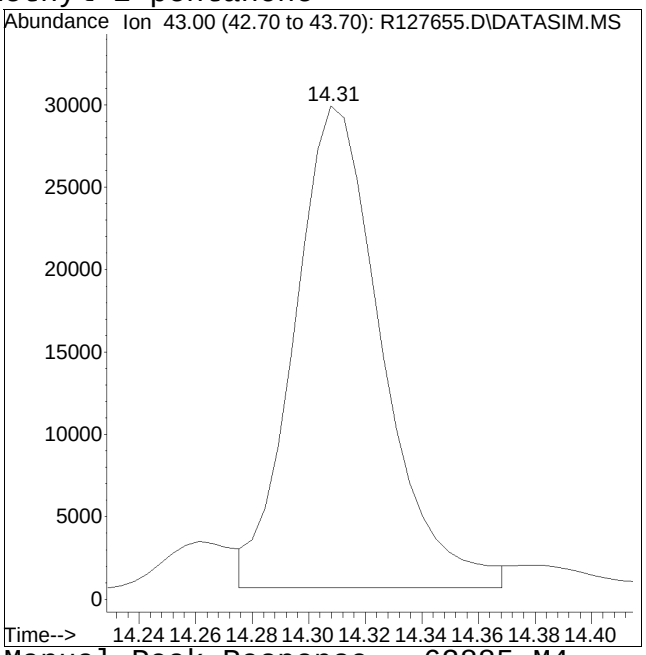
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 57813



Manual Peak Response = 62885 M4

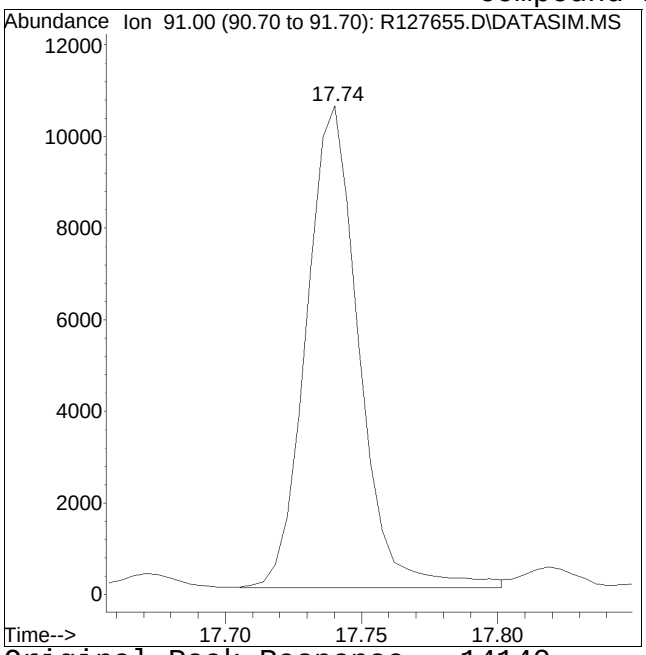
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

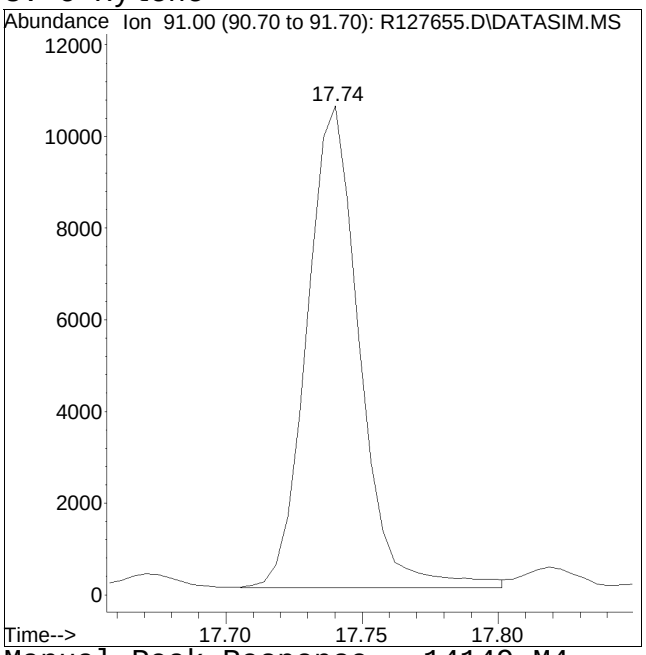
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #63: o-xylene



Original Peak Response = 14140



Manual Peak Response = 14149 M4

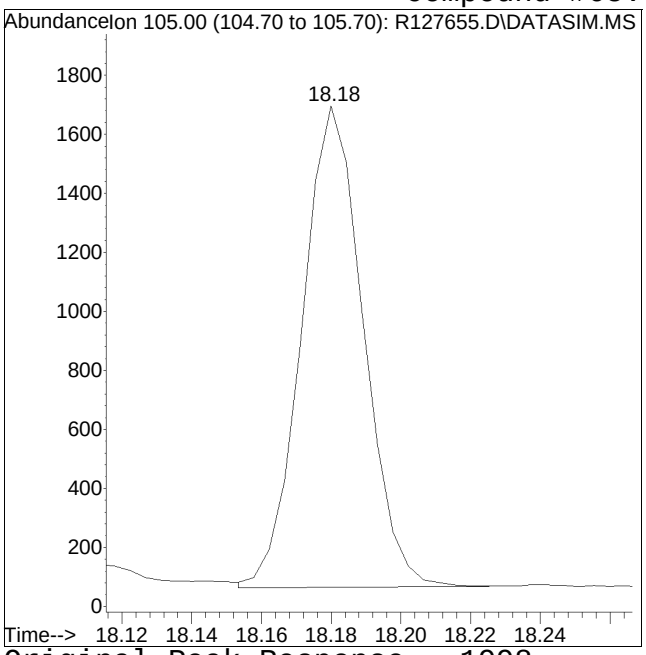
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

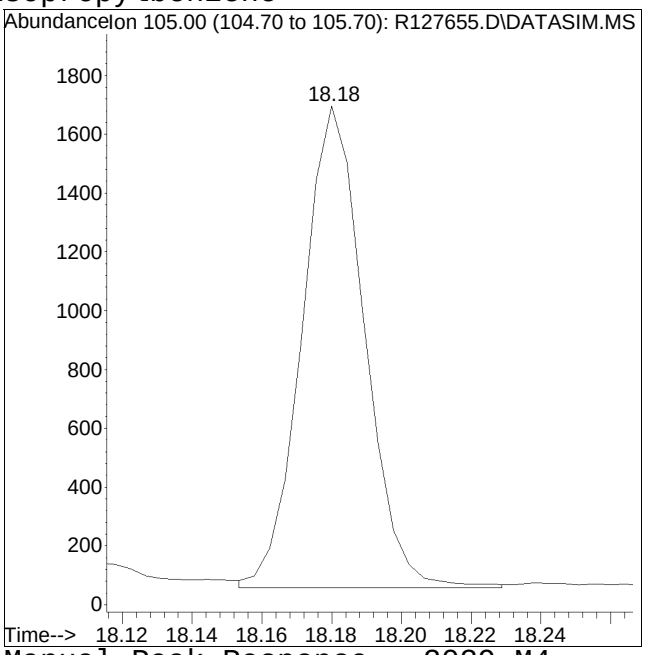
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #65: isopropylbenzene



Original Peak Response = 1998



Manual Peak Response = 2039 M4

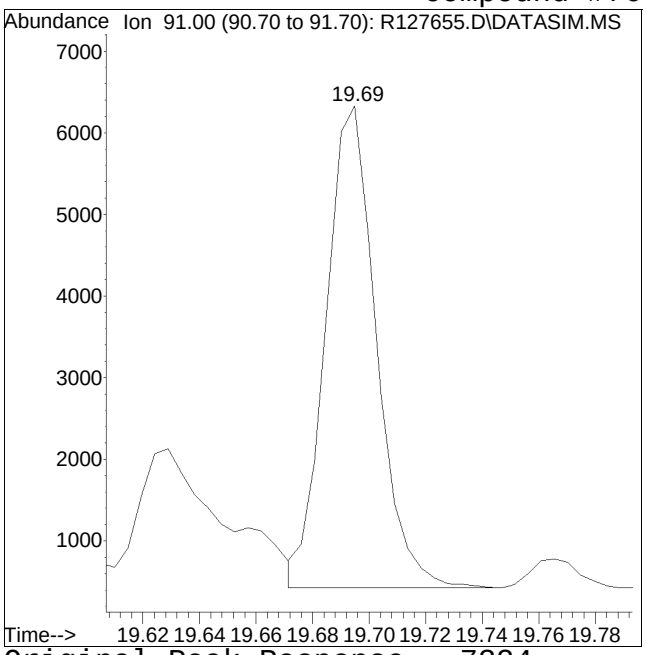
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

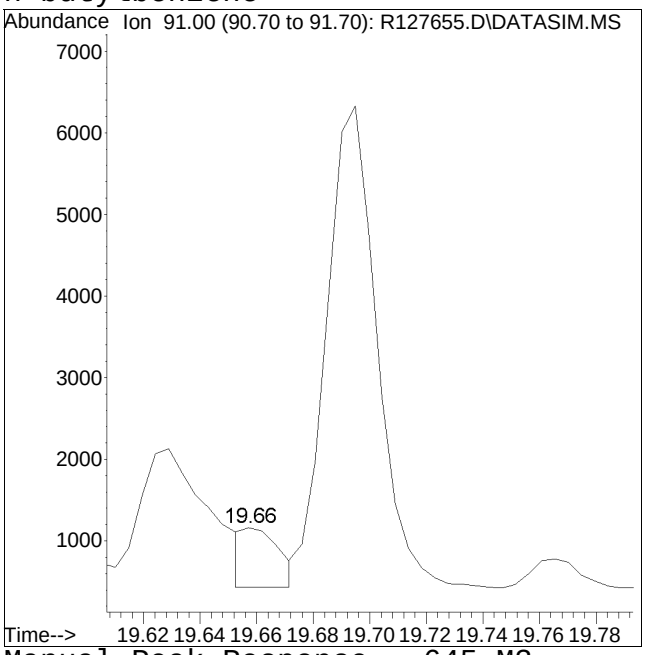
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127655.D
Date Inj'd : 4/13/2013 12:38 am
Sample : L1306330-25,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:03 am

Compound #76: n-butylbenzene



Original Peak Response = 7324



Manual Peak Response = 645 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127656.D
Acq On : 13 Apr 2013 1:10 am
Operator : AIRPIANO1:MB
Sample : L1306330-26,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 10:05:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	239987	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 89.27%			
32) 1,4-difluorobenzene	12.49	114	562922	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 102.89%			
49) chlorobenzene-D5	16.90	54	139806	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 105.34%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	14789	0.476	ppbV	99
4) chloromethane	4.40	50	13298	0.813	ppbV	100
5) Freon-114	4.55	85	511	0.015	ppbV #	93
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	1486	0.134	ppbV	89
8) bromomethane	5.30	94	146M3	0.012	ppbV	
9) chloroethane	5.55	64	114	0.018	ppbV #	1
12) acetone	6.39	43	4003288	154.172	ppbV	99
13) trichlorofluoromethane	6.62	101	10386	0.278	ppbV	100
15) acrylonitrile	7.04	53	496M3	0.039	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	11259	0.519	ppbV	98
20) Freon 113	7.99	101	1886	0.073	ppbV	95
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.08		0	N.D.		
24) MTBE	9.17		0	N.D.		
26) 2-butanone	9.57	43	61181	1.503	ppbV	97
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	3216	0.115	ppbV	98
31) 1,2-dichloroethane	11.28	62	451	0.021	ppbV #	73
35) 1,1,1-trichloroethane	11.56	97	398	0.013	ppbV #	71
36) benzene	12.08	78	12360	0.278	ppbV	98
37) carbon tetrachloride	12.25	117	3108	0.094	ppbV #	97
39) 1,2-dichloropropane	13.01	63	173	0.009	ppbV #	48
40) bromodichloromethane	13.24	83	441M6	0.013	ppbV	
42) trichloroethene	13.29	130	2450	0.113	ppbV	98
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	59523M4	1.178	ppbV	
47) trans-1,3-dichloropropene	14.86		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127656.D
Acq On : 13 Apr 2013 1:10 am
Operator : AIRPIANO1:MB
Sample : L1306330-26,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 10:05:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

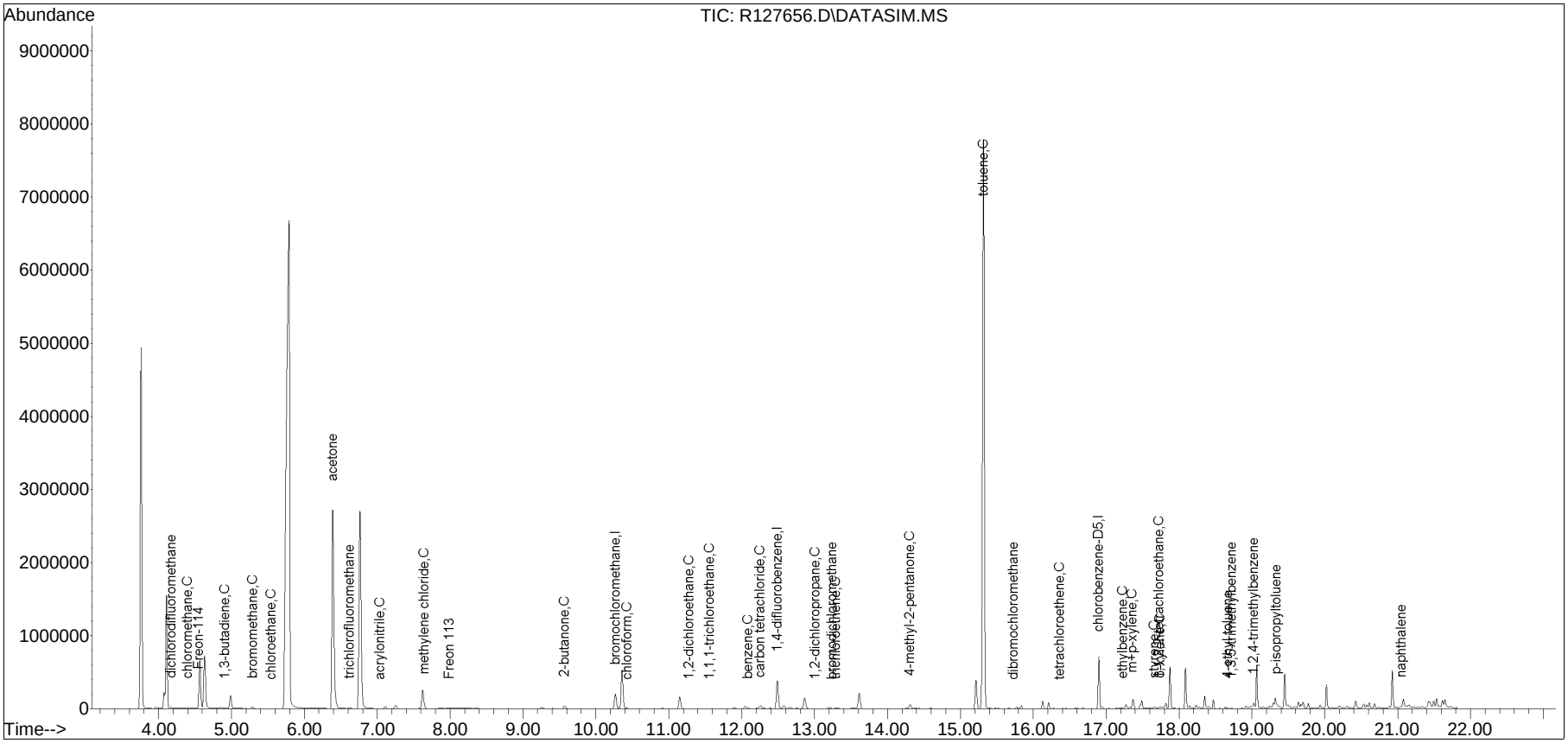
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.32	91	7131226	125.835	ppbV		96
53) dibromochloromethane	15.73	129	437	0.011	ppbV	#	94
54) 1,2-dibromoethane	0.00		0	N.D.	d		
55) tetrachloroethene	16.36	166	1162	0.040	ppbV	#	57
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	14063M4	0.194	ppbV		
59) m+p-xylene	17.36	91	36765	0.651	ppbV		98
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	8470	0.194	ppbV		100
62) 1,1,2,2-tetrachloroethane	17.73	83	801	0.017	ppbV		85
63) o-xylene	17.74	91	14159	0.241	ppbV		98
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.67	105	11073	0.130	ppbV	#	91
67) 1,3,5-trimethylbenzene	18.72	105	10071	0.144	ppbV	#	96
69) 1,2,4-trimethylbenzene	19.03	105	37006	0.527	ppbV	#	52
71) 1,3-dichlorobenzene	19.16		0	N.D.			
72) 1,4-dichlorobenzene	19.21		0	N.D.			
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34	119	26171	0.271	ppbV		100
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.92		0	N.D.			
78) naphthalene	21.05	128	6867	0.067	ppbV		97
79) 1,2,3-trichlorobenzene	21.29		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

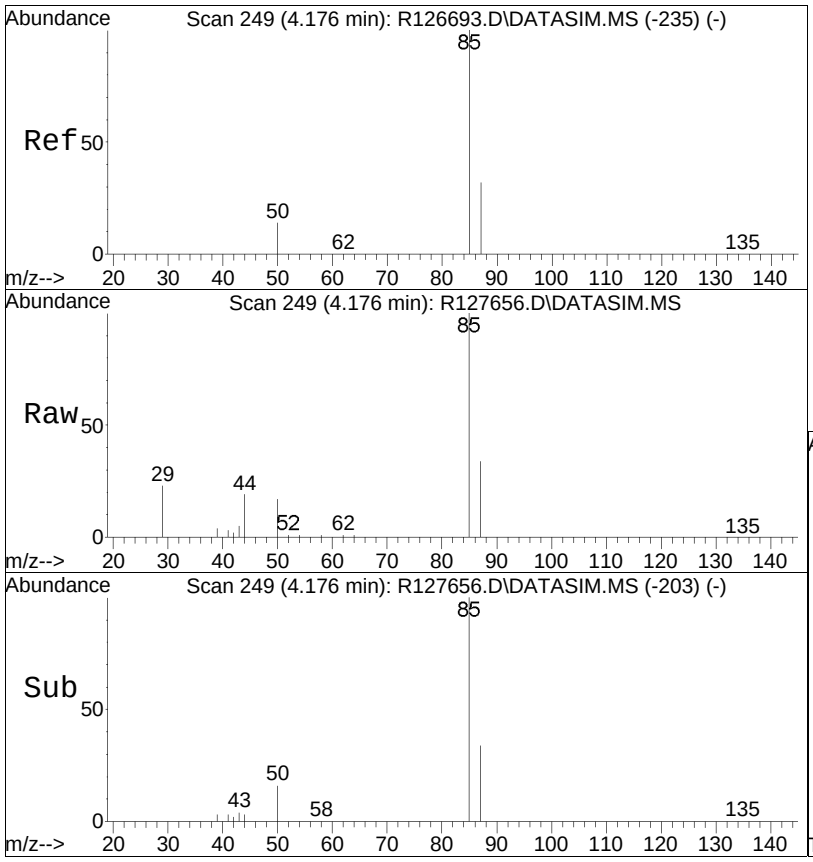
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127656.D
Acq On : 13 Apr 2013 1:10 am
Operator : AIRPIANO1:MB
Sample : L1306330-26,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 10:05:33 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

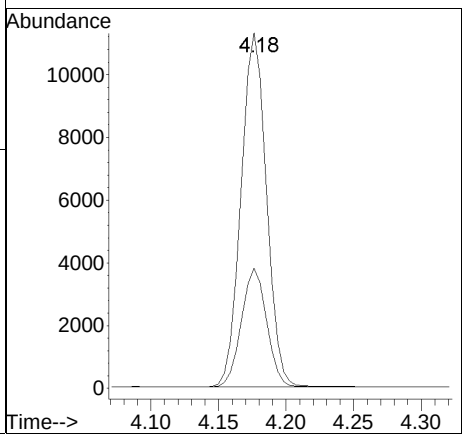


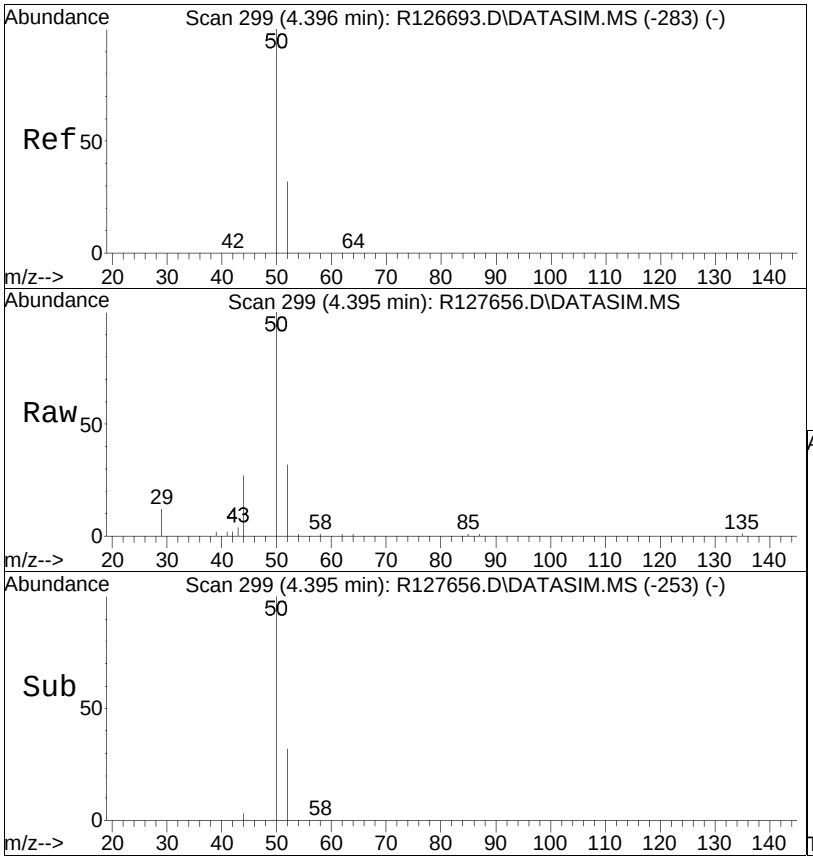


#3
dichlorodifluoromethane
Concen: 0.48 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 85 Resp: 14789

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.6	40.0

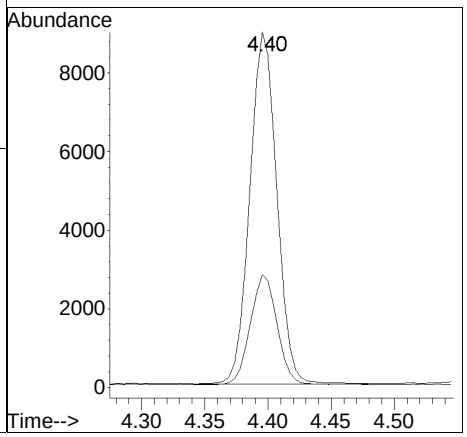


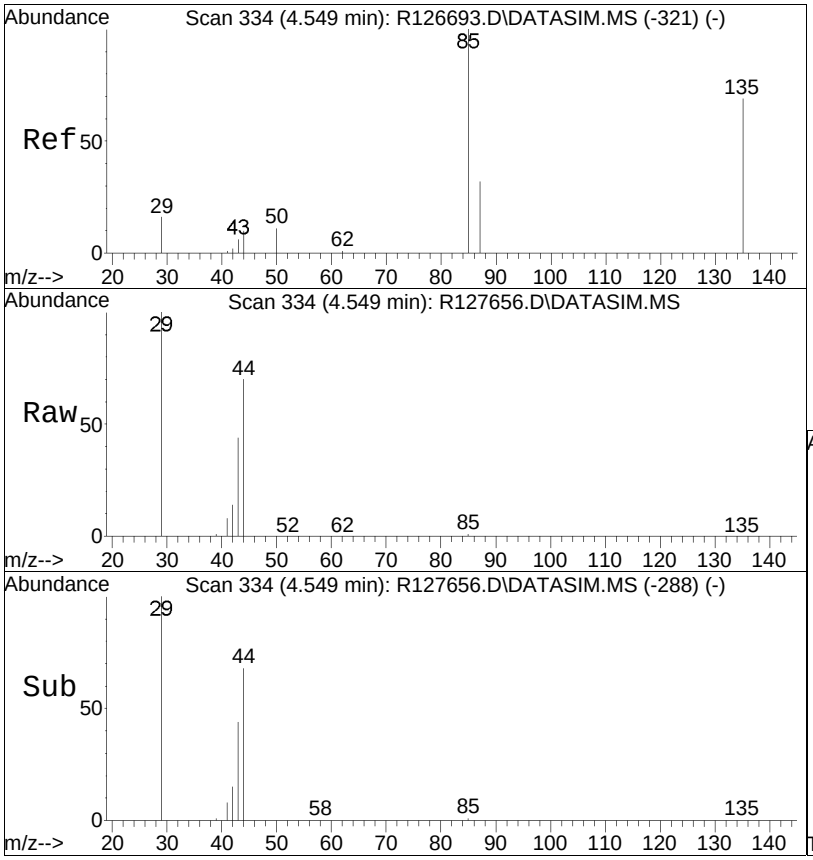


#4
chloromethane
Concen: 0.81 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 50 Resp: 13298

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.3	37.9

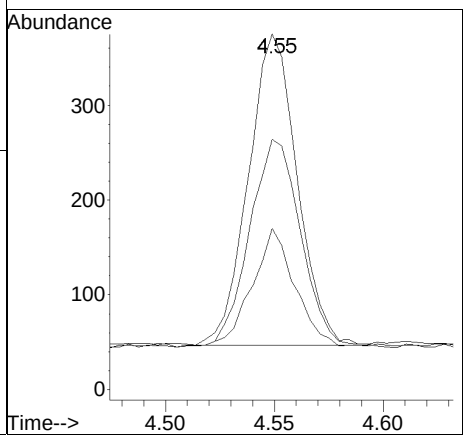


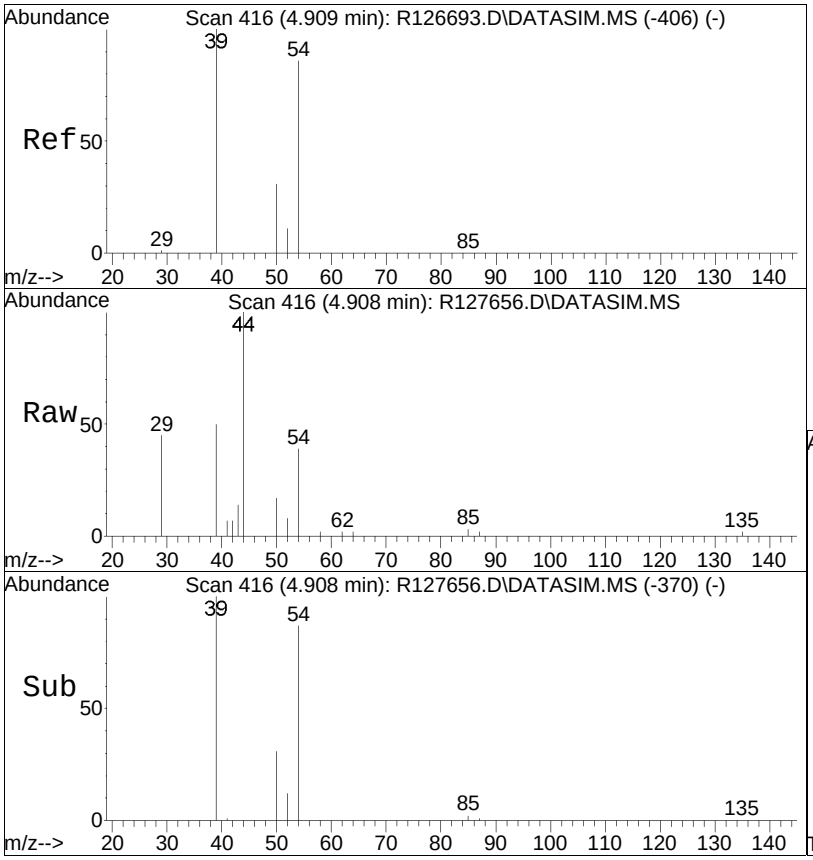


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.55 min Scan# 334
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 85 Resp: 511

Ion	Ratio	Lower	Upper
85	100		
87	45.3	26.5	39.7#
135	70.4	56.9	85.3

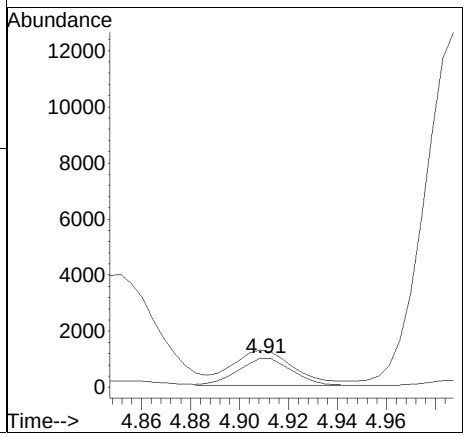


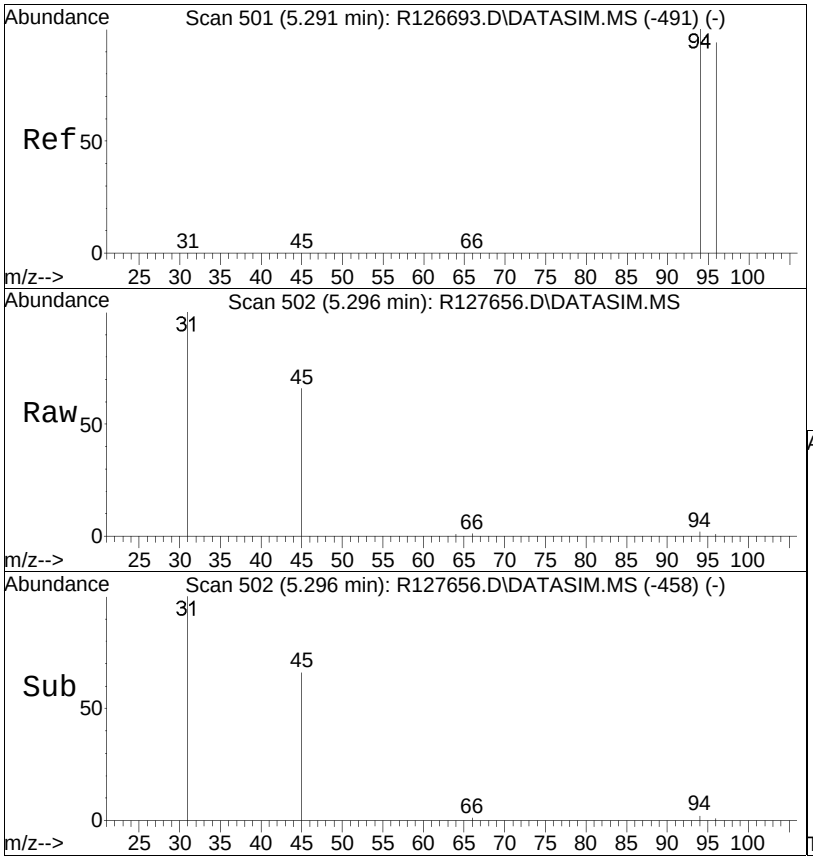


#7
1,3-butadiene
Concen: 0.13 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 54 Resp: 1486

Ion	Ratio	Lower	Upper
54	100		
39	127.3	92.4	138.6

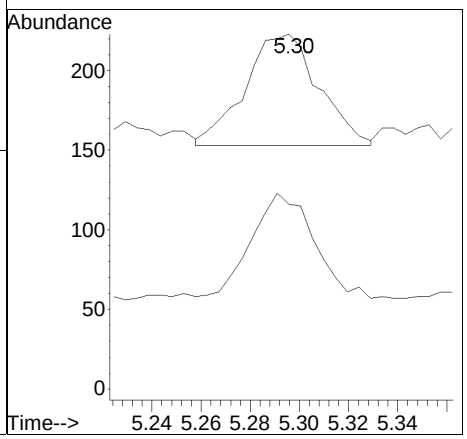


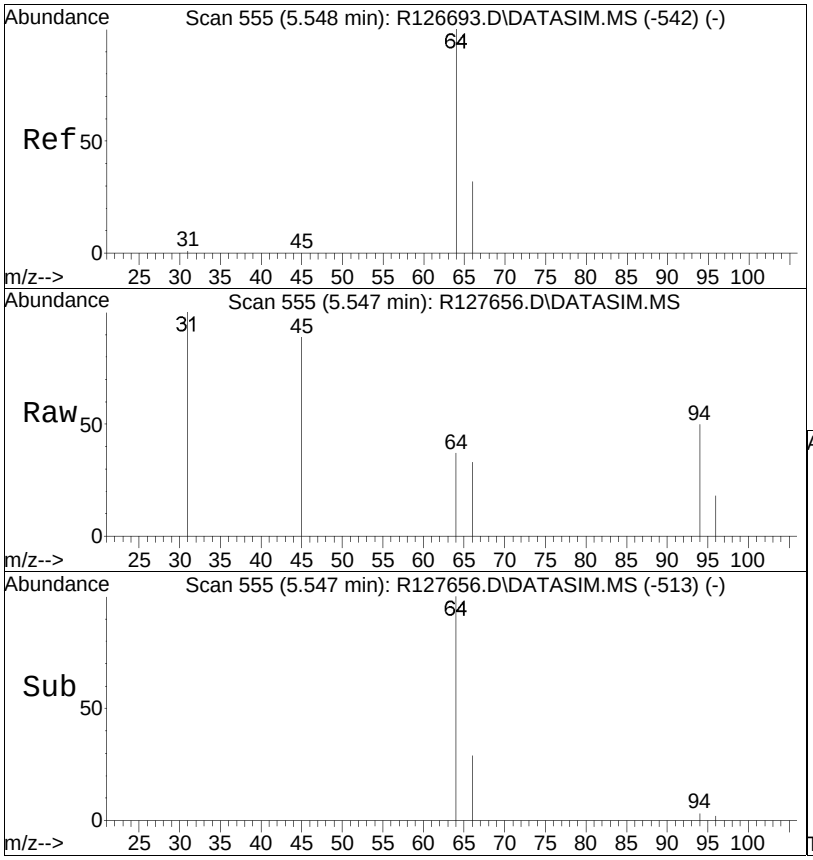


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 94 Resp: 146

Ion	Ratio	Lower	Upper
94	100		
96	52.0	76.9	115.3#

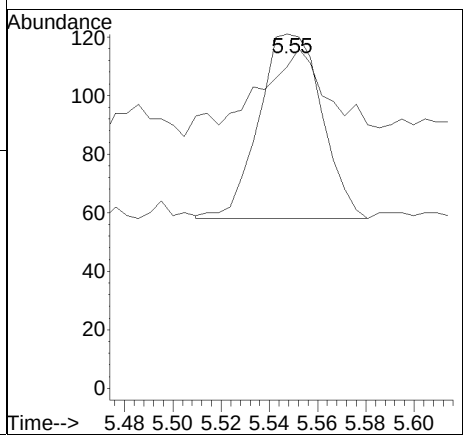


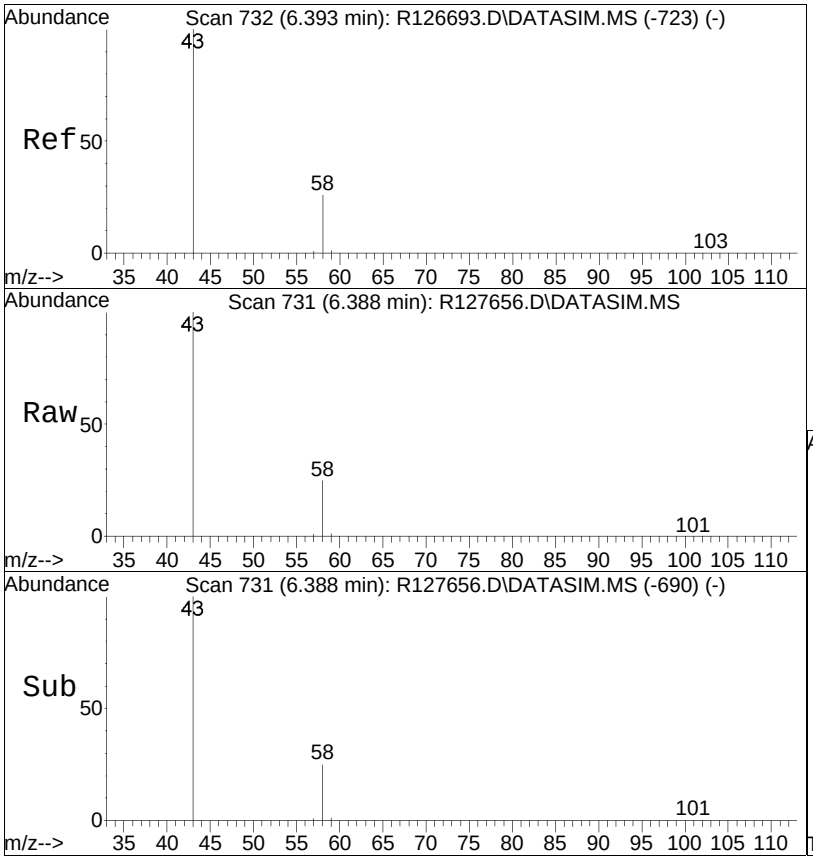


#9
chloroethane
Concen: 0.02 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 64 Resp: 114

Ion	Ratio	Lower	Upper
64	100		
66	90.9	25.5	38.3#

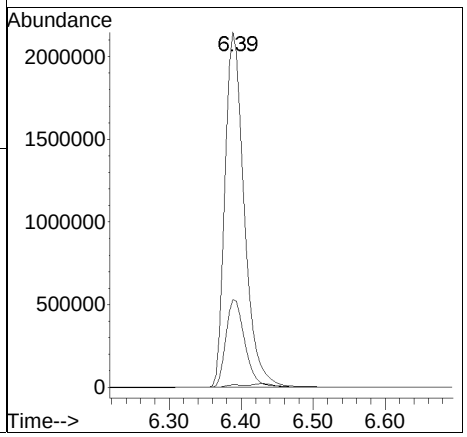


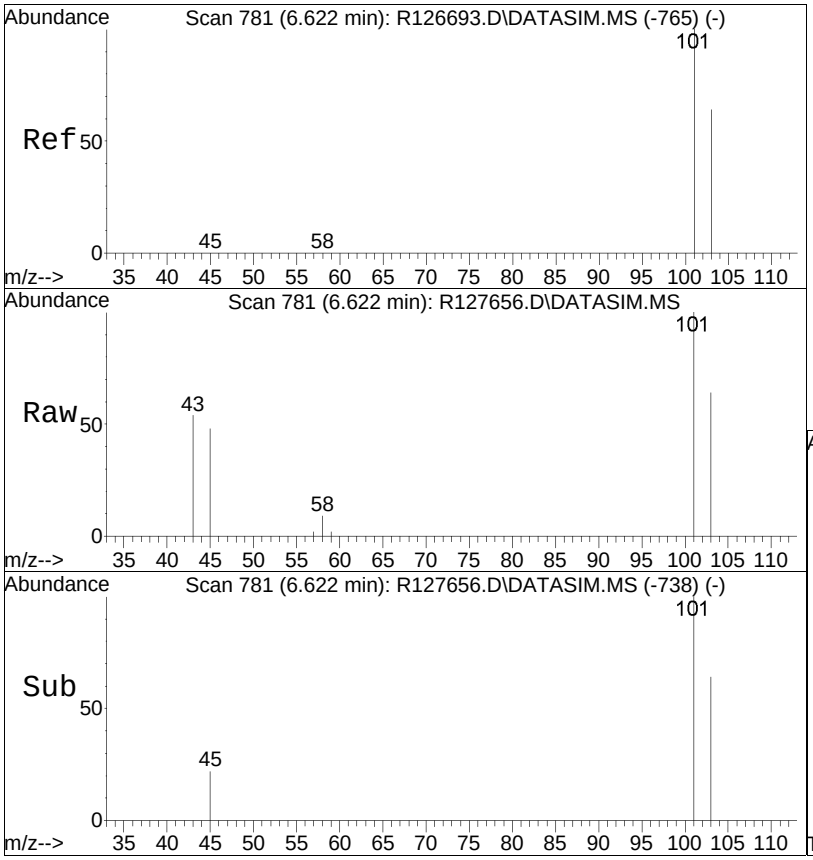


#12
acetone
Concen: 154.17 ppbV
RT: 6.39 min Scan# 731
Delta R.T. -0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 43 Resp: 4003288

Ion	Ratio	Lower	Upper
43	100		
58	24.7	20.0	30.0
57	0.7	0.6	1.0

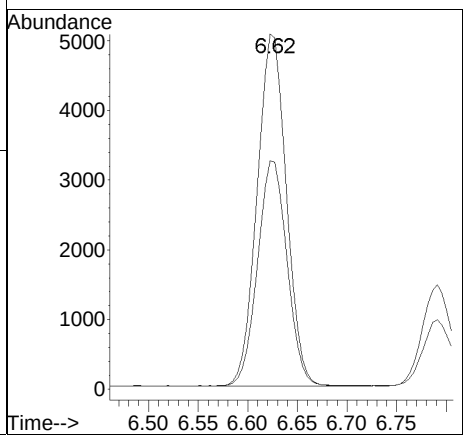


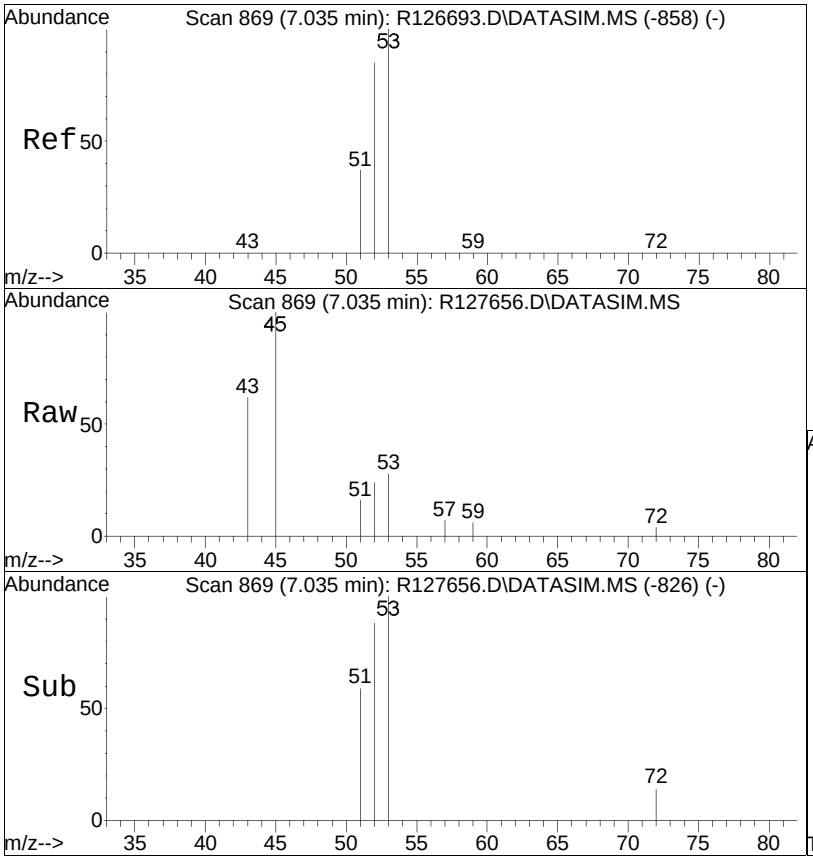


#13
trichlorofluoromethane
Concen: 0.28 ppbV
RT: 6.62 min Scan# 781
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:101 Resp: 10386

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

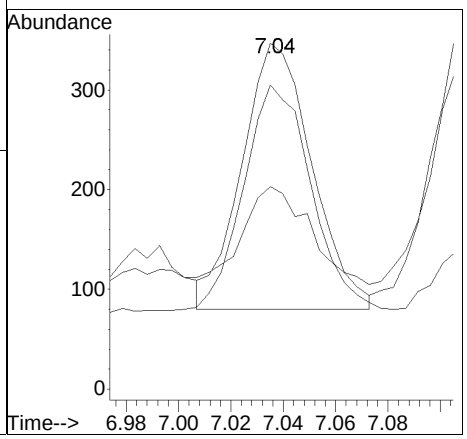


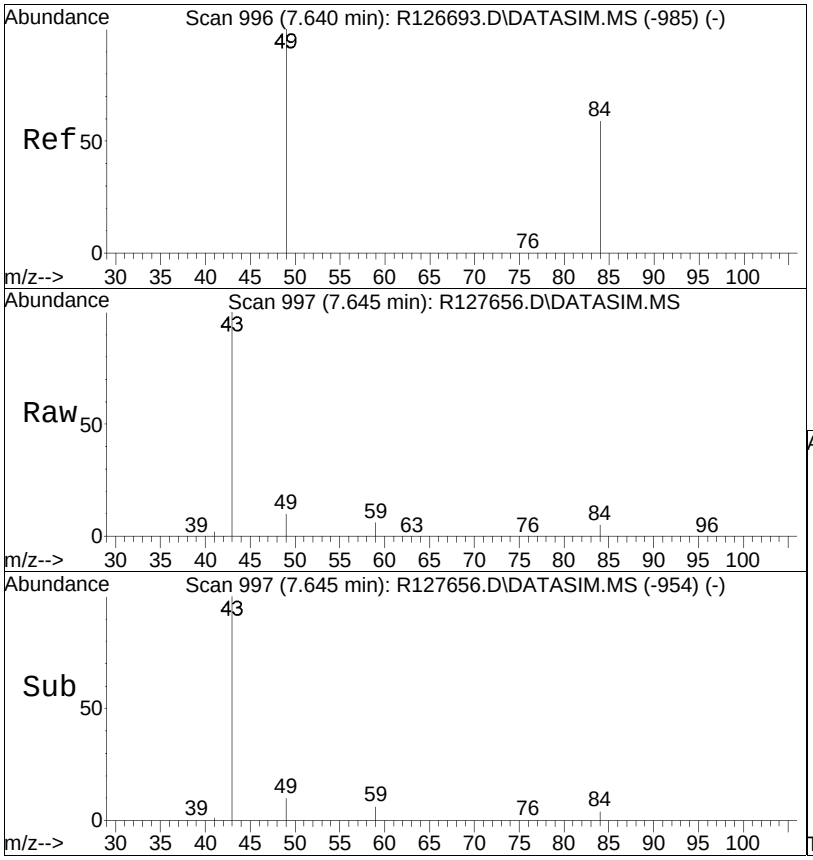


#15
acrylonitrile
Concen: 0.04 ppbV m
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 53 Resp: 496

Ion	Ratio	Lower	Upper
53	100		
52	87.9	68.5	102.7
51	58.5	30.1	45.1#

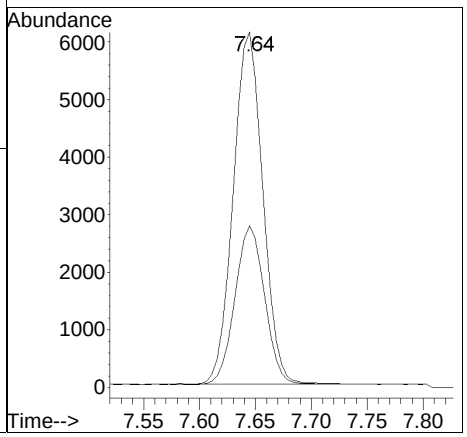


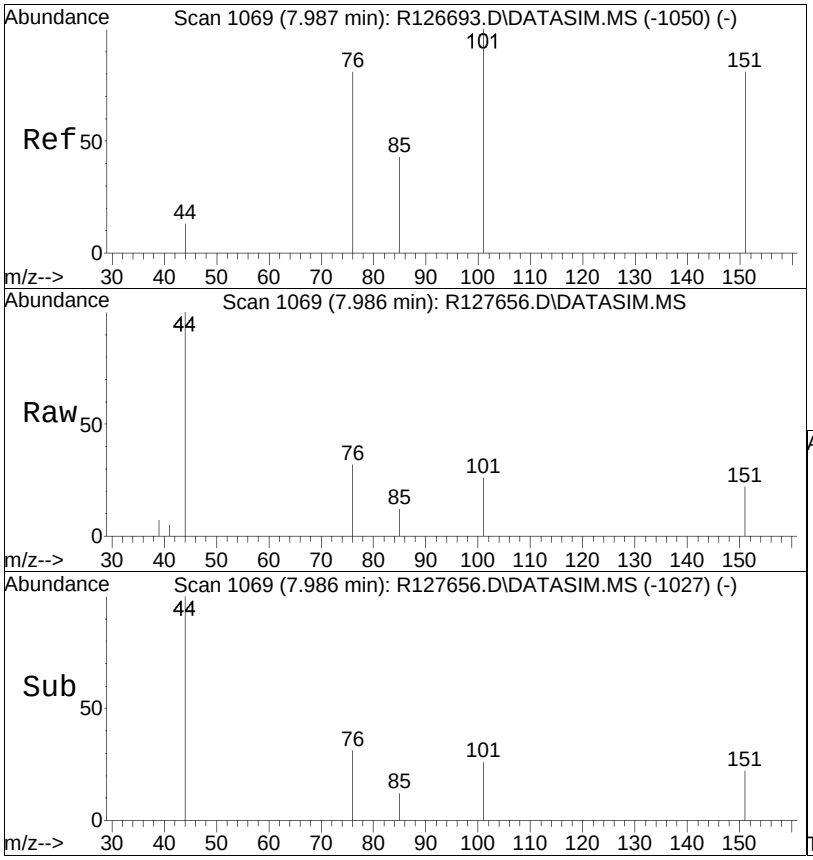


#17
methylene chloride
Concen: 0.52 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 49 Resp: 11259

Ion	Ratio	Lower	Upper
49	100		
84	45.5	37.2	55.8

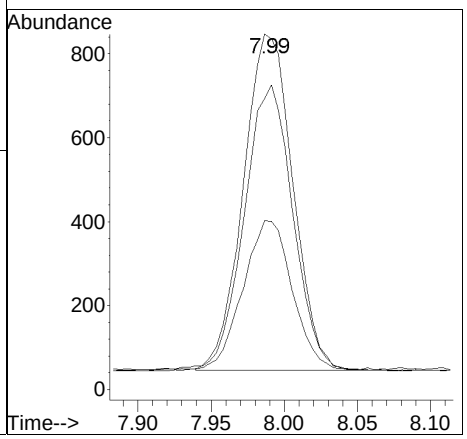


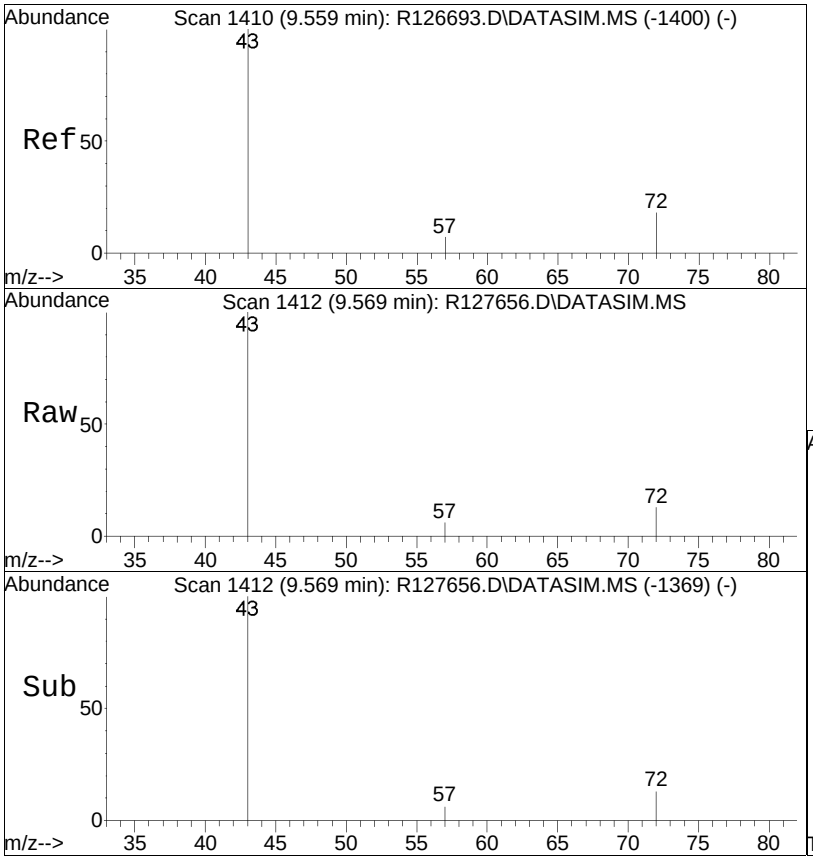


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:101 Resp: 1886

Ion	Ratio	Lower	Upper
101	100		
85	47.5	34.2	51.2
151	81.8	67.8	101.8

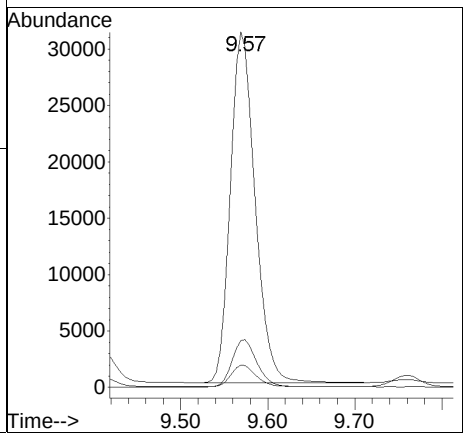


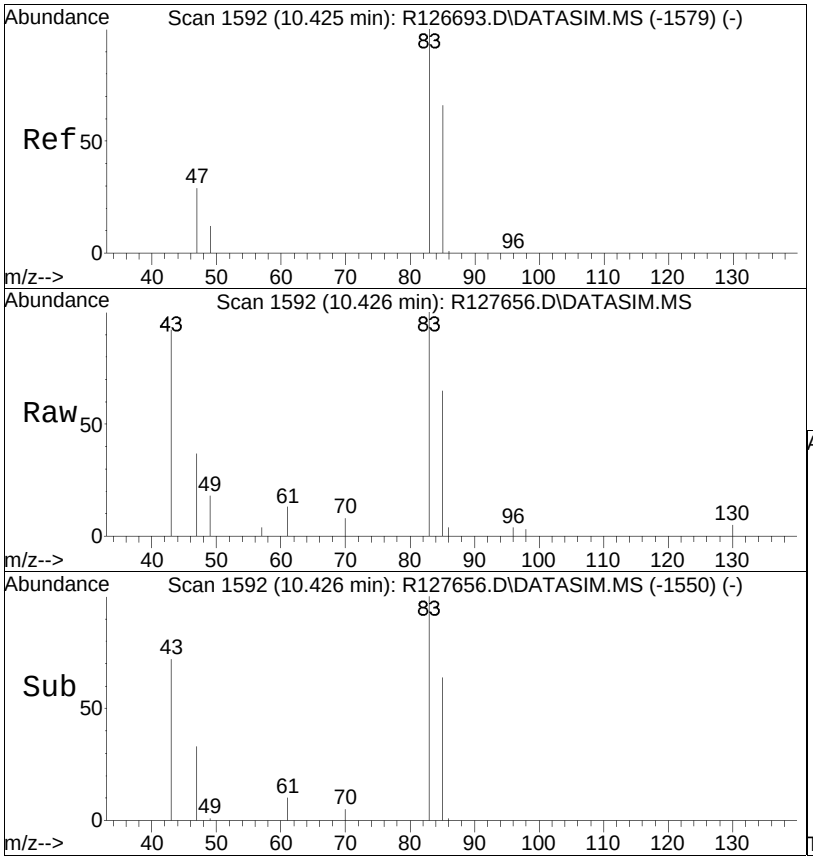


#26
2-butanone
Concen: 1.50 ppbV
RT: 9.57 min Scan# 1412
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 43 Resp: 61181

Ion	Ratio	Lower	Upper
43	100		
72	13.1	12.0	18.0
57	6.3	5.2	7.8

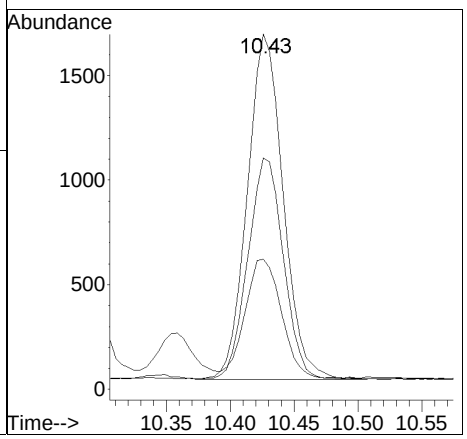


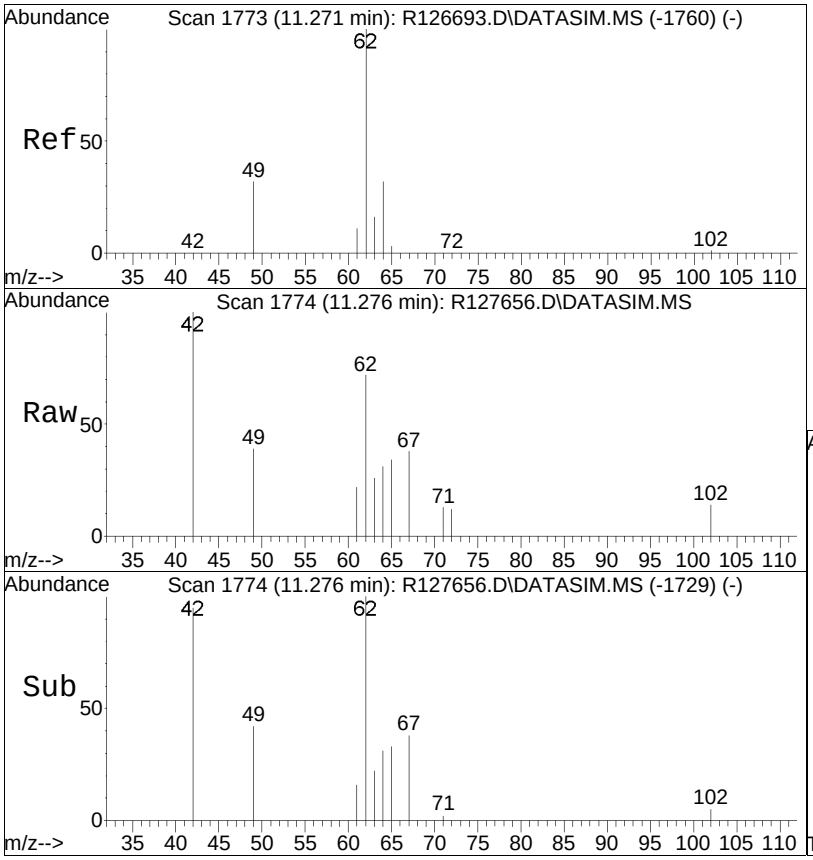


#29
chloroform
Concen: 0.11 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 83 Resp: 3216

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2
47	36.6	26.4	39.6

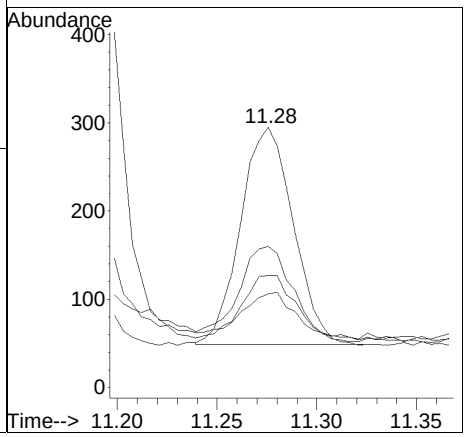


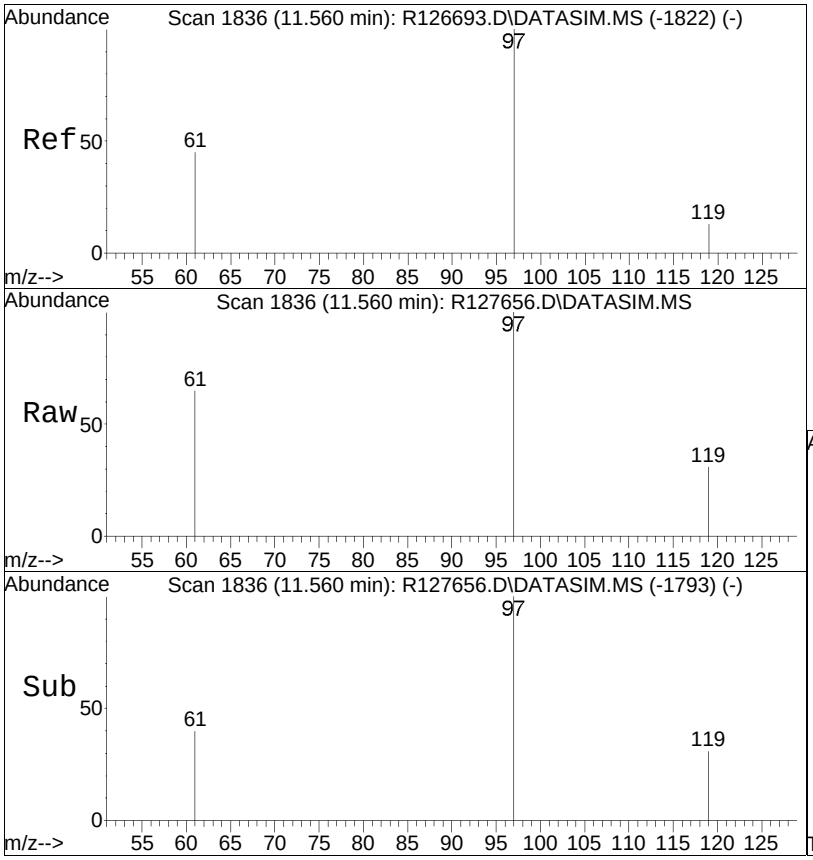


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 62 Resp: 451

Ion	Ratio	Lower	Upper
62	100		
64	43.1	25.0	37.6#
49	54.2	31.2	46.8#
63	35.9	13.3	19.9#

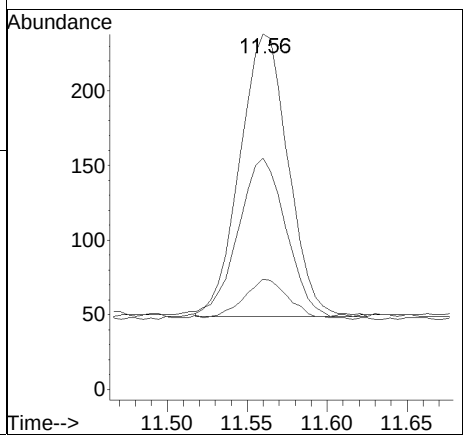


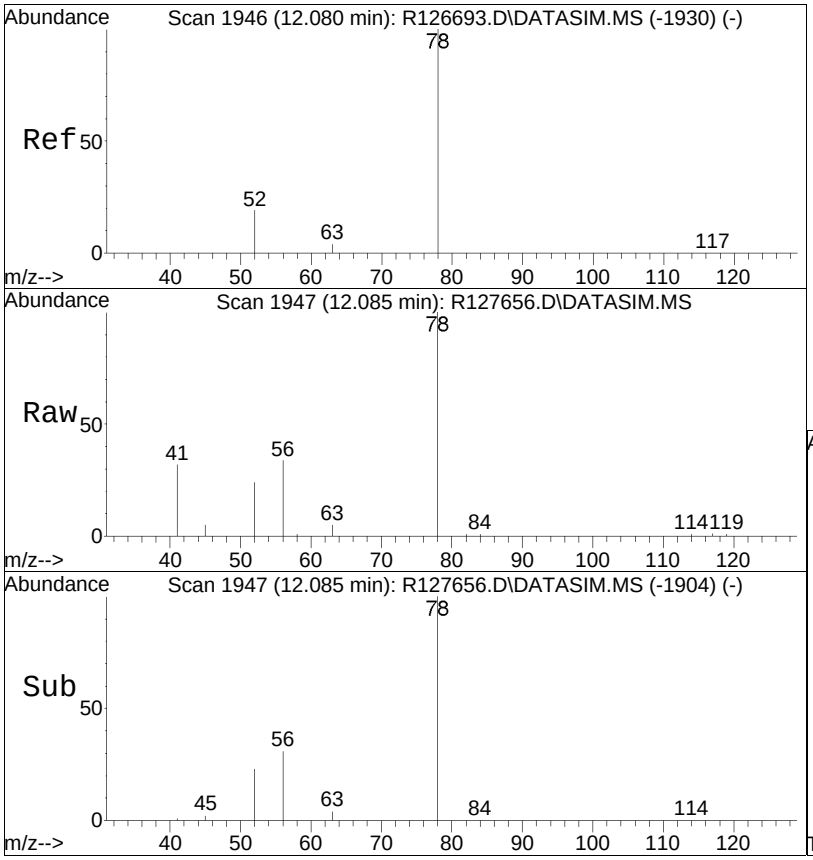


#35
1,1,1-trichloroethane
Concen: 0.01 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 97 Resp: 398

Ion	Ratio	Lower	Upper
97	100		
61	65.1	38.6	58.0#
119	31.1	11.0	16.6#

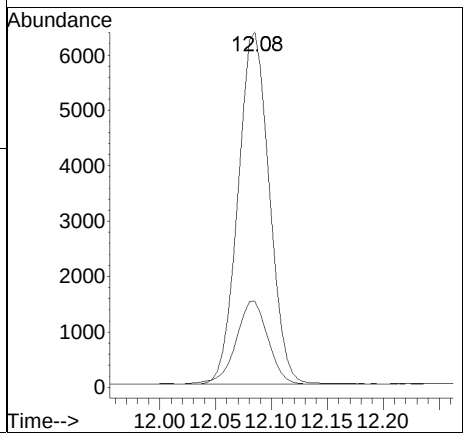


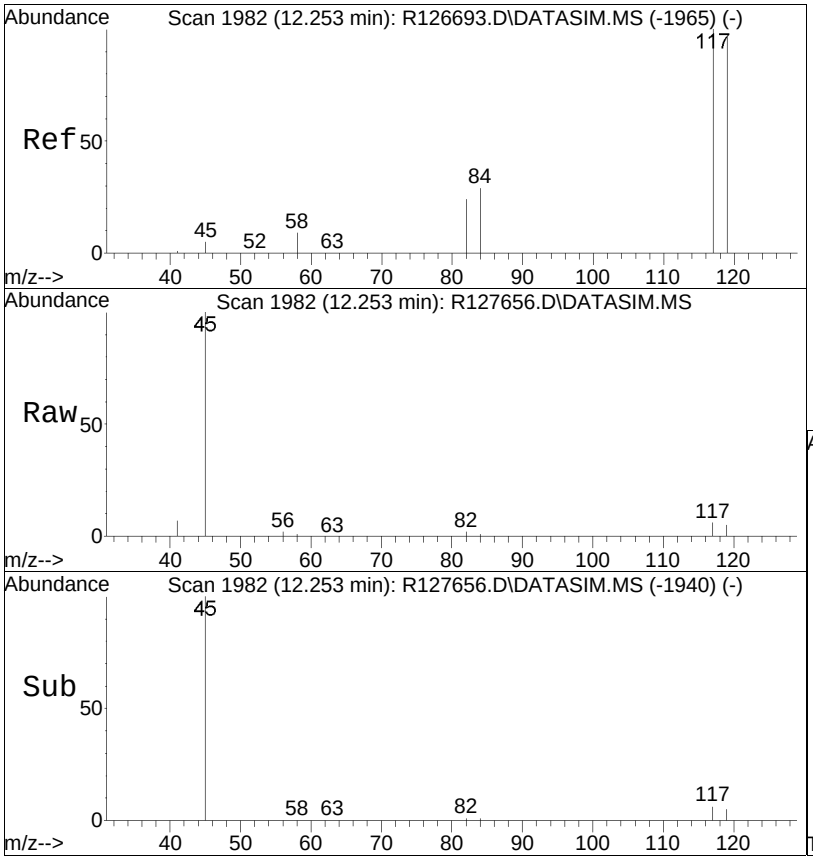


#36
benzene
Concen: 0.28 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 78 Resp: 12360

Ion	Ratio	Lower	Upper
78	100		
52	24.3	18.5	27.7

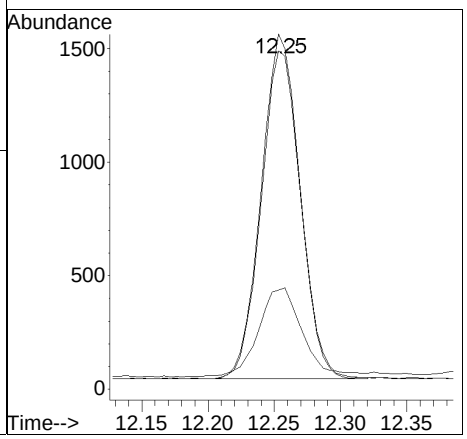


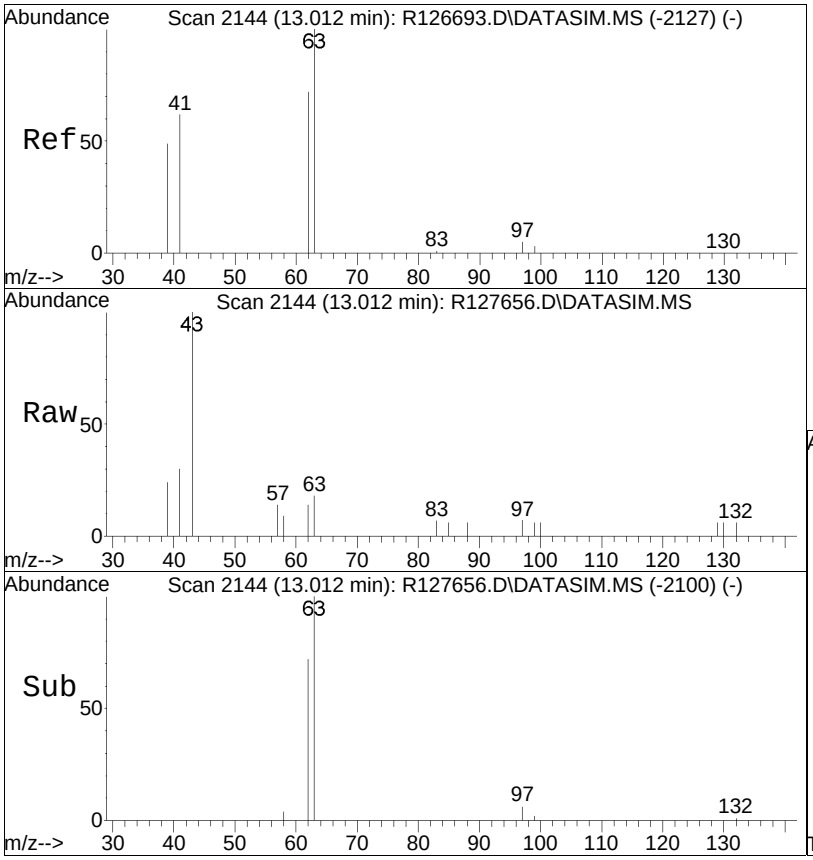


#37
carbon tetrachloride
Concen: 0.09 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:117 Resp: 3108

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
82	27.9	18.2	27.2#

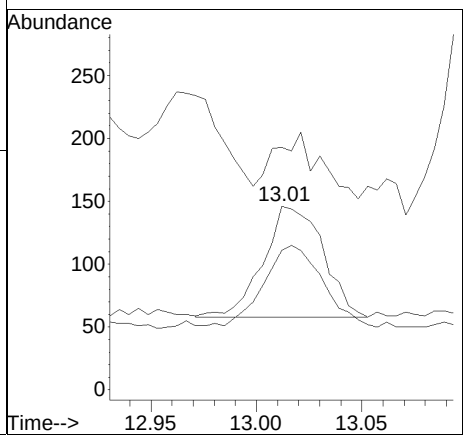


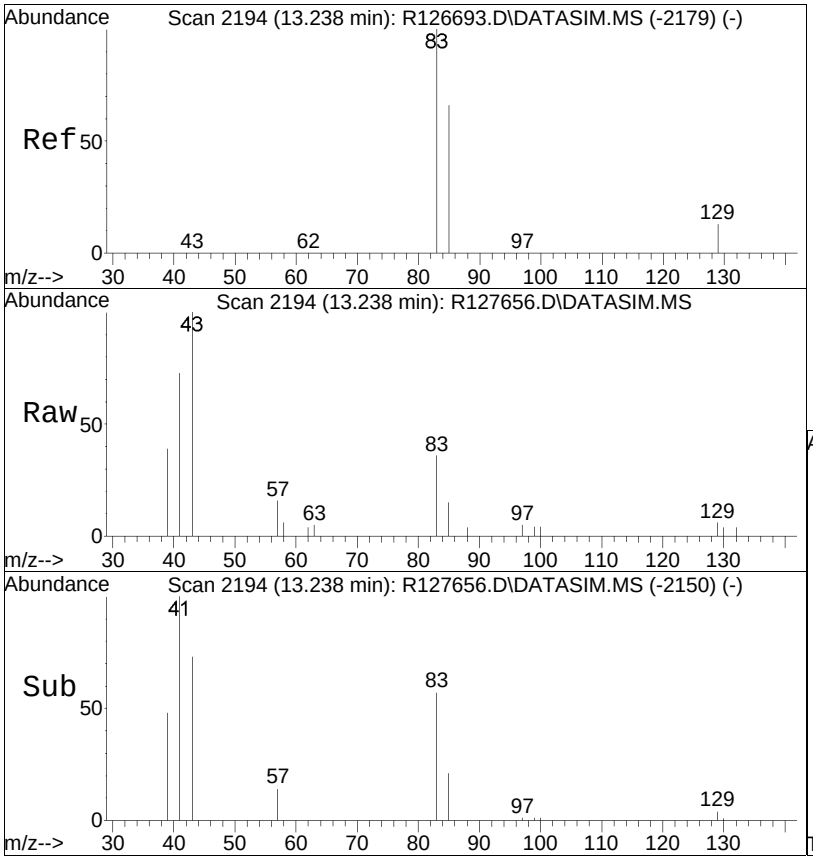


#39
1,2-dichloropropane
Concen: 0.01 ppbV
RT: 13.01 min Scan# 2144
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 63 Resp: 173

Ion	Ratio	Lower	Upper
63	100		
62	76.0	59.4	89.2
39	132.2	35.9	53.9#

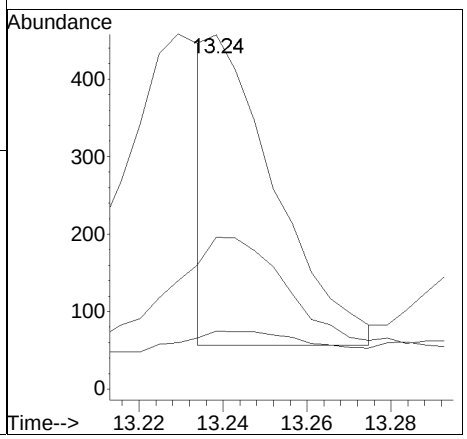


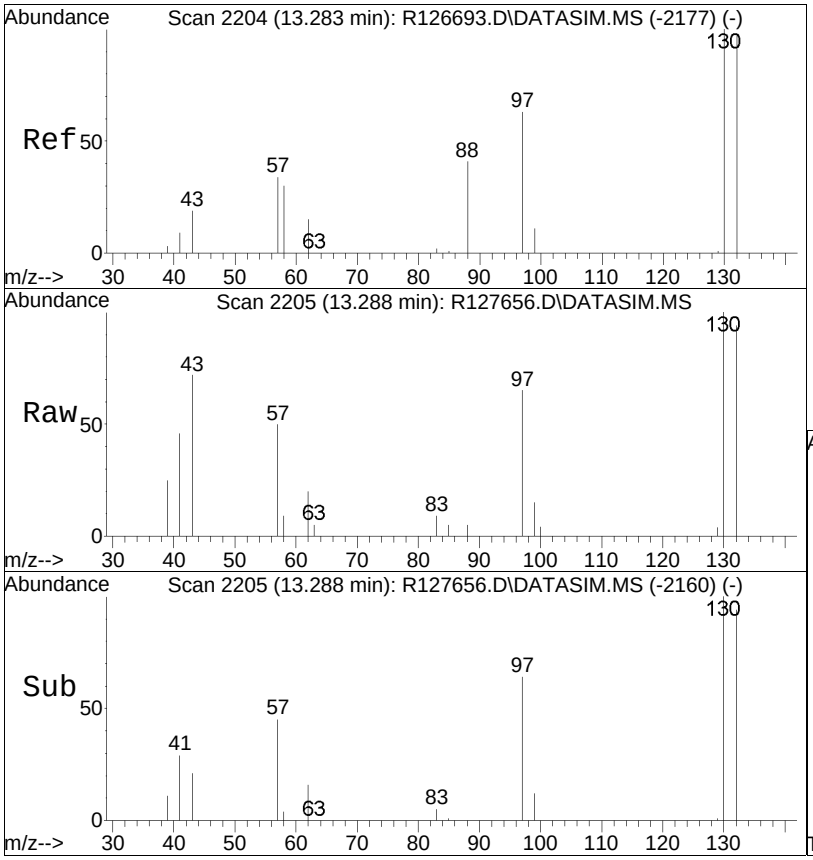


#40
bromodichloromethane
Concen: 0.01 ppbV m
RT: 13.24 min Scan# 2194
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 83 Resp: 441

Ion	Ratio	Lower	Upper
83	100		
85	42.9	51.0	76.6#
129	16.4	10.2	15.2#

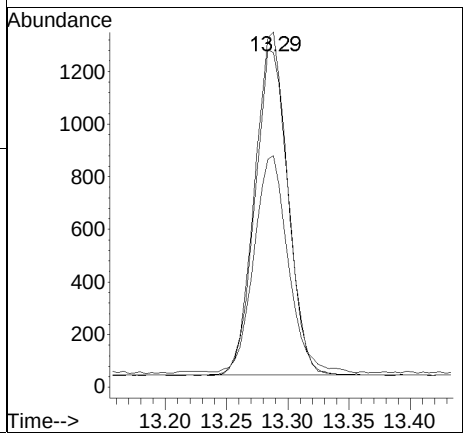


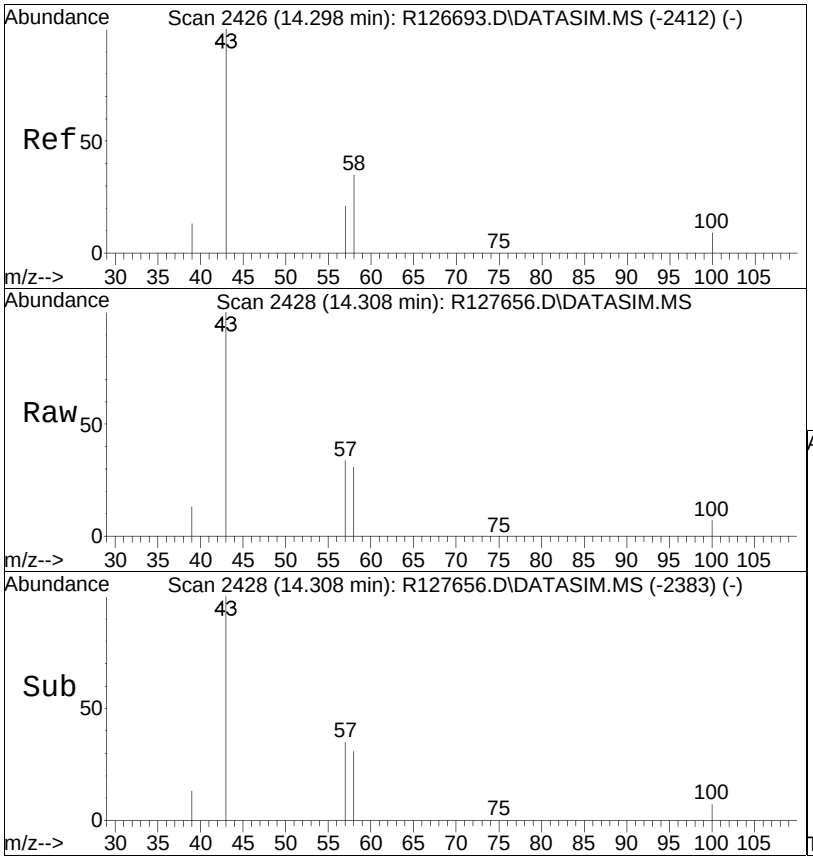


#42
trichloroethene
Concen: 0.11 ppbV
RT: 13.29 min Scan# 2205
Delta R.T. 0.004 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:130 Resp: 2450

Ion	Ratio	Lower	Upper
130	100		
132	94.2	77.3	115.9
97	65.2	50.6	75.8

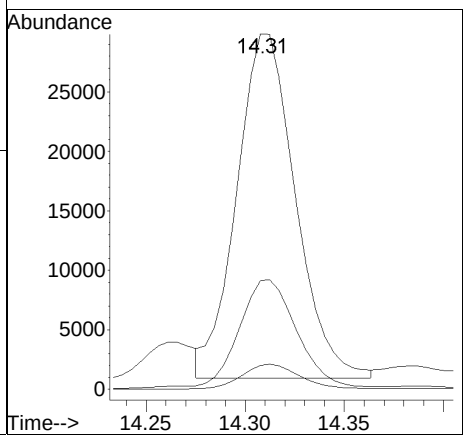


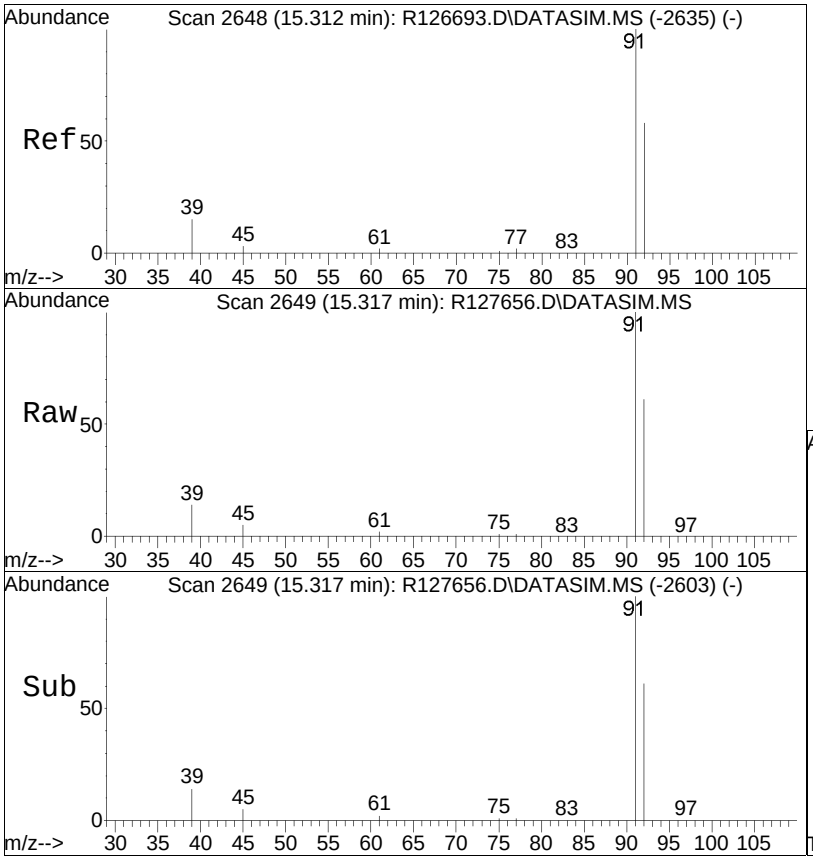


#46
4-methyl-2-pentanone
Concen: 1.18 ppbV m
RT: 14.31 min Scan# 2428
Delta R.T. 0.009 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 43 Resp: 59523

Ion	Ratio	Lower	Upper
43	100		
58	30.6	26.0	39.0
100	6.8	5.8	8.6

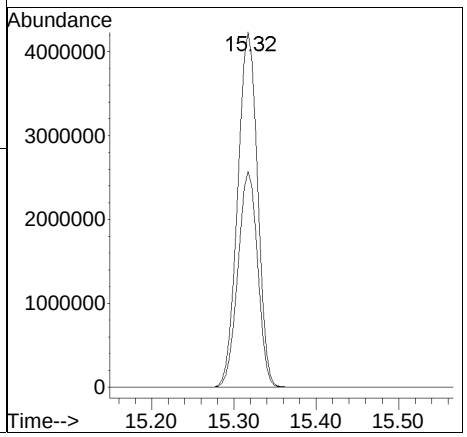


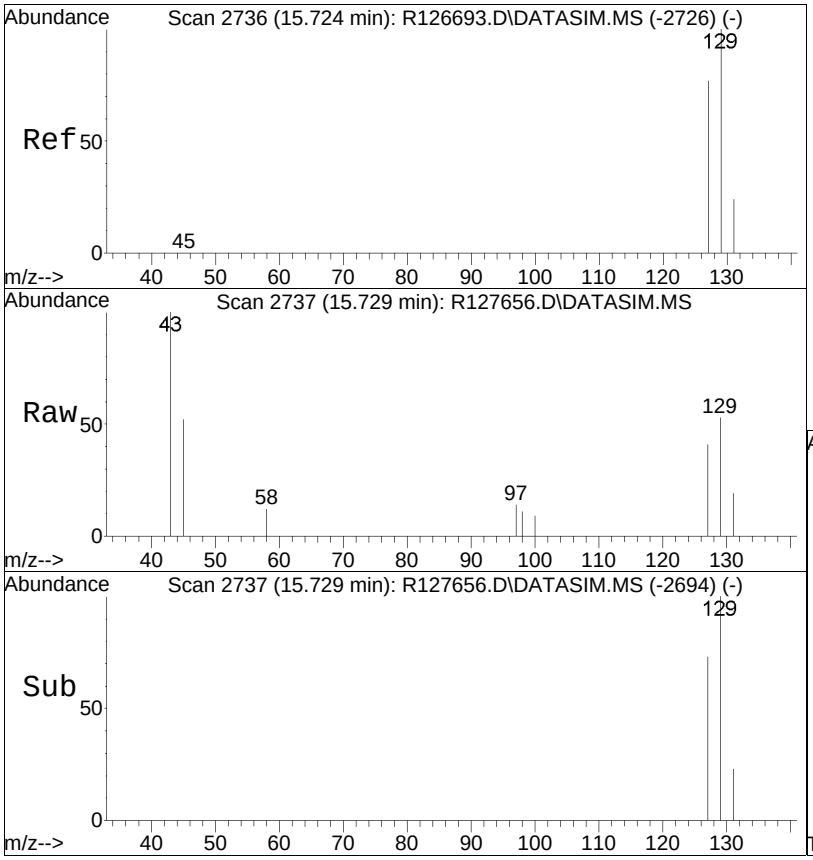


#50
toluene
Concen: 125.83 ppbV
RT: 15.32 min Scan# 2649
Delta R.T. 0.009 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 91 Resp: 7131226

Ion	Ratio	Lower	Upper
91	100		
92	60.8	46.4	69.6

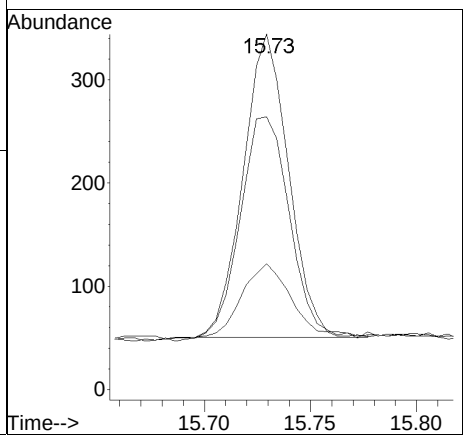


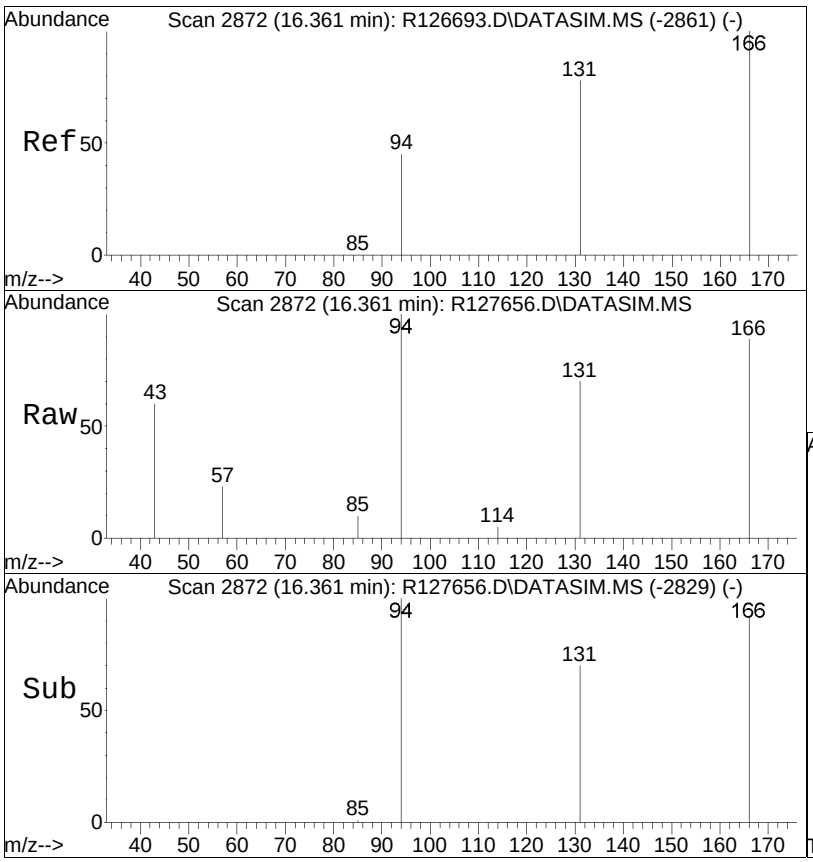


#53
dibromochloromethane
Concen: 0.01 ppbV
RT: 15.73 min Scan# 2737
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:129 Resp: 437

Ion	Ratio	Lower	Upper
129	100		
127	76.7	62.4	93.6
131	35.5	19.8	29.8#

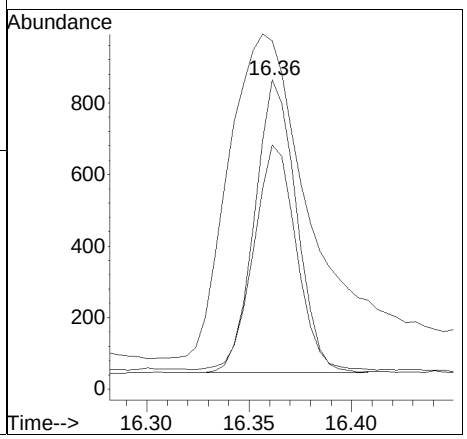


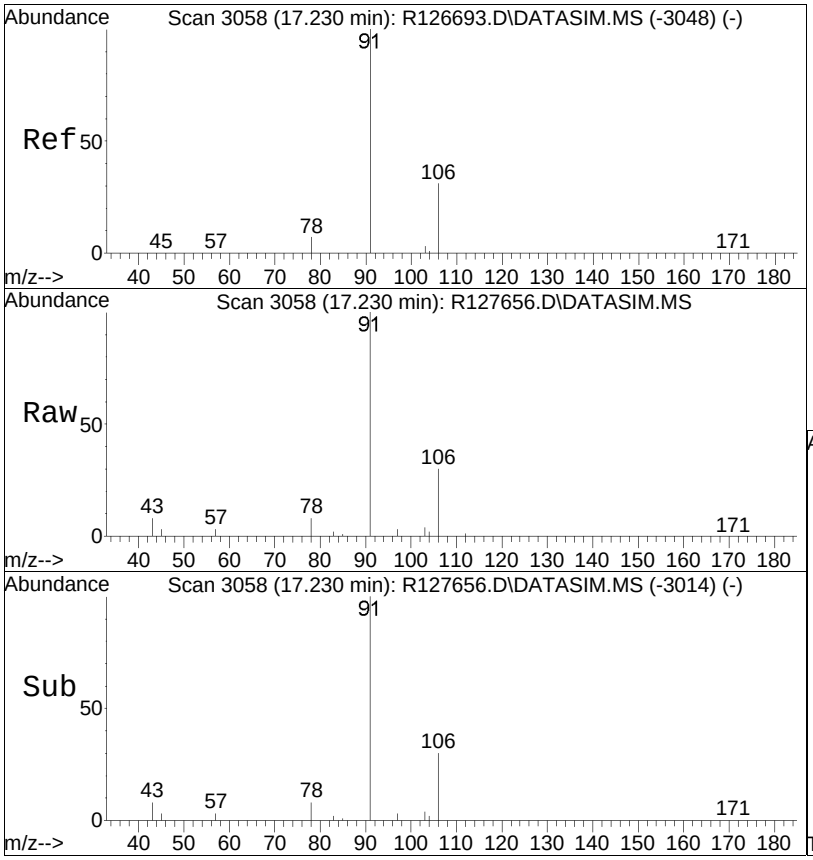


#55
tetrachloroethene
Concen: 0.04 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:166 Resp: 1162

Ion	Ratio	Lower	Upper
166	100		
131	78.9	60.6	90.8
94	112.6	32.2	48.2#

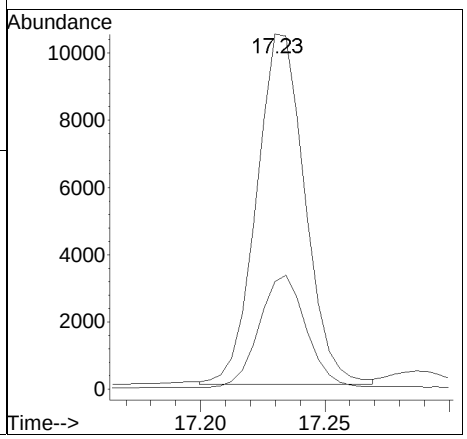


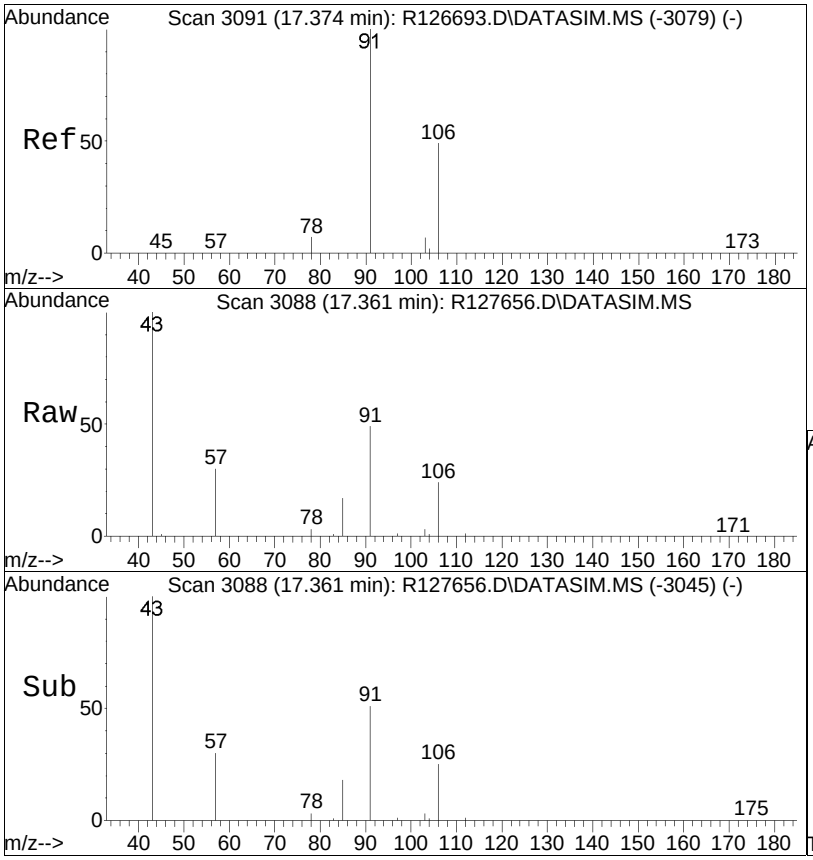


#58
ethylbenzene
Concen: 0.19 ppbV m
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 91 Resp: 14063

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.3	37.9

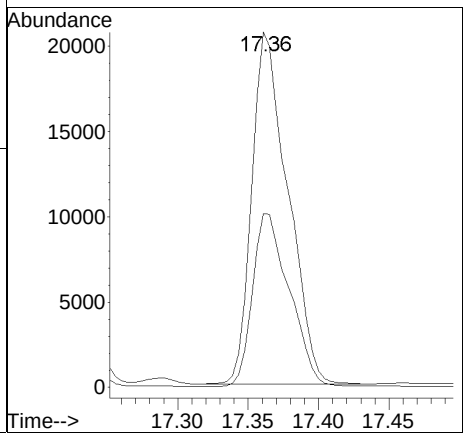


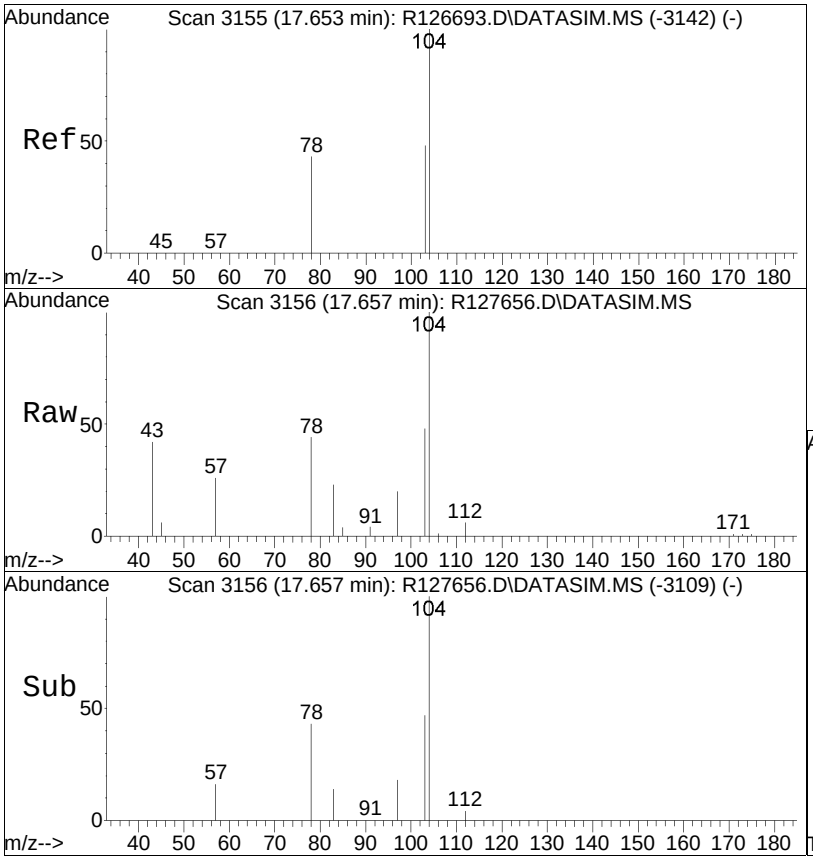


#59
m+p-xylene
Concen: 0.65 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 91 Resp: 36765

Ion	Ratio	Lower	Upper
91	100		
106	48.9	40.0	60.0

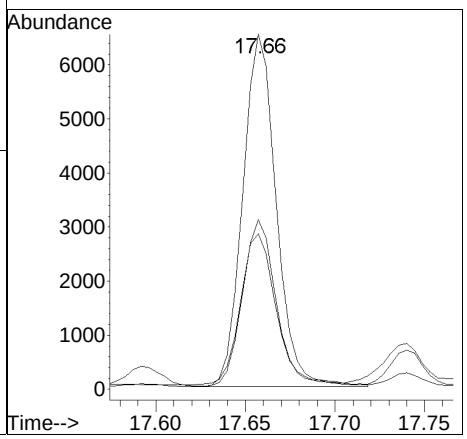


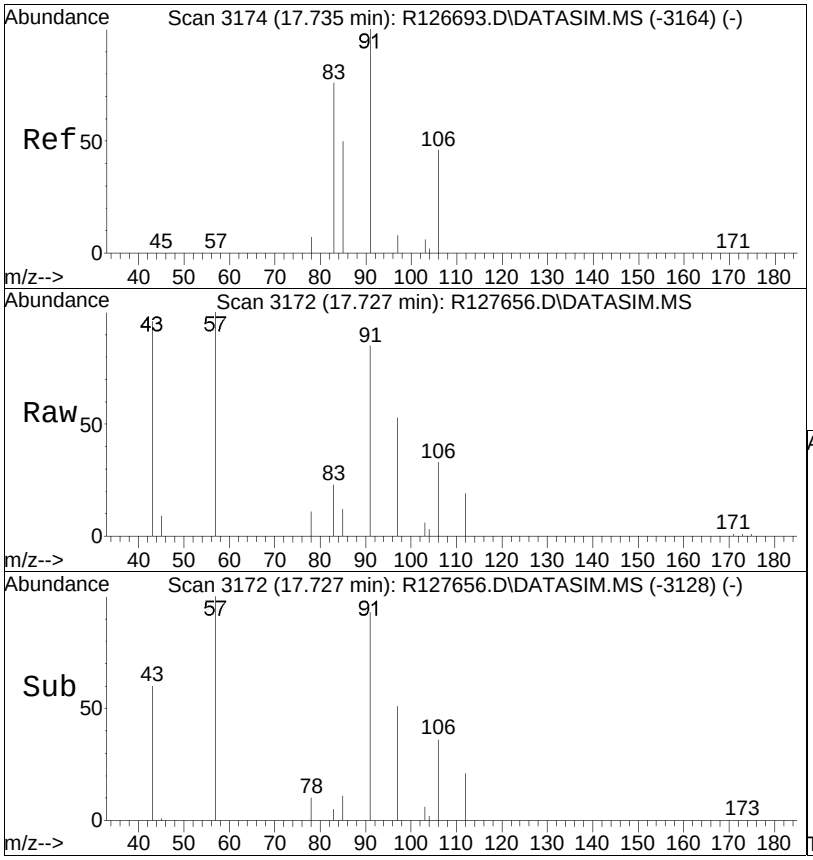


#61
styrene
Concen: 0.19 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:104 Resp: 8470

Ion	Ratio	Lower	Upper
104	100		
103	47.8	38.3	57.5
78	43.8	35.0	52.6

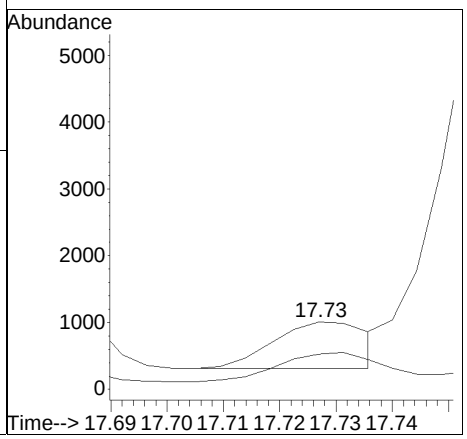


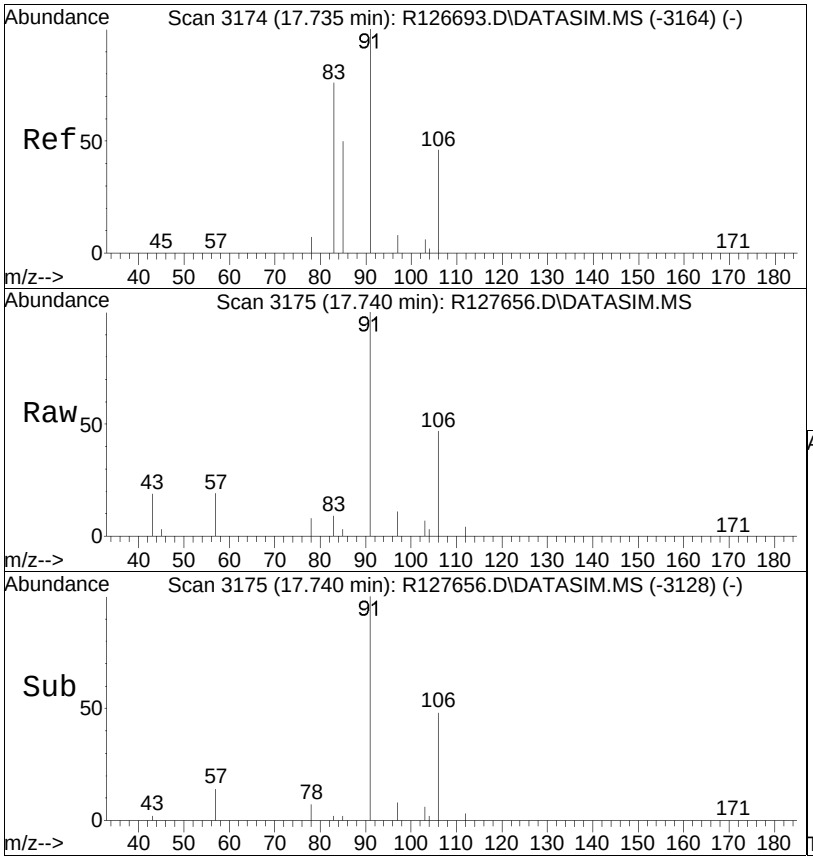


#62
1,1,2,2-tetrachloroethane
Concen: 0.02 ppbV
RT: 17.73 min Scan# 3172
Delta R.T. -0.009 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 83 Resp: 801

Ion	Ratio	Lower	Upper
83	100		
85	52.3	51.4	77.0

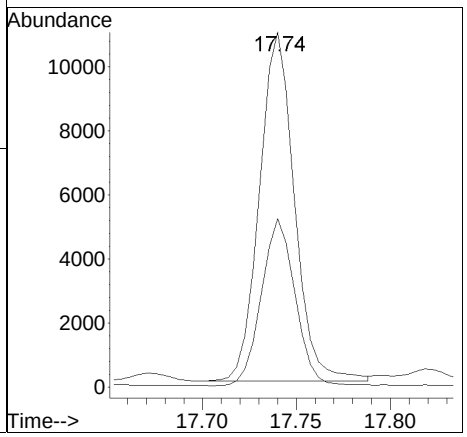


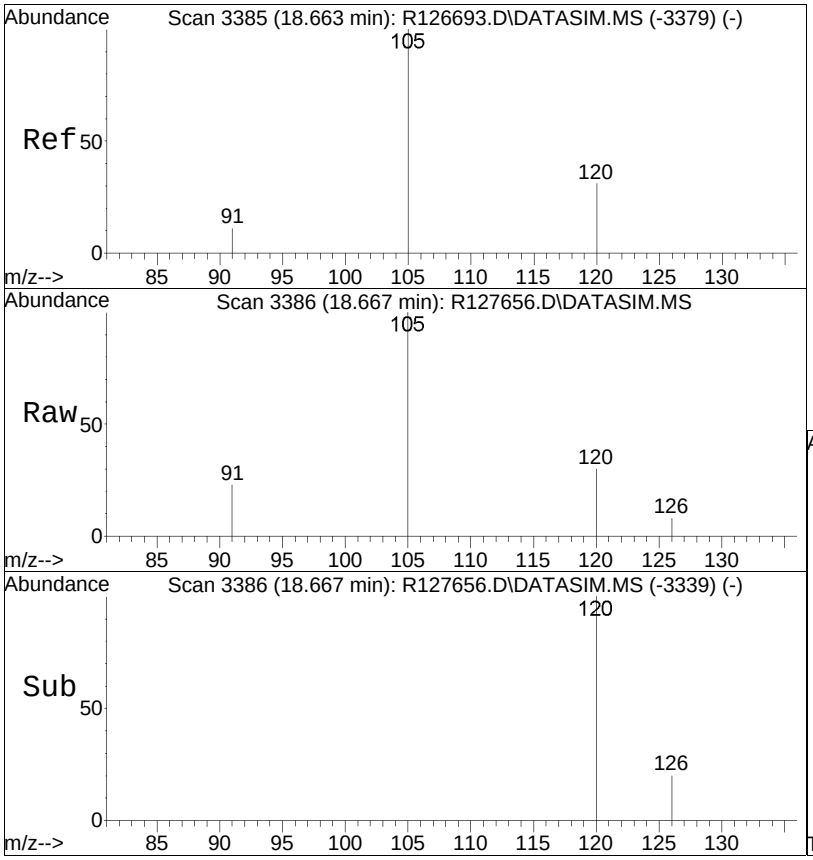


#63
o-xylene
Concen: 0.24 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion: 91 Resp: 14159

Ion	Ratio	Lower	Upper
91	100		
106	47.5	37.1	55.7

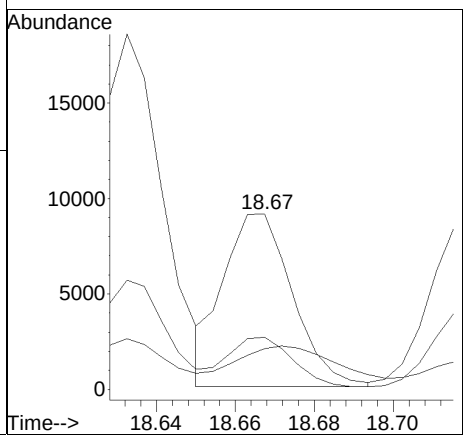


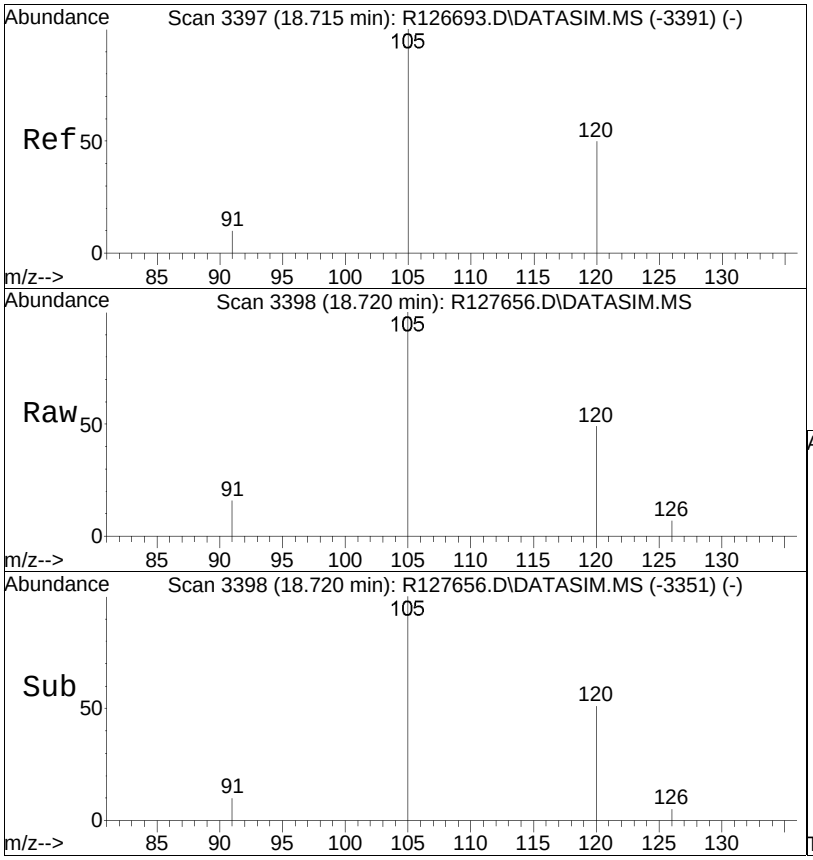


#66
4-ethyl toluene
Concen: 0.13 ppbV
RT: 18.67 min Scan# 3386
Delta R.T. 0.004 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:105 Resp: 11073

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	23.2	8.5	12.7#

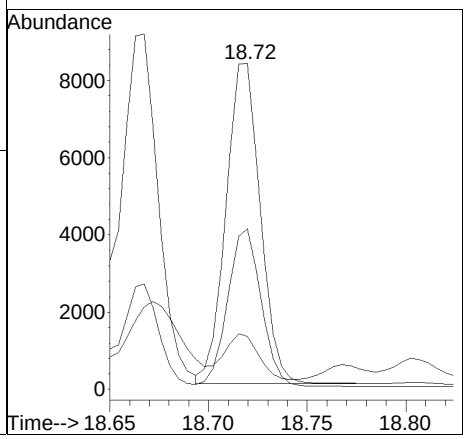


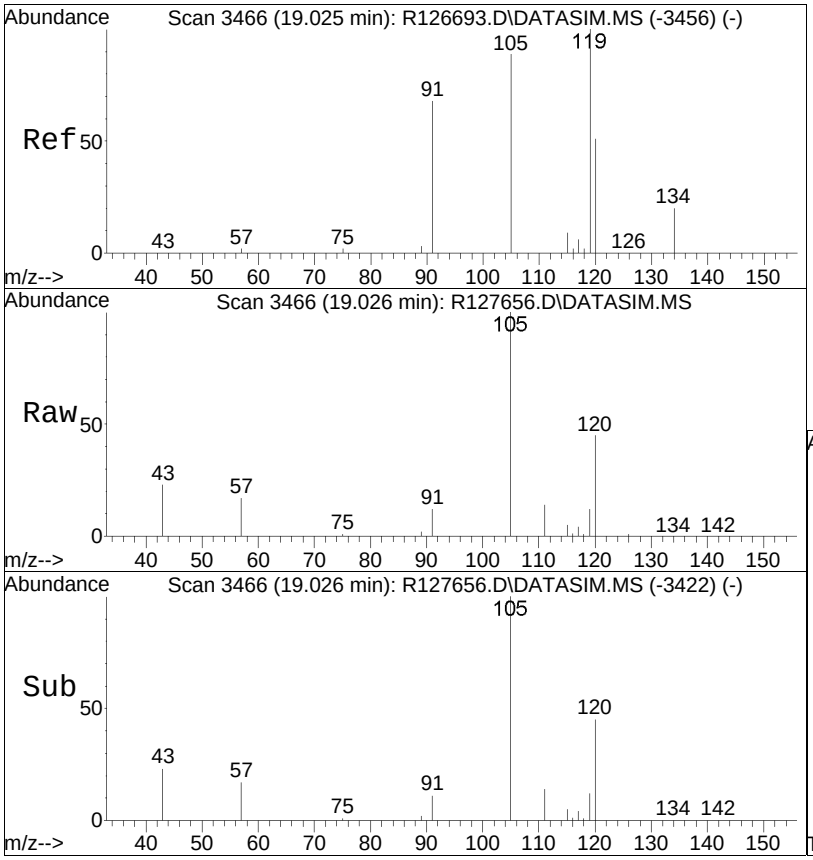


#67
1,3,5-trimethylbenzene
Concen: 0.14 ppbV
RT: 18.72 min Scan# 3398
Delta R.T. 0.004 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:105 Resp: 10071

Ion	Ratio	Lower	Upper
105	100		
120	49.3	39.0	58.4
91	16.3	8.0	12.0#

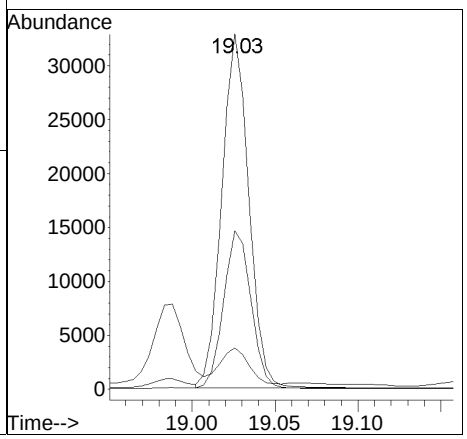


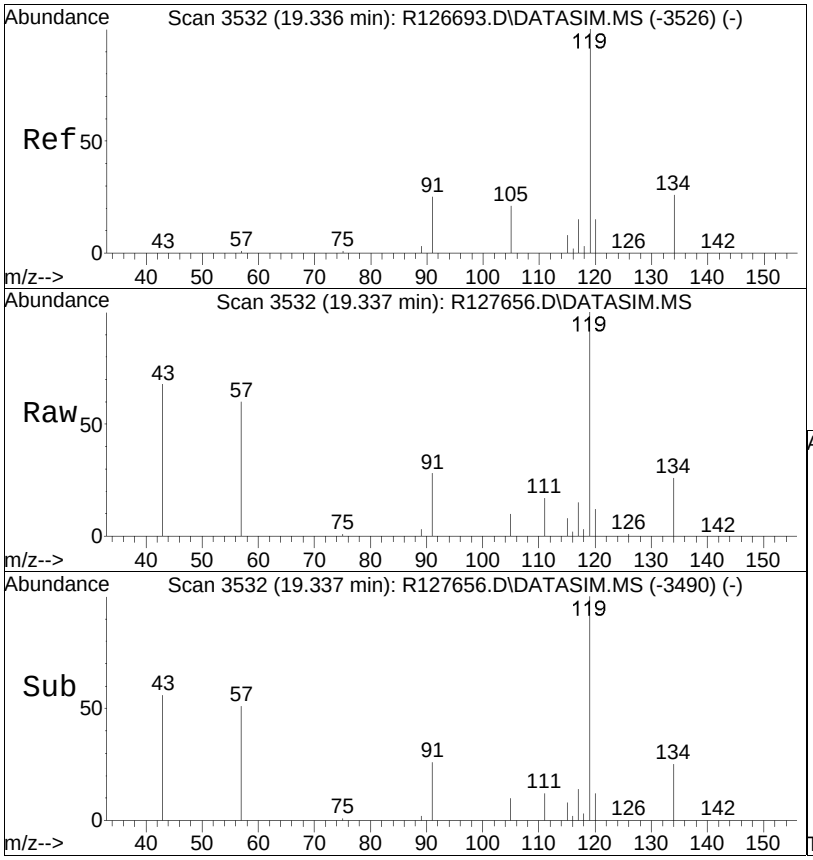


#69
1,2,4-trimethylbenzene
Concen: 0.53 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:105 Resp: 37006

Ion	Ratio	Lower	Upper
105	100		
120	44.6	44.9	67.3#
91	11.7	58.6	88.0#

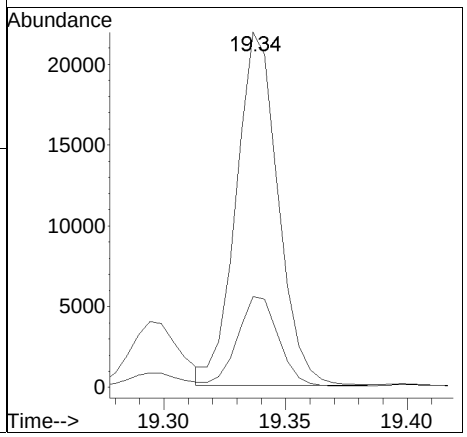


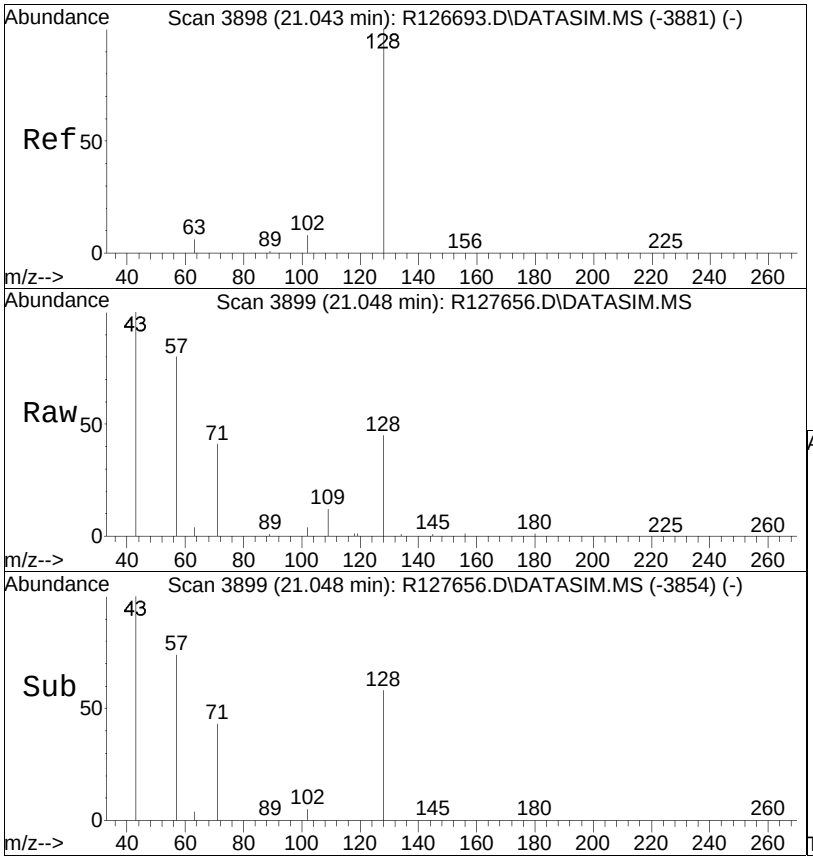


#74
p-isopropyltoluene
Concen: 0.27 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. -0.000 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:119 Resp: 26171

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6

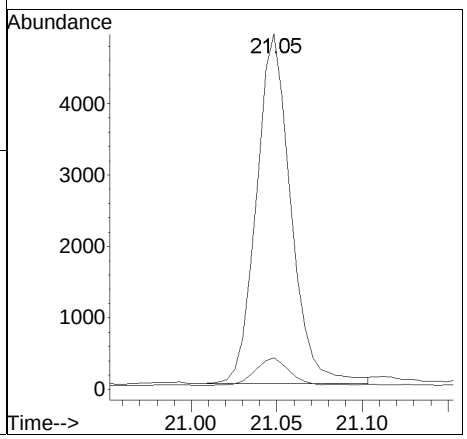




#78
naphthalene
Concen: 0.07 ppbV
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127656.D
Acq: 13 Apr 2013 1:10 am

Tgt Ion:128 Resp: 6867

Ion	Ratio	Lower	Upper
128	100		
102	8.9	6.2	9.2

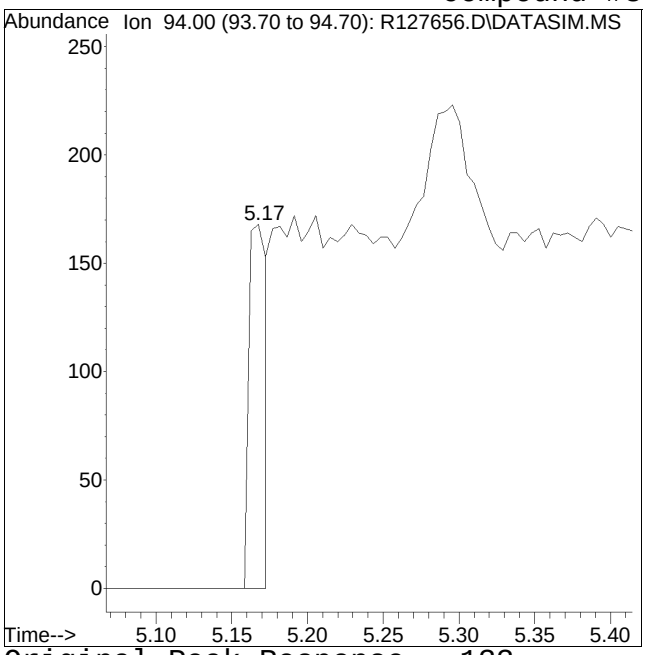


Manual Integration/Negative Proof Report

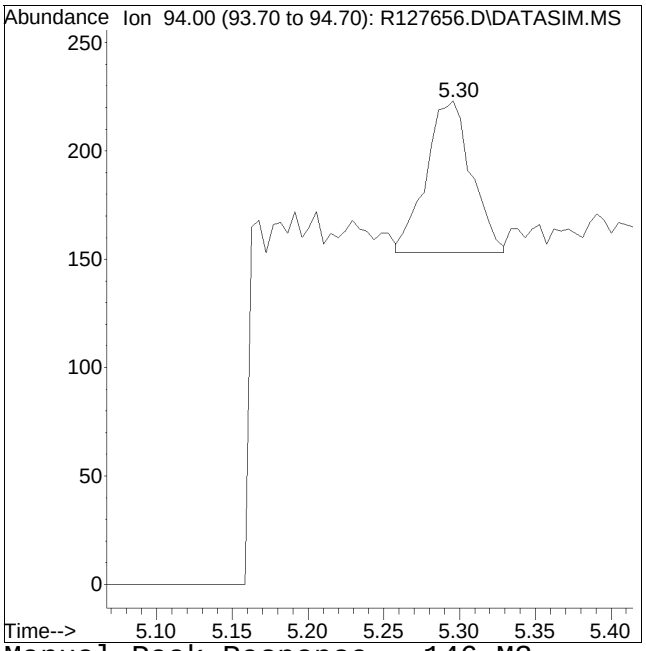
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #8: bromomethane



Original Peak Response = 133



Manual Peak Response = 146 M3

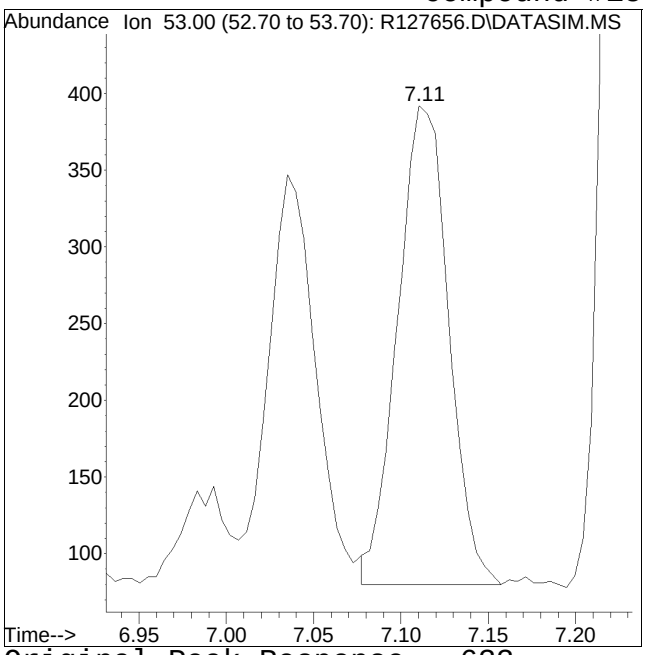
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

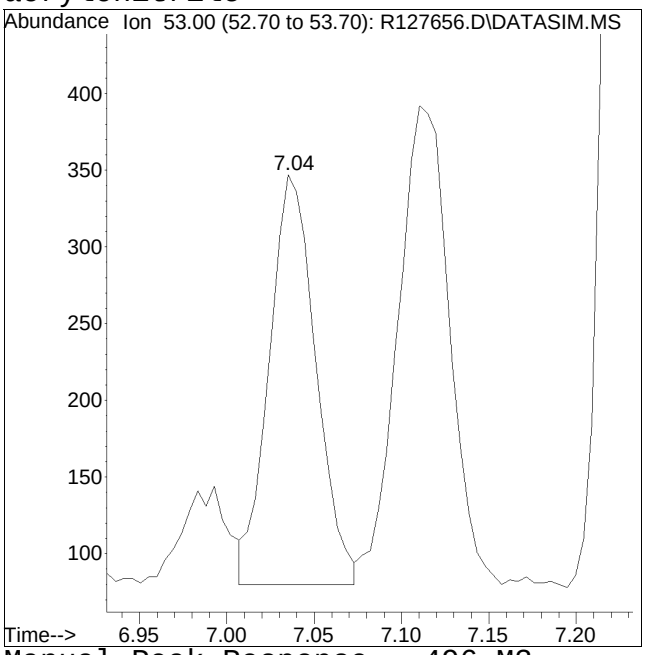
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #15: acrylonitrile



Original Peak Response = 633



Manual Peak Response = 496 M3

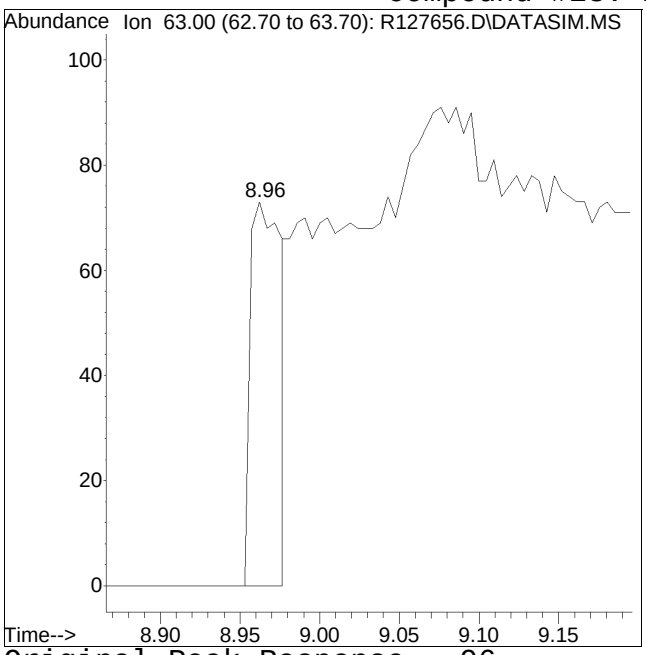
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

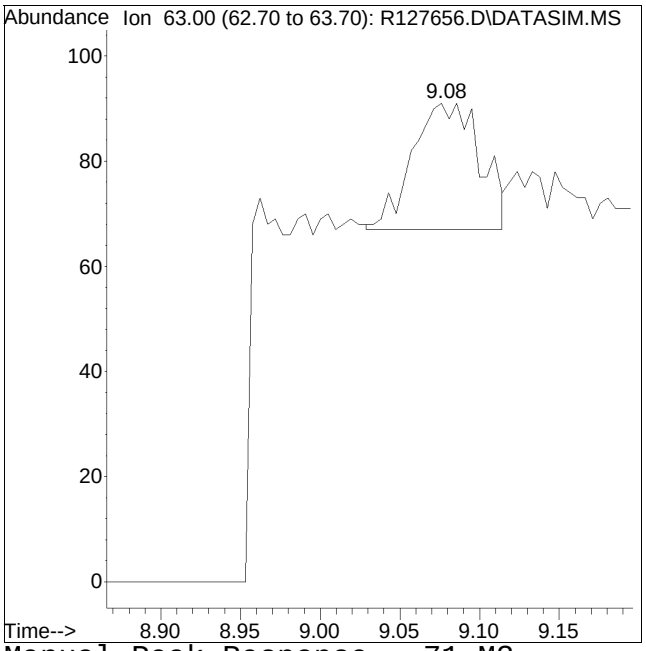
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #23: 1,1-dichloroethane





Original Peak Response = 96 Manual Peak Response = 71 M3

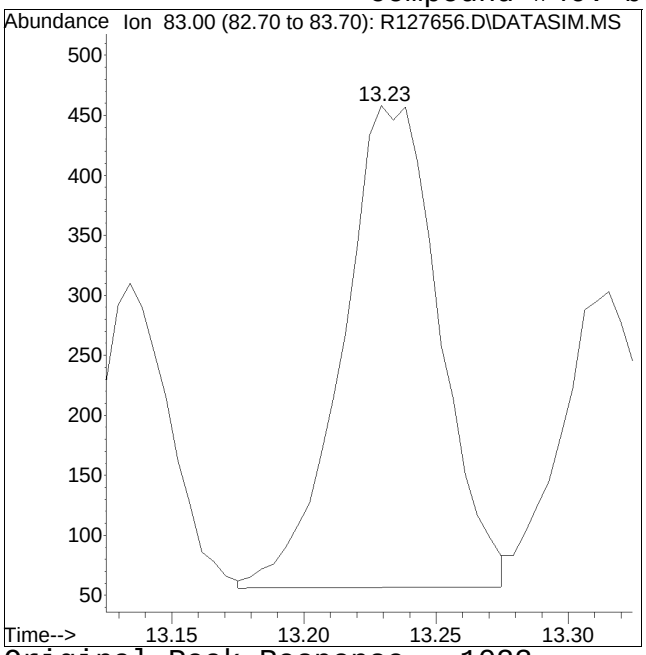
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

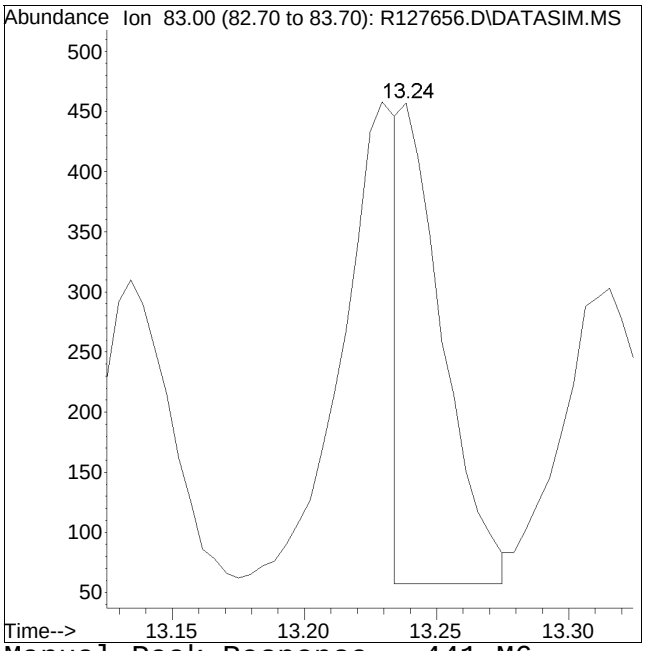
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #40: bromodichloromethane



Original Peak Response = 1023



Manual Peak Response = 441 M6

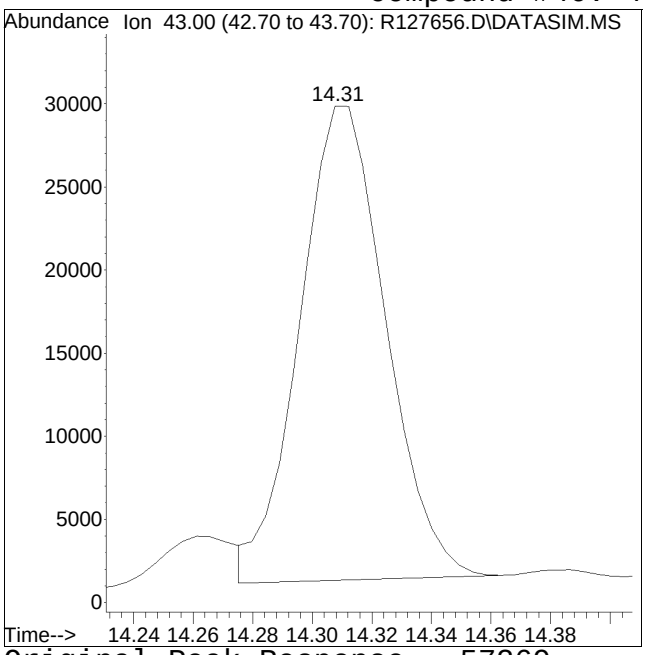
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

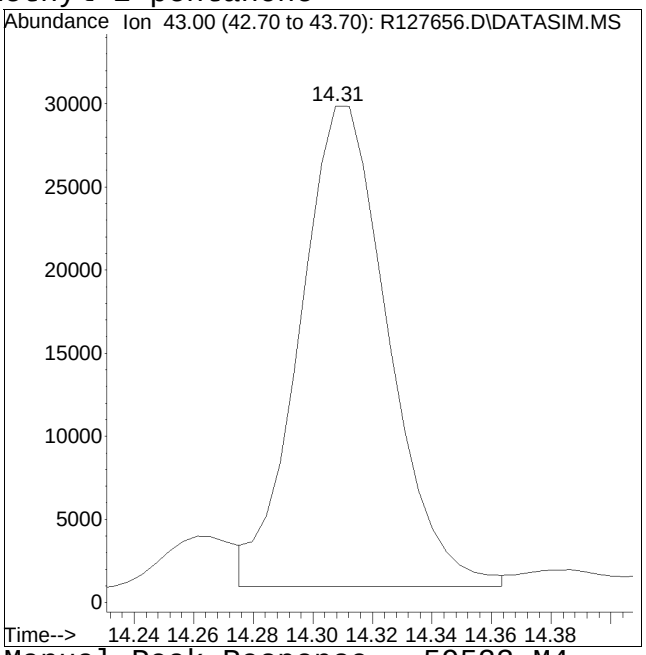
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 57269



Manual Peak Response = 59523 M4

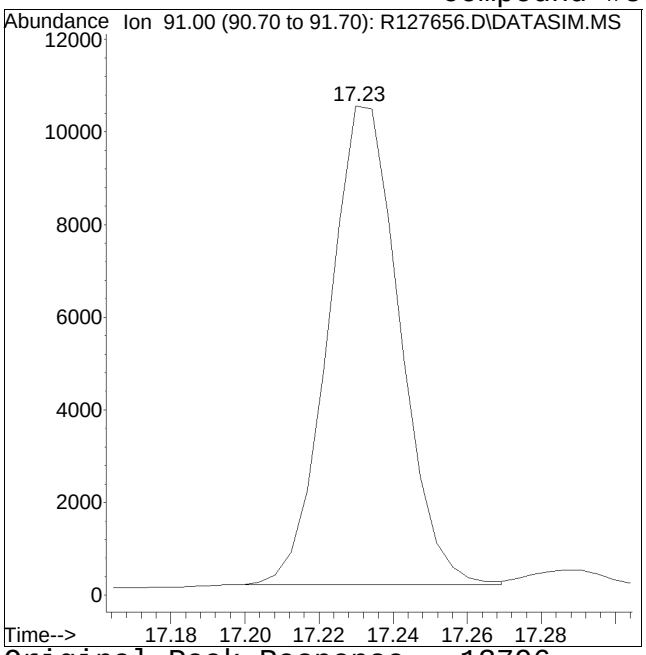
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

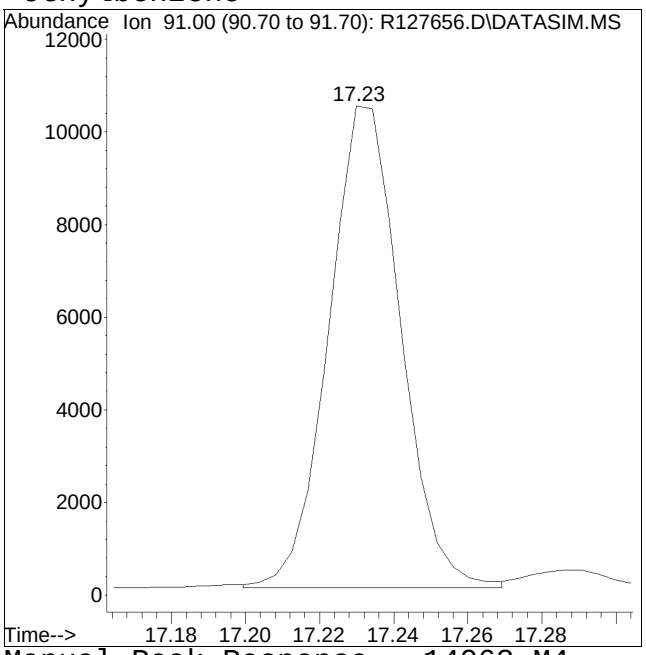
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #58: ethylbenzene



Original Peak Response = 13796



Manual Peak Response = 14063 M4

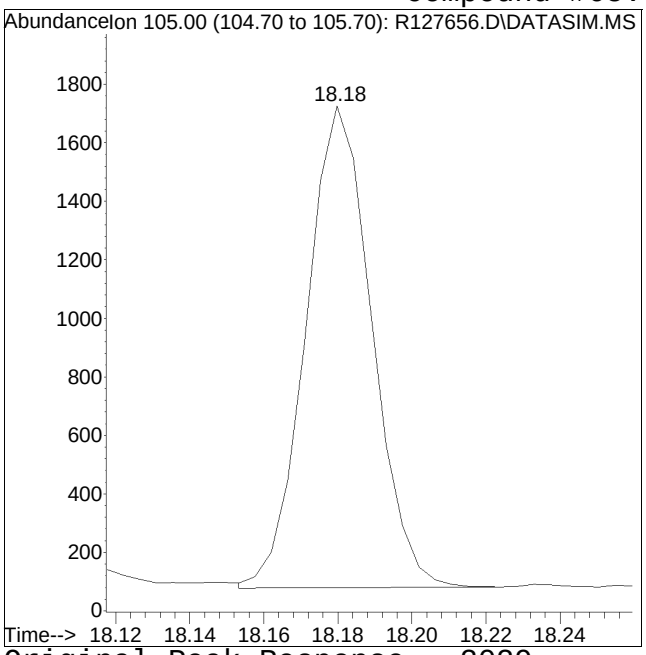
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

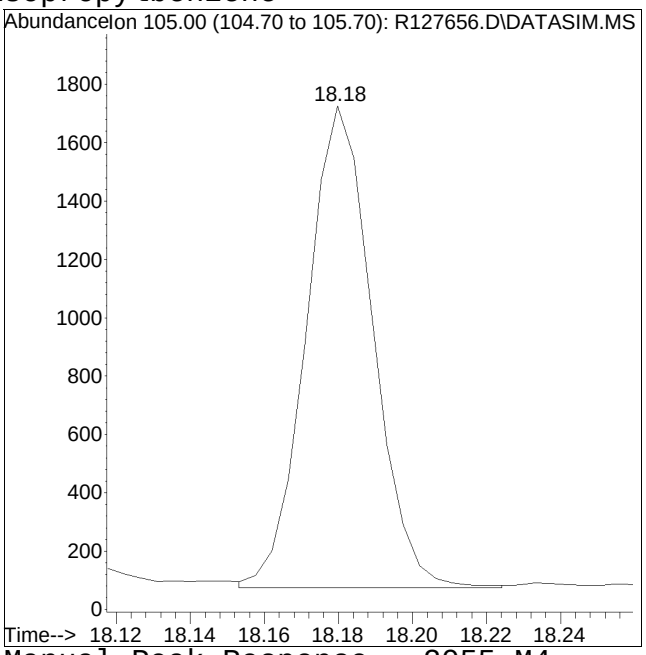
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #65: isopropylbenzene



Original Peak Response = 2029



Manual Peak Response = 2055 M4

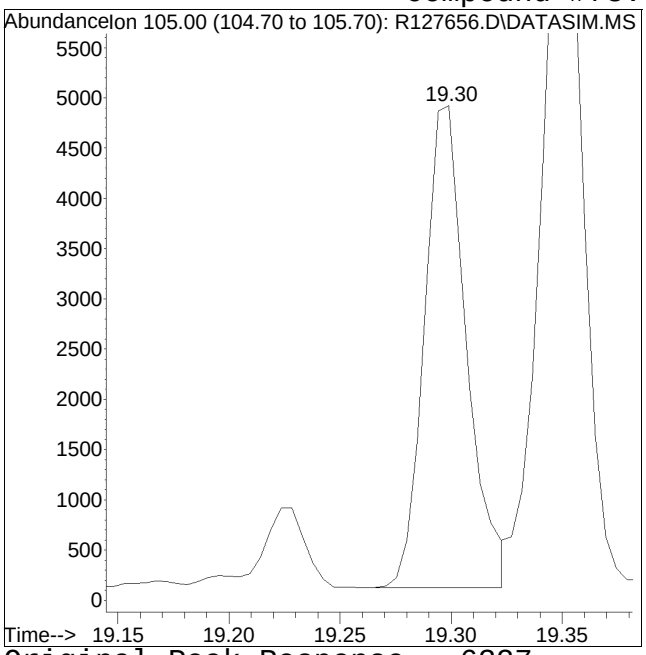
M4 = Poor automated baseline construction.

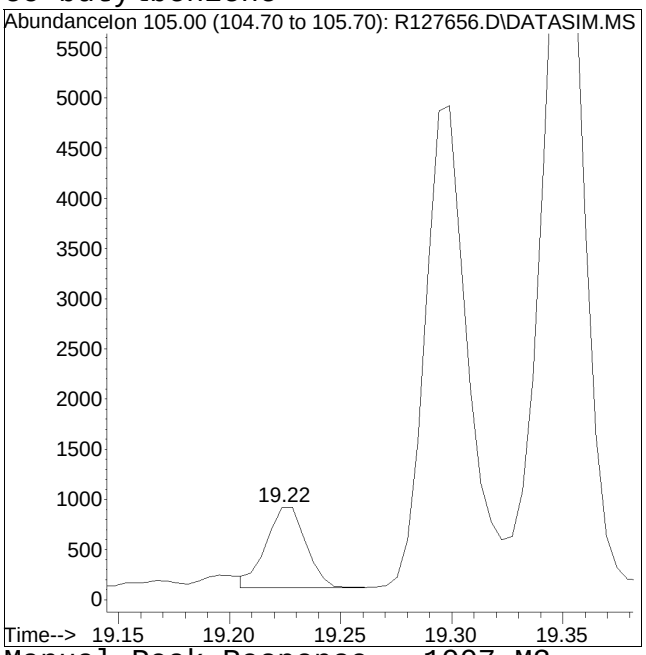
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #73: sec-butylbenzene





Original Peak Response = 6327 Manual Peak Response = 1007 M3

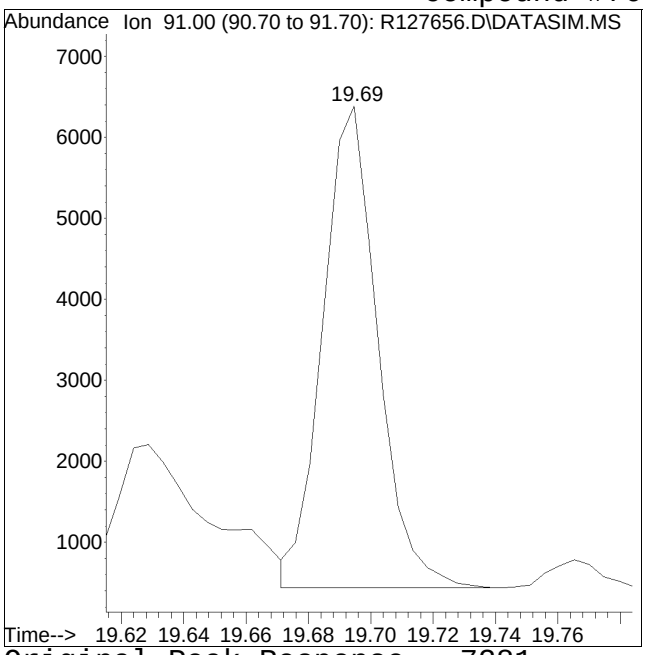
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

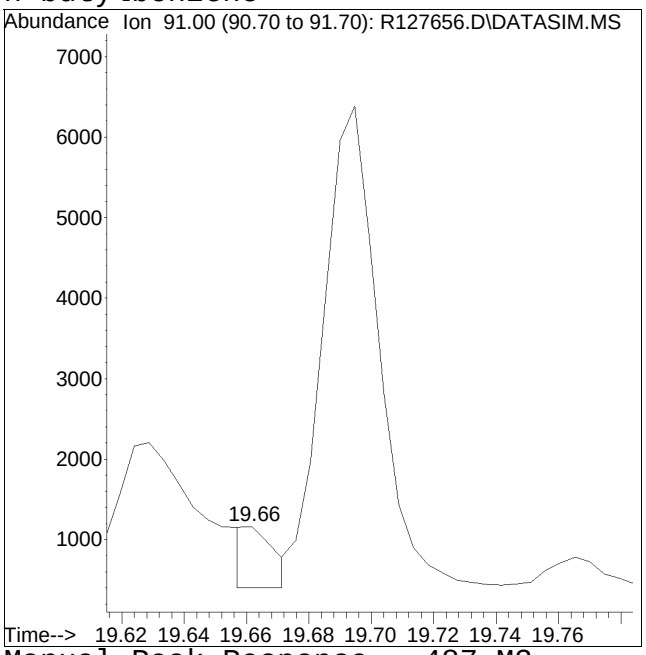
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127656.D
Date Inj'd : 4/13/2013 1:10 am
Sample : L1306330-26,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:04 am

Compound #76: n-butylbenzene



Original Peak Response = 7281



Manual Peak Response = 487 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127657.D
Acq On : 13 Apr 2013 6:31 am
Operator : AIRPIANO1:MB
Sample : L1306330-26D,3,50,250
Misc : WG601403,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 10:21:56 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : Toluene - .

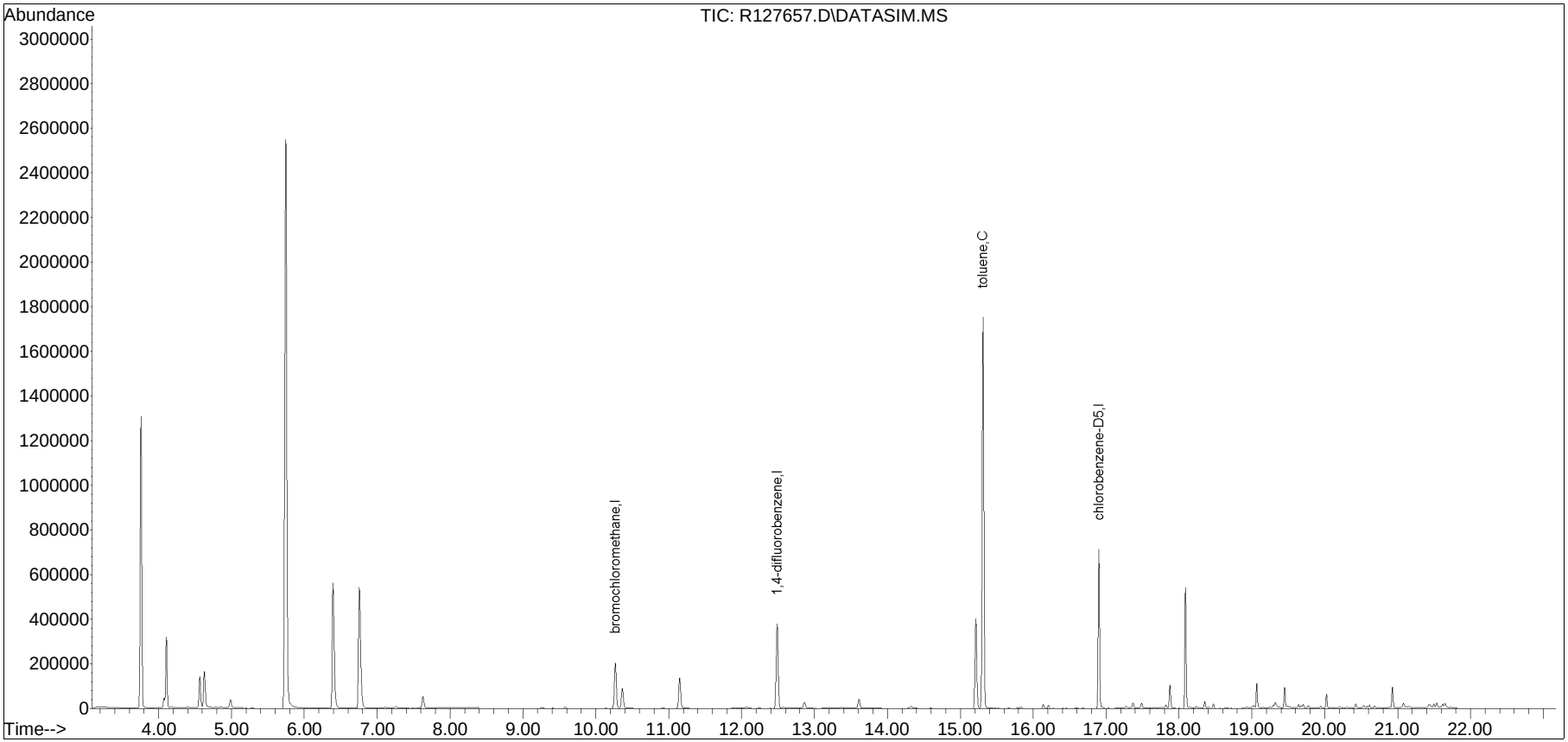
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	243625	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 90.63%			
32) 1,4-difluorobenzene	12.49	114	559825	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 102.33%			
49) chlorobenzene-D5	16.90	54	138908	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 104.66%			
System Monitoring Compounds						
Target Compounds						Qvalue
50) toluene	15.31	91	1546412	27.464	ppbV	99

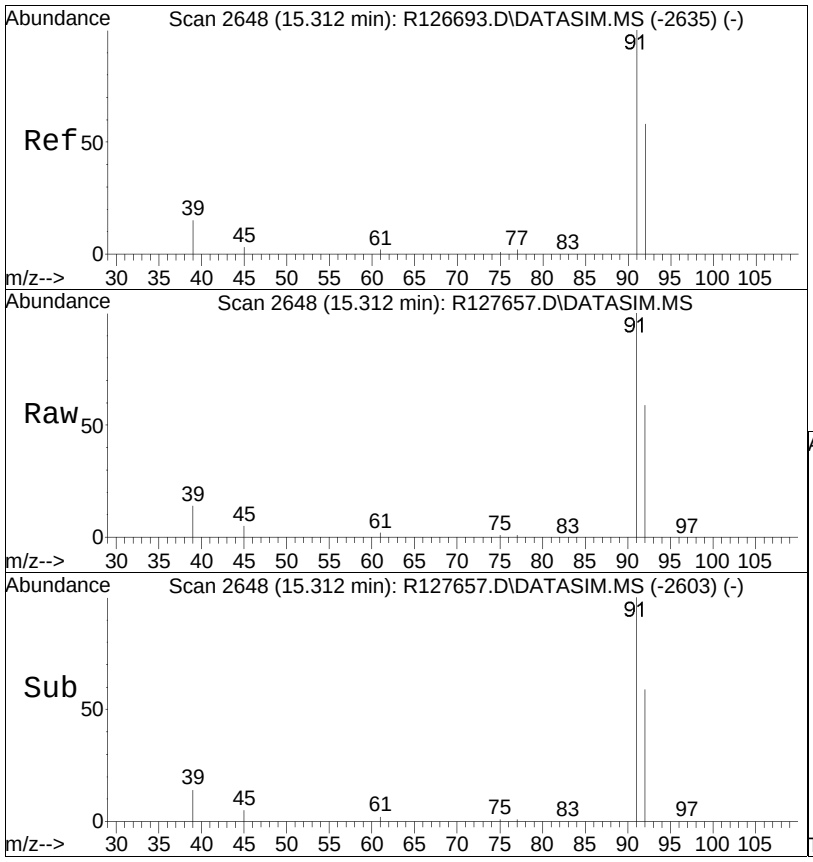
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Toluene - .ation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127657.D
Acq On : 13 Apr 2013 6:31 am
Operator : AIRPIANO1:MB
Sample : L1306330-26D,3,50,250
Misc : WG601403,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 10:21:56 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

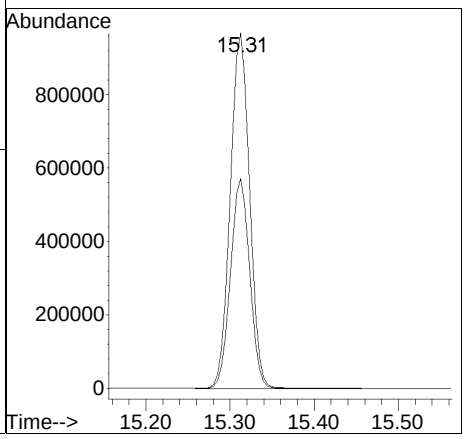




#50
toluene
Concen: 27.46 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127657.D
Acq: 13 Apr 2013 6:31 am

Tgt Ion: 91 Resp: 1546412

Ion	Ratio	Lower	Upper
91	100		
92	59.0	46.4	69.6



Manual Integration/Negative Proof Report

Data Path	: O:\Forensics\Data\AIR1\2013Q	Method	: TSIM130402.M
Data File	: R127657.D	Operator	: AIRPIANO1:MB
Date Inj'd	: 4/13/2013 6:31 am	Instrument	: Air Piano 1
Sample	: L1306330-26D,3,50,250	Quant Date	: 4/13/2013 10:21 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127658.D
Acq On : 13 Apr 2013 7:03 am
Operator : AIRPIANO1:MB
Sample : L1306330-25D,3,50,250
Misc : WG601403,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 13 10:22:29 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : Toluene - .

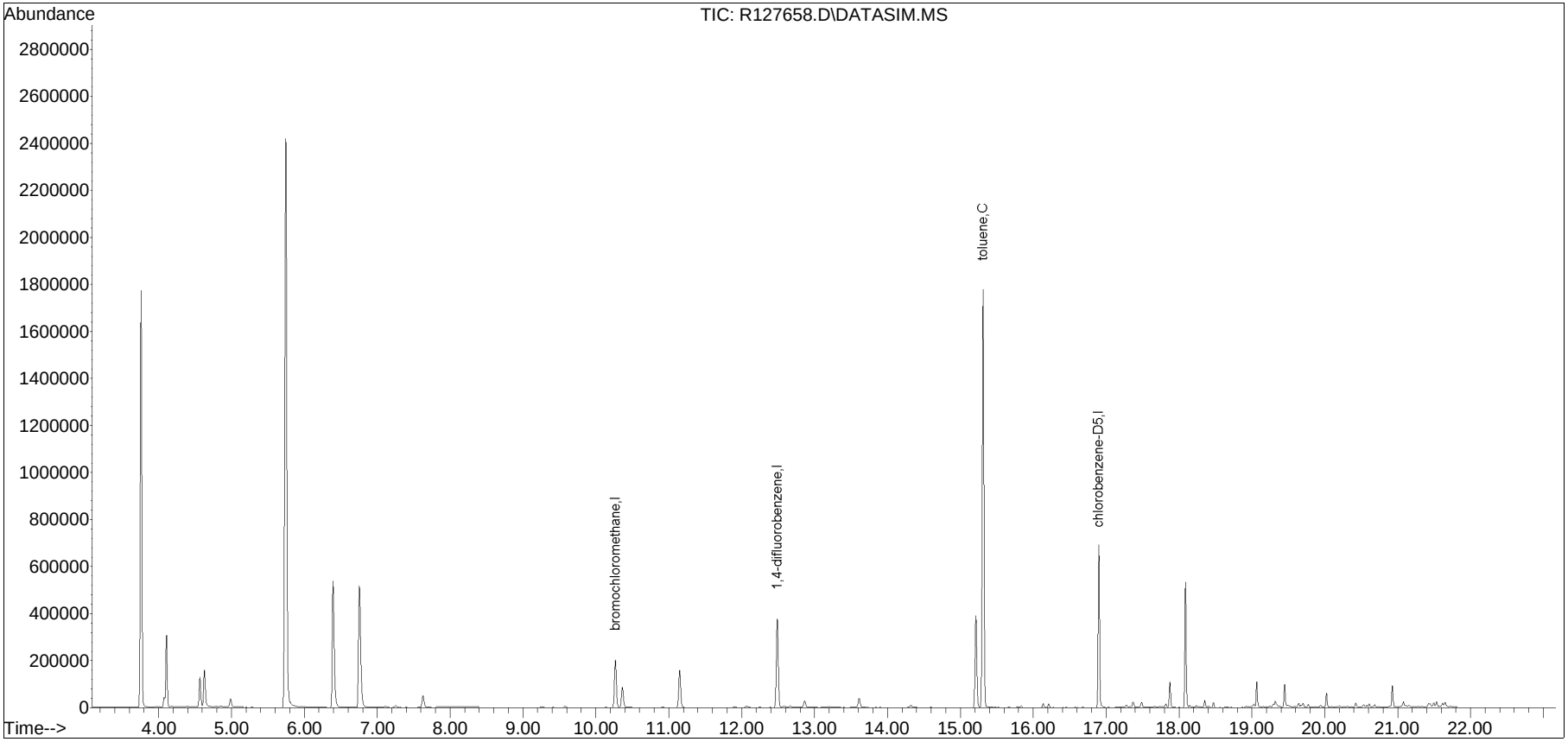
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	239522	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 89.10%			
32) 1,4-difluorobenzene	12.49	114	560336	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 102.42%			
49) chlorobenzene-D5	16.90	54	137719	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 103.77%			
System Monitoring Compounds						
Target Compounds						Qvalue
50) toluene	15.31	91	1548226	27.733	ppbV	99

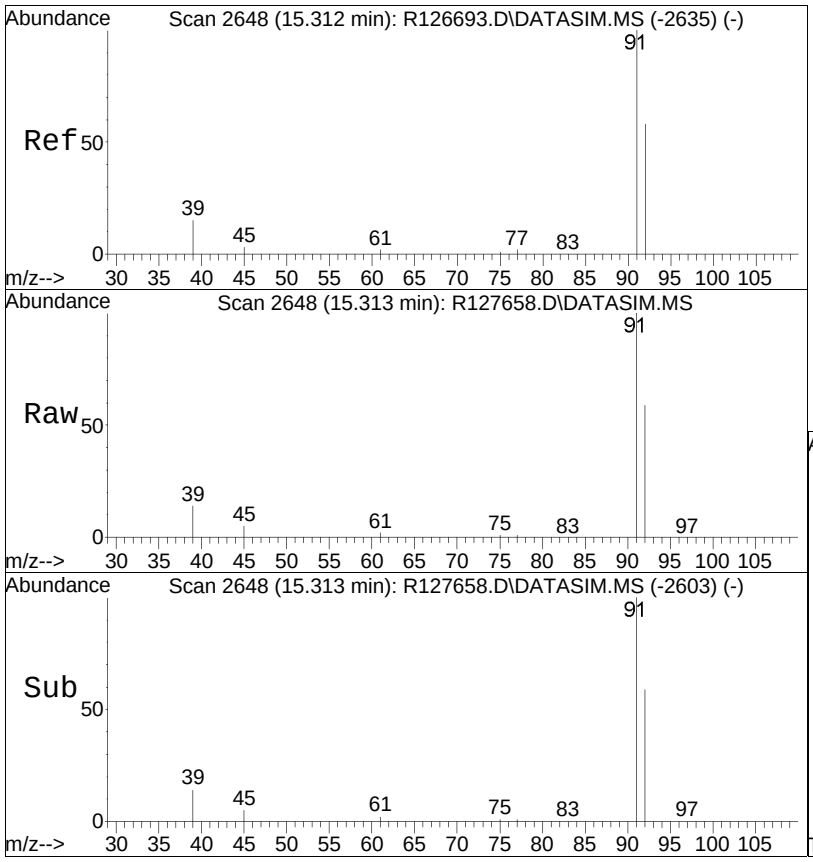
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Toluene - .ation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127658.D
Acq On : 13 Apr 2013 7:03 am
Operator : AIRPIANO1:MB
Sample : L1306330-25D,3,50,250
Misc : WG601403,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 13 10:22:29 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

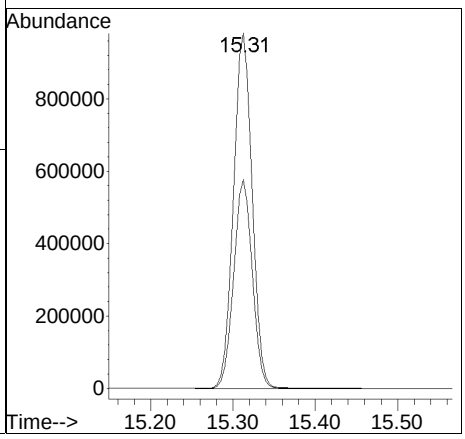




#50
toluene
Concen: 27.73 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127658.D
Acq: 13 Apr 2013 7:03 am

Tgt Ion: 91 Resp: 1548226

Ion	Ratio	Lower	Upper
91	100		
92	58.8	46.4	69.6



Manual Integration/Negative Proof Report

Data Path	: O:\Forensics\Data\AIR1\2013Q	Method	: TSIM130402.M
Data File	: R127658.D	Operator	: AIRPIANO1:MB
Date Inj'd	: 4/13/2013 7:03 am	Instrument	: Air Piano 1
Sample	: L1306330-25D,3,50,250	Quant Date	: 4/13/2013 10:22 am

There are no manual integrations or false positives in this file.

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127640.D
Acq On : 12 Apr 2013 3:45 pm
Operator : AIRPIANO1:MB
Sample : WG601403-4,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 12 16:17:01 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.26	49	266804	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 99.25%			
32) 1,4-difluorobenzene	12.48	114	545166	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 99.65%			
49) chlorobenzene-D5	16.90	54	131761	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 99.28%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18		0		N.D.	
4) chloromethane	4.40		0		N.D.	
5) Freon-114	4.54		0		N.D.	
6) vinyl chloride	4.72		0		N.D.	
7) 1,3-butadiene	4.91		0		N.D.	
8) bromomethane	0.00		0		N.D.	d
9) chloroethane	5.54		0		N.D.	
12) acetone	6.43		0		N.D.	
13) trichlorofluoromethane	6.61		0		N.D.	
15) acrylonitrile	0.00		0		N.D.	d
16) 1,1-dichloroethene	0.00		0		N.D.	
17) methylene chloride	7.64		0		N.D.	
20) Freon 113	0.00		0		N.D.	
22) trans-1,2-dichloroethene	0.00		0		N.D.	
23) 1,1-dichloroethane	8.96		0		N.D.	
24) MTBE	0.00		0		N.D.	
26) 2-butanone	9.56		0		N.D.	
27) cis-1,2-dichloroethene	9.97		0		N.D.	
29) chloroform	10.42		0		N.D.	
31) 1,2-dichloroethane	11.15		0		N.D.	
35) 1,1,1-trichloroethane	11.46		0		N.D.	
36) benzene	12.09		0		N.D.	
37) carbon tetrachloride	12.25		0		N.D.	
39) 1,2-dichloropropane	13.01		0		N.D.	
40) bromodichloromethane	13.25		0		N.D.	
42) trichloroethene	13.28		0		N.D.	
45) cis-1,3-dichloropropene	14.25		0		N.D.	
46) 4-methyl-2-pentanone	14.31		0		N.D.	
47) trans-1,3-dichloropropene	14.85		0		N.D.	

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127640.D
Acq On : 12 Apr 2013 3:45 pm
Operator : AIRPIANO1:MB
Sample : WG601403-4,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 12 16:17:01 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

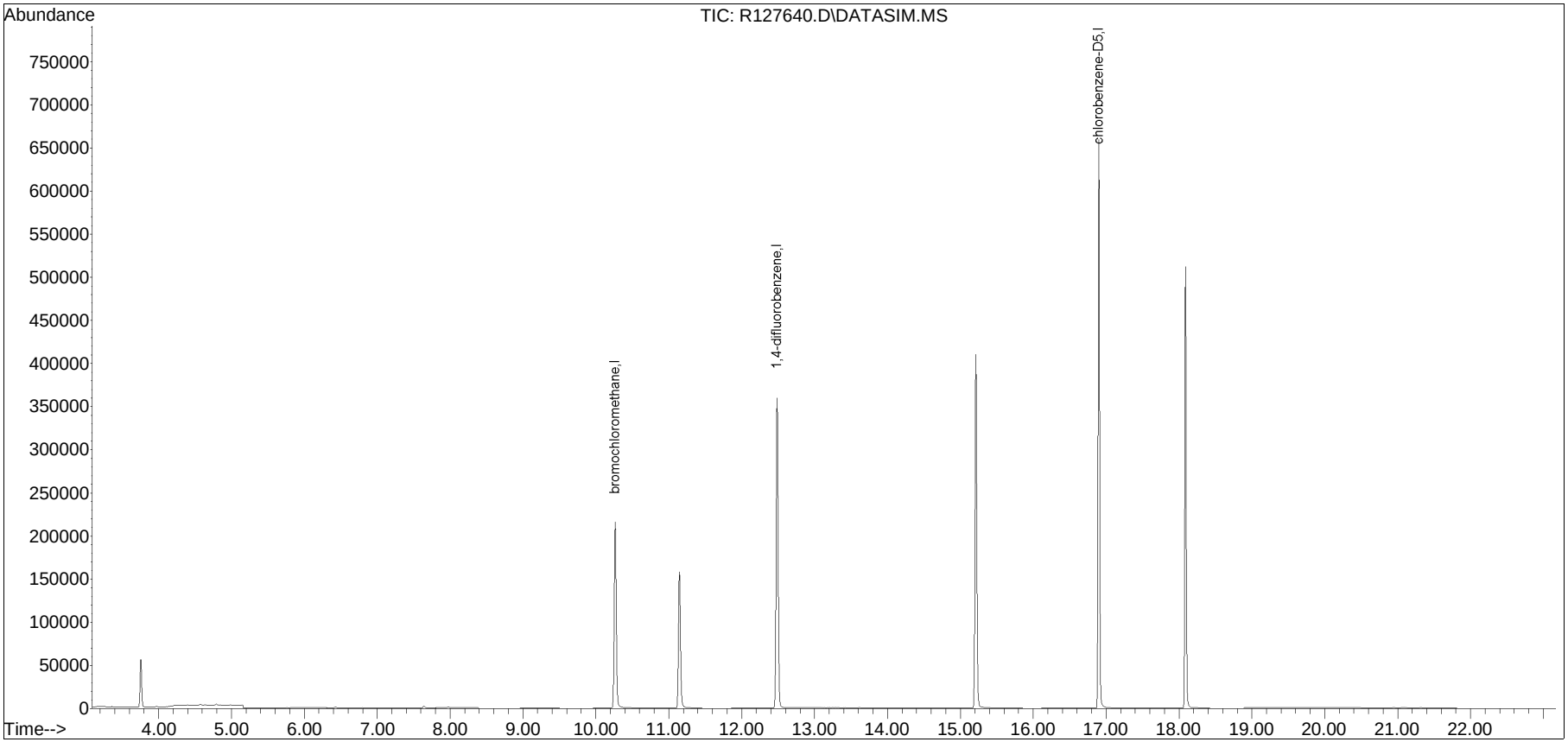
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0		N.D.	
50) toluene	15.32		0		N.D.	
53) dibromochloromethane	0.00		0		N.D.	
54) 1,2-dibromoethane	15.86		0		N.D.	
55) tetrachloroethene	16.37		0		N.D.	
56) 1,1,1,2-tetrachloroethane	16.93		0		N.D.	
57) chlorobenzene	16.93		0		N.D.	
58) ethylbenzene	17.25		0		N.D.	
59) m+p-xylene	17.38		0		N.D.	
60) bromoform	17.46		0		N.D.	
61) styrene	17.69		0		N.D.	
62) 1,1,2,2-tetrachloroethane	17.75		0		N.D.	
63) o-xylene	17.74		0		N.D.	
65) isopropylbenzene	18.18		0		N.D.	
66) 4-ethyl toluene	18.68		0		N.D.	
67) 1,3,5-trimethylbenzene	18.73		0		N.D.	
69) 1,2,4-trimethylbenzene	19.04		0		N.D.	
71) 1,3-dichlorobenzene	19.18		0		N.D.	
72) 1,4-dichlorobenzene	19.22		0		N.D.	
73) sec-butylbenzene	19.24		0		N.D.	
74) p-isopropyltoluene	19.35		0		N.D.	
75) 1,2-dichlorobenzene	19.49		0		N.D.	
76) n-butylbenzene	19.68		0		N.D.	
77) 1,2,4-trichlorobenzene	20.93		0		N.D.	
78) naphthalene	21.06		0		N.D.	
79) 1,2,3-trichlorobenzene	21.31		0		N.D.	
80) hexachlorobutadiene	21.37		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127640.D
Acq On : 12 Apr 2013 3:45 pm
Operator : AIRPIANO1:MB
Sample : WG601403-4,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 12 16:17:01 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

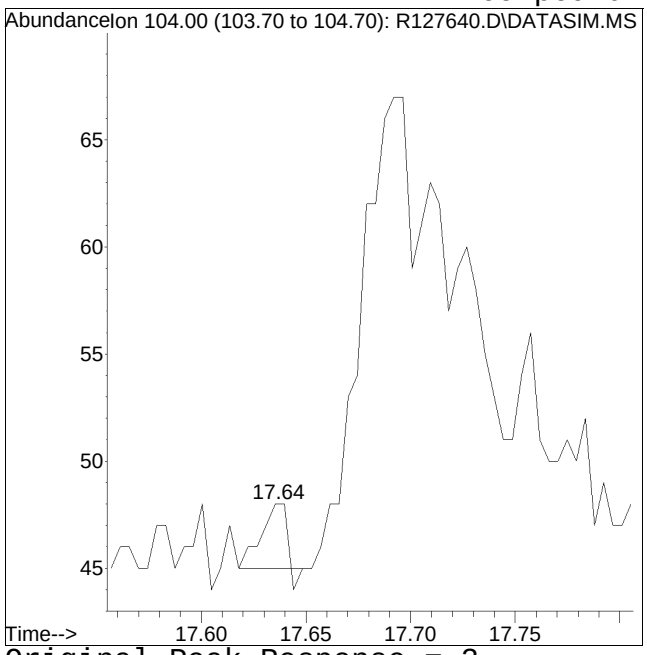


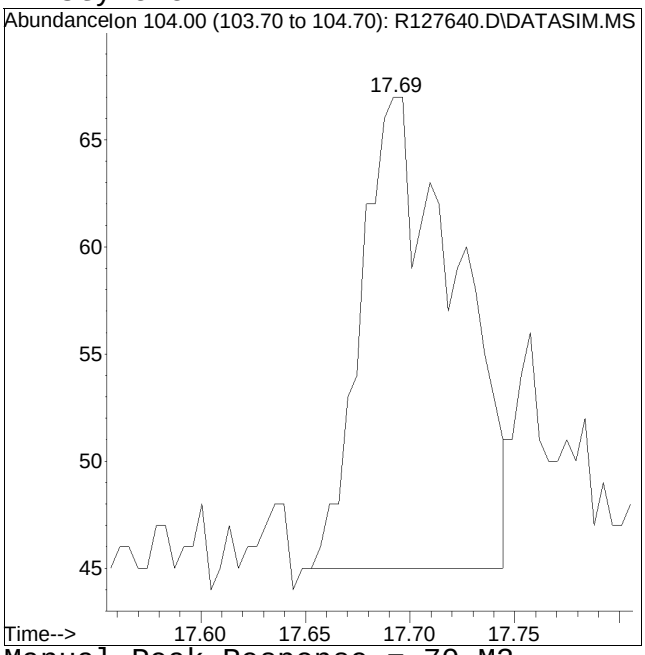
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127640.D
Date Inj'd : 4/12/2013 3:45 pm
Sample : WG601403-4,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 4:15 pm

Compound #61: styrene





Original Peak Response = 2 Manual Peak Response = 70 M3

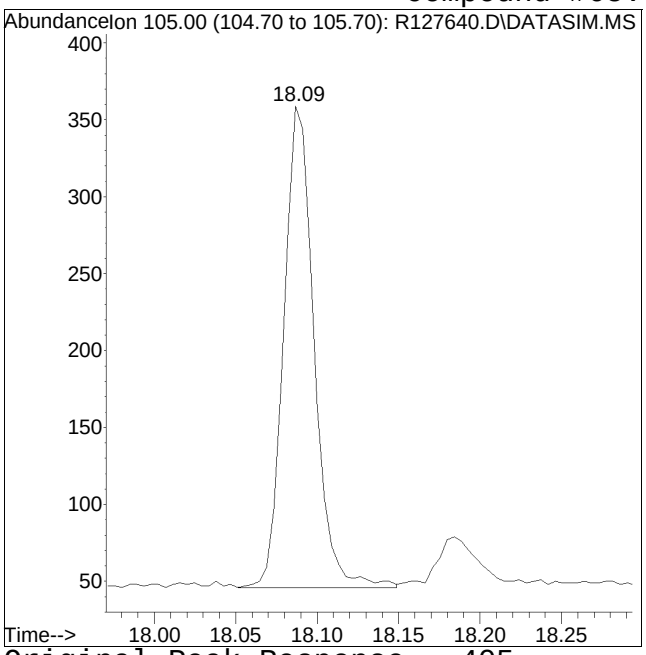
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

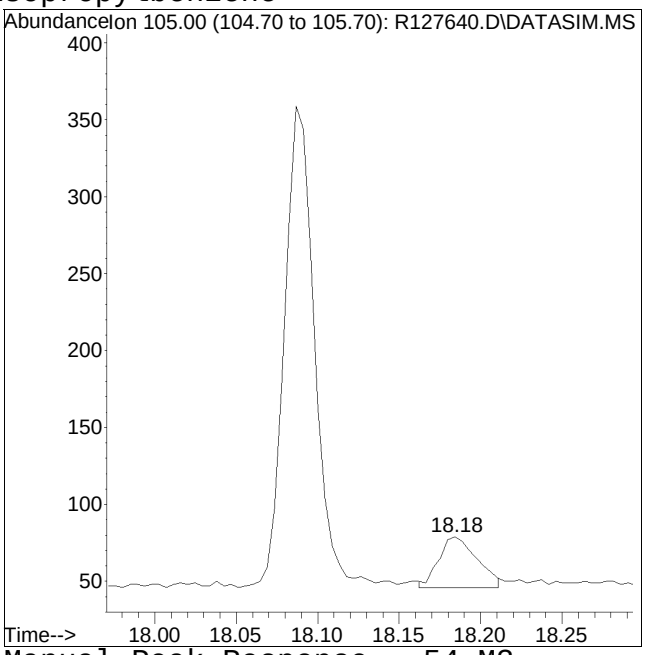
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127640.D
Date Inj'd : 4/12/2013 3:45 pm
Sample : WG601403-4,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/12/2013 4:15 pm

Compound #65: isopropylbenzene





Original Peak Response = 405 Manual Peak Response = 54 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

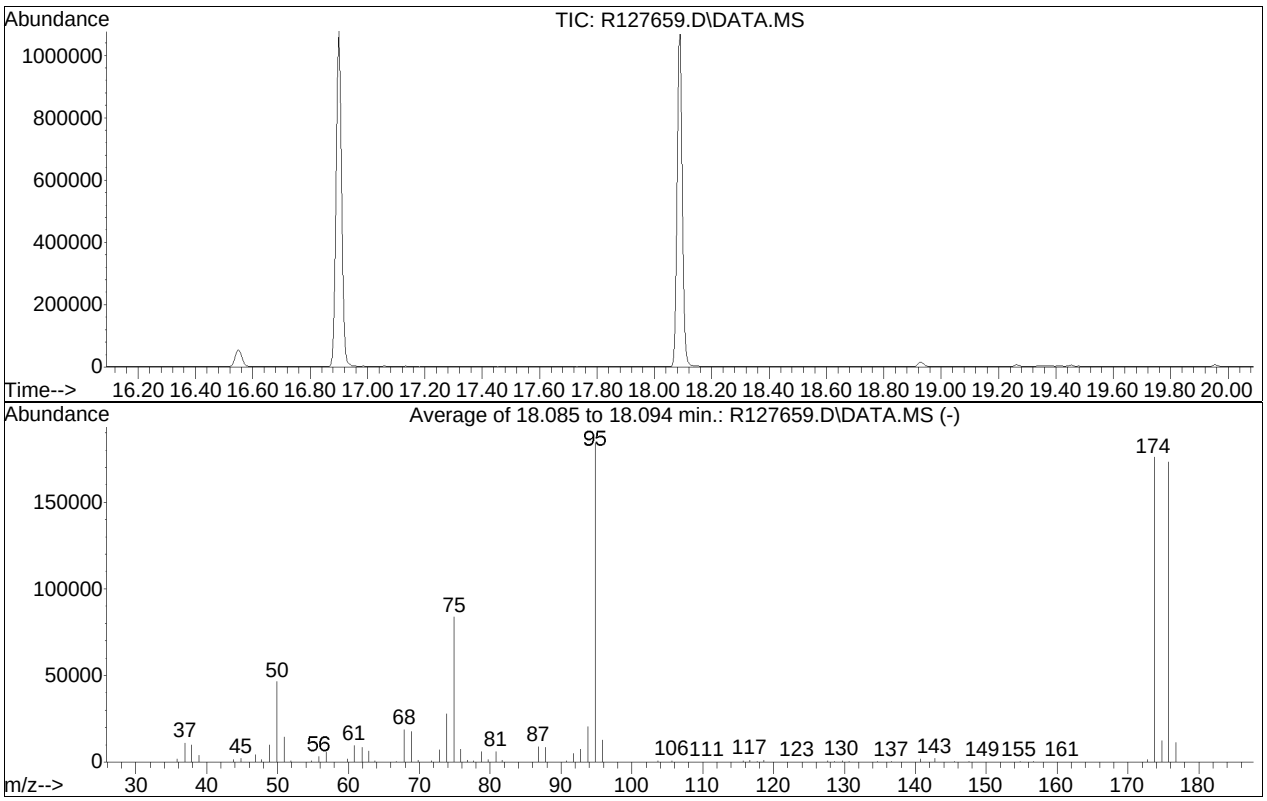
Analytical Event

Continuing Calibration
BFB Tune

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127659.D
Acq On : 15 Apr 2013 10:53 am
Operator : AIRPIANO1:MB
Sample : WG601750-1,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Wed Apr 03 15:20:57 2013



AutoFind: Scans 3254, 3255, 3256; Background Corrected with Scan 3245

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.2	46421	PASS
75	95	30	66	45.4	83744	PASS
95	95	100	100	100.0	184384	PASS
96	95	5	9	6.8	12585	PASS
173	174	0.00	2	0.9	1517	PASS
174	95	50	120	95.4	175829	PASS
175	174	4	9	7.1	12550	PASS
176	174	93	101	98.6	173355	PASS
177	176	5	9	6.5	11315	PASS

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-2,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	107	0.00
3		dichlorodifluoromethane	1.295	1.333	-2.9	117	0.00
4	C	chloromethane	0.681	0.692	-1.6	119	0.00
5		Freon-114	1.416	1.452	-2.5	114	0.00
6	C	vinyl chloride	0.580	0.592	-2.1	114	0.00
7	C	1,3-butadiene	0.462	0.489	-5.8	118	0.00
8	C	bromomethane	0.518	0.521	-0.6	113	0.00
9	C	chloroethane	0.259	0.257	0.8	114	0.00
12		acetone	1.082	1.142	-5.5	118	0.00
13		trichlorofluoromethane	1.554	1.599	-2.9	113	0.00
15	C	acrylonitrile	0.526	0.529	-0.6	110	0.00
16	C	1,1-dichloroethene	0.969	0.992	-2.4	111	0.00
17	C	methylene chloride	0.904	0.952	-5.3	116	0.00
20		Freon 113	1.080	1.115	-3.2	113	0.00
22		trans-1,2-dichloroethene	0.935	0.842	9.9	98	0.00
23	C	1,1-dichloroethane	1.083	1.072	1.0	111	0.00
24	C	MTBE	1.313	1.201	8.5	104	0.00
26	C	2-butanone	1.696	1.488	12.3	96	0.00
27		cis-1,2-dichloroethene	0.926	0.906	2.2	105	0.00
29	C	chloroform	1.169	1.211	-3.6	111	0.00
31	C	1,2-dichloroethane	0.883	0.889	-0.7	112	0.00
32	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00
35	C	1,1,1-trichloroethane	0.535	0.576	-7.7	108	0.00
36	C	benzene	0.790	0.818	-3.5	106	0.00
37	C	carbon tetrachloride	0.587	0.590	-0.5	102	0.00
39	C	1,2-dichloropropane	0.348	0.371	-6.6	110	0.00
40		bromodichloromethane	0.601	0.590	1.8	100	0.00
42	C	trichloroethene	0.386	0.409	-6.0	107	0.00
45	C	cis-1,3-dichloropropene	0.434	0.473	-9.0	108	0.00
46	C	4-methyl-2-pentanone	0.898	0.976	-8.7	105	0.00
47		trans-1,3-dichloropropene	0.434	0.404	6.9	91	0.00
48	C	1,1,2-trichloroethane	0.338	0.381	-12.7	113	0.00
49	I	chlorobenzene-D5	1.000	1.000	0.0	105	0.00
50	C	toluene	4.054	4.148	-2.3	107	0.00
53		dibromochloromethane	2.903	2.534	12.7	89	0.00
54	C	1,2-dibromoethane	2.429	2.607	-7.3	109	0.00
55	C	tetrachloroethene	2.093	2.145	-2.5	106	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-2,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56		1,1,1,2-tetrachloroethane	2.114	1.959	7.3	94	0.00
57	C	chlorobenzene	3.397	3.572	-5.2	108	0.00
58	C	ethylbenzene	5.192	5.460	-5.2	107	0.00
59	C	m+p-xylene	4.037	4.299	-6.5	108	0.00
60	C	bromoform	2.938	2.324	20.9	79	0.00
61	C	styrene	3.127	3.316	-6.0	106	0.00
62	C	1,1,2,2-tetrachloroethane	3.312	3.653	-10.3	111	0.00
63	C	o-xylene	4.207	4.453	-5.8	109	0.00
65	C	isopropylbenzene	6.173	6.299	-2.0	103	0.00
66		4-ethyl toluene	6.115	5.610	8.3	92	0.00
67		1,3,5-trimethylbenzene	5.019	5.257	-4.7	107	0.00
69		1,2,4-trimethylbenzene	5.025	5.416	-7.8	108	0.00
71		1,3-dichlorobenzene	3.802	4.051	-6.5	105	0.00
72	C	1,4-dichlorobenzene	3.866	4.094	-5.9	105	0.00
73		sec-butylbenzene	7.834	7.792	0.5	98	0.00
74		p-isopropyltoluene	6.909	6.494	6.0	92	0.00
75		1,2-dichlorobenzene	3.657	3.882	-6.2	105	0.00
76		n-butylbenzene	6.251	6.610	-5.7	103	0.00
77	C	1,2,4-trichlorobenzene	2.939	3.388	-15.3	106	0.00
78		naphthalene	7.351	7.753	-5.5	103	0.00
79		1,2,3-trichlorobenzene	3.075	3.508	-14.1	110	0.00
80	C	hexachlorobutadiene	2.480	2.628	-6.0	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-2,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	277541	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 100.00%			
32) 1,4-difluorobenzene	12.49	114	568916	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 100.00%			
49) chlorobenzene-D5	16.90	54	138075	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	185017	5.148	ppbV	100
4) chloromethane	4.40	50	95985	5.077	ppbV	100
5) Freon-114	4.55	85	201465	5.128	ppbV	99
6) vinyl chloride	4.71	62	82134	5.102	ppbV	99
7) 1,3-butadiene	4.91	54	67814	5.292	ppbV	96
8) bromomethane	5.30	94	72345	5.028	ppbV	99
9) chloroethane	5.55	64	35663	4.958	ppbV	98
12) acetone	6.39	43	792144	26.379	ppbV	99
13) trichlorofluoromethane	6.62	101	221870	5.144	ppbV	100
15) acrylonitrile	7.04	53	73350	5.020	ppbV	100
16) 1,1-dichloroethene	7.47	61	137637	5.115	ppbV	99
17) methylene chloride	7.64	49	132169M4	5.266	ppbV	
20) Freon 113	7.99	101	154712	5.163	ppbV	99
22) trans-1,2-dichloroethene	8.82	61	116871M4	4.503	ppbV	
23) 1,1-dichloroethane	9.07	63	148702	4.948	ppbV	99
24) MTBE	9.16	73	166710	4.576	ppbV	99
26) 2-butanone	9.56	43	206423	4.386	ppbV	98
27) cis-1,2-dichloroethene	10.07	61	125703	4.892	ppbV	96
29) chloroform	10.43	83	168060	5.180	ppbV	99
31) 1,2-dichloroethane	11.27	62	123378	5.033	ppbV	99
35) 1,1,1-trichloroethane	11.56	97	163799	5.378	ppbV	98
36) benzene	12.08	78	232567	5.173	ppbV	99
37) carbon tetrachloride	12.25	117	167712	5.021	ppbV	99
39) 1,2-dichloropropane	13.02	63	105589	5.340	ppbV	100
40) bromodichloromethane	13.24	83	167744	4.906	ppbV	100
42) trichloroethene	13.28	130	116462	5.297	ppbV	100
45) cis-1,3-dichloropropene	14.27	75	134553	5.448	ppbV	99
46) 4-methyl-2-pentanone	14.30	43	277619	5.437	ppbV	100
47) trans-1,3-dichloropropene	14.84	75	114890	4.649	ppbV	99
48) 1,1,2-trichloroethane	15.03	97	108279	5.628	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-2,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

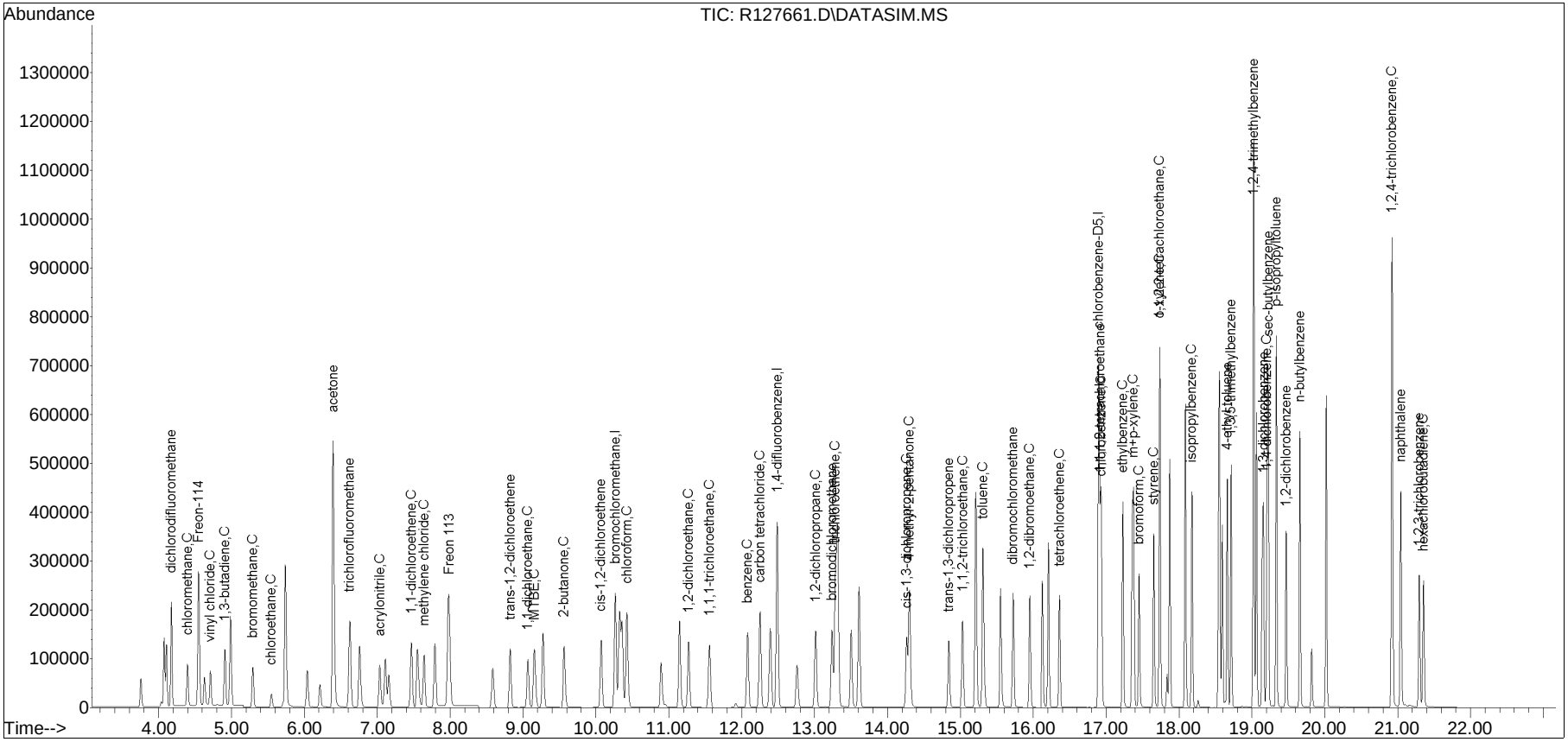
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) toluene	15.31	91	286359M4	5.116	ppbV	
53) dibromochloromethane	15.72	129	174936M4	4.365	ppbV	
54) 1,2-dibromoethane	15.95	107	179999M4	5.368	ppbV	
55) tetrachloroethene	16.36	166	148108	5.126	ppbV	98
56) 1,1,1,2-tetrachloroethane	16.92	131	135236	4.633	ppbV	100
57) chlorobenzene	16.93	112	246571	5.257	ppbV	100
58) ethylbenzene	17.23	91	376929	5.258	ppbV	100
59) m+p-xylene	17.37	91	593634	10.651	ppbV	100
60) bromoform	17.45	173	160432	3.955	ppbV	100
61) styrene	17.65	104	228897	5.301	ppbV	100
62) 1,1,2,2-tetrachloroethane	17.74	83	252216	5.515	ppbV	100
63) o-xylene	17.74	91	307449	5.293	ppbV	99
65) isopropylbenzene	18.18	105	434900	5.102	ppbV	99
66) 4-ethyl toluene	18.66	105	387321M6	4.587	ppbV	
67) 1,3,5-trimethylbenzene	18.72	105	362915	5.237	ppbV	99
69) 1,2,4-trimethylbenzene	19.03	105	373883	5.389	ppbV	95
71) 1,3-dichlorobenzene	19.16	146	279648	5.327	ppbV	100
72) 1,4-dichlorobenzene	19.20	146	282606	5.294	ppbV	92
73) sec-butylbenzene	19.22	105	537952	4.973	ppbV	99
74) p-isopropyltoluene	19.34	119	448315	4.700	ppbV	99
75) 1,2-dichlorobenzene	19.47	146	268005	5.308	ppbV	100
76) n-butylbenzene	19.66	91	456319	5.287	ppbV	100
77) 1,2,4-trichlorobenzene	20.92	180	233874	5.764	ppbV	100
78) naphthalene	21.04	128	535226	5.274	ppbV	100
79) 1,2,3-trichlorobenzene	21.29	180	242190	5.704	ppbV	98
80) hexachlorobutadiene	21.35	225	181410	5.297	ppbV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-2,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

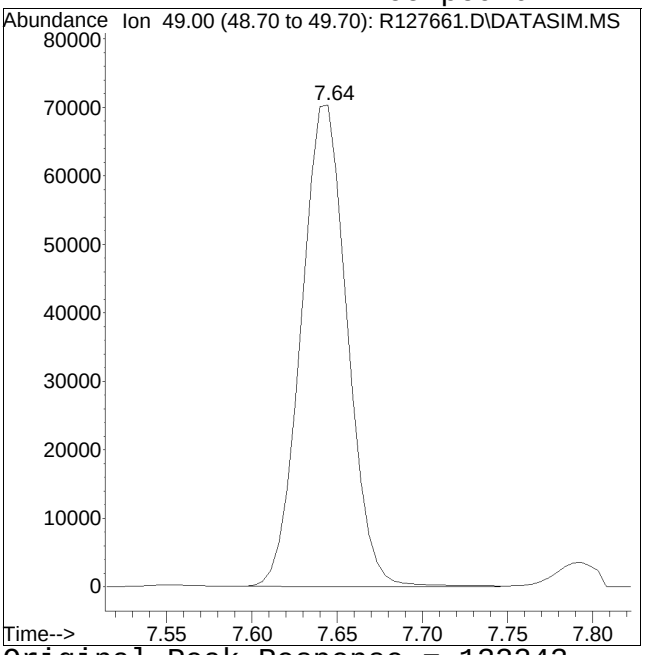


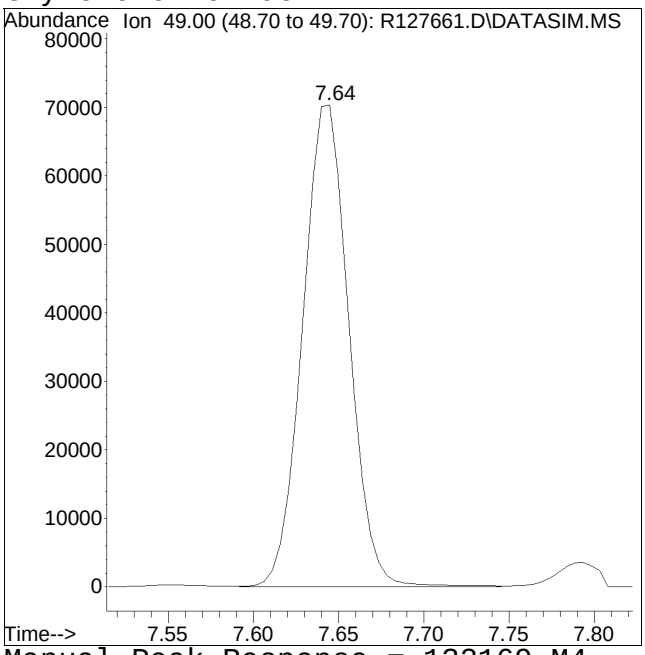
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #17: methylene chloride





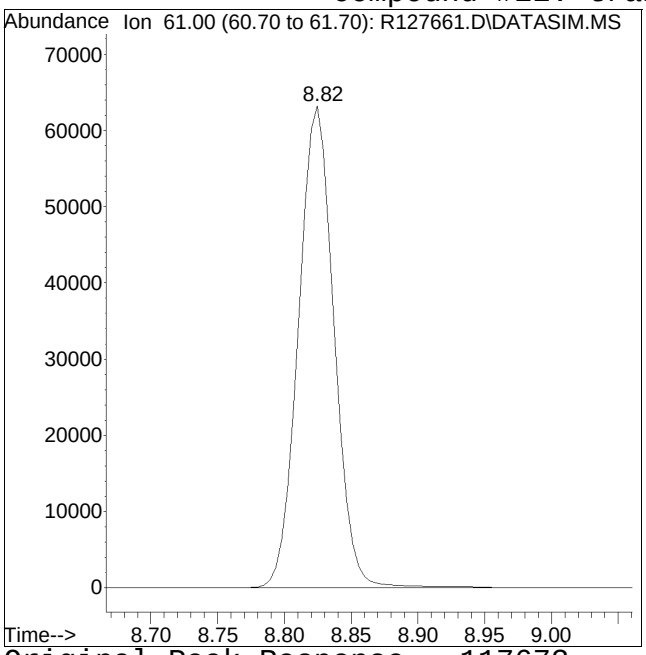
Original Peak Response = 132243 Manual Peak Response = 132169 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

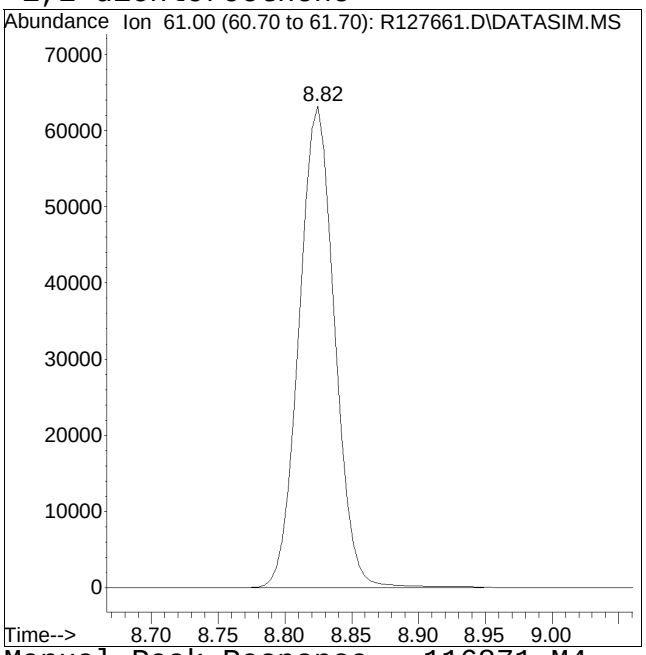
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 117673



Manual Peak Response = 116871 M4

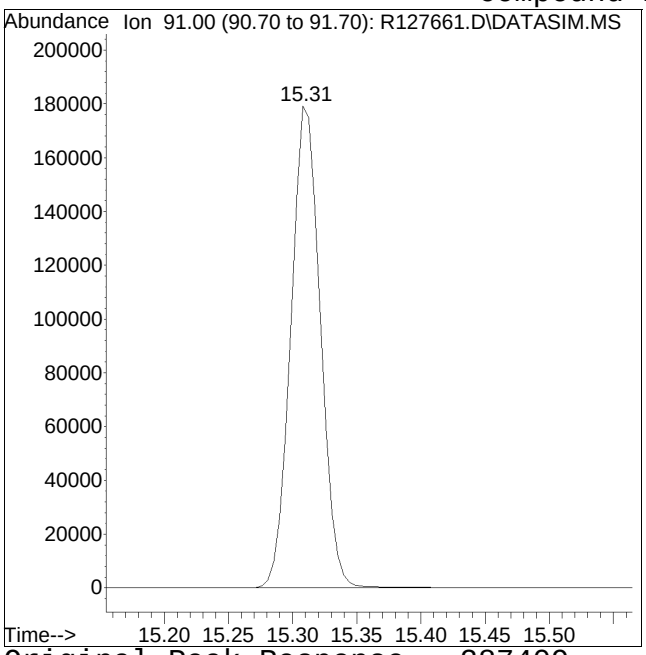
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

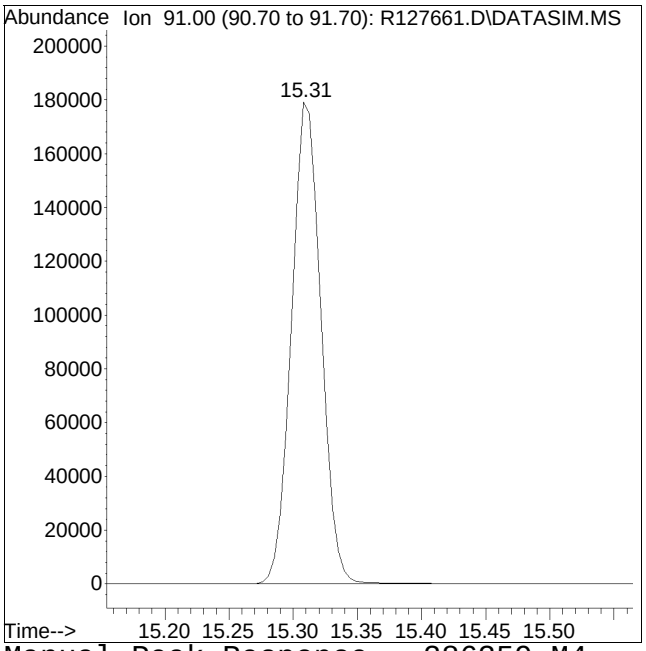
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #50: toluene



Original Peak Response = 287409



Manual Peak Response = 286359 M4

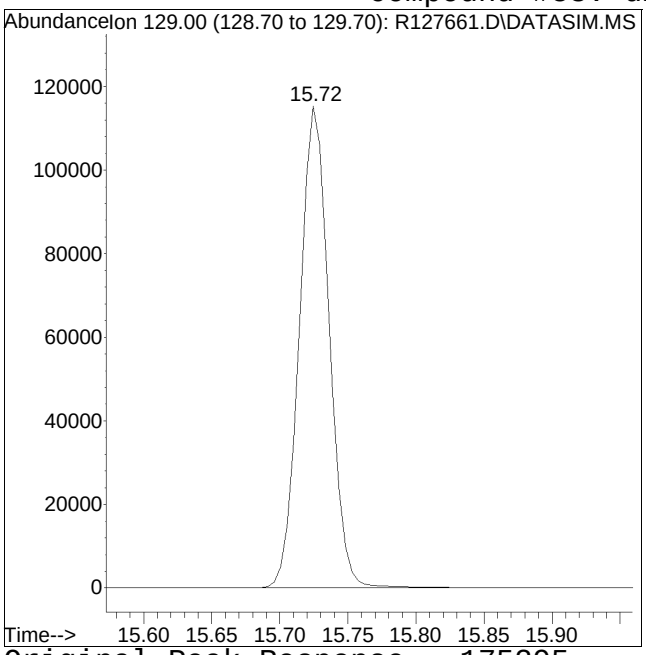
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

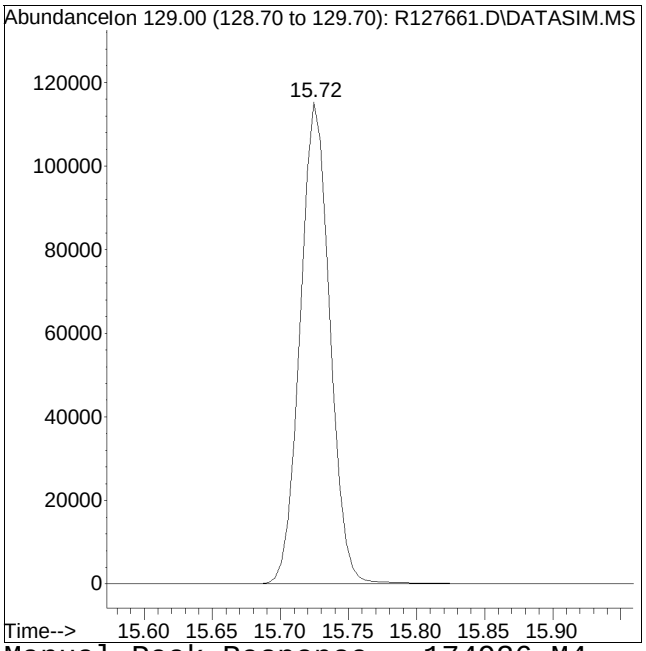
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #53: dibromochloromethane



Original Peak Response = 175295



Manual Peak Response = 174936 M4

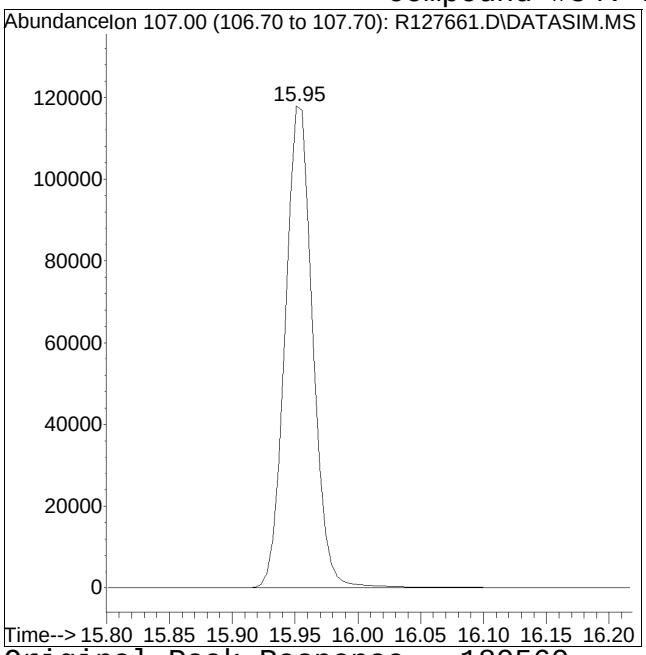
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

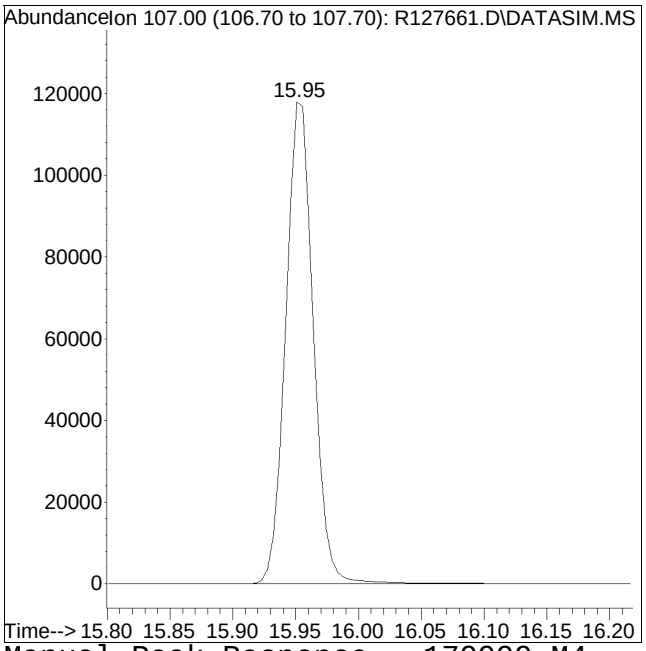
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 180560



Manual Peak Response = 179999 M4

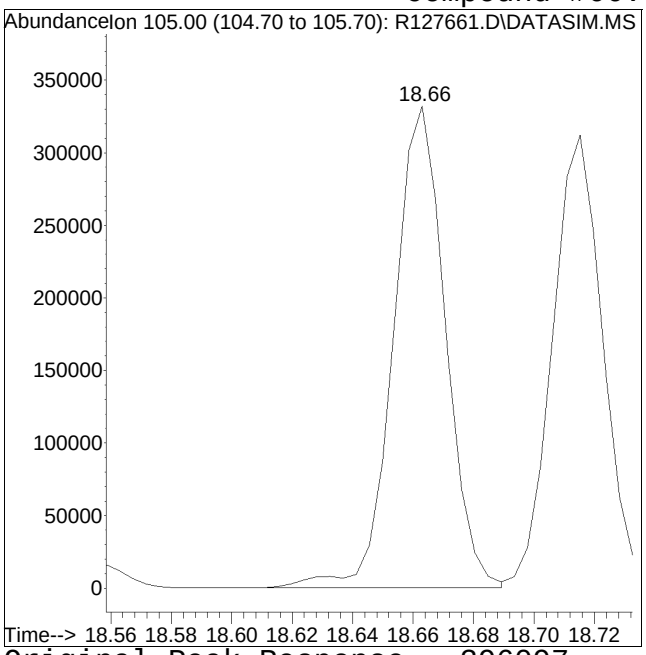
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

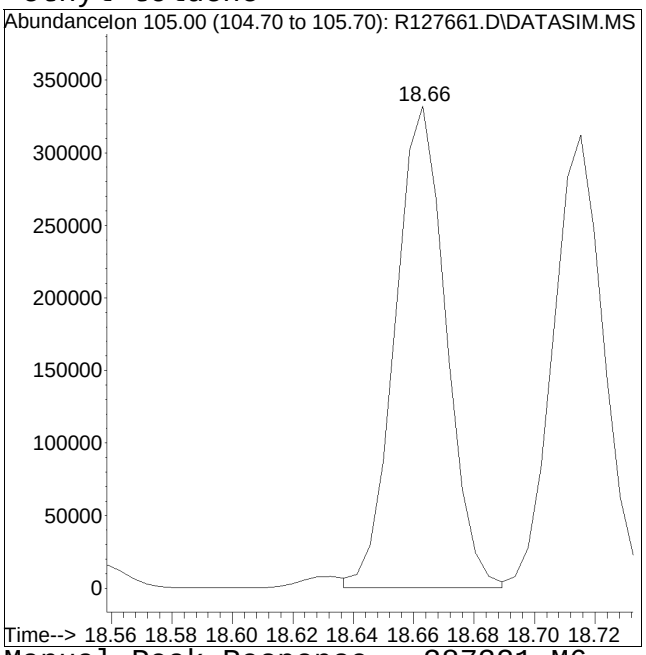
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-2,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #66: 4-ethyl toluene



Original Peak Response = 396097



Manual Peak Response = 387321 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127665.D
Acq On : 15 Apr 2013 4:35 pm
Operator : AIRPIANO1:MB
Sample : L1306330-01,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:21:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	289185	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 104.20%			
32) 1,4-difluorobenzene	12.49	114	590920	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 103.87%			
49) chlorobenzene-D5	16.90	54	144544	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 104.69%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	14311	0.382	ppbV	99
4) chloromethane	4.40	50	5280	0.268	ppbV	100
5) Freon-114	4.55	85	536	0.013	ppbV #	94
6) vinyl chloride	4.71	62	112	0.007	ppbV #	24
7) 1,3-butadiene	4.91	54	3854M4	0.289	ppbV	
8) bromomethane	5.30	94	849	0.057	ppbV #	74
9) chloroethane	5.55	64	198	0.026	ppbV #	7
12) acetone	6.39	43	896581	28.654	ppbV	98
13) trichlorofluoromethane	6.62	101	6739	0.150	ppbV	99
15) acrylonitrile	7.04	53	3013	0.198	ppbV	96
16) 1,1-dichloroethene	7.47		0	N.D.		
17) methylene chloride	7.64	49	17451	0.667	ppbV	99
20) Freon 113	7.99	101	1749	0.056	ppbV	97
22) trans-1,2-dichloroethene	8.76		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D. d		
24) MTBE	0.00		0	N.D. d		
26) 2-butanone	9.56	43	191551	3.906	ppbV	97
27) cis-1,2-dichloroethene	10.12		0	N.D.		
29) chloroform	10.43	83	2514	0.074	ppbV #	63
31) 1,2-dichloroethane	11.28		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	5800	0.183	ppbV	96
36) benzene	12.08	78	40654	0.871	ppbV	99
37) carbon tetrachloride	12.26	117	1331	0.038	ppbV #	71
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	0.00		0	N.D. d		
42) trichloroethene	13.28	130	1101	0.048	ppbV	95
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	23661	0.446	ppbV	98
47) trans-1,3-dichloropropene	14.85		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127665.D
Acq On : 15 Apr 2013 4:35 pm
Operator : AIRPIANO1:MB
Sample : L1306330-01,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:21:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

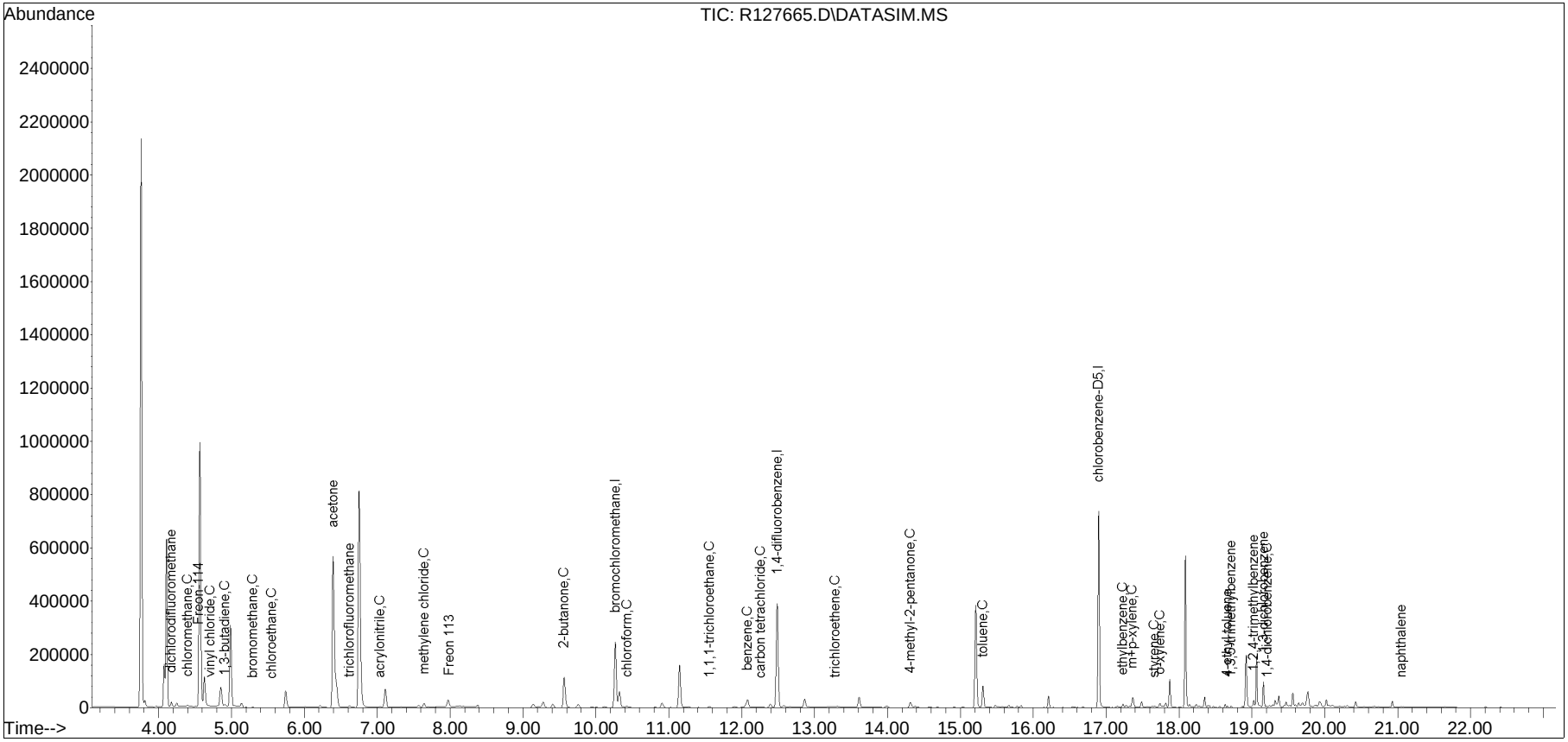
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	71787	1.225	ppbV		100
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.95		0	N.D.			
55) tetrachloroethene	16.36		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	11496	0.153	ppbV		99
59) m+p-xylene	17.36	91	24661	0.423	ppbV		100
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	1217	0.027	ppbV		91
62) 1,1,2,2-tetrachloroethane	17.73		0	N.D.			
63) o-xylene	17.74	91	11282	0.186	ppbV		96
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	4895	0.055	ppbV	#	95
67) 1,3,5-trimethylbenzene	18.72	105	4862	0.067	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.03	105	14727	0.203	ppbV	#	53
71) 1,3-dichlorobenzene	19.16	146	63223	1.150	ppbV		94
72) 1,4-dichlorobenzene	19.21	146	1953M4	0.035	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	4408M6	0.041	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

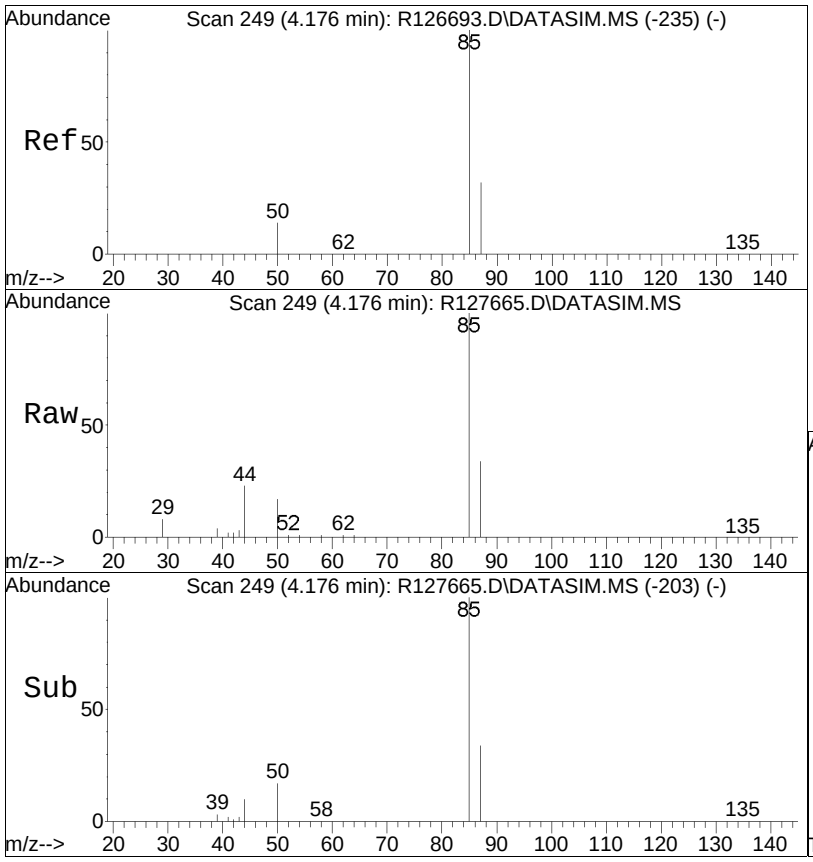
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127665.D
Acq On : 15 Apr 2013 4:35 pm
Operator : AIRPIANO1:MB
Sample : L1306330-01,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:21:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

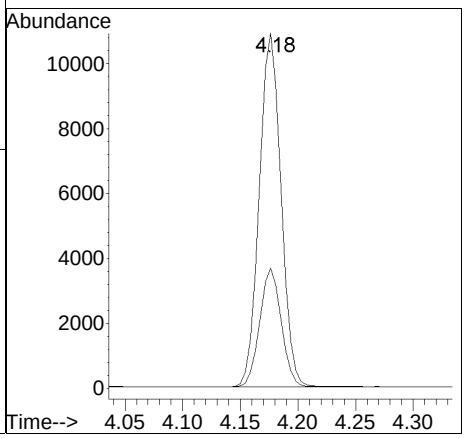


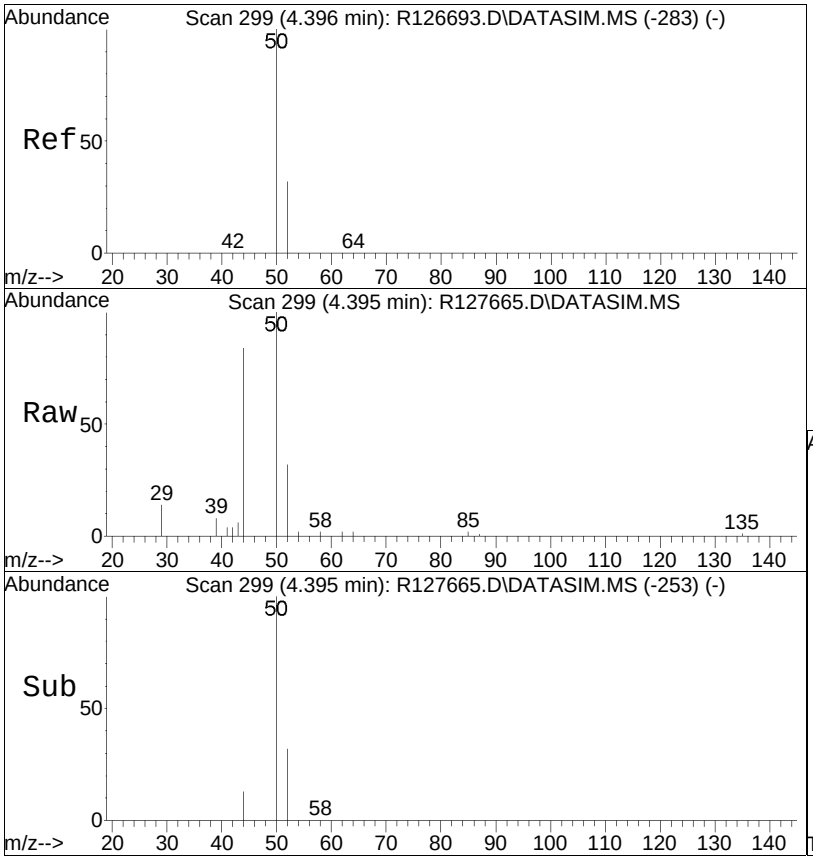


#3
dichlorodifluoromethane
Concen: 0.38 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 85 Resp: 14311

Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.6	40.0

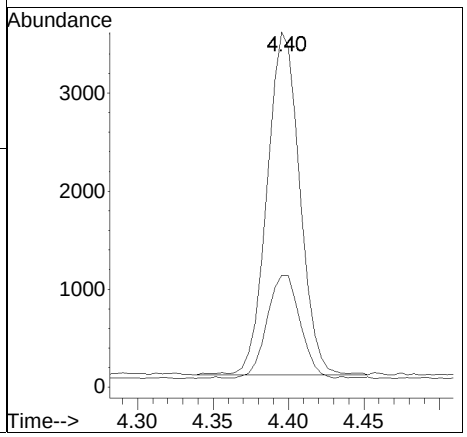


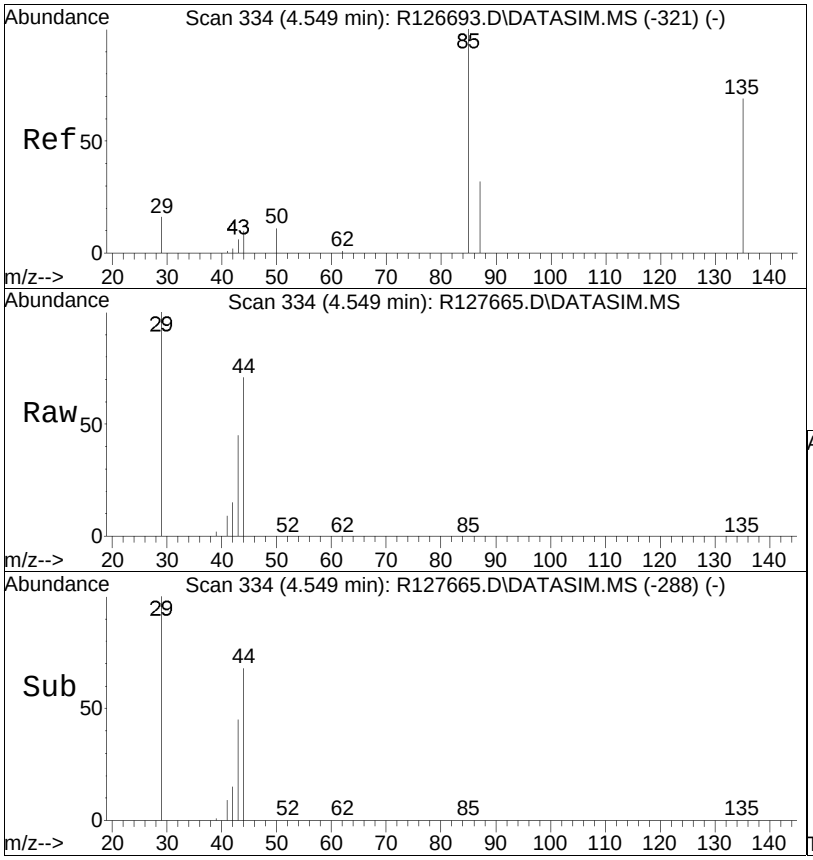


#4
chloromethane
Concen: 0.27 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 50 Resp: 5280

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.3	37.9

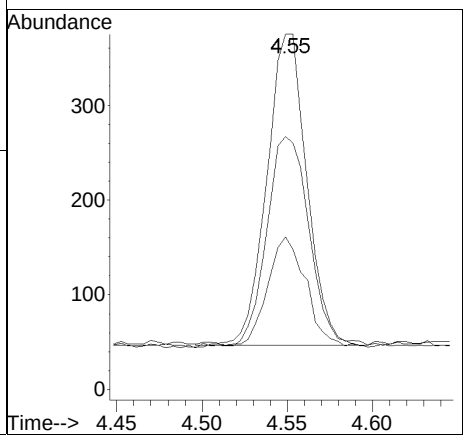


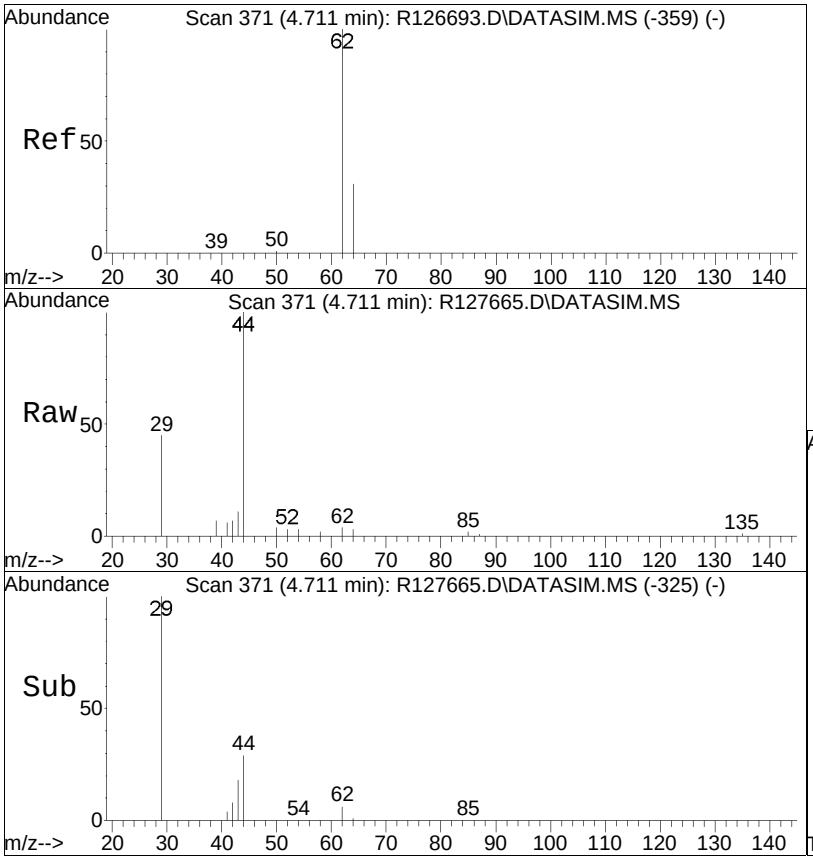


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 85 Resp: 536

Ion	Ratio	Lower	Upper
85	100		
87	42.9	26.5	39.7#
135	71.2	56.9	85.3

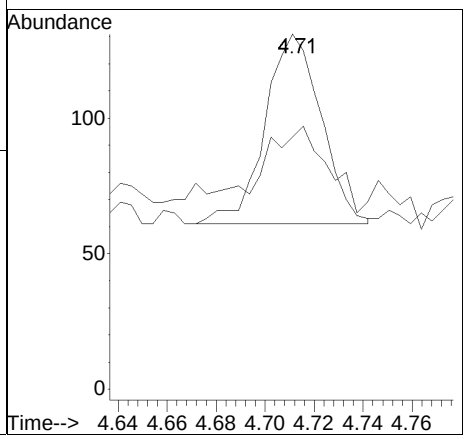


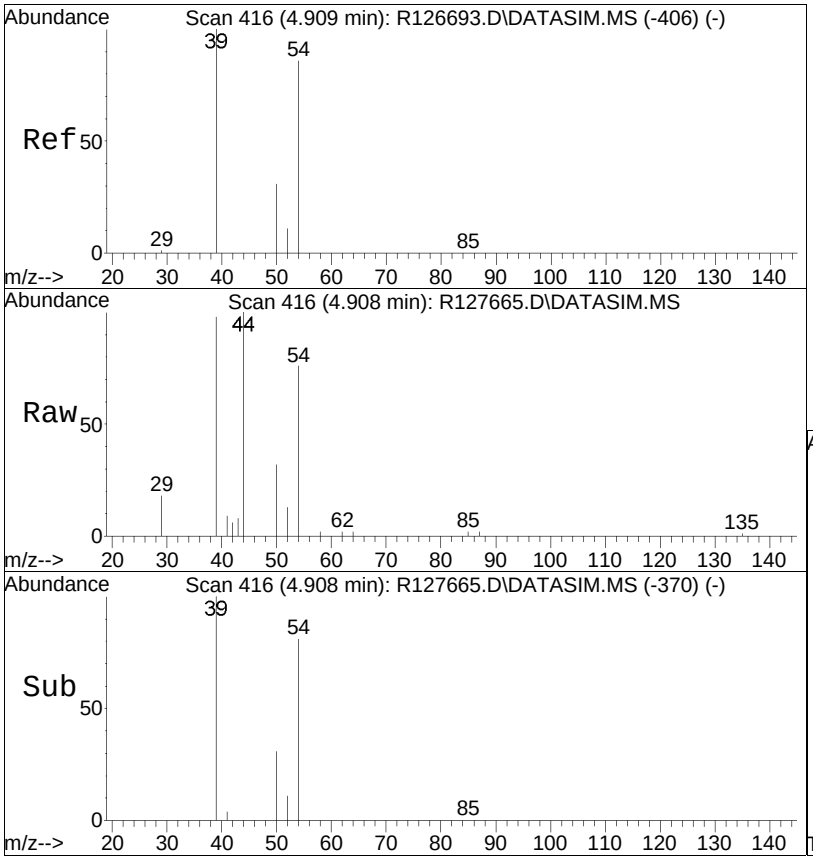


#6
vinyl chloride
Concen: 0.01 ppbV
RT: 4.71 min Scan# 371
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 62 Resp: 112

Ion	Ratio	Lower	Upper
62	100		
64	71.0	24.0	36.0#

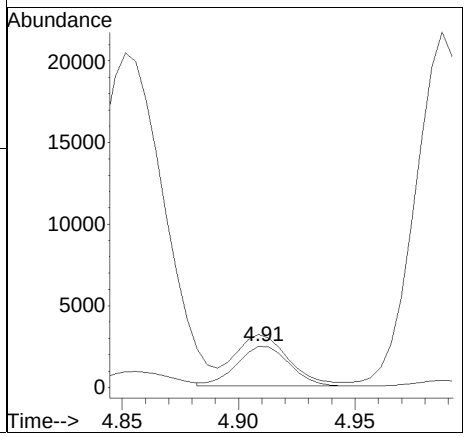


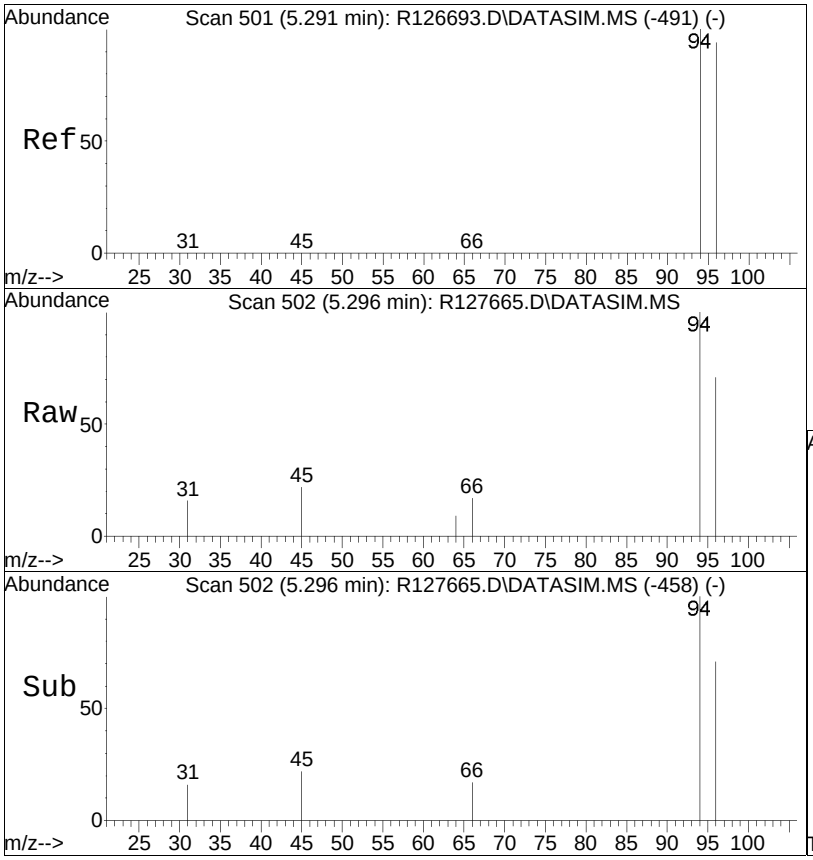


#7
1,3-butadiene
Concen: 0.29 ppbV m
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 54 Resp: 3854

Ion	Ratio	Lower	Upper
54	100		
39	129.3	92.4	138.6

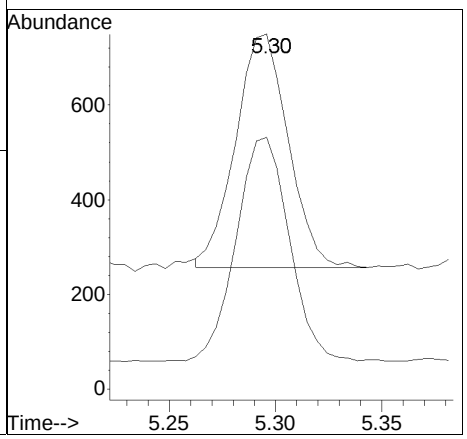


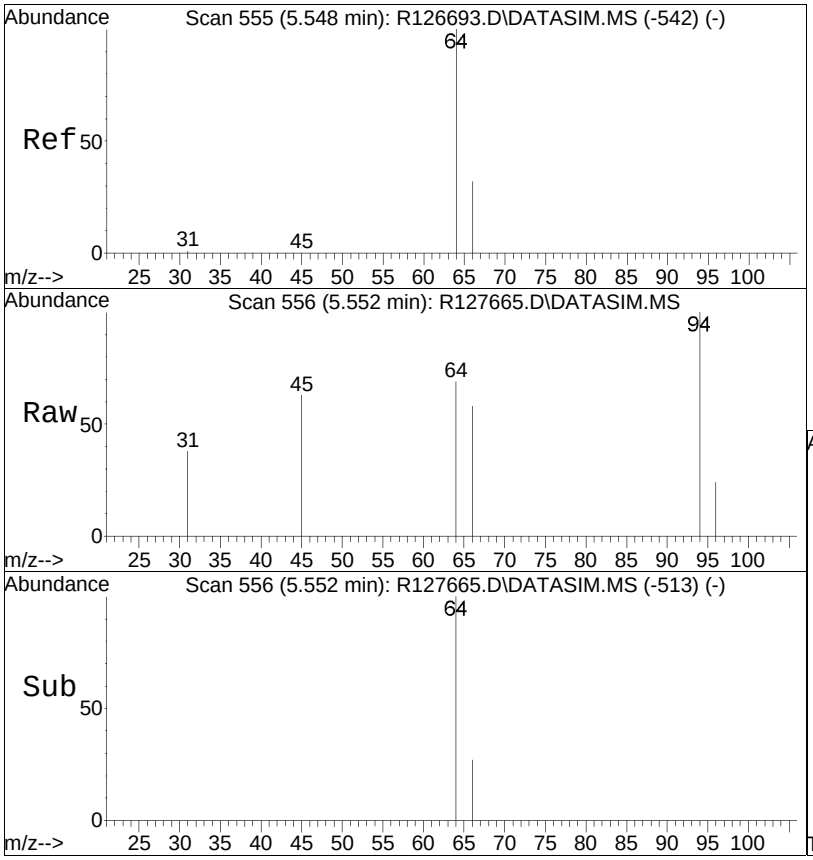


#8
bromomethane
Concen: 0.06 ppbV
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 94 Resp: 849

Ion	Ratio	Lower	Upper
94	100		
96	70.9	76.9	115.3#

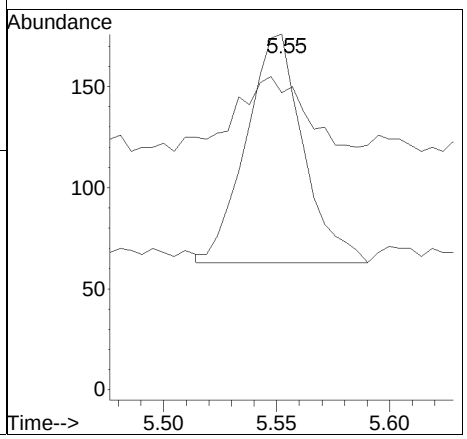


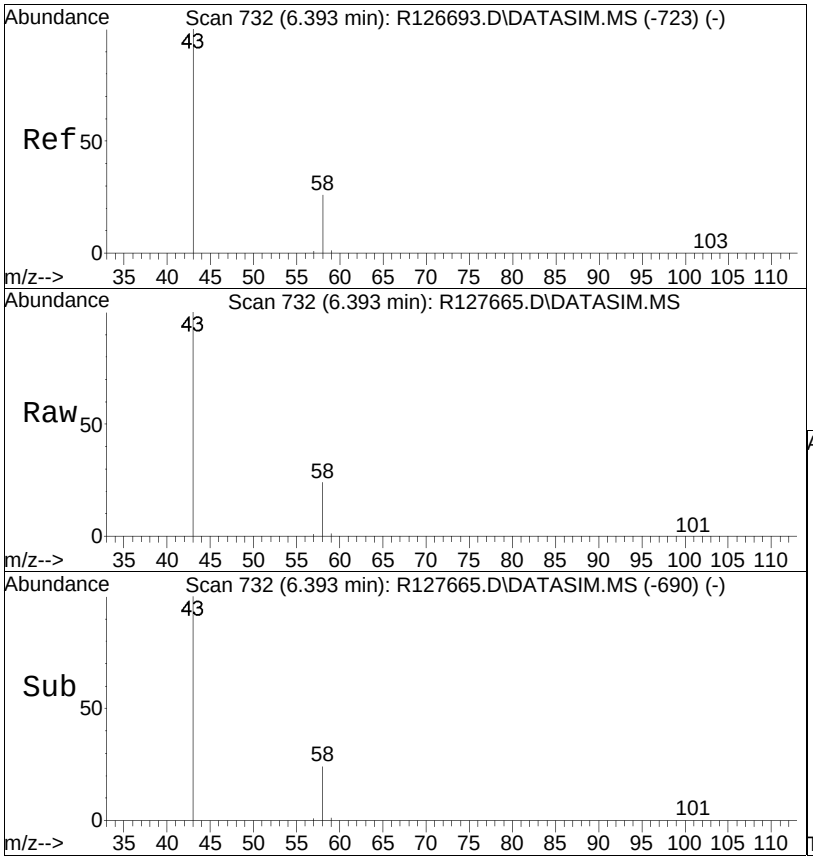


#9
chloroethane
Concen: 0.03 ppbV
RT: 5.55 min Scan# 556
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 64 Resp: 198

Ion	Ratio	Lower	Upper
64	100		
66	83.5	25.5	38.3#

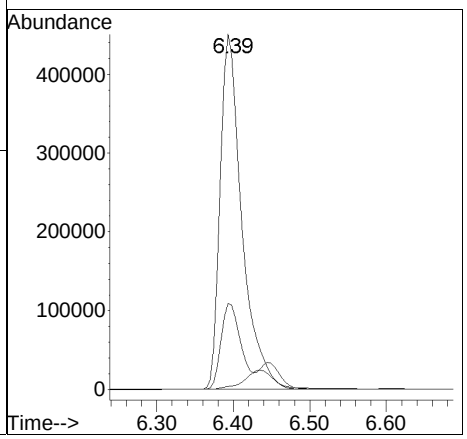


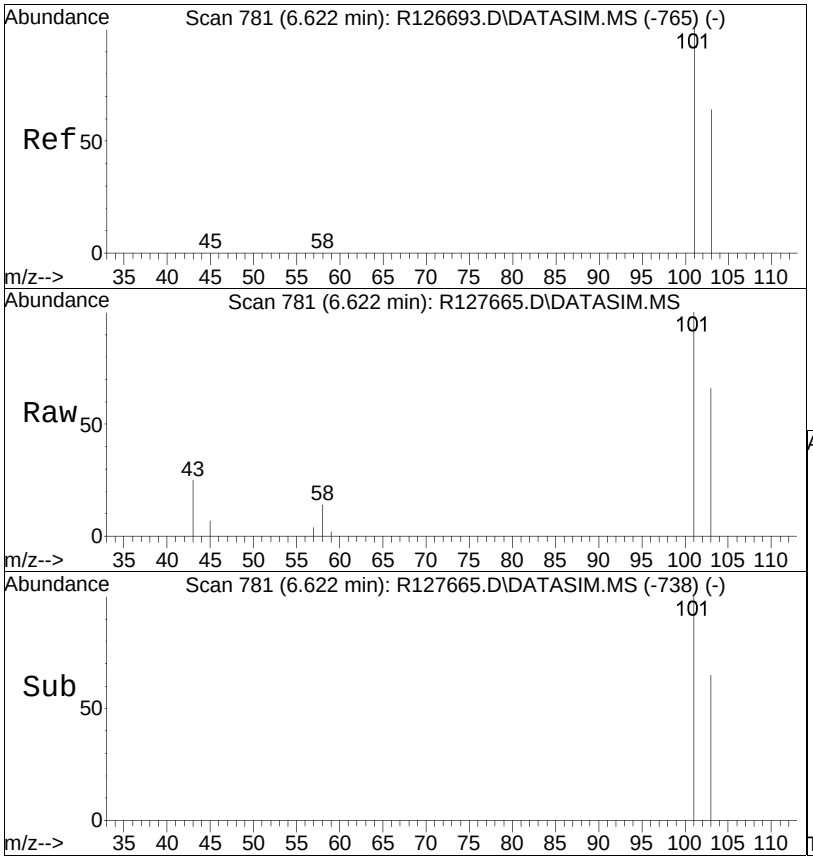


#12
acetone
Concen: 28.65 ppbV
RT: 6.39 min Scan# 732
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 43 Resp: 896581

Ion	Ratio	Lower	Upper
43	100		
58	24.2	20.0	30.0
57	0.8	0.6	1.0

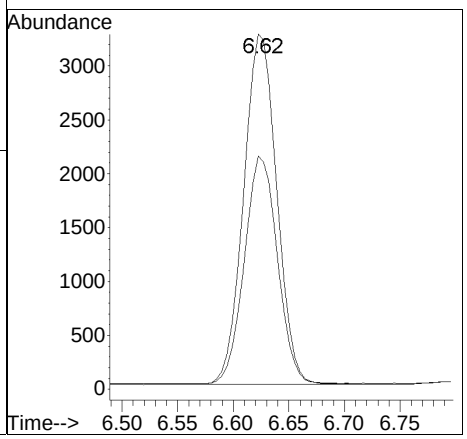


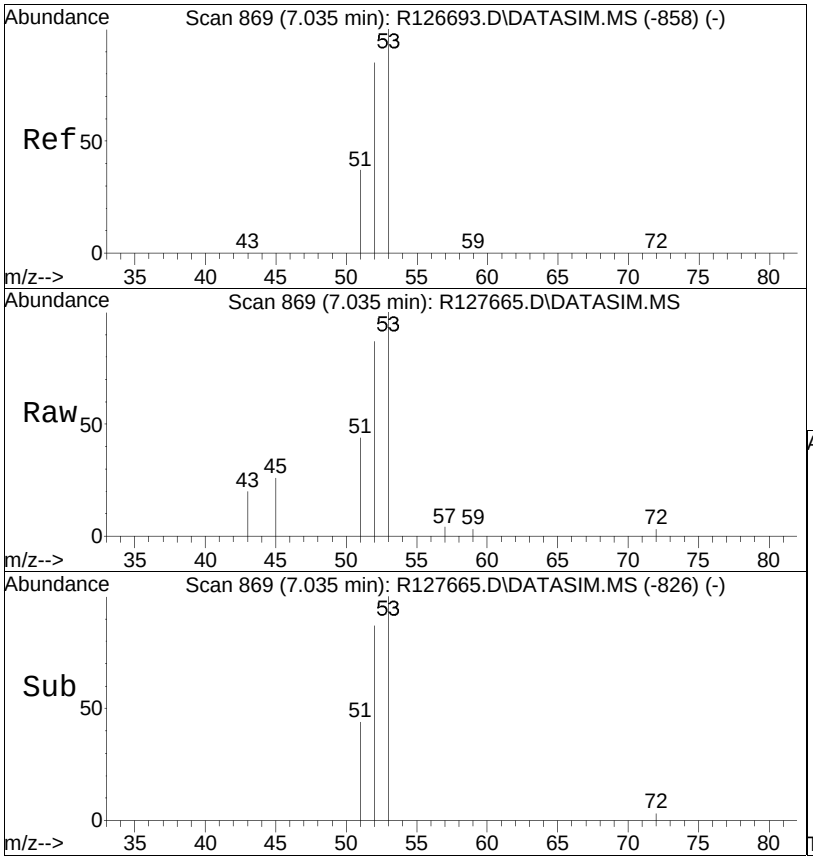


#13
trichlorofluoromethane
Concen: 0.15 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:101 Resp: 6739

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.6	77.4

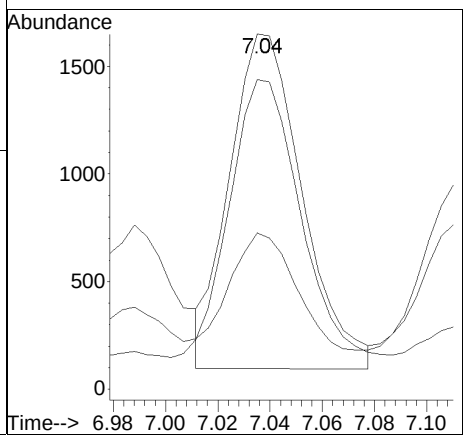


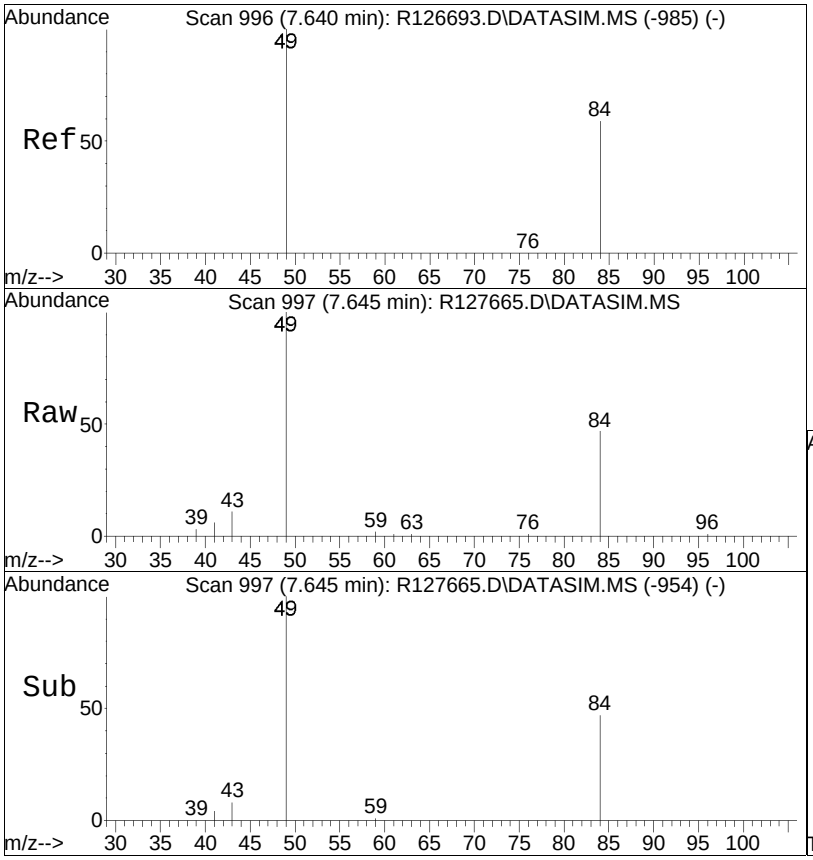


#15
acrylonitrile
Concen: 0.20 ppbV
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 53 Resp: 3013

Ion	Ratio	Lower	Upper
53	100		
52	87.2	68.5	102.7
51	44.0	30.1	45.1

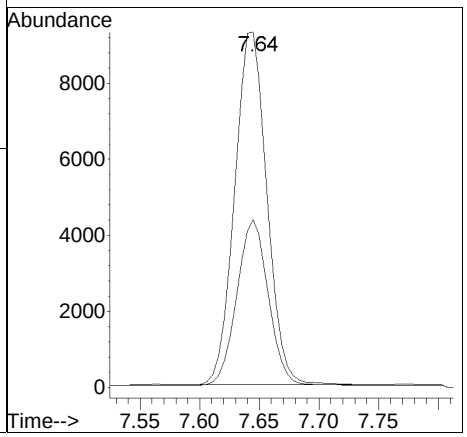


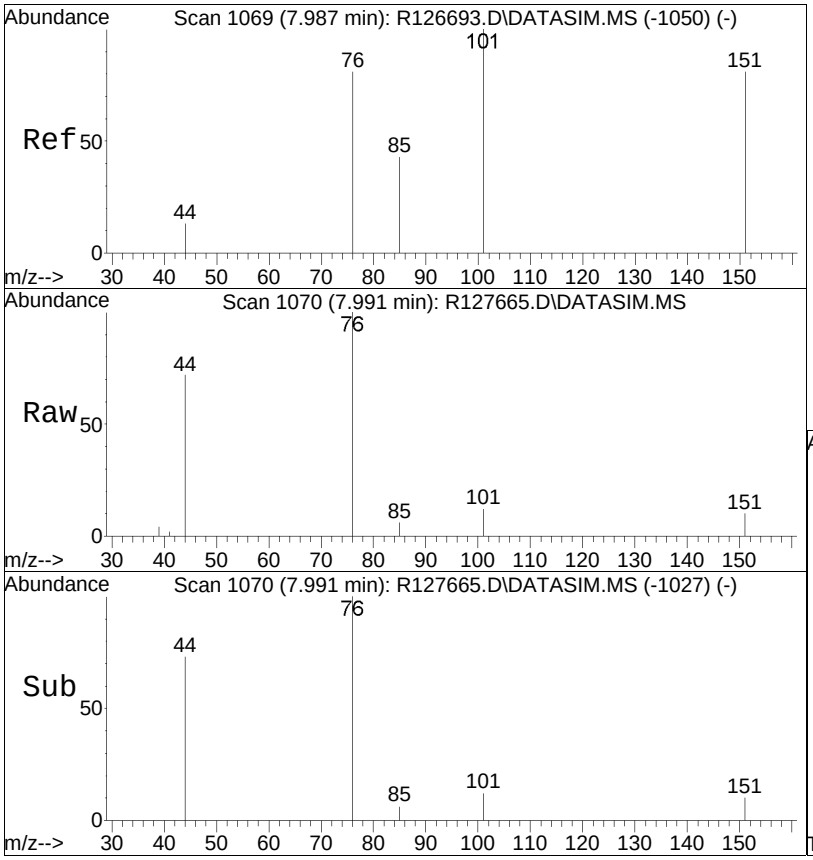


#17
methylene chloride
Concen: 0.67 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 49 Resp: 17451

Ion	Ratio	Lower	Upper
49	100		
84	47.2	37.2	55.8

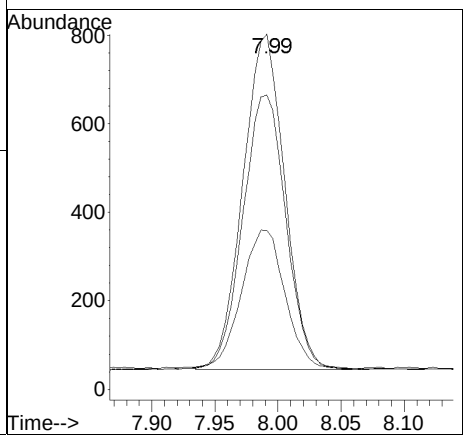


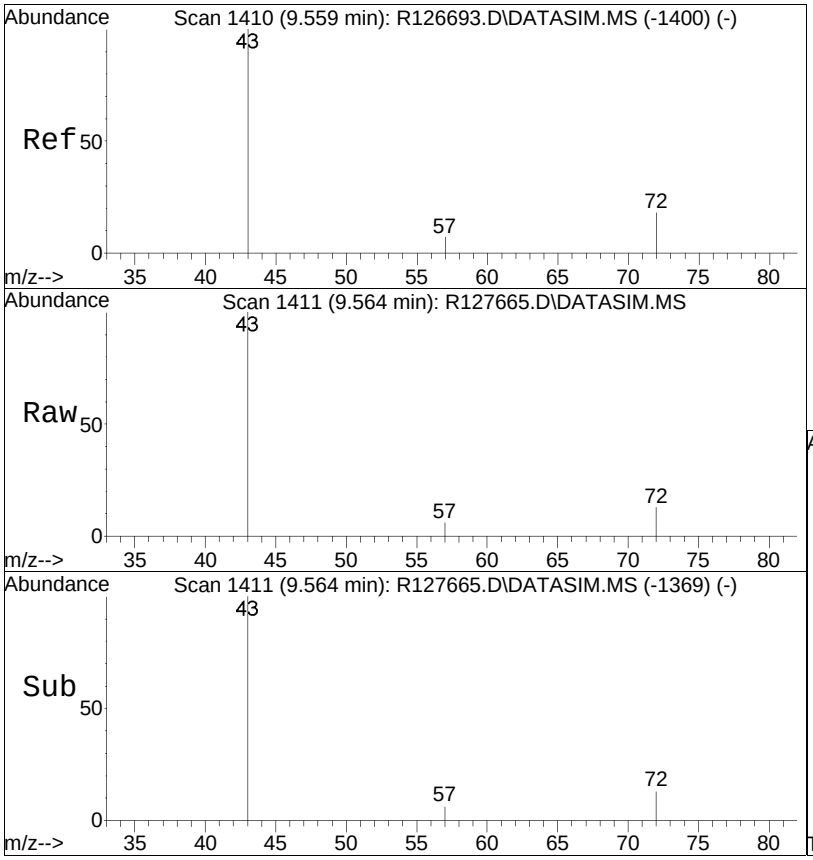


#20
Freon 113
Concen: 0.06 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:101 Resp: 1749

Ion	Ratio	Lower	Upper
101	100		
85	44.7	34.2	51.2
151	82.8	67.8	101.8

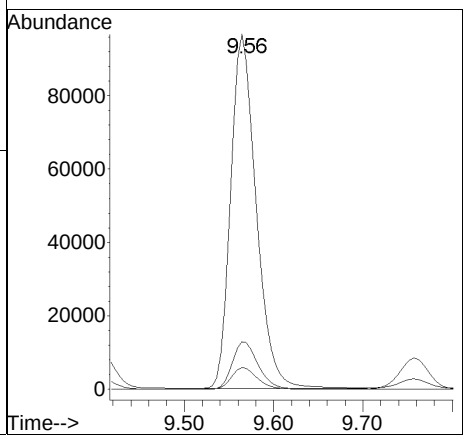


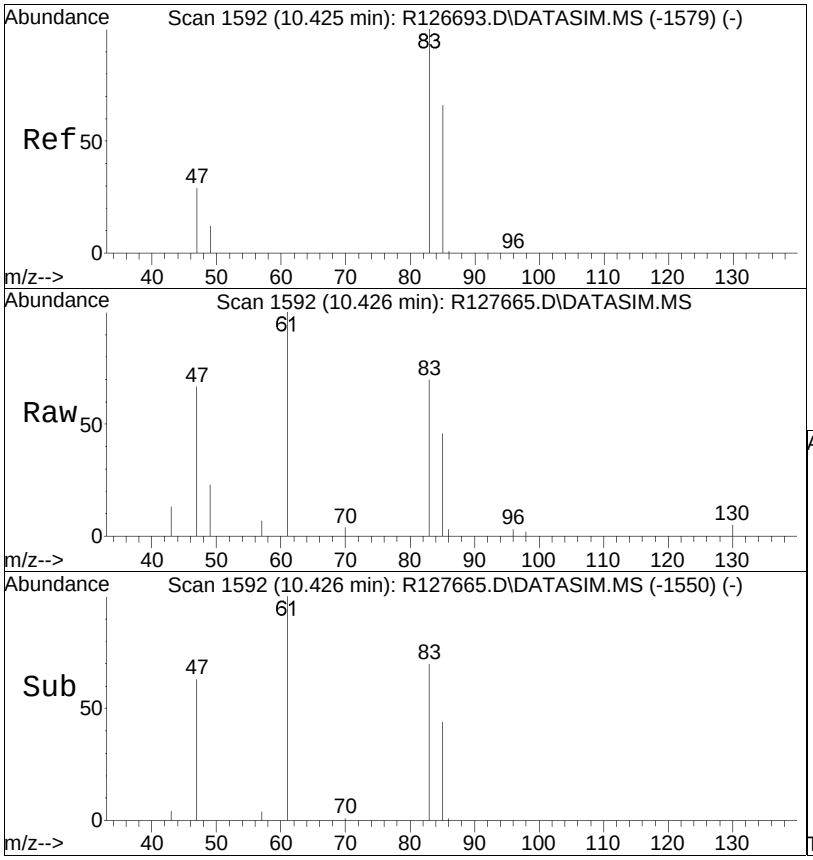


#26
2-butanone
Concen: 3.91 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 43 Resp: 191551

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	6.2	5.2	7.8

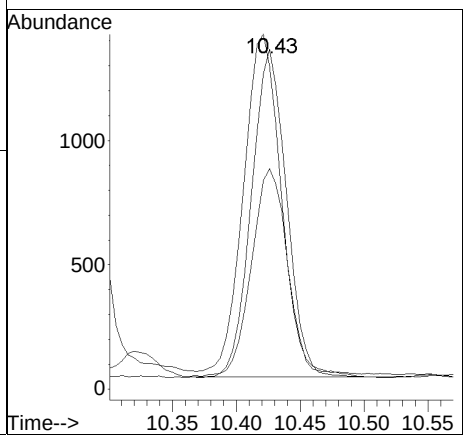


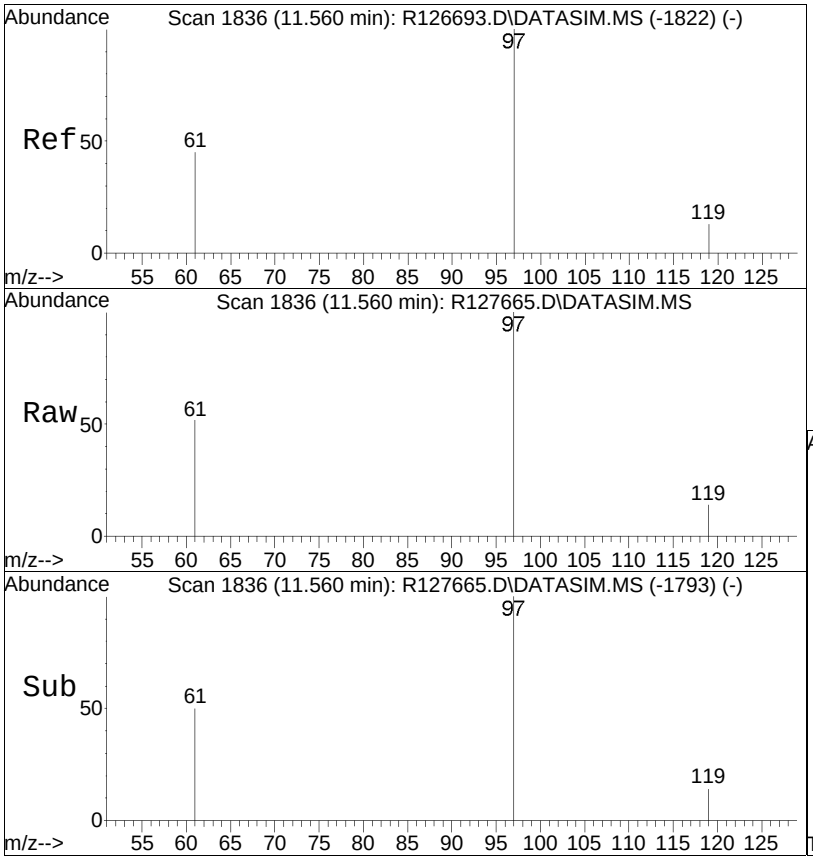


#29
chloroform
Concen: 0.07 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 83 Resp: 2514

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2
47	95.2	26.4	39.6#

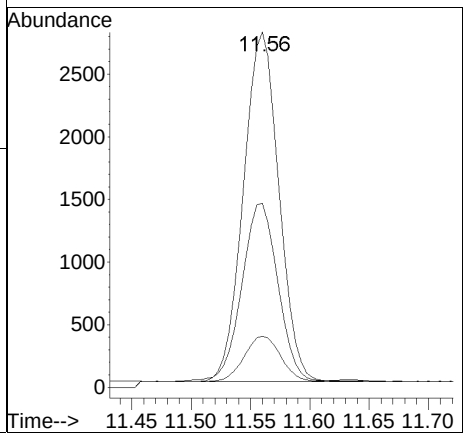


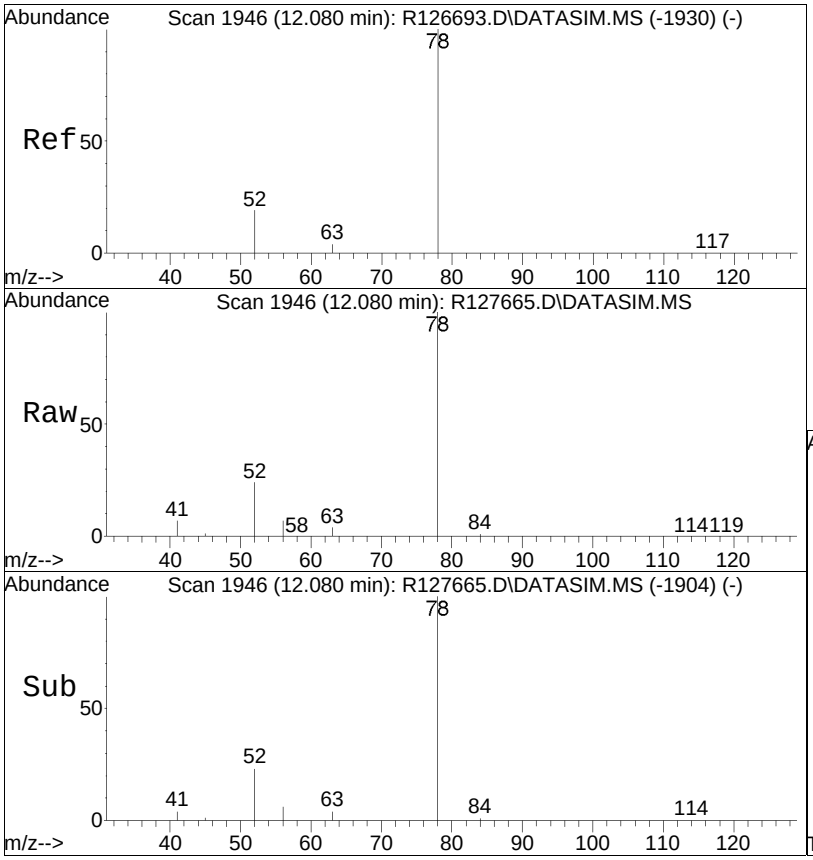


#35
1,1,1-trichloroethane
Concen: 0.18 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 97 Resp: 5800

Ion	Ratio	Lower	Upper
97	100		
61	51.9	38.6	58.0
119	14.4	11.0	16.6

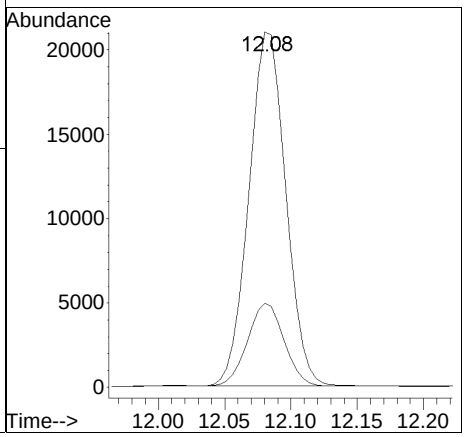


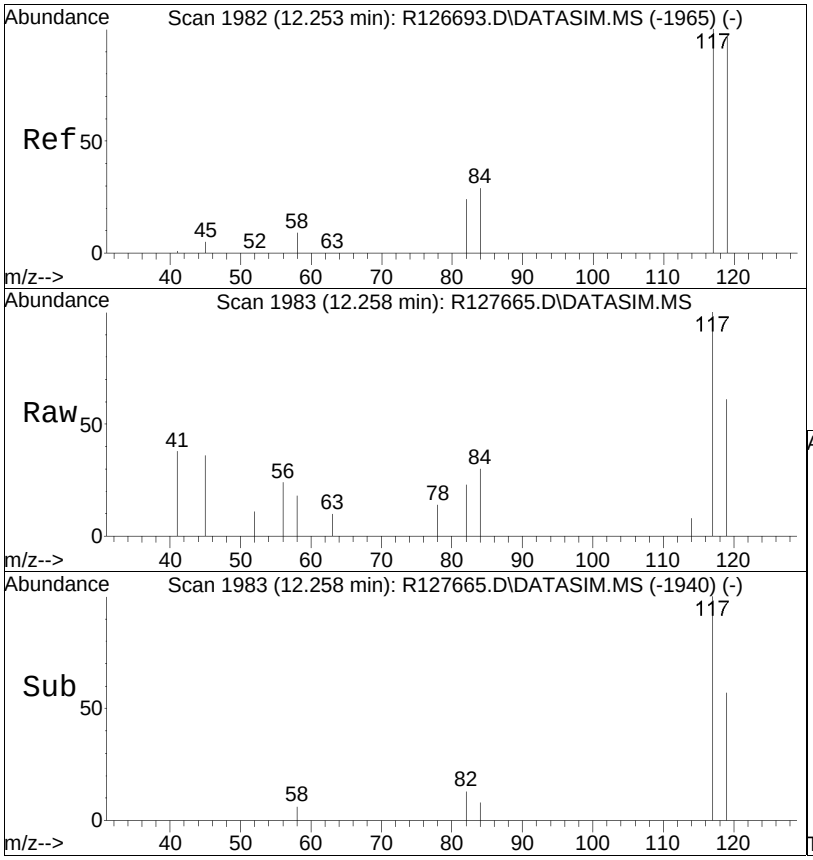


#36
benzene
Concen: 0.87 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 78 Resp: 40654

Ion	Ratio	Lower	Upper
78	100		
52	23.7	18.5	27.7

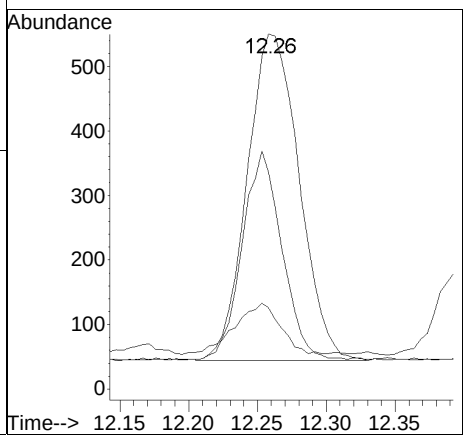


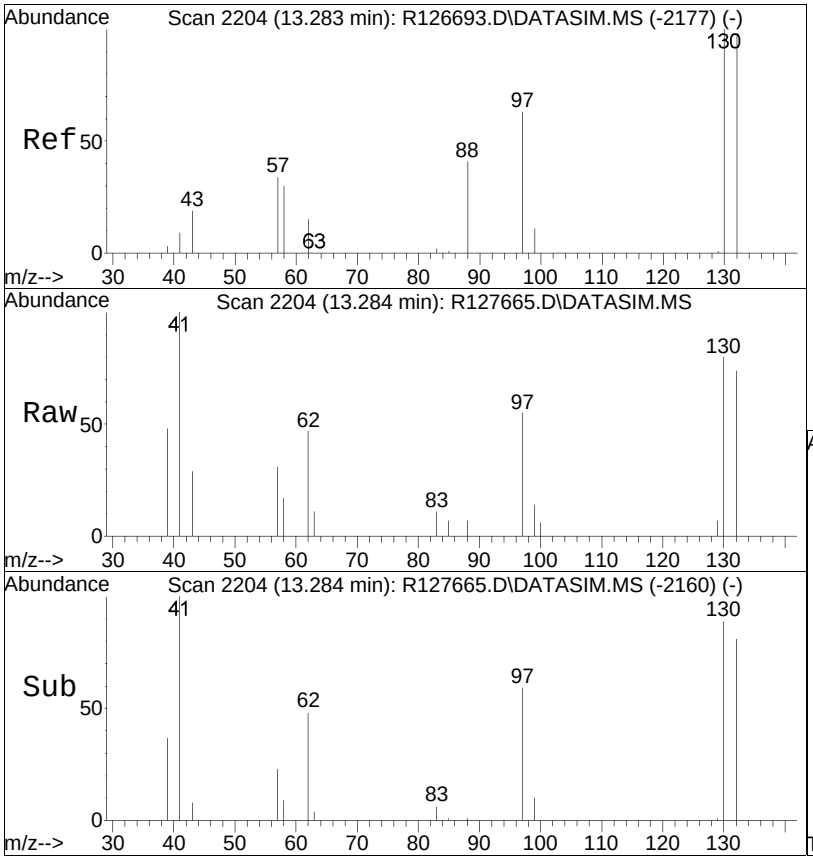


#37
carbon tetrachloride
Concen: 0.04 ppbV
RT: 12.26 min Scan# 1983
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:117 Resp: 1331

Ion	Ratio	Lower	Upper
117	100		
119	61.1	77.4	116.0#
82	22.9	18.2	27.2

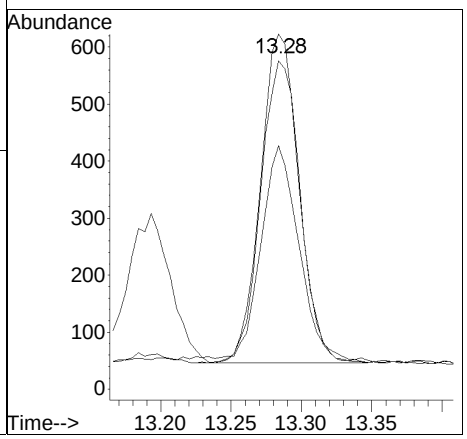


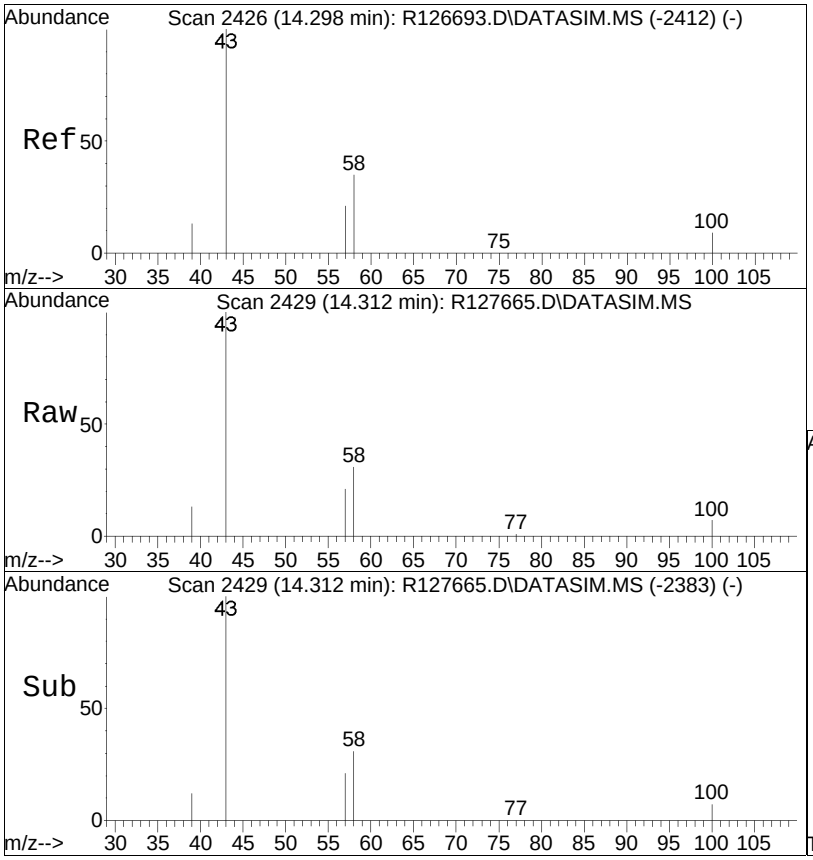


#42
trichloroethene
Concen: 0.05 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:130 Resp: 1101

Ion	Ratio	Lower	Upper
130	100		
132	92.5	77.3	115.9
97	68.5	50.6	75.8

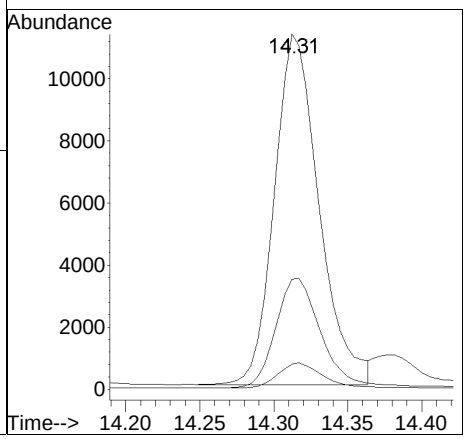


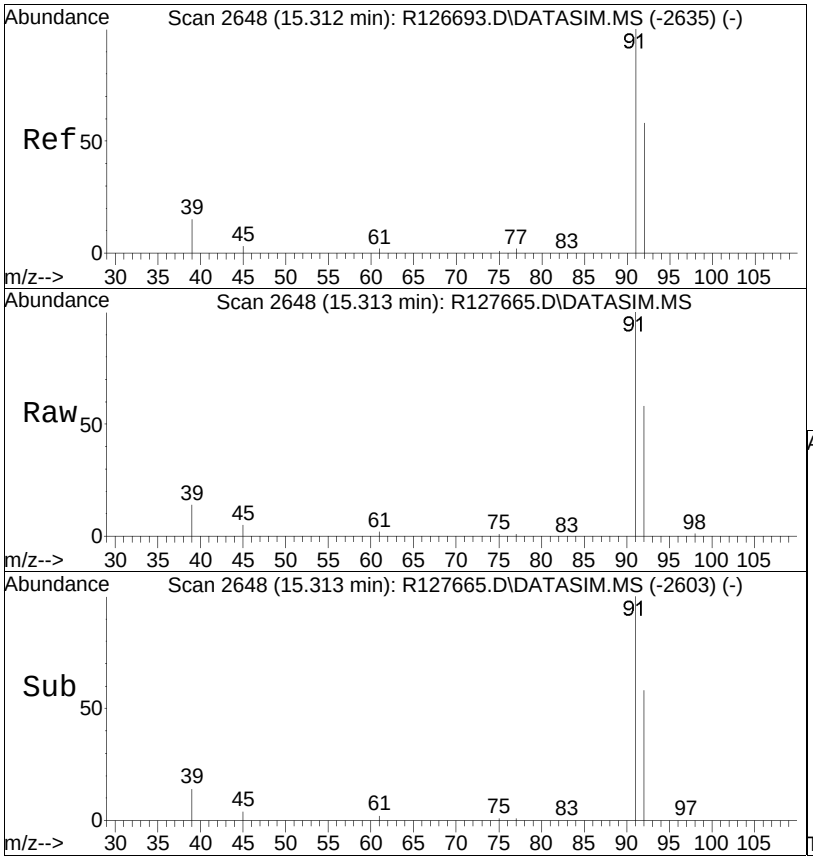


#46
4-methyl-2-pentanone
Concen: 0.45 ppbV
RT: 14.31 min Scan# 2429
Delta R.T. 0.014 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 43 Resp: 23661

Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.0	39.0
100	7.2	5.8	8.6

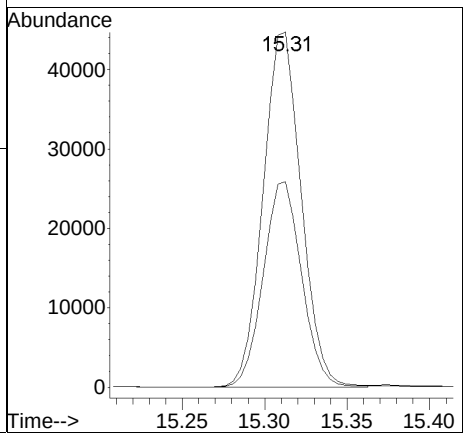


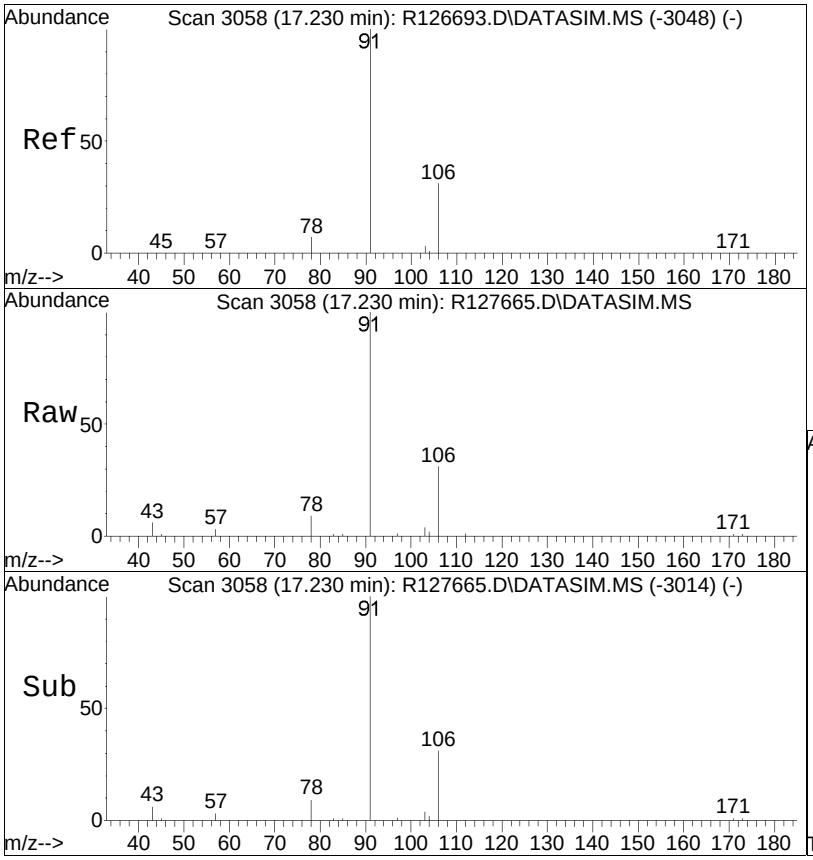


#50
toluene
Concen: 1.23 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.4	69.6

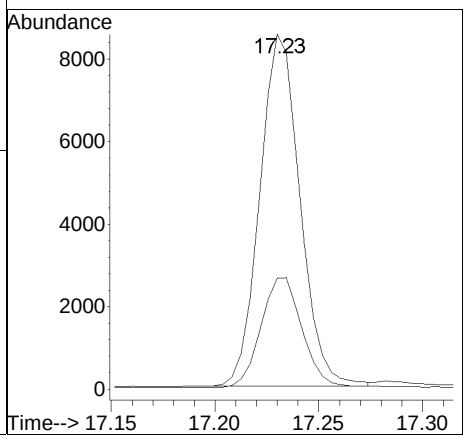


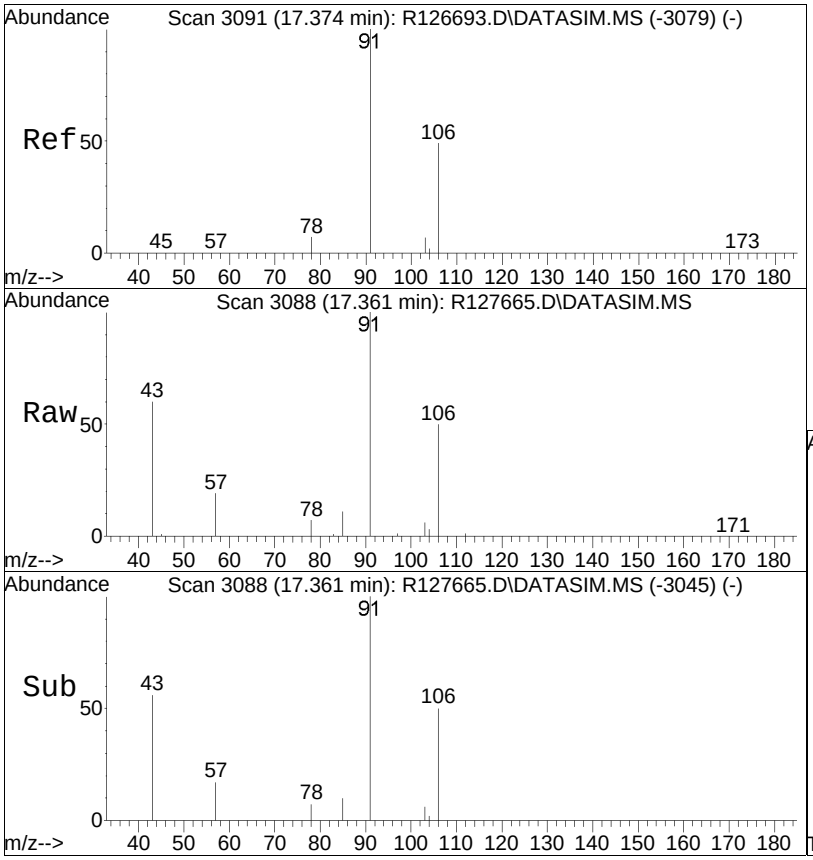


#58
ethylbenzene
Concen: 0.15 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 91 Resp: 11496

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

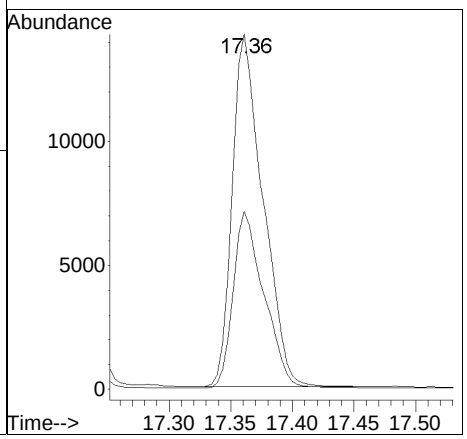


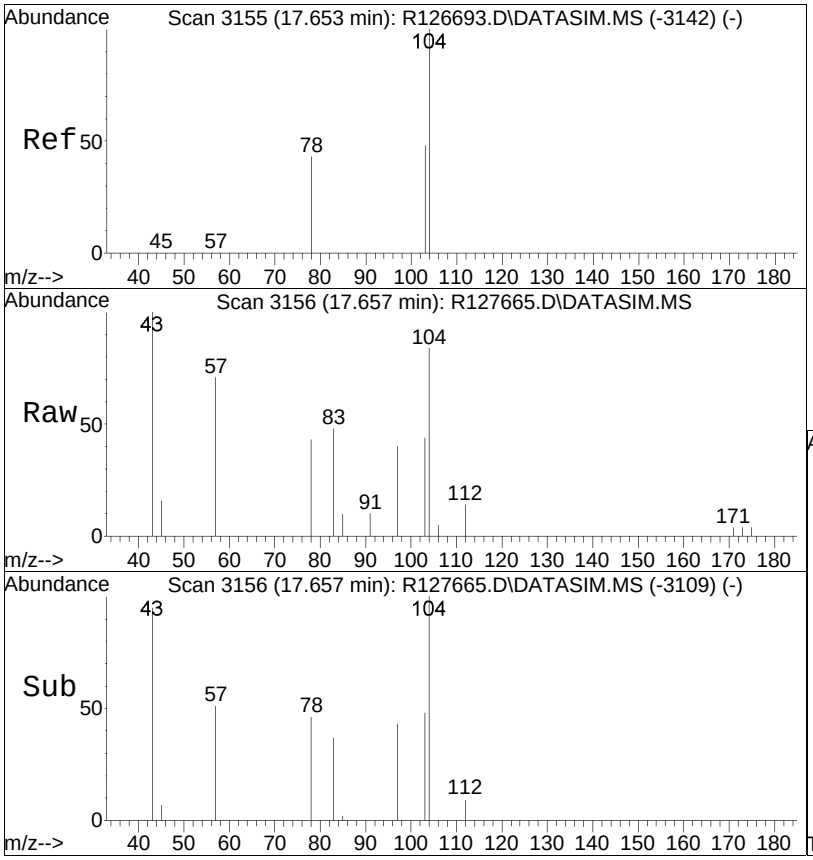


#59
m+p-xylene
Concen: 0.42 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 91 Resp: 24661

Ion	Ratio	Lower	Upper
91	100		
106	50.1	40.0	60.0

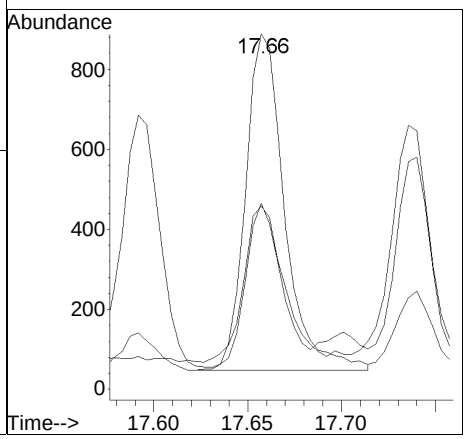


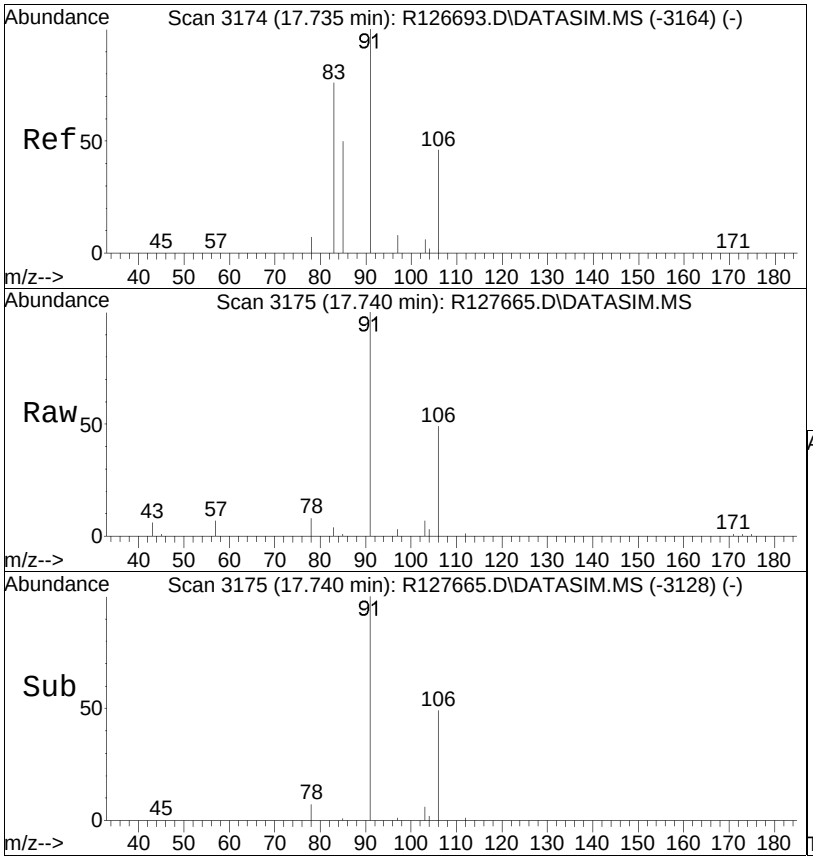


#61
styrene
Concen: 0.03 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:104 Resp: 1217

Ion	Ratio	Lower	Upper
104	100		
103	52.4	38.3	57.5
78	51.6	35.0	52.6

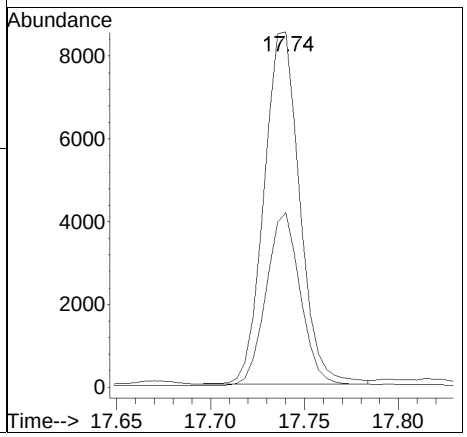


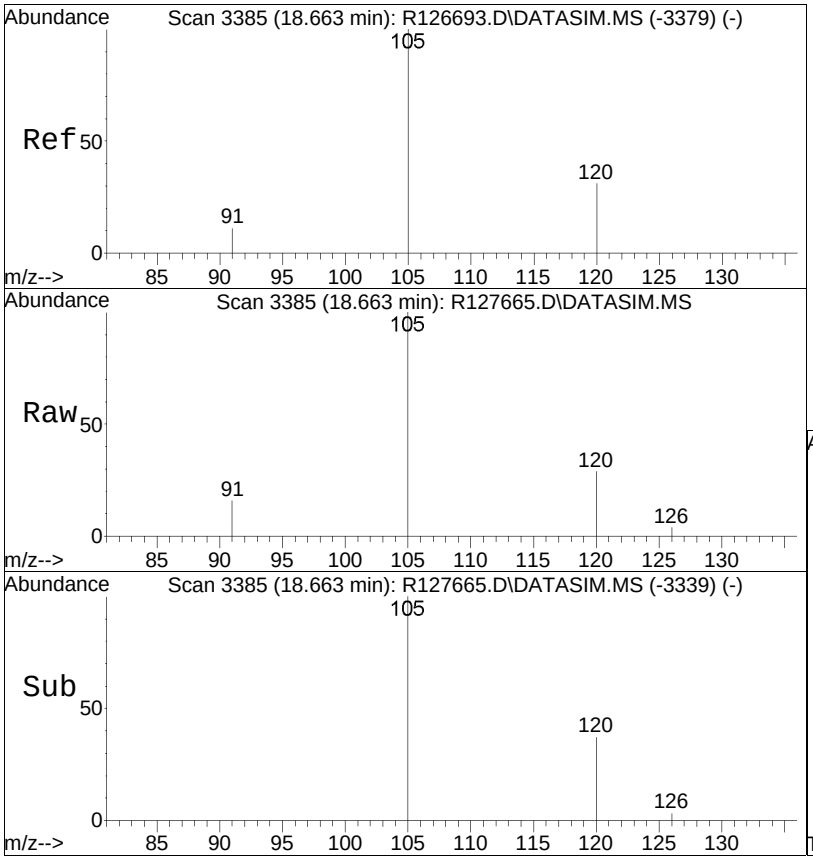


#63
o-xylene
Concen: 0.19 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion: 91 Resp: 11282

Ion	Ratio	Lower	Upper
91	100		
106	49.2	37.1	55.7

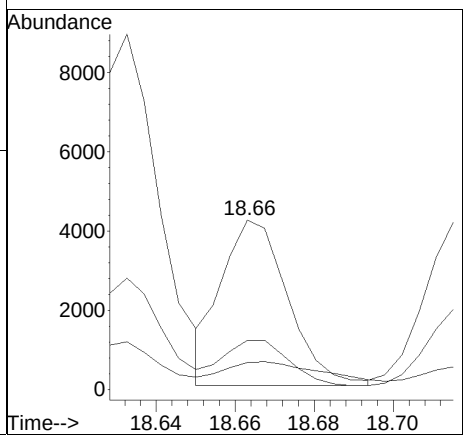


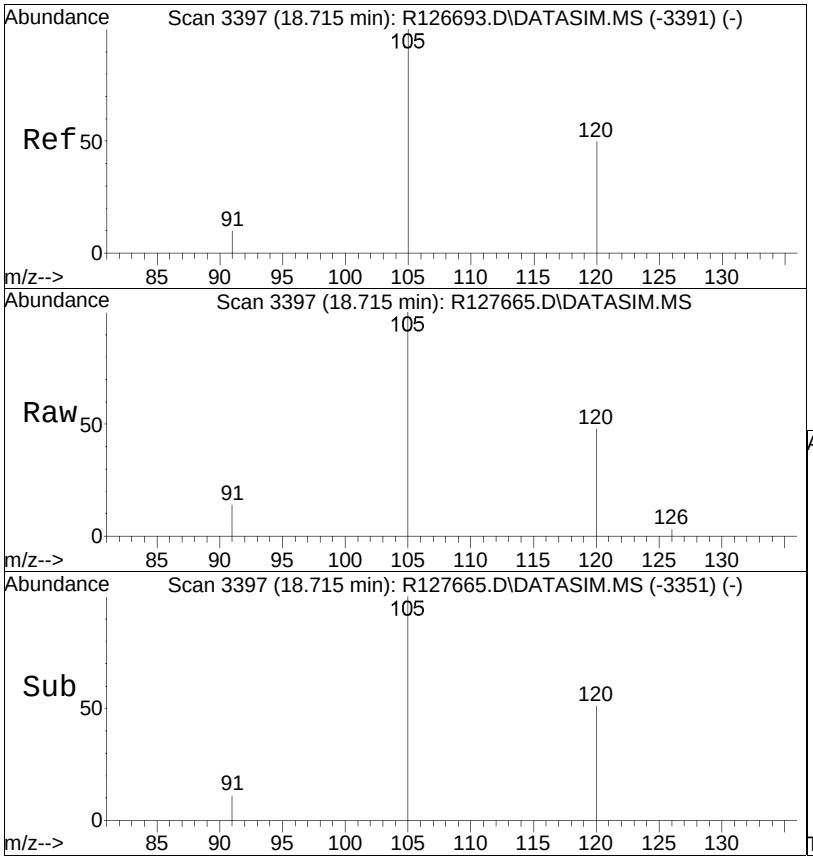


#66
4-ethyl toluene
Concen: 0.06 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:105 Resp: 4895

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.7	35.5
91	15.9	8.5	12.7#

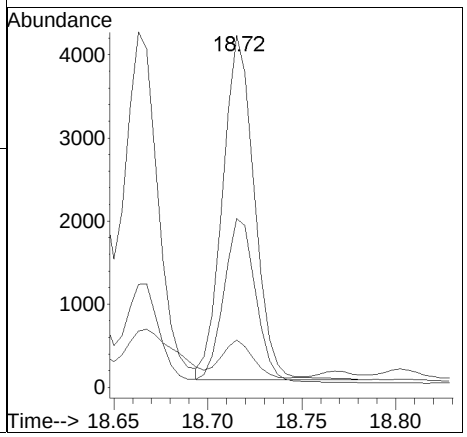


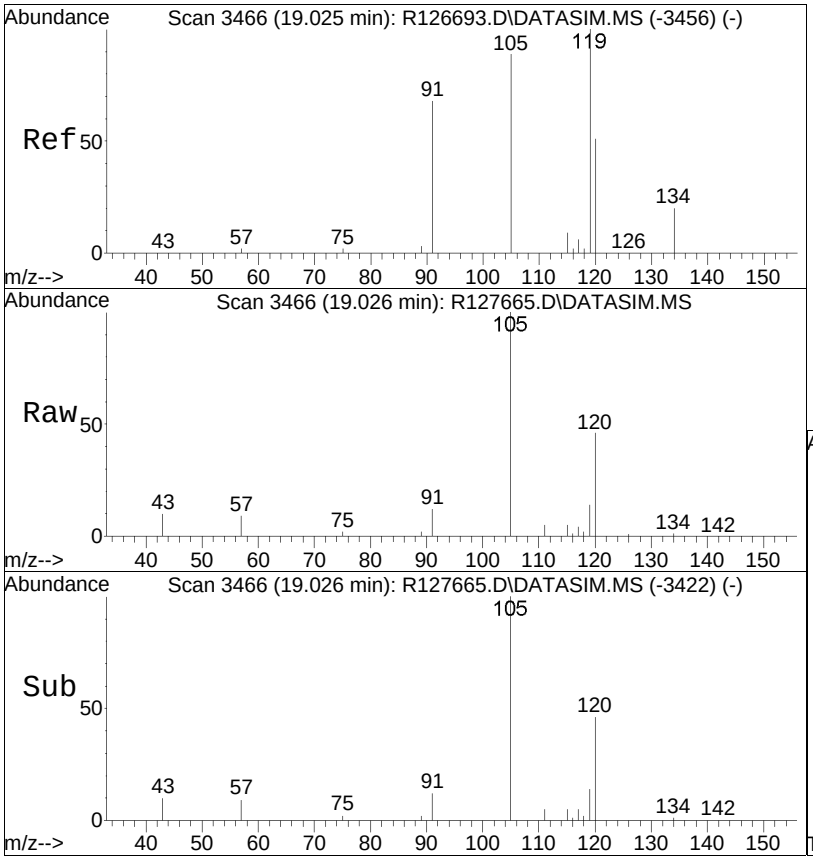


#67
1,3,5-trimethylbenzene
Concen: 0.07 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:105 Resp: 4862

Ion	Ratio	Lower	Upper
105	100		
120	48.0	39.0	58.4
91	13.5	8.0	12.0#

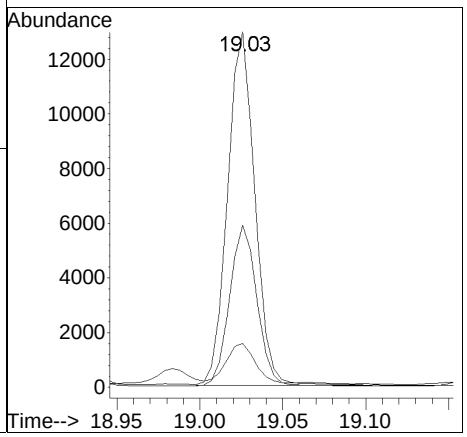


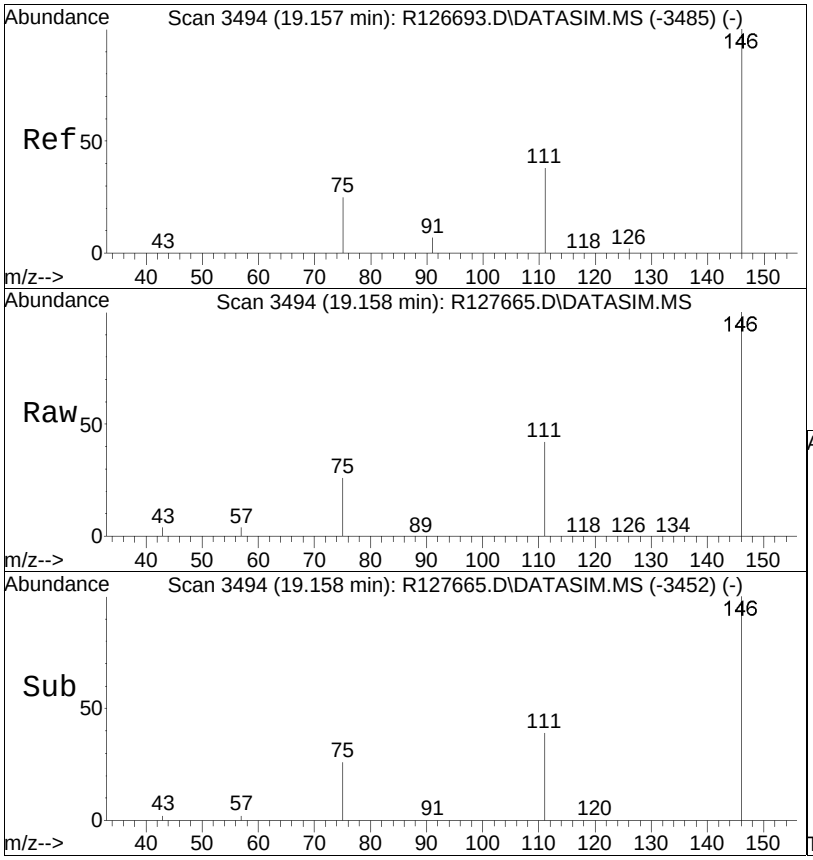


#69
1,2,4-trimethylbenzene
Concen: 0.20 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:105 Resp: 14727

Ion	Ratio	Lower	Upper
105	100		
120	45.7	44.9	67.3
91	12.4	58.6	88.0#

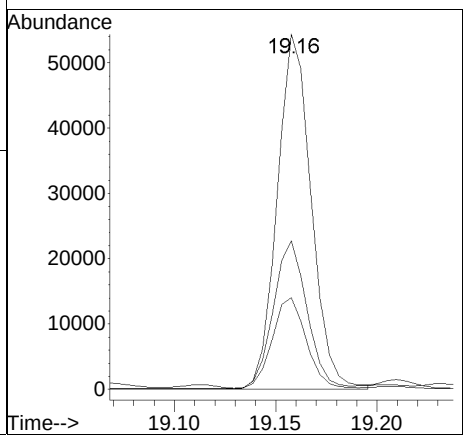


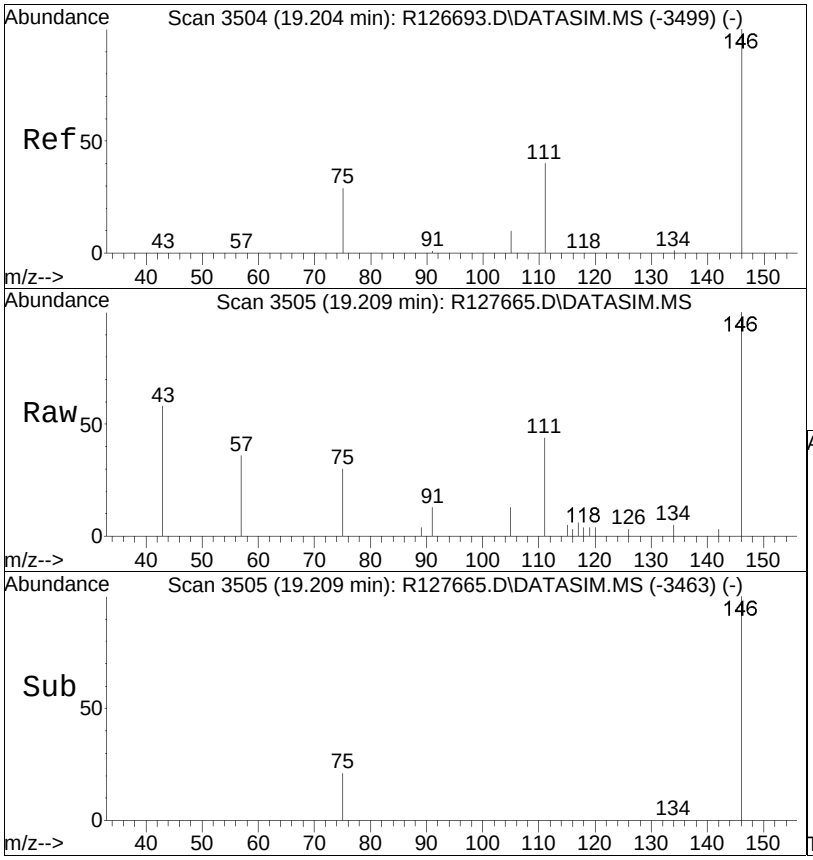


#71
1,3-dichlorobenzene
Concen: 1.15 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:146 Resp: 63223

Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.5	44.3
75	25.8	19.5	29.3

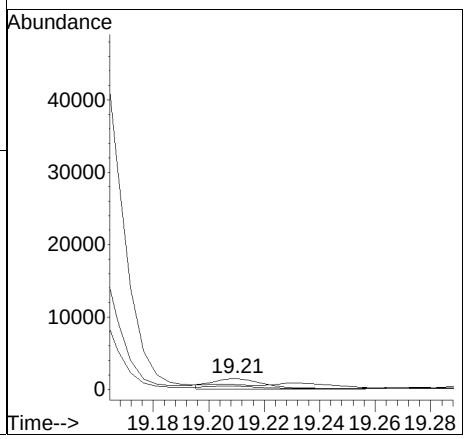


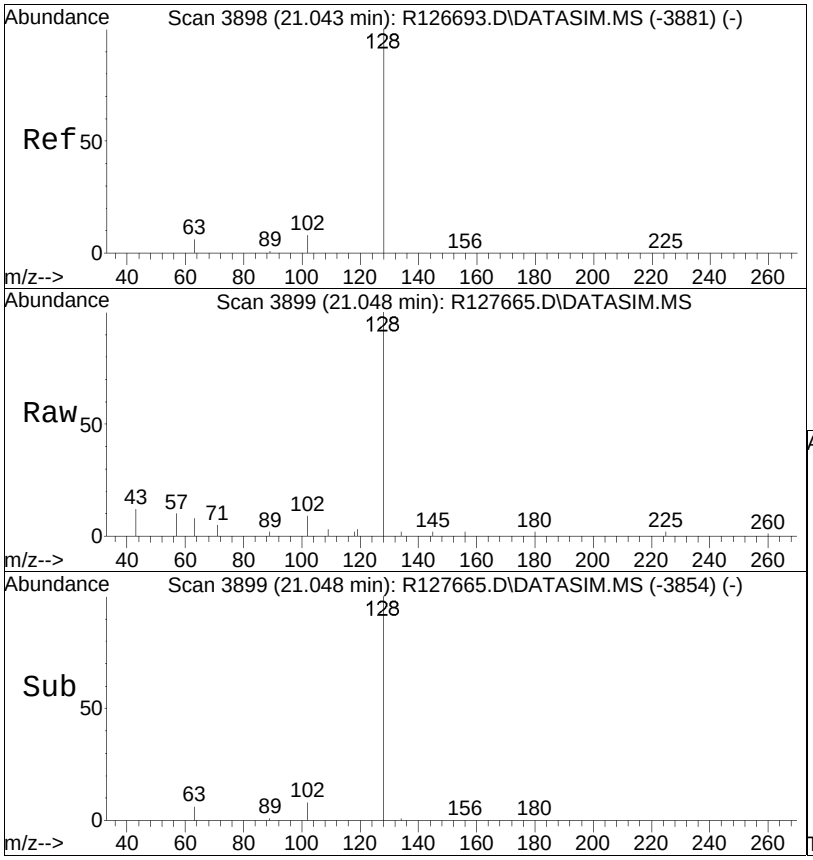


#72
1,4-dichlorobenzene
Concen: 0.03 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:146 Resp: 1953

Ion	Ratio	Lower	Upper
146	100		
111	44.4	26.4	39.6#
75	30.4	18.0	27.0#

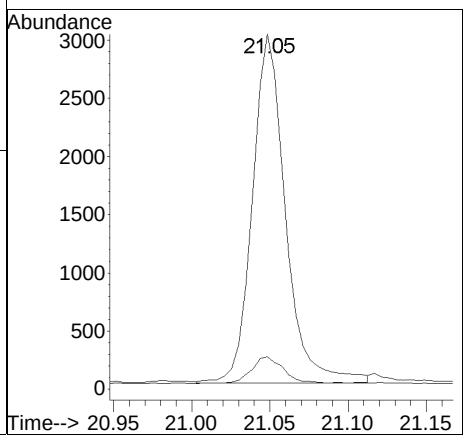




#78
naphthalene
Concen: 0.04 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127665.D
Acq: 15 Apr 2013 4:35 pm

Tgt Ion:128 Resp: 4408

Ion	Ratio	Lower	Upper
128	100		
102	9.2	6.2	9.2

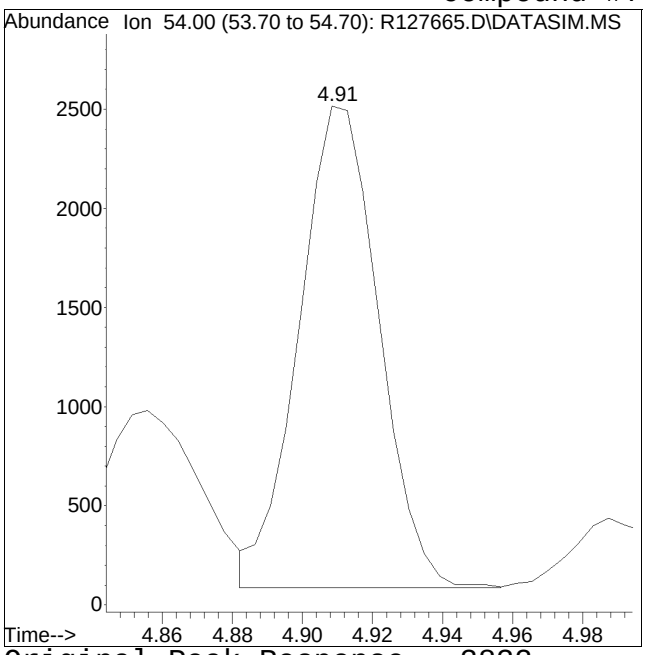


Manual Integration/Negative Proof Report

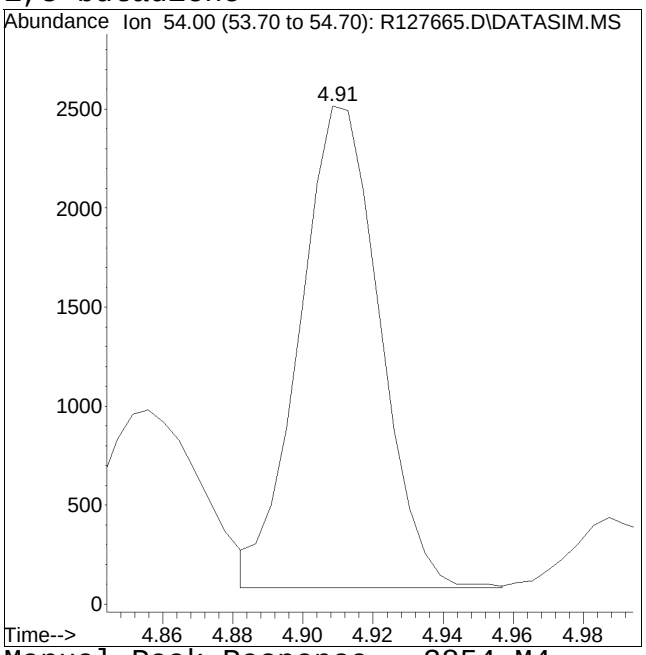
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127665.D
Date Inj'd : 4/15/2013 4:35 pm
Sample : L1306330-01,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #7: 1,3-butadiene



Original Peak Response = 3832



Manual Peak Response = 3854 M4

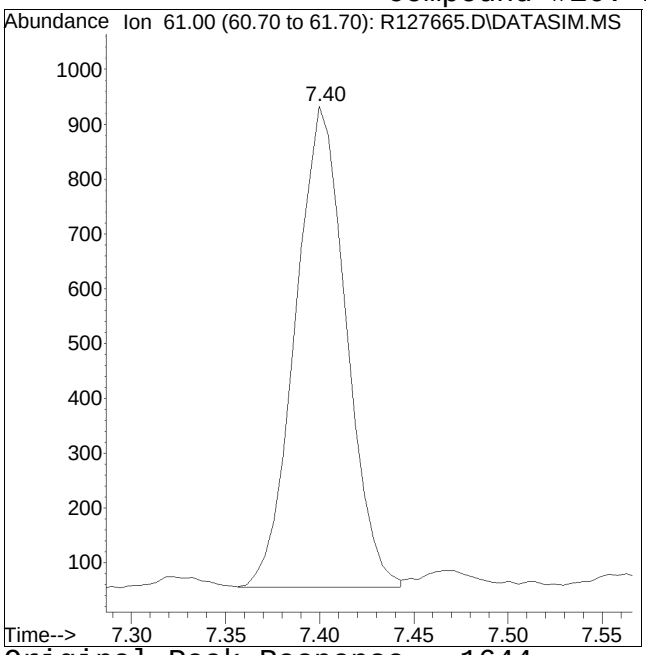
M4 = Poor automated baseline construction.

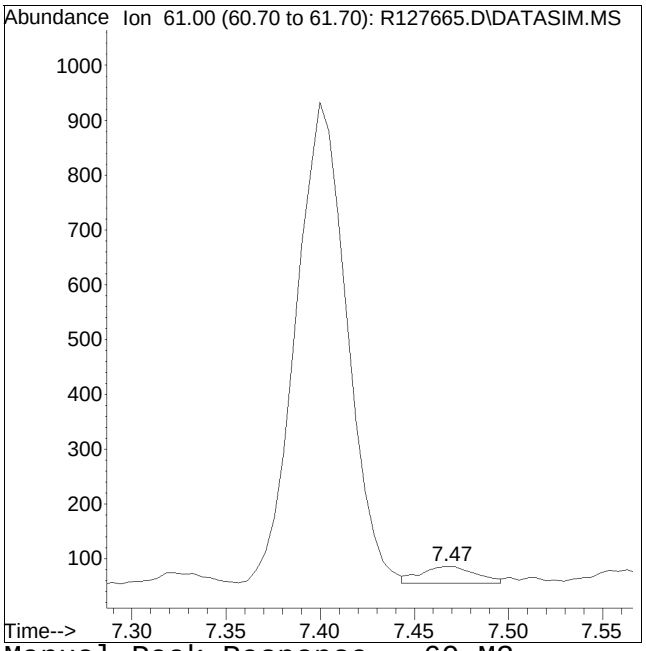
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127665.D
Date Inj'd : 4/15/2013 4:35 pm
Sample : L1306330-01,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #16: 1,1-dichloroethene





Original Peak Response = 1644 Manual Peak Response = 60 M3

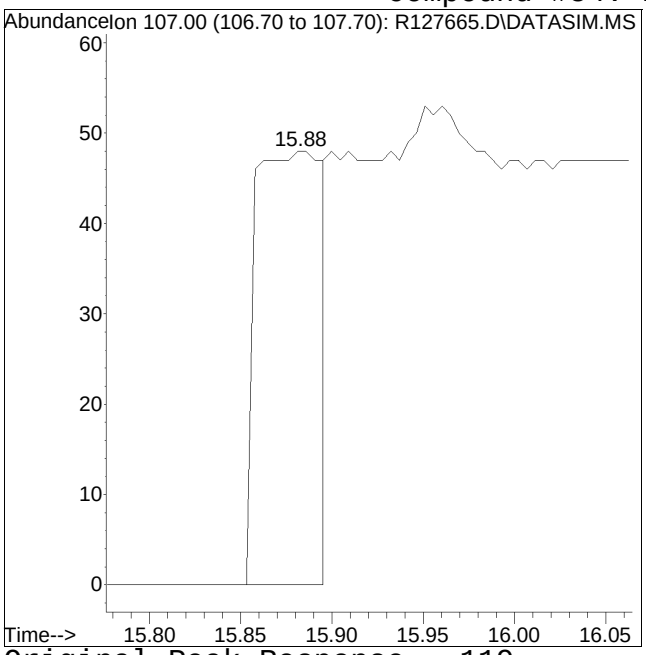
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

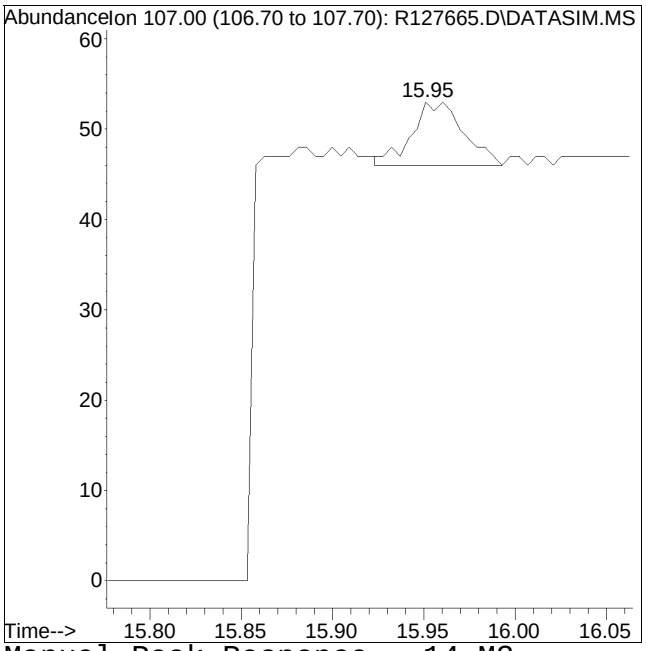
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127665.D
Date Inj'd : 4/15/2013 4:35 pm
Sample : L1306330-01,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #54: 1,2-dibromoethane





Original Peak Response = 119 Manual Peak Response = 14 M3

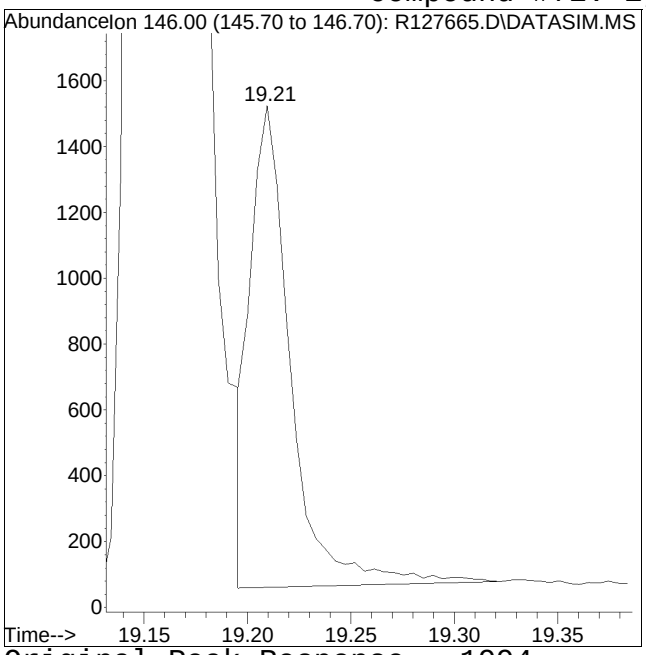
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

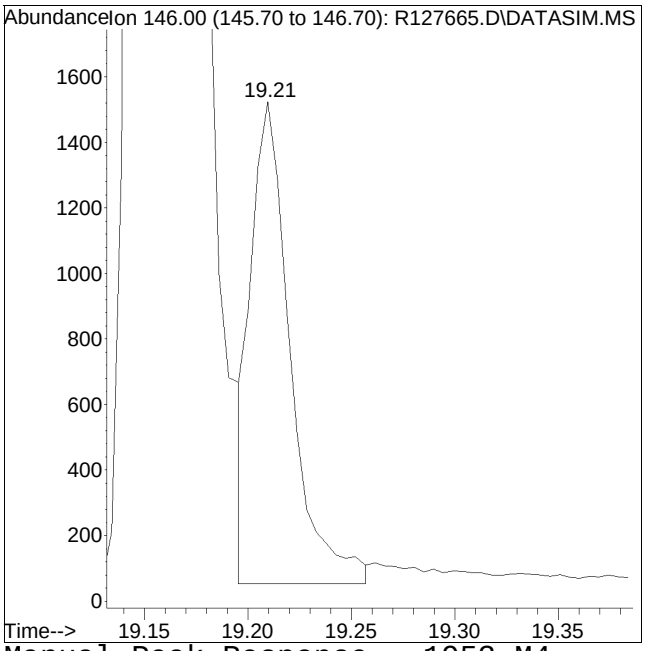
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127665.D
Date Inj'd : 4/15/2013 4:35 pm
Sample : L1306330-01,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 1994



Manual Peak Response = 1953 M4

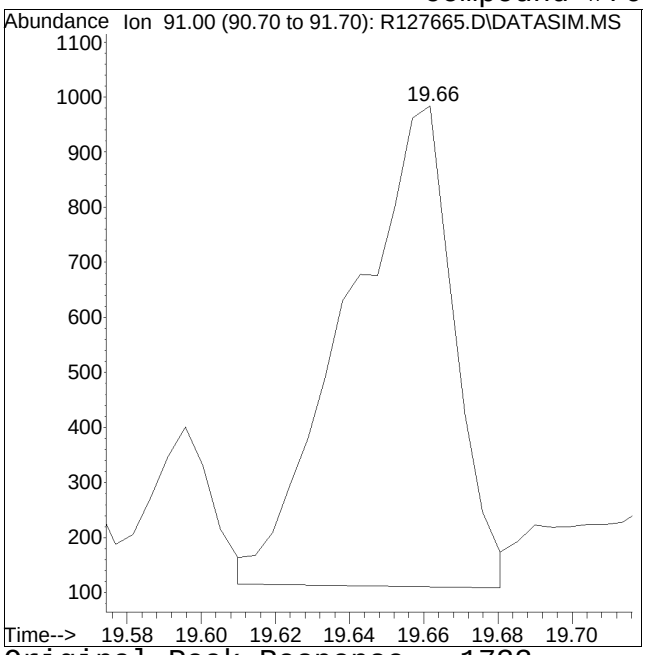
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

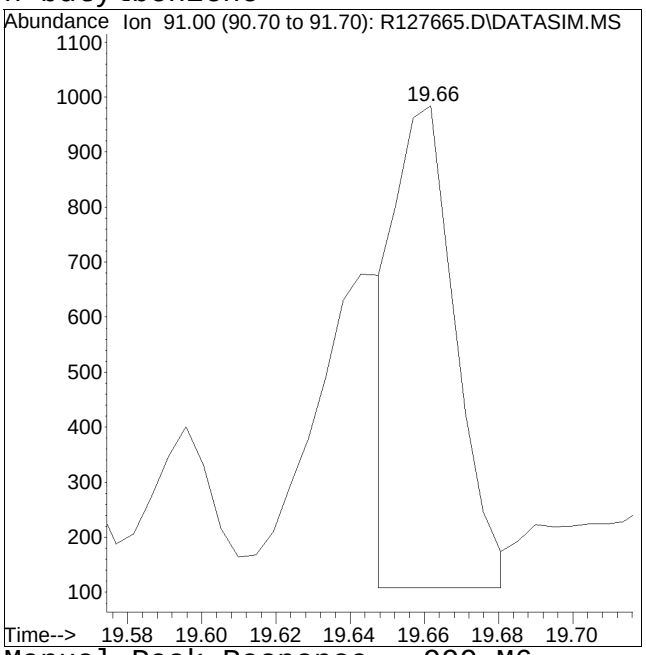
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127665.D
Date Inj'd : 4/15/2013 4:35 pm
Sample : L1306330-01,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #76: n-butylbenzene



Original Peak Response = 1733



Manual Peak Response = 999 M6

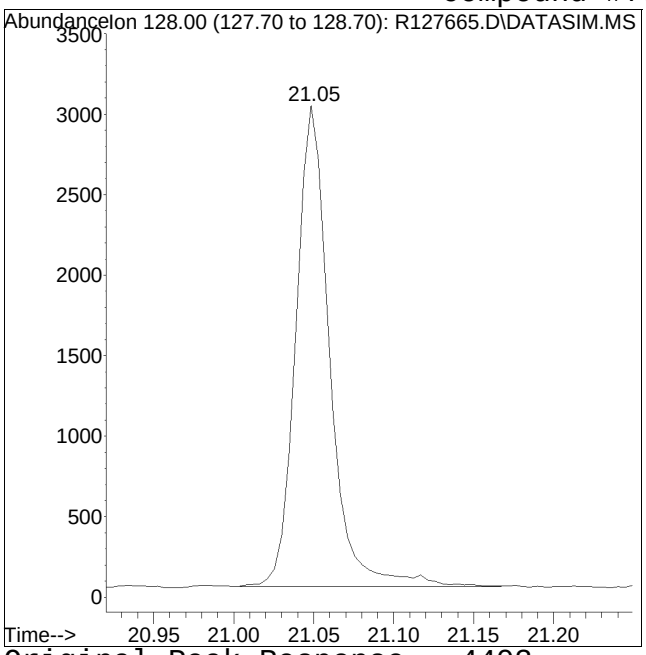
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

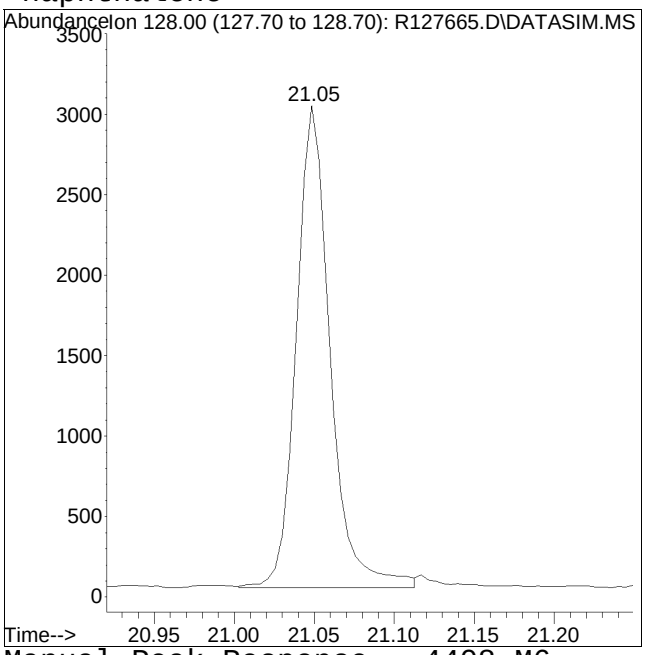
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127665.D
Date Inj'd : 4/15/2013 4:35 pm
Sample : L1306330-01,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #78: naphthalene



Original Peak Response = 4403



Manual Peak Response = 4408 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127667.D
Acq On : 15 Apr 2013 5:38 pm
Operator : AIRPIANO1:MB
Sample : L1306330-02D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 17 11:22:09 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	278959	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 100.51%			
32) 1,4-difluorobenzene	12.49	114	571353	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 100.43%			
49) chlorobenzene-D5	16.90	54	144461	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 104.63%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	7487	0.207	ppbV	100
4) chloromethane	4.40	50	4426	0.233	ppbV	99
5) Freon-114	4.55	85	262	0.007	ppbV #	89
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	5465	0.424	ppbV	94
8) bromomethane	5.30	94	143M3	0.010	ppbV	
9) chloroethane	5.55	64	127	0.018	ppbV #	1
12) acetone	6.39	43	712703	23.613	ppbV	99
13) trichlorofluoromethane	6.62	101	3785	0.087	ppbV	97
15) acrylonitrile	7.04	53	1881M4	0.128	ppbV	
16) 1,1-dichloroethene	7.47		0	N.D.		
17) methylene chloride	7.64	49	7357	0.292	ppbV	98
20) Freon 113	7.99	101	885	0.029	ppbV	96
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.07		0	N.D.		
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	170108	3.596	ppbV	98
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	1072	0.033	ppbV #	29
31) 1,2-dichloroethane	11.27		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	37113	1.213	ppbV	97
36) benzene	12.08	78	25812	0.572	ppbV	98
37) carbon tetrachloride	12.25	117	1055	0.031	ppbV #	91
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	375	0.017	ppbV	98
45) cis-1,3-dichloropropene	14.24		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	15109	0.295	ppbV	99
47) trans-1,3-dichloropropene	14.81		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127667.D
Acq On : 15 Apr 2013 5:38 pm
Operator : AIRPIANO1:MB
Sample : L1306330-02D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 17 11:22:09 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

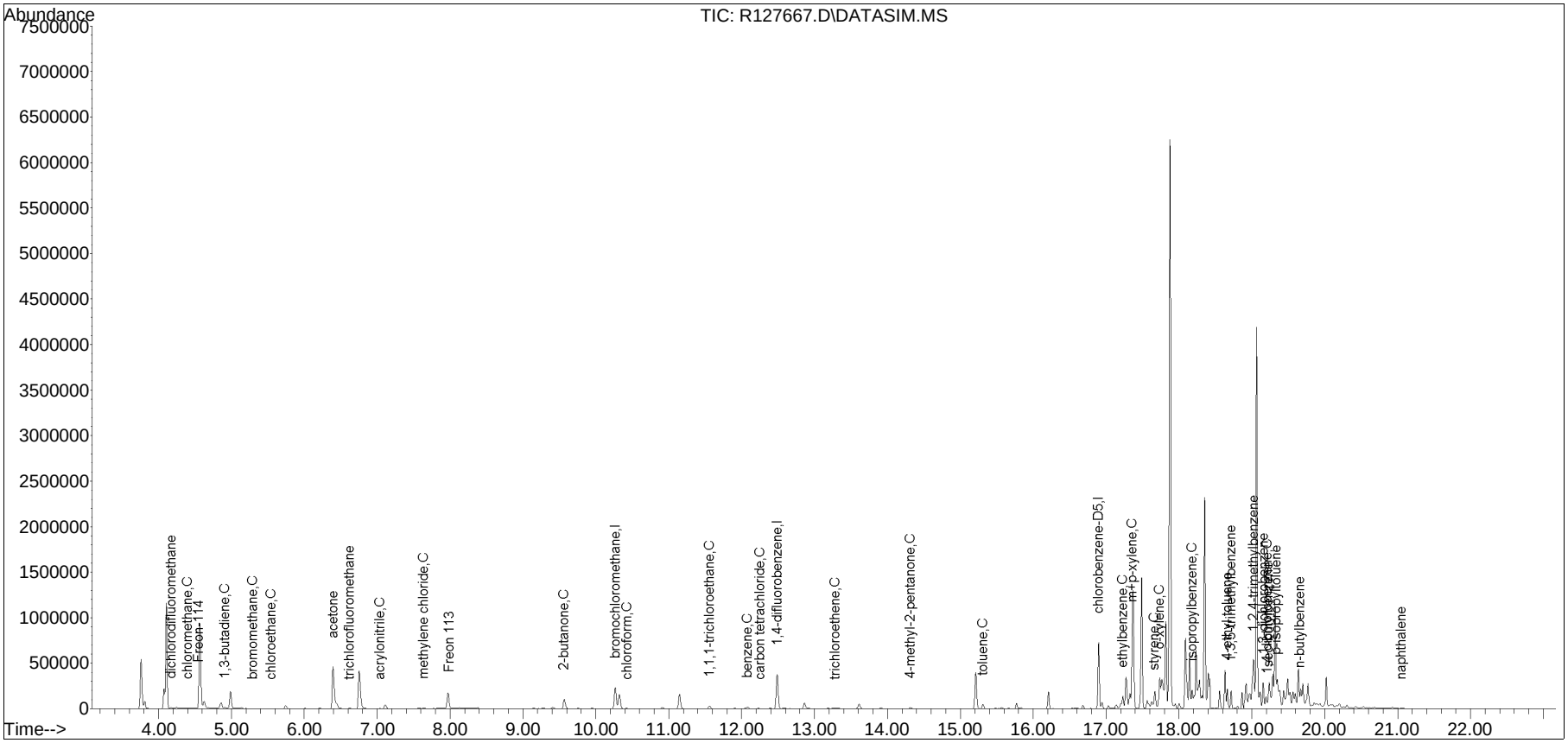
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	42050	0.718	ppbV		100
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.88		0	N.D.			
55) tetrachloroethene	16.36		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.91		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	119956	1.599	ppbV		99
59) m+p-xylene	17.36	91	361757	6.204	ppbV		98
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	966	0.021	ppbV	#	29
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	212102	3.490	ppbV		99
65) isopropylbenzene	18.18	105	90468	1.014	ppbV		100
66) 4-ethyl toluene	18.66	105	154392M3	1.748	ppbV		
67) 1,3,5-trimethylbenzene	18.72	105	134469	1.855	ppbV	#	99
69) 1,2,4-trimethylbenzene	19.03	105	237897	3.277	ppbV	#	53
71) 1,3-dichlorobenzene	19.16	146	33526	0.610	ppbV	#	1
72) 1,4-dichlorobenzene	19.21	146	900M3	0.016	ppbV		
73) sec-butylbenzene	19.22	105	38994	0.345	ppbV		99
74) p-isopropyltoluene	19.34	119	30728	0.308	ppbV		96
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66	91	12491M6	0.138	ppbV		
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	1451M4	0.014	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

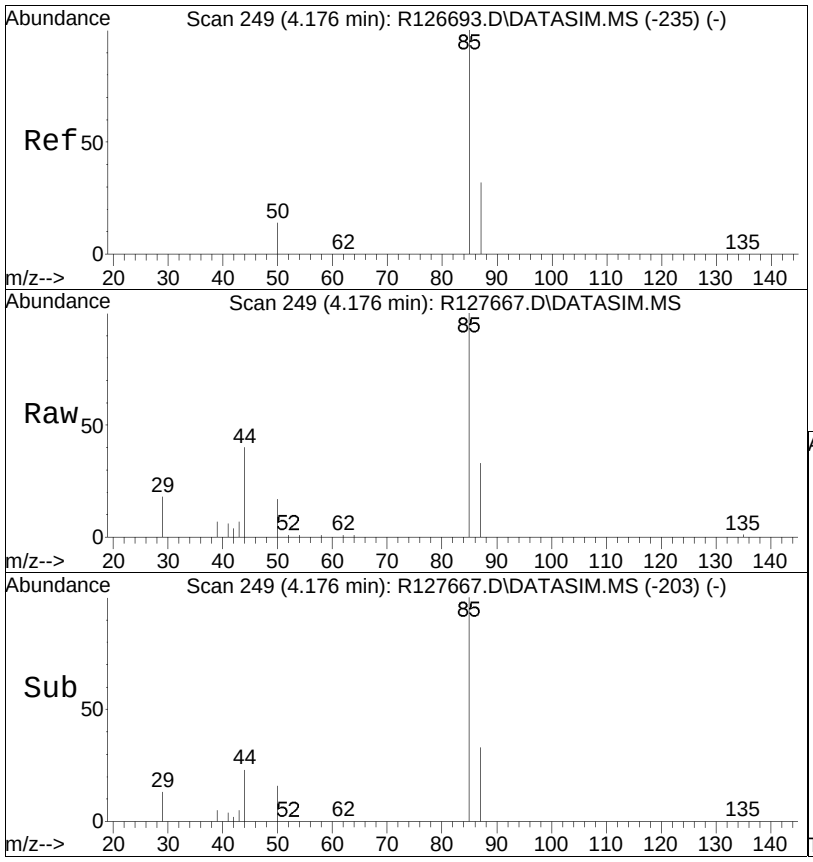
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127667.D
Acq On : 15 Apr 2013 5:38 pm
Operator : AIRPIANO1:MB
Sample : L1306330-02D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 17 11:22:09 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

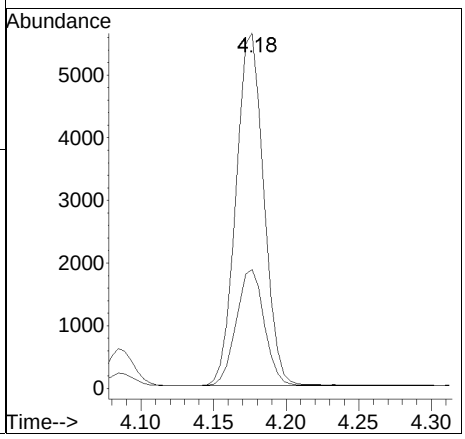


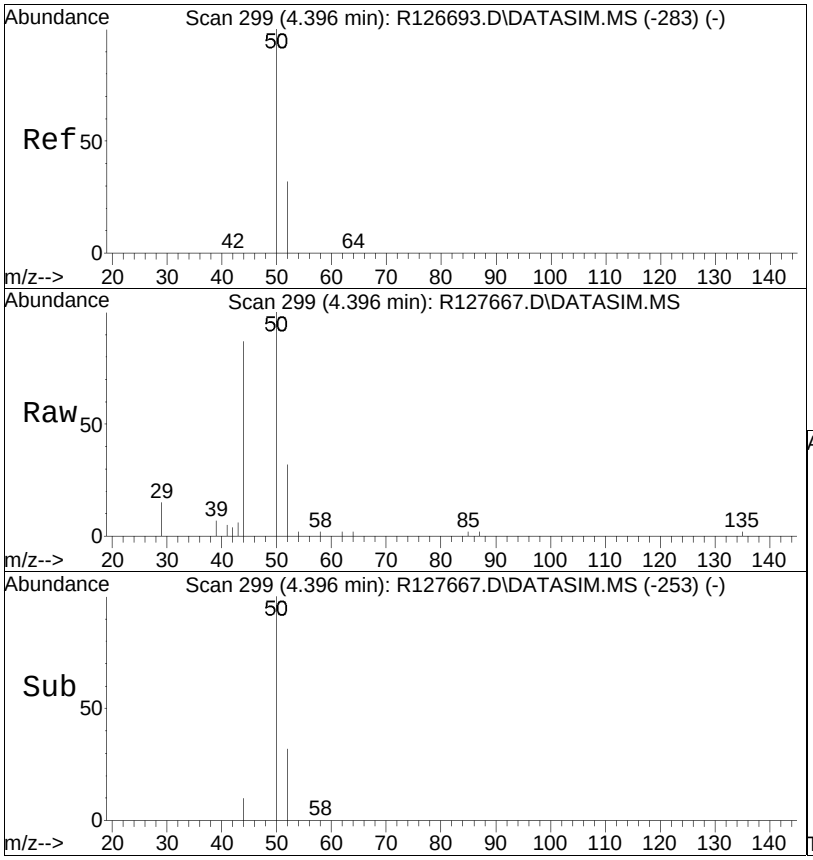


#3
dichlorodifluoromethane
Concen: 0.21 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 85 Resp: 7487

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.6	40.0

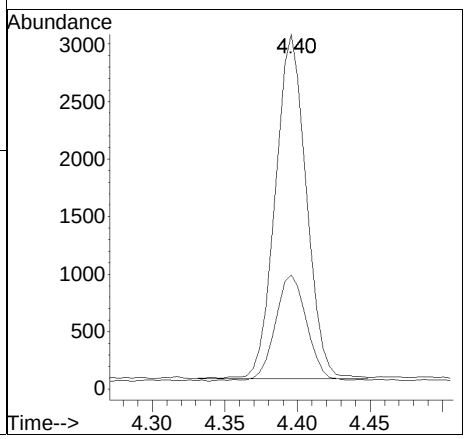


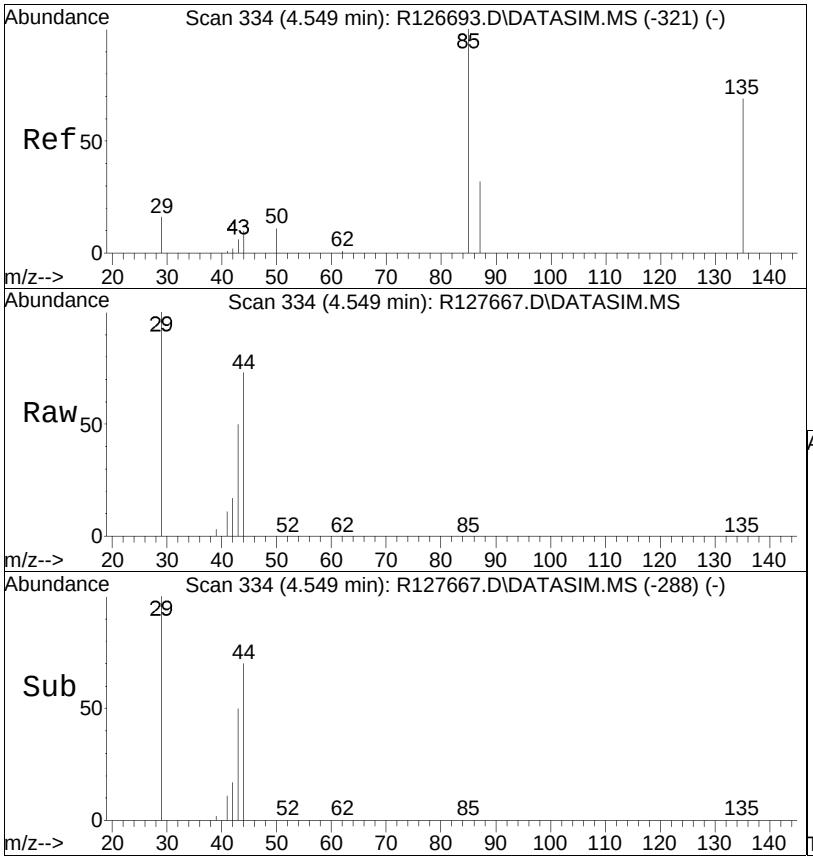


#4
chloromethane
Concen: 0.23 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 50 Resp: 4426

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.3	37.9

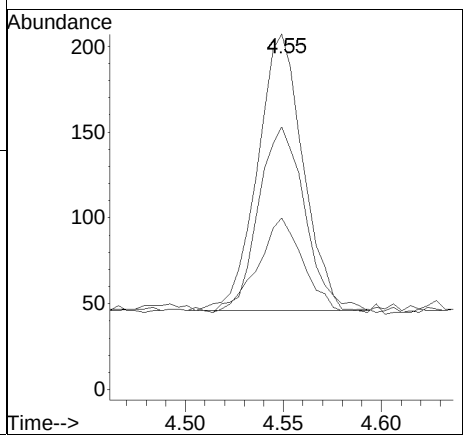


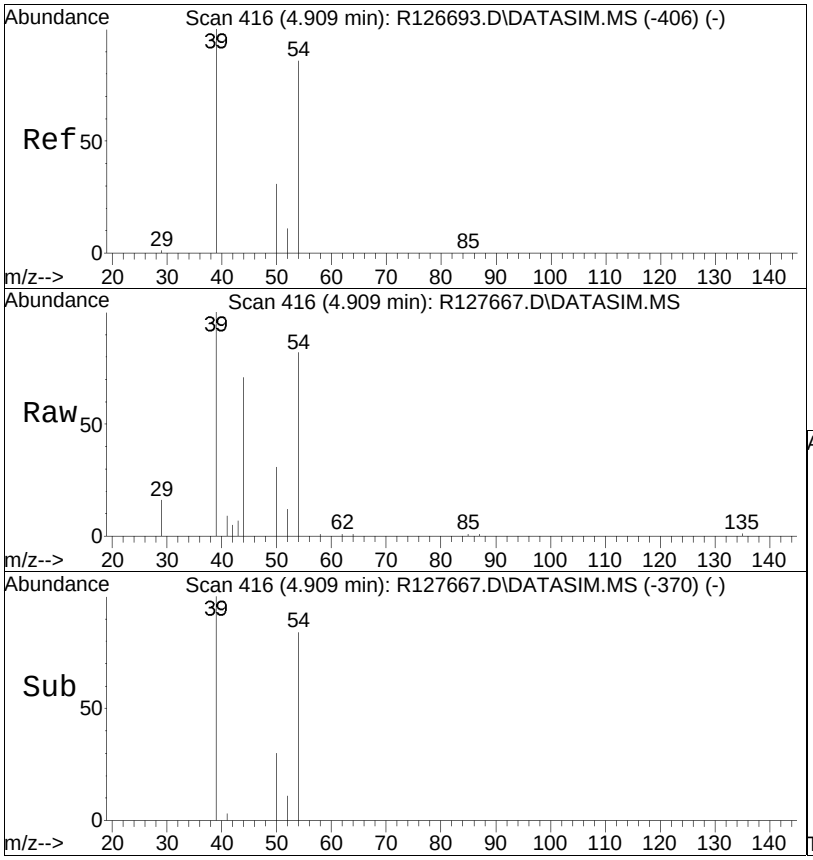


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 85 Resp: 262

Ion	Ratio	Lower	Upper
85	100		
87	48.3	26.5	39.7#
135	73.9	56.9	85.3

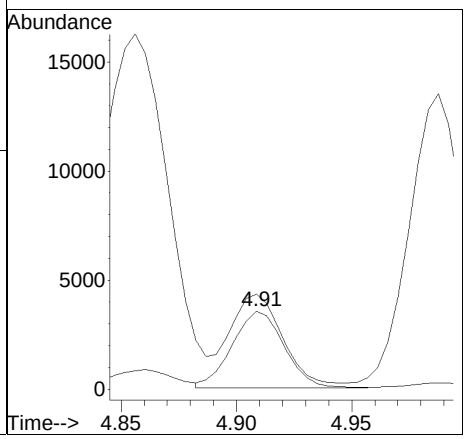


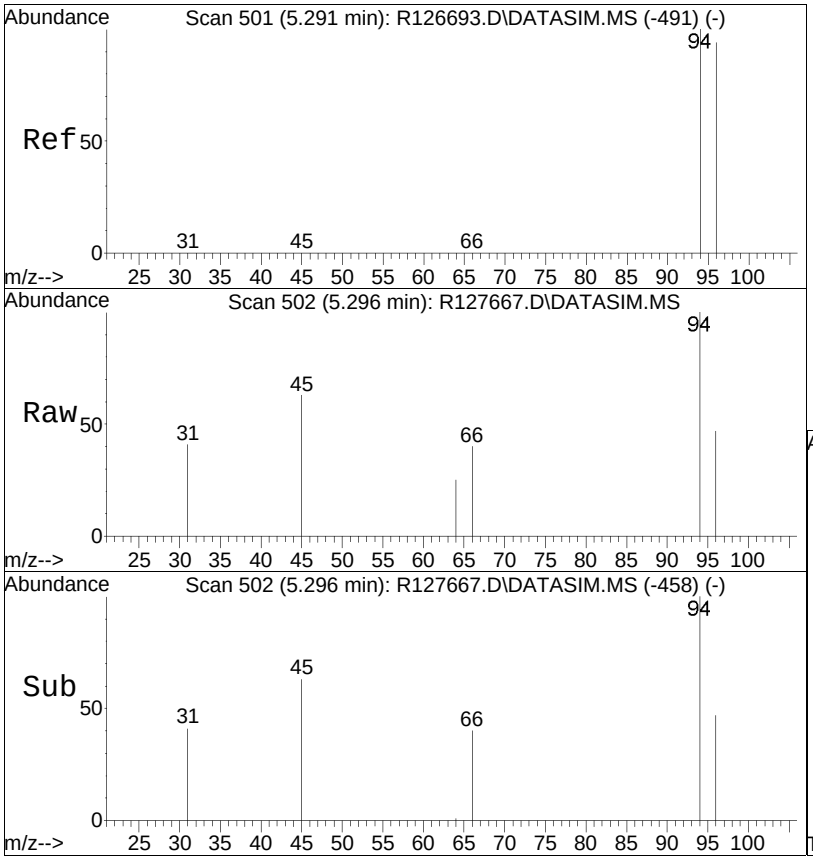


#7
1,3-butadiene
Concen: 0.42 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 54 Resp: 5465

Ion	Ratio	Lower	Upper
54	100		
39	122.0	92.4	138.6

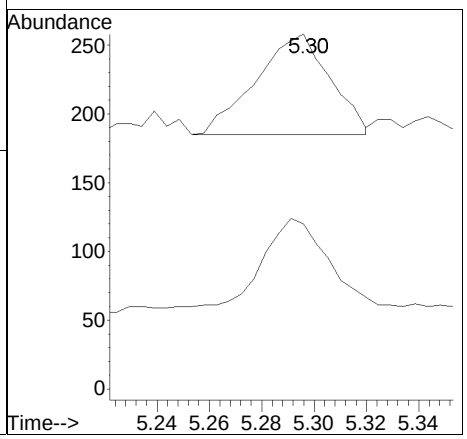


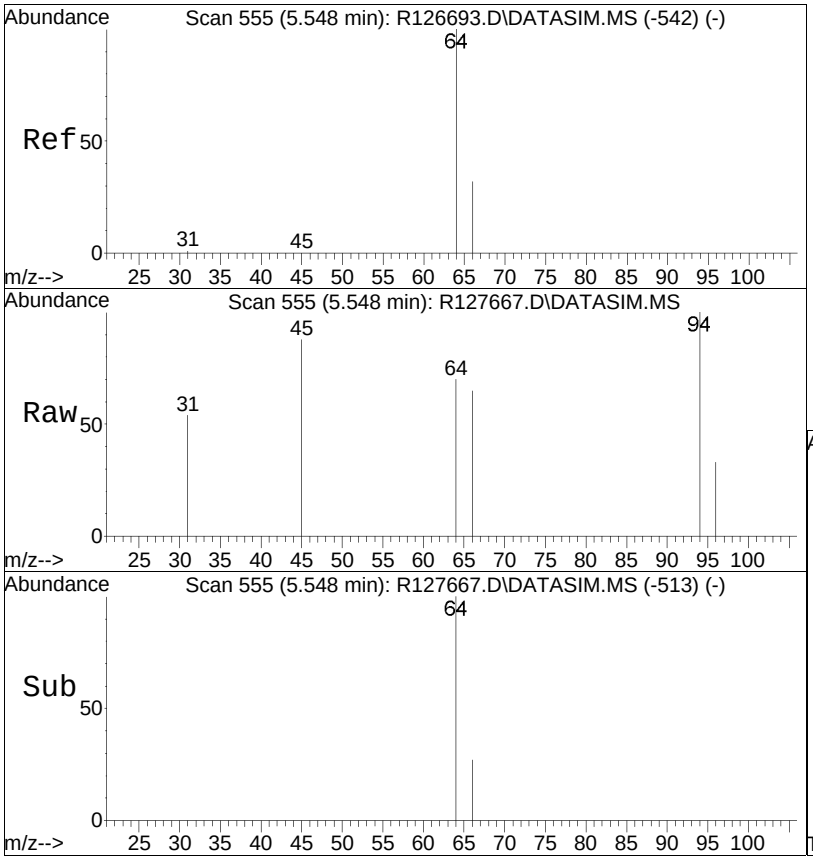


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 94 Resp: 143

Ion	Ratio	Lower	Upper
94	100		
96	46.5	76.9	115.3#

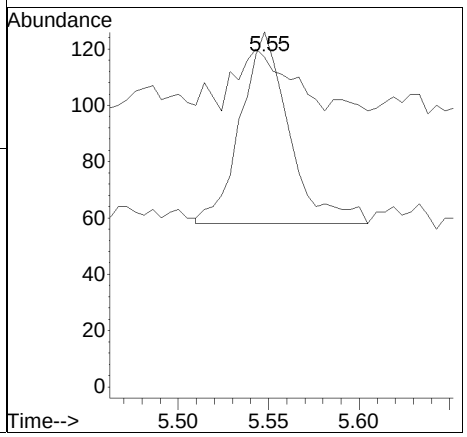


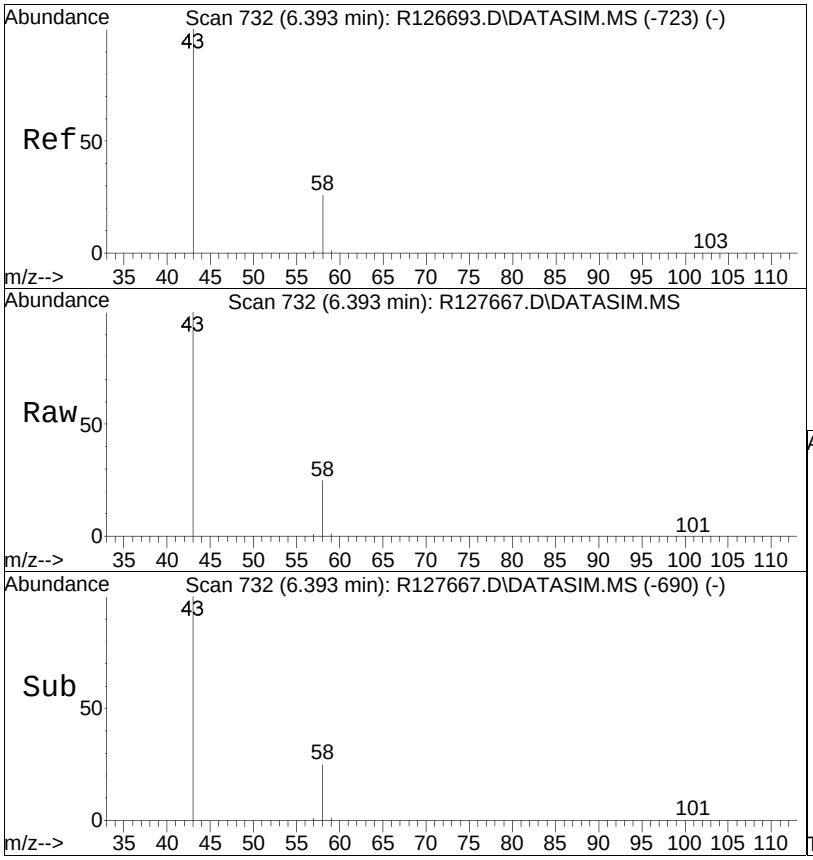


#9
chloroethane
Concen: 0.02 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 64 Resp: 127

Ion	Ratio	Lower	Upper
64	100		
66	92.9	25.5	38.3#

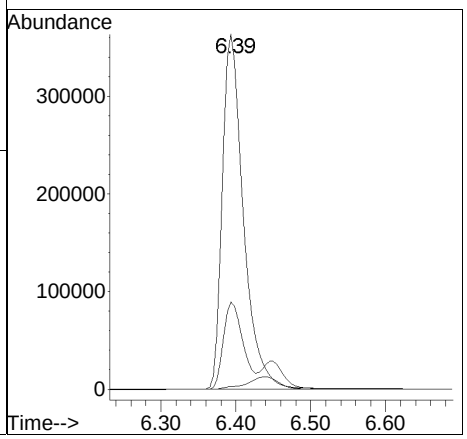


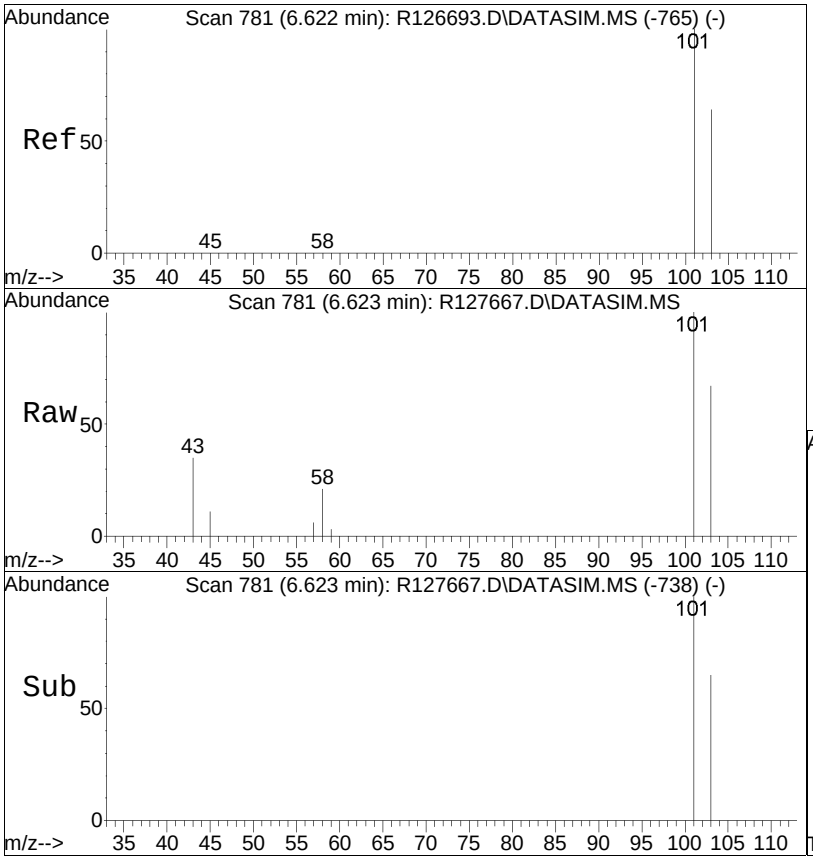


#12
acetone
Concen: 23.61 ppbV
RT: 6.39 min Scan# 732
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 43 Resp: 712703

Ion	Ratio	Lower	Upper
43	100		
58	24.6	20.0	30.0
57	0.8	0.6	1.0

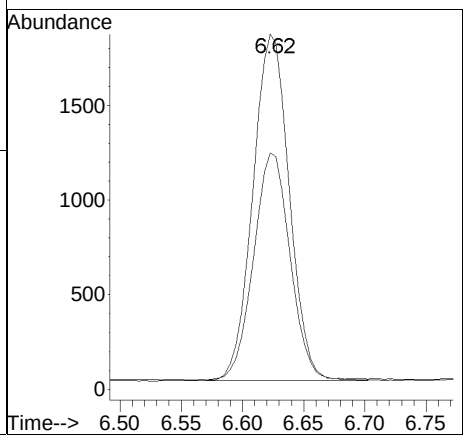


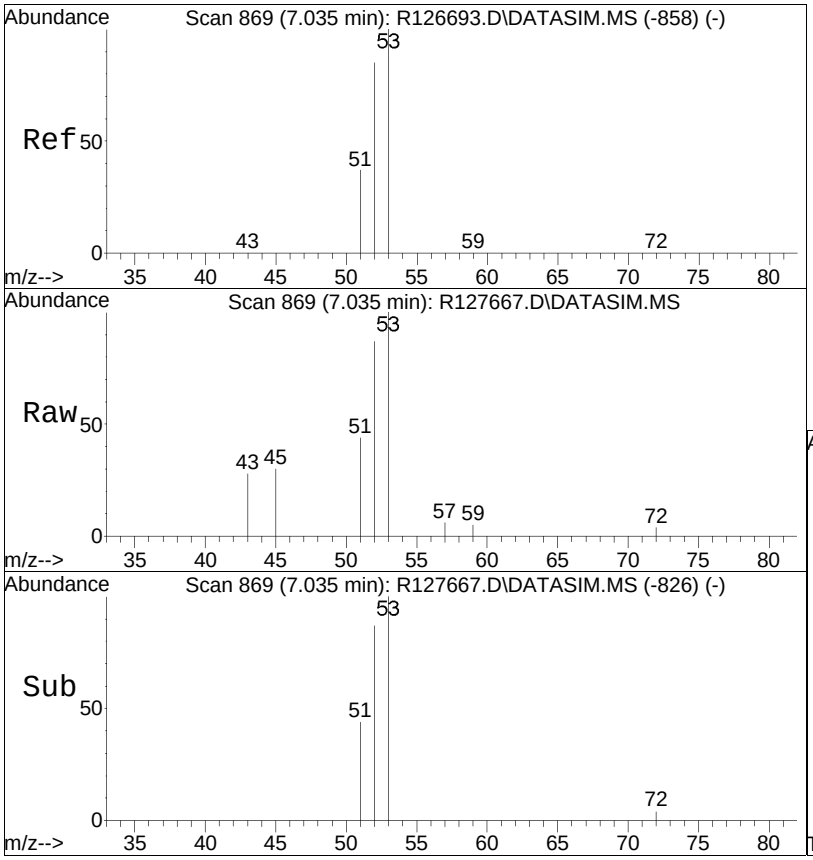


#13
trichlorofluoromethane
Concen: 0.09 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:101 Resp: 3785

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.6	77.4

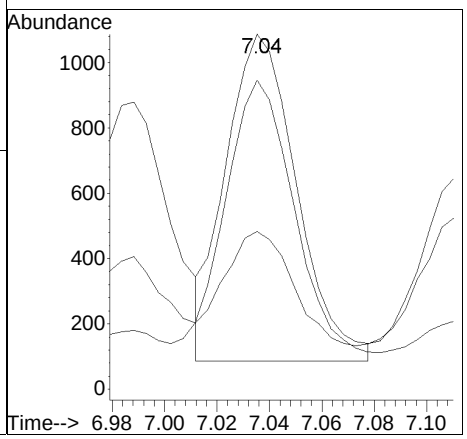


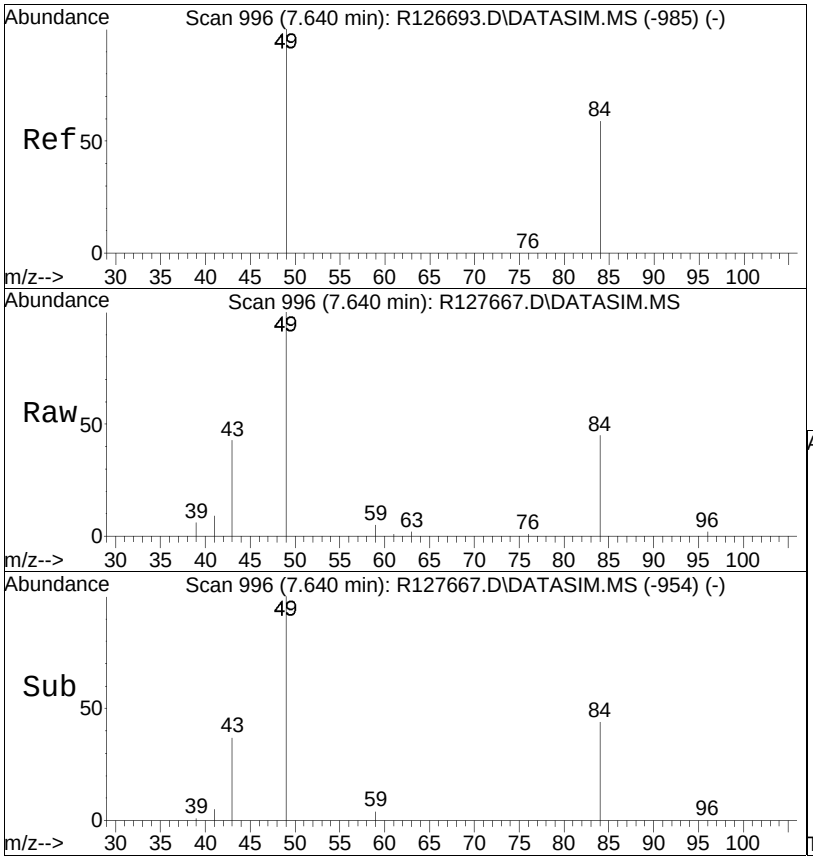


#15
acrylonitrile
Concen: 0.13 ppbV m
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 53 Resp: 1881

Ion	Ratio	Lower	Upper
53	100		
52	87.0	68.5	102.7
51	44.4	30.1	45.1

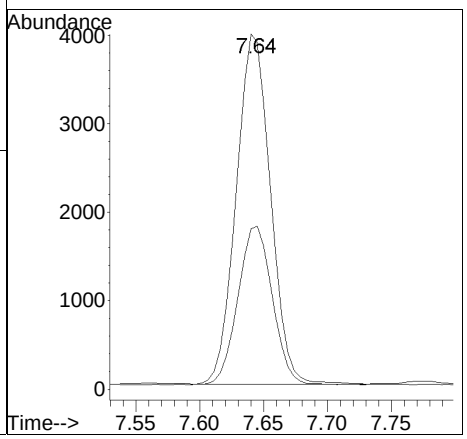


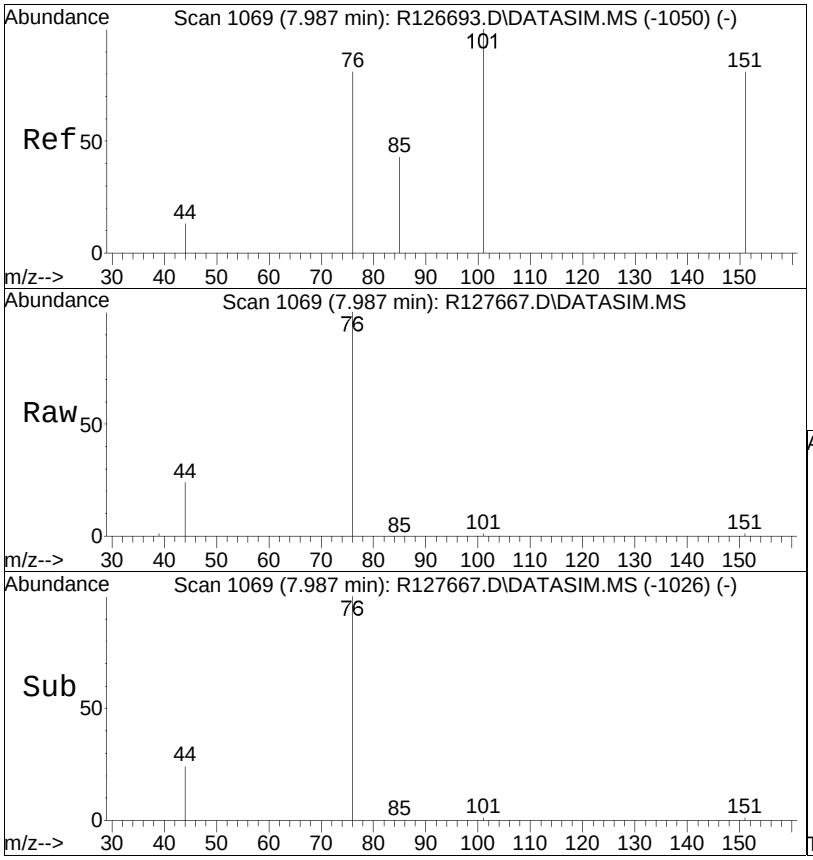


#17
methylene chloride
Concen: 0.29 ppbV
RT: 7.64 min Scan# 996
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 49 Resp: 7357

Ion	Ratio	Lower	Upper
49	100		
84	45.2	37.2	55.8

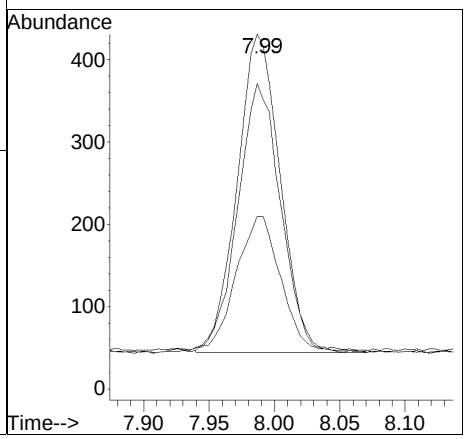


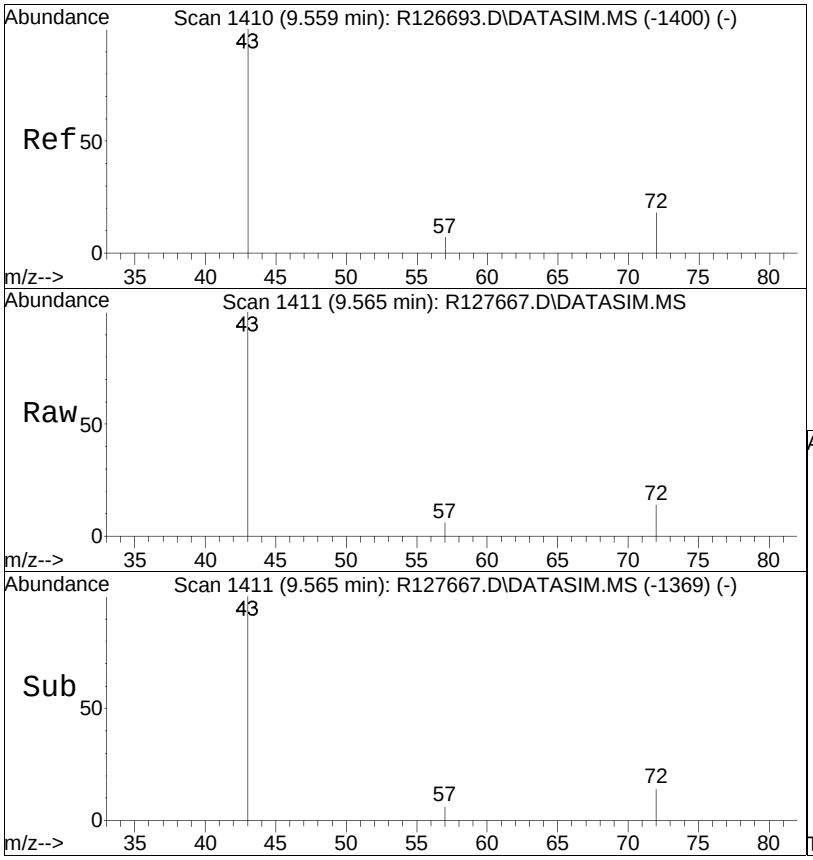


#20
Freon 113
Concen: 0.03 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:101 Resp: 885

Ion	Ratio	Lower	Upper
101	100		
85	48.7	34.2	51.2
151	86.1	67.8	101.8

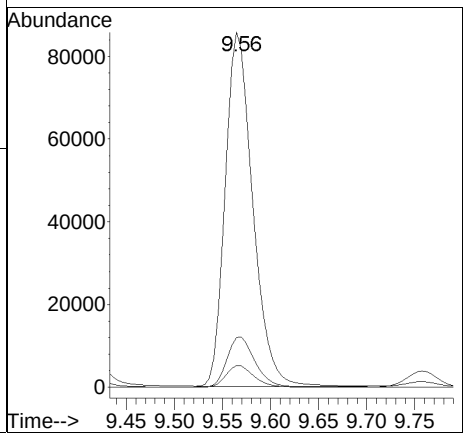


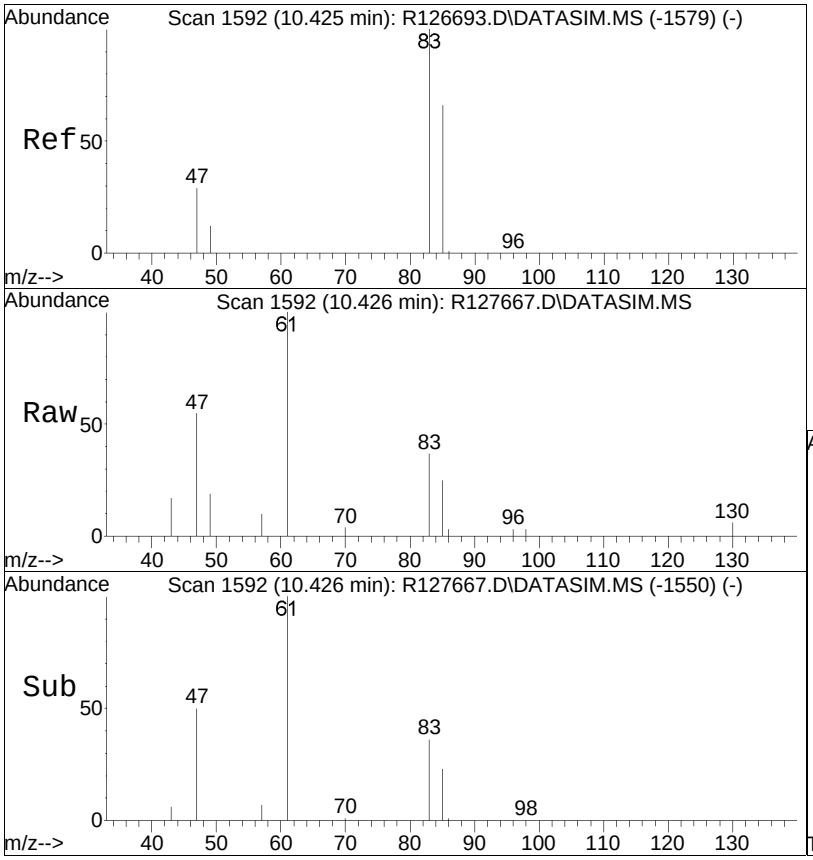


#26
2-butanone
Concen: 3.60 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 43 Resp: 170108

Ion	Ratio	Lower	Upper
43	100		
72	14.0	12.0	18.0
57	6.1	5.2	7.8

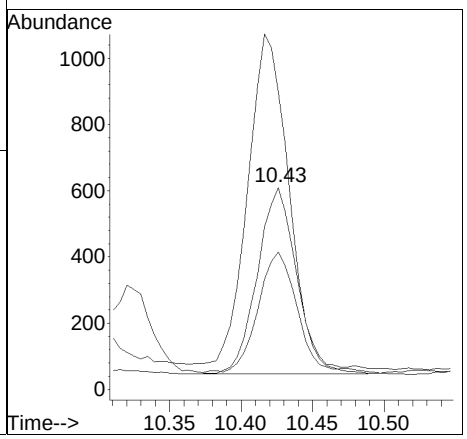


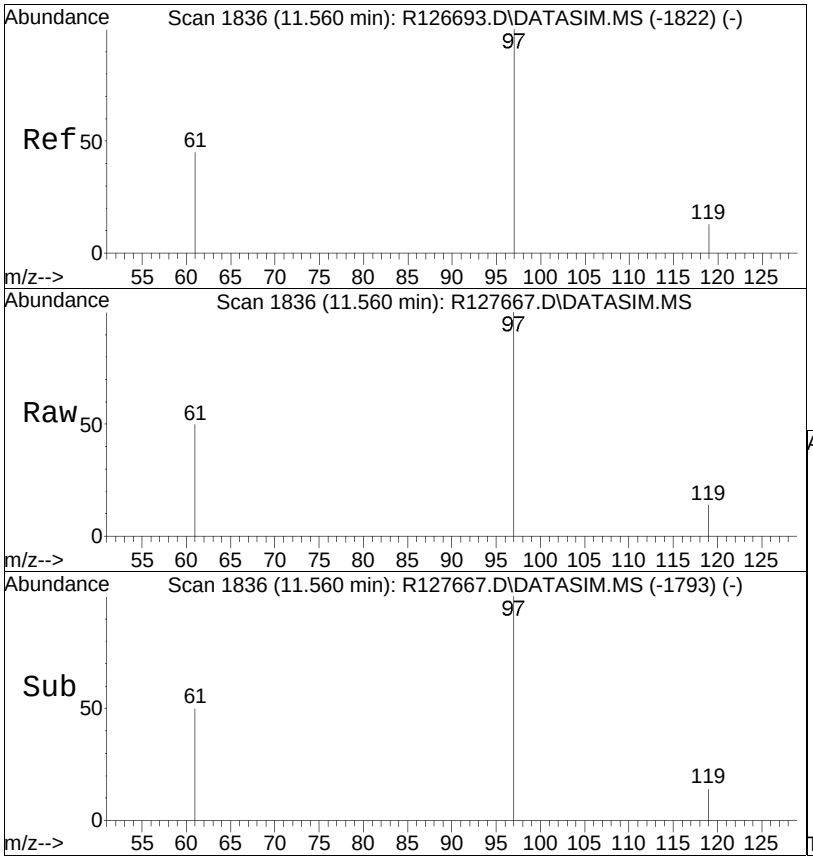


#29
chloroform
Concen: 0.03 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 83 Resp: 1072

Ion	Ratio	Lower	Upper
83	100		
85	68.1	52.2	78.2
47	147.6	26.4	39.6#

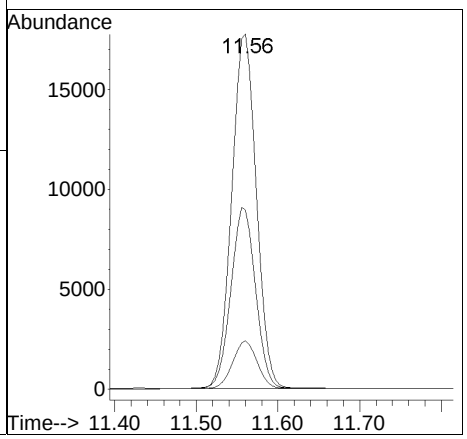


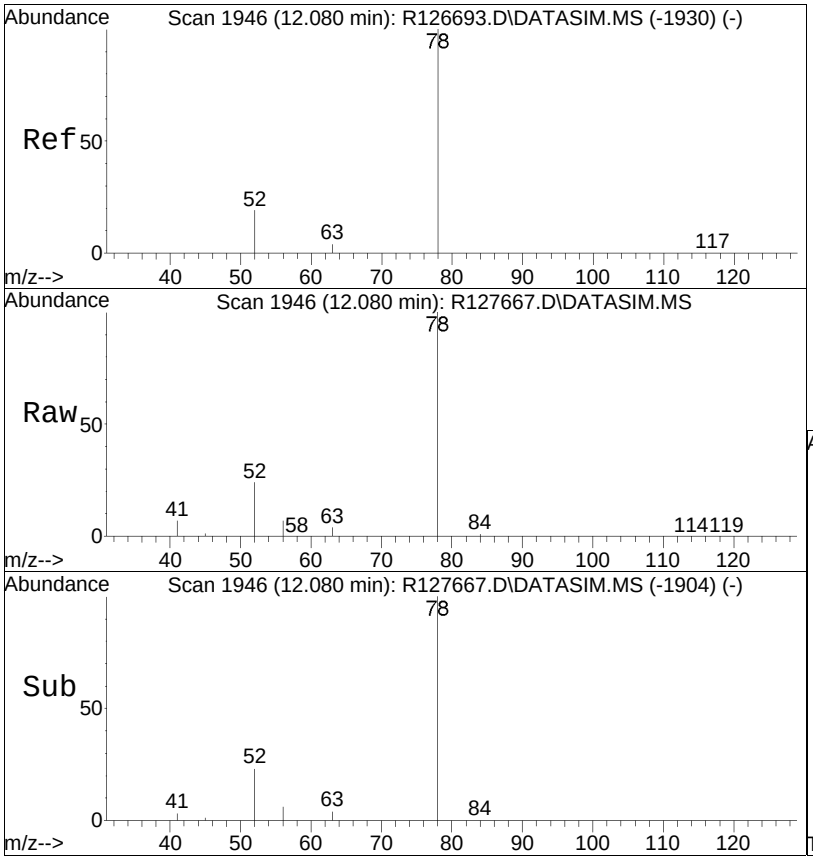


#35
1,1,1-trichloroethane
Concen: 1.21 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 97 Resp: 37113

Ion	Ratio	Lower	Upper
97	100		
61	50.4	38.6	58.0
119	13.7	11.0	16.6

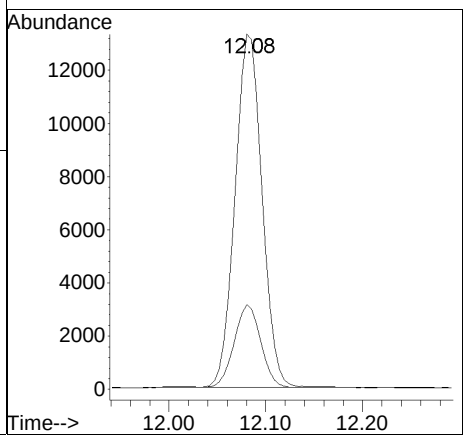


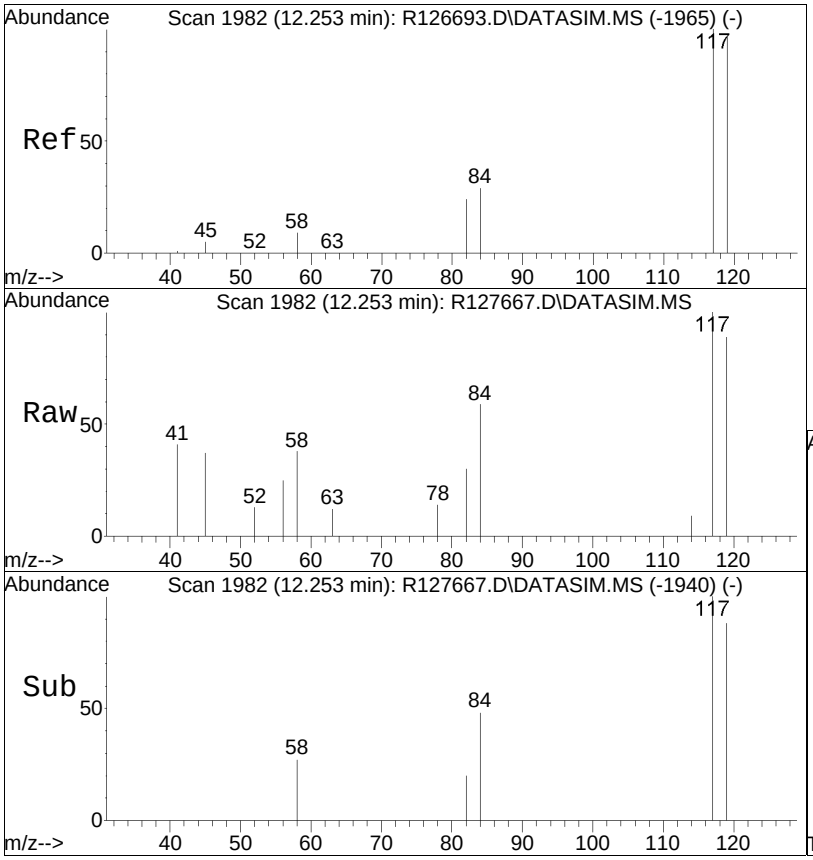


#36
benzene
Concen: 0.57 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 78 Resp: 25812

Ion	Ratio	Lower	Upper
78	100		
52	23.9	18.5	27.7

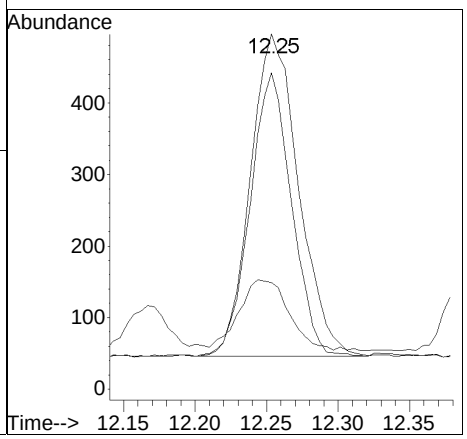


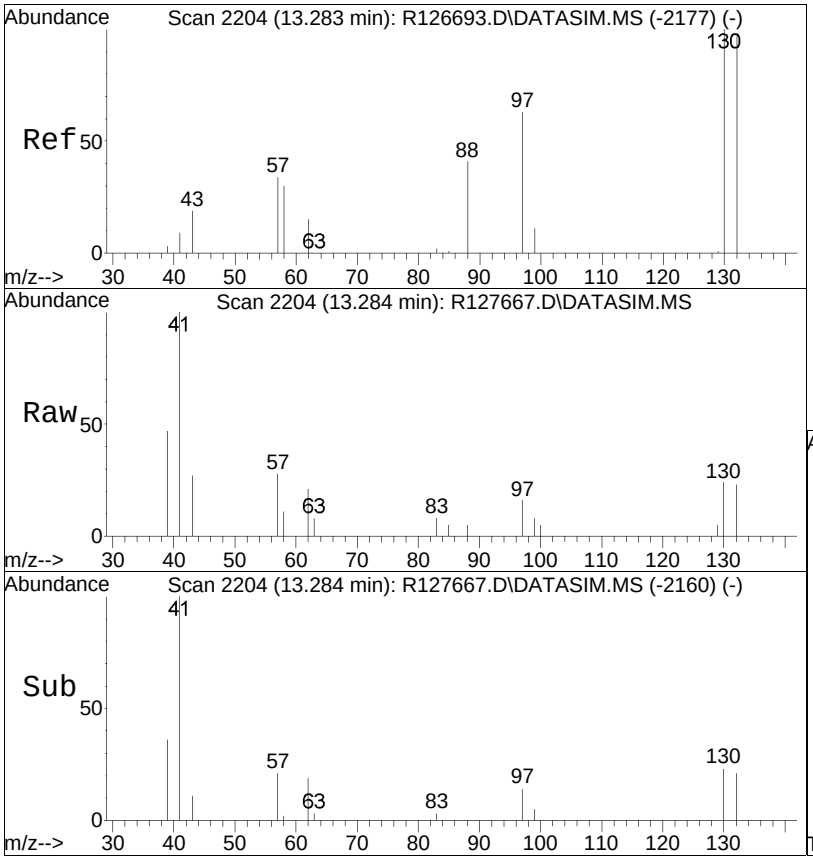


#37
carbon tetrachloride
Concen: 0.03 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:117 Resp: 1055

Ion	Ratio	Lower	Upper
117	100		
119	89.1	77.4	116.0
82	30.0	18.2	27.2#

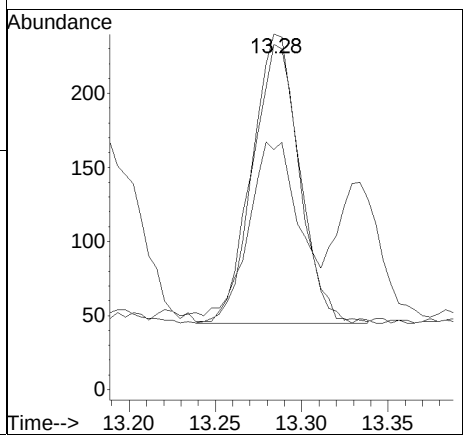


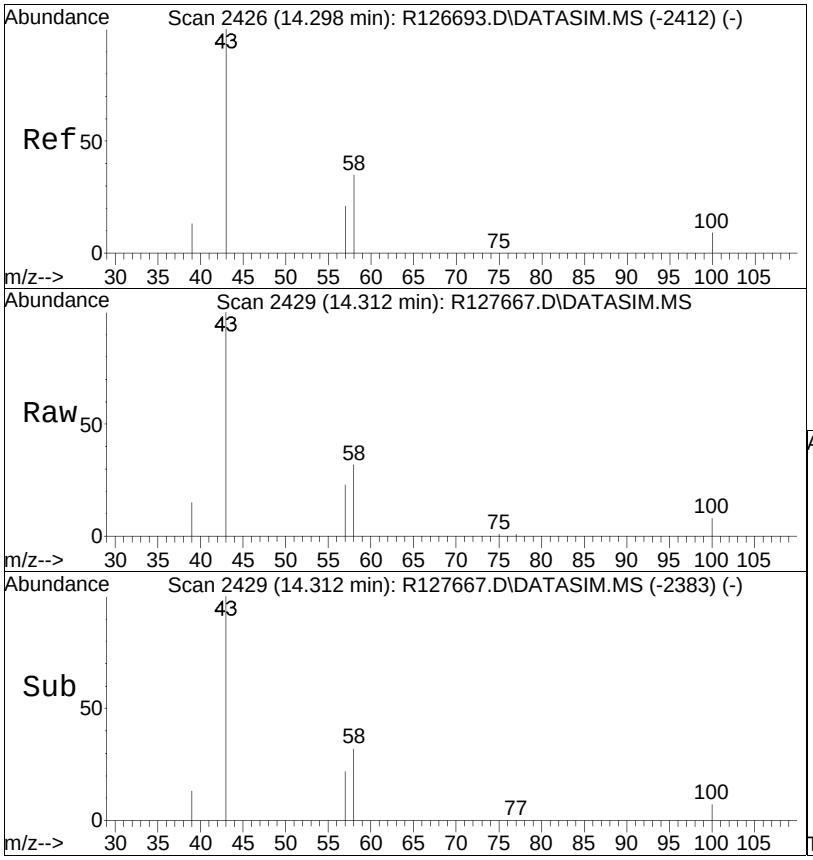


#42
trichloroethene
Concen: 0.02 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:130 Resp: 375

Ion	Ratio	Lower	Upper
130	100		
132	97.1	77.3	115.9
97	67.5	50.6	75.8

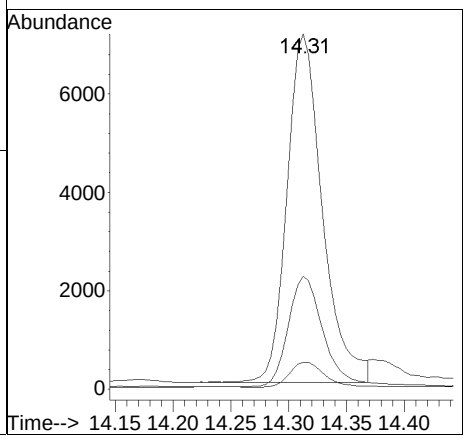


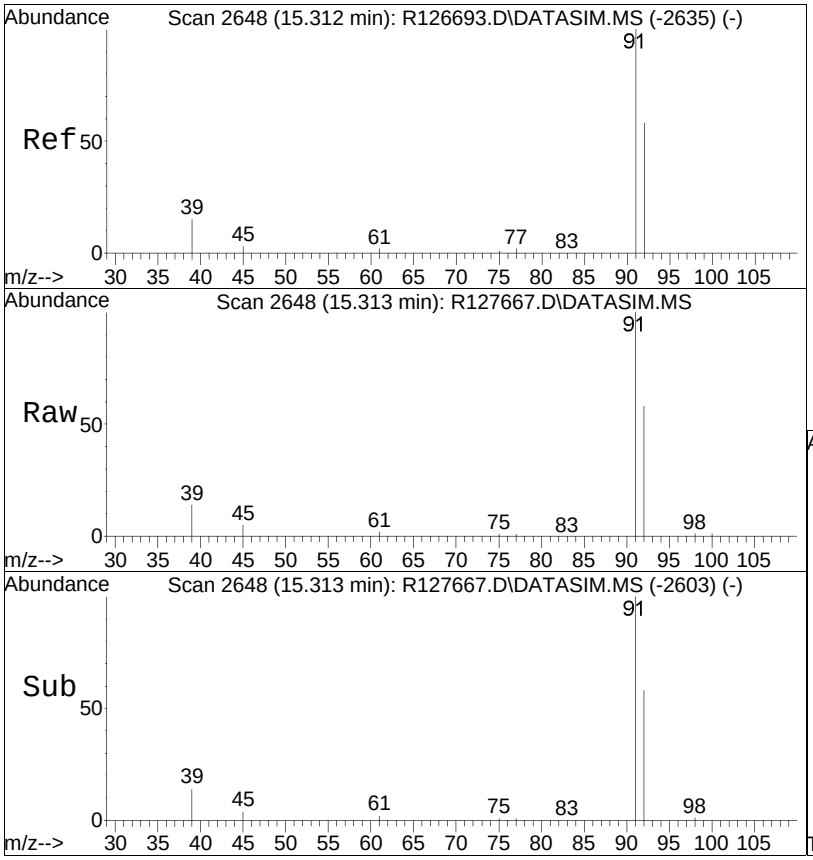


#46
4-methyl-2-pentanone
Concen: 0.29 ppbV
RT: 14.31 min Scan# 2429
Delta R.T. 0.014 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 43 Resp: 15109

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.0	39.0
100	7.7	5.8	8.6

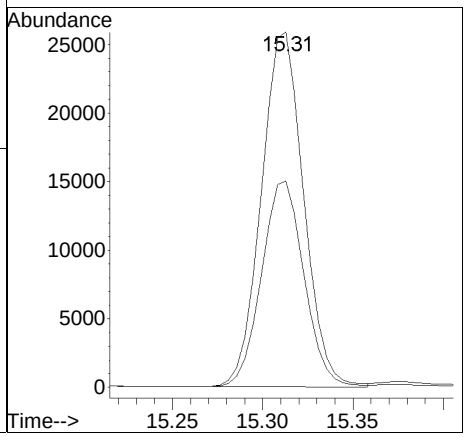


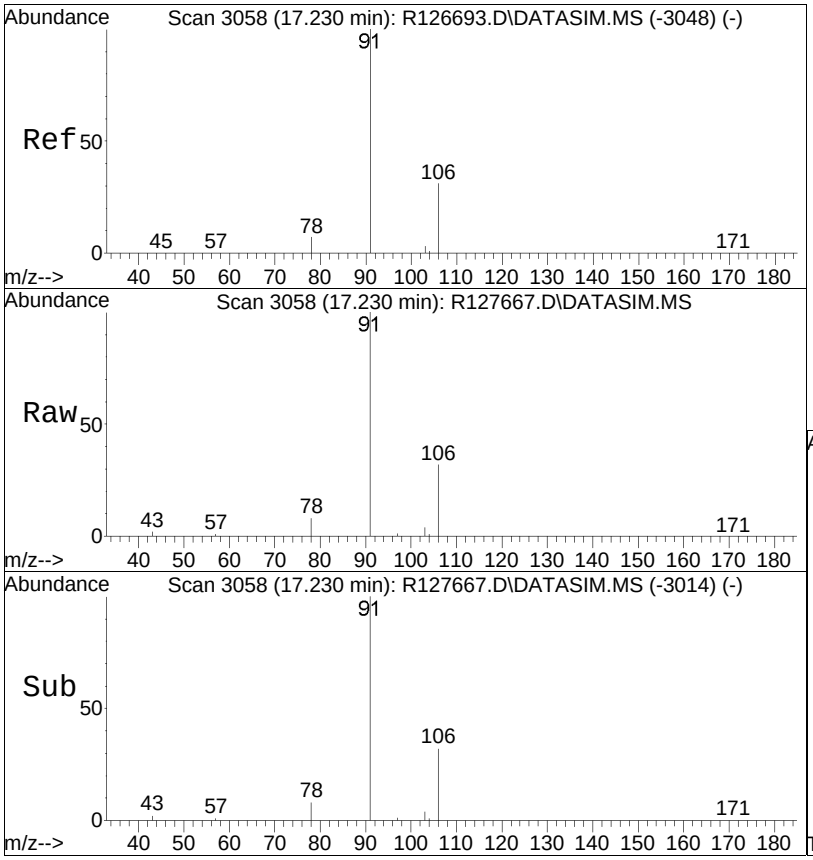


#50
toluene
Concen: 0.72 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 91 Resp: 42050

Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.4	69.6

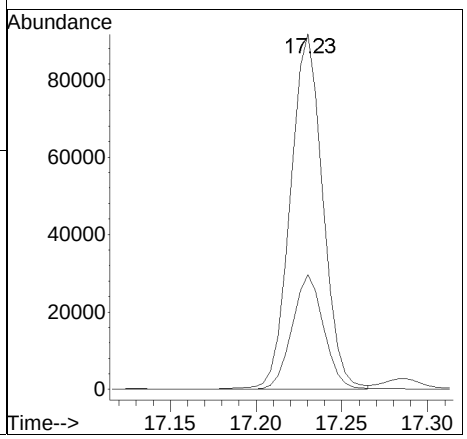


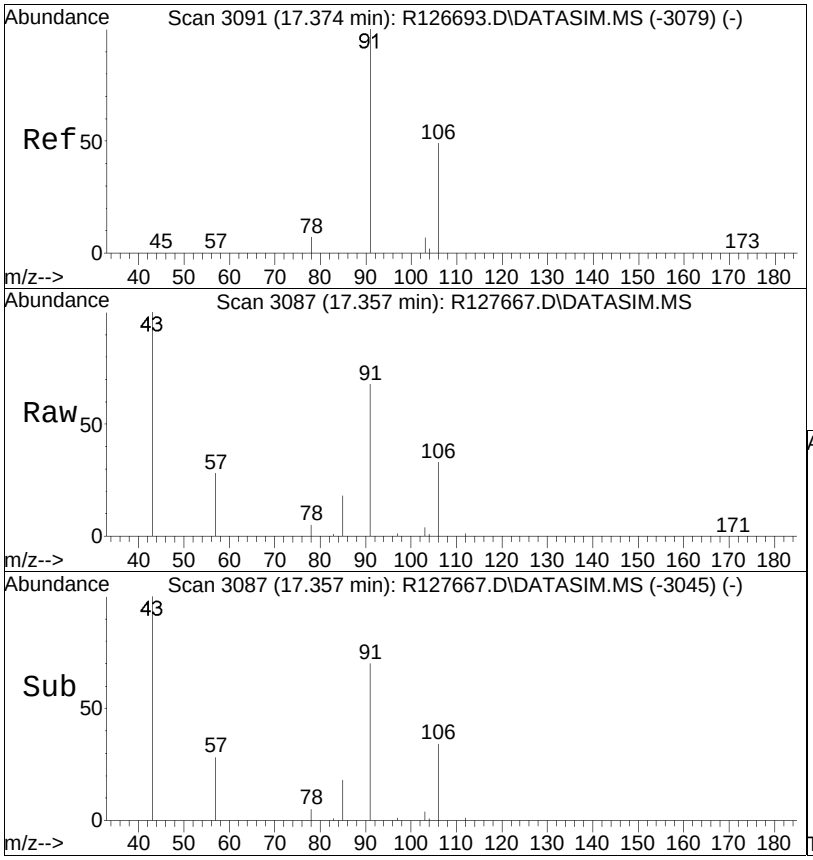


#58
ethylbenzene
Concen: 1.60 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 91 Resp: 119956

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.3	37.9

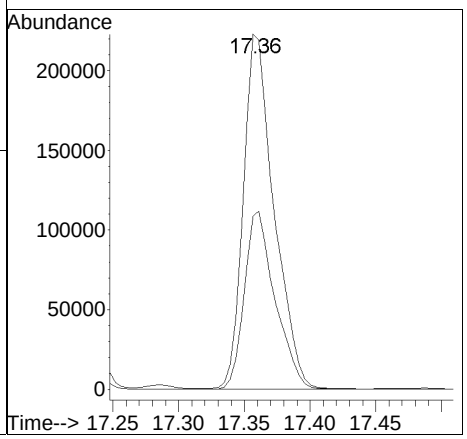


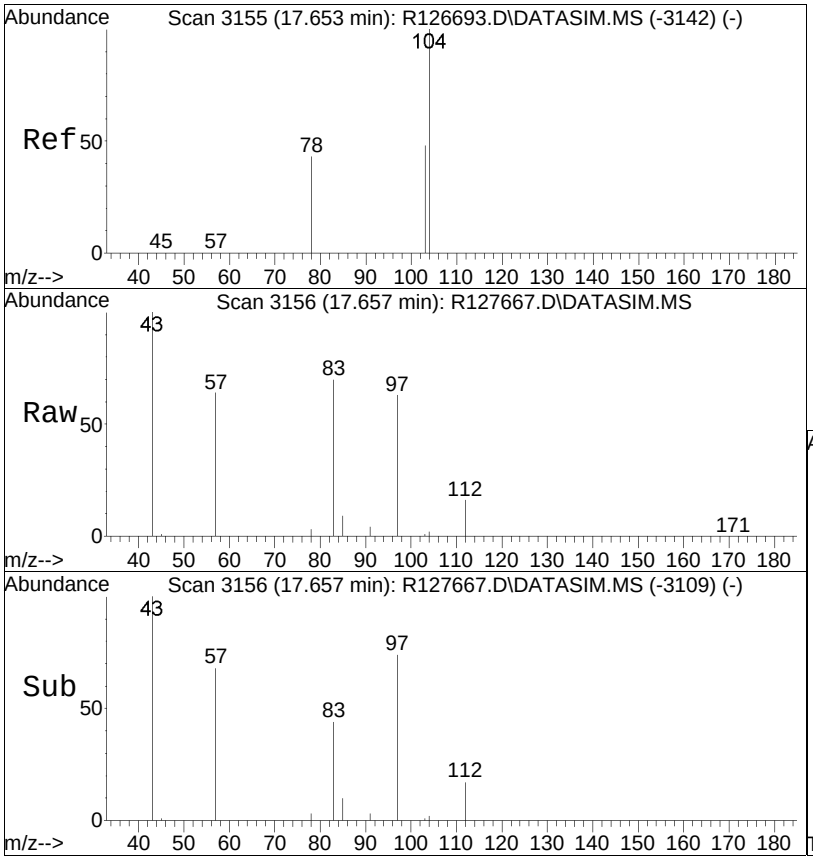


#59
m+p-xylene
Concen: 6.20 ppbV
RT: 17.36 min Scan# 3087
Delta R.T. -0.017 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 91 Resp: 361757

Ion	Ratio	Lower	Upper
91	100		
106	48.8	40.0	60.0

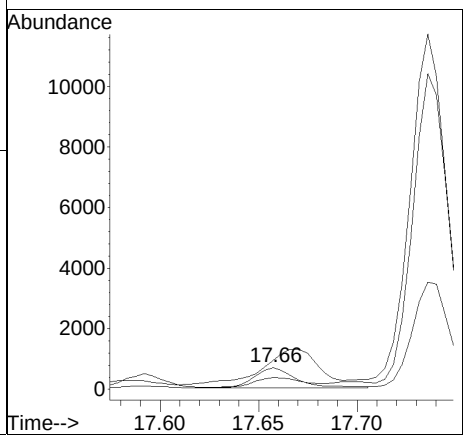


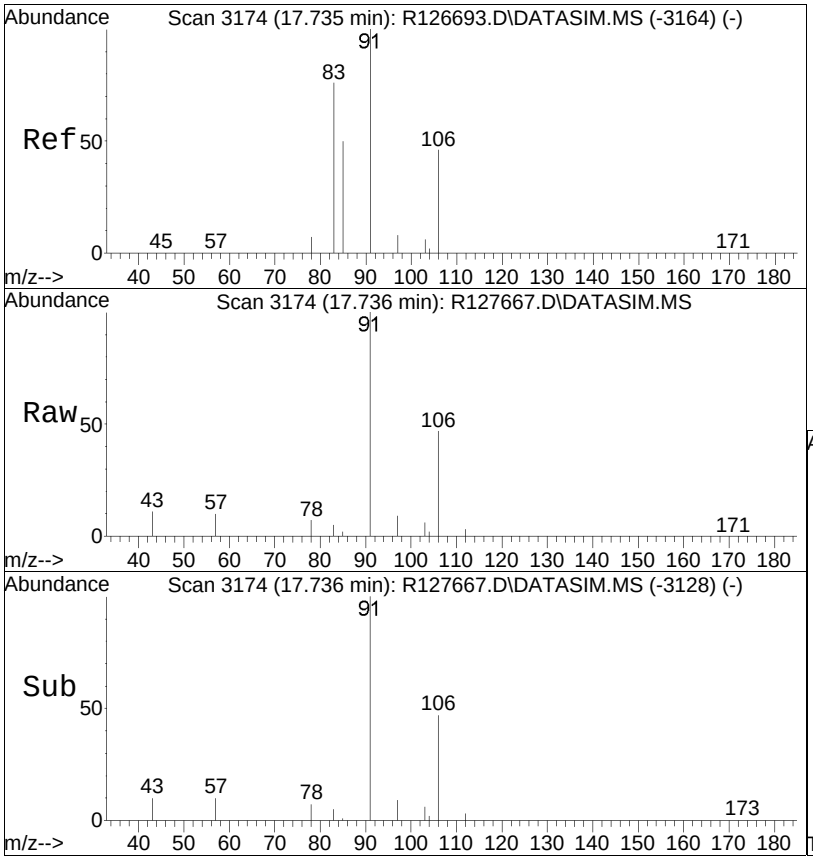


#61
styrene
Concen: 0.02 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.005 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:104 Resp: 966

Ion	Ratio	Lower	Upper
104	100		
103	54.3	38.3	57.5
78	133.1	35.0	52.6#

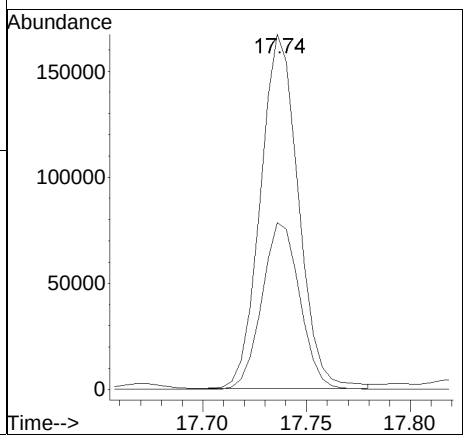


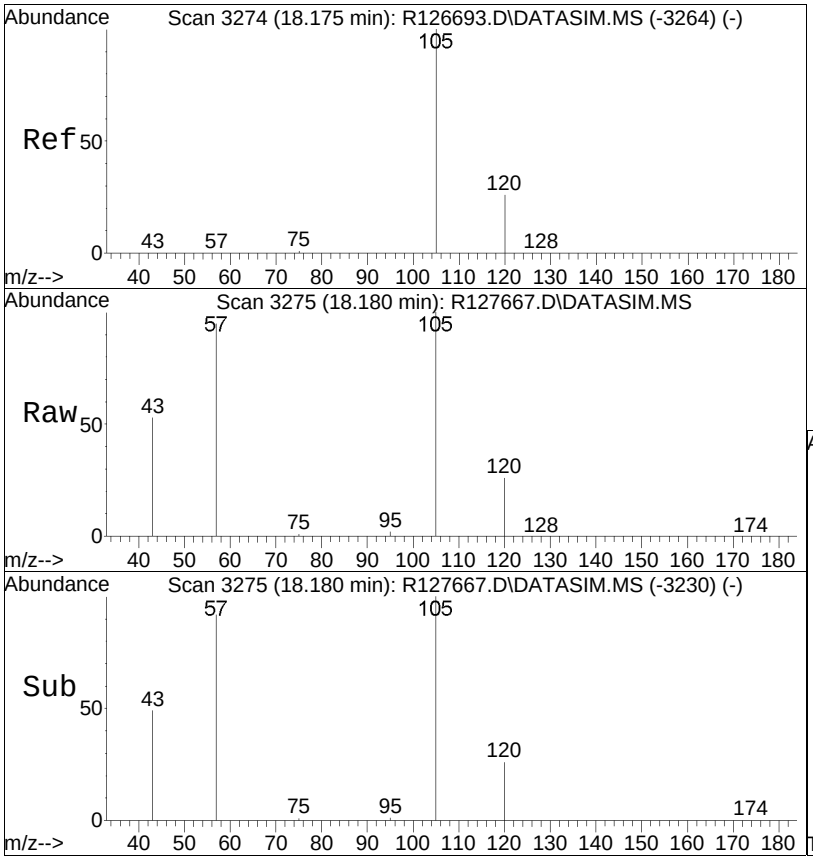


#63
o-xylene
Concen: 3.49 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 91 Resp: 212102

Ion	Ratio	Lower	Upper
91	100		
106	46.9	37.1	55.7

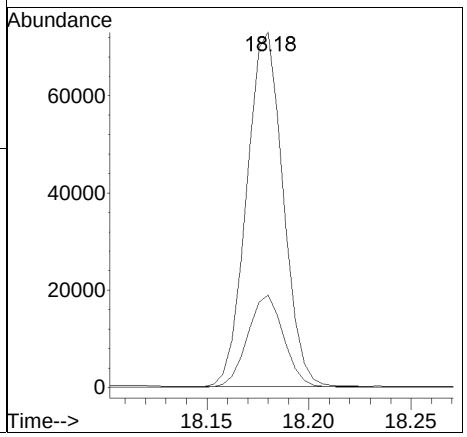


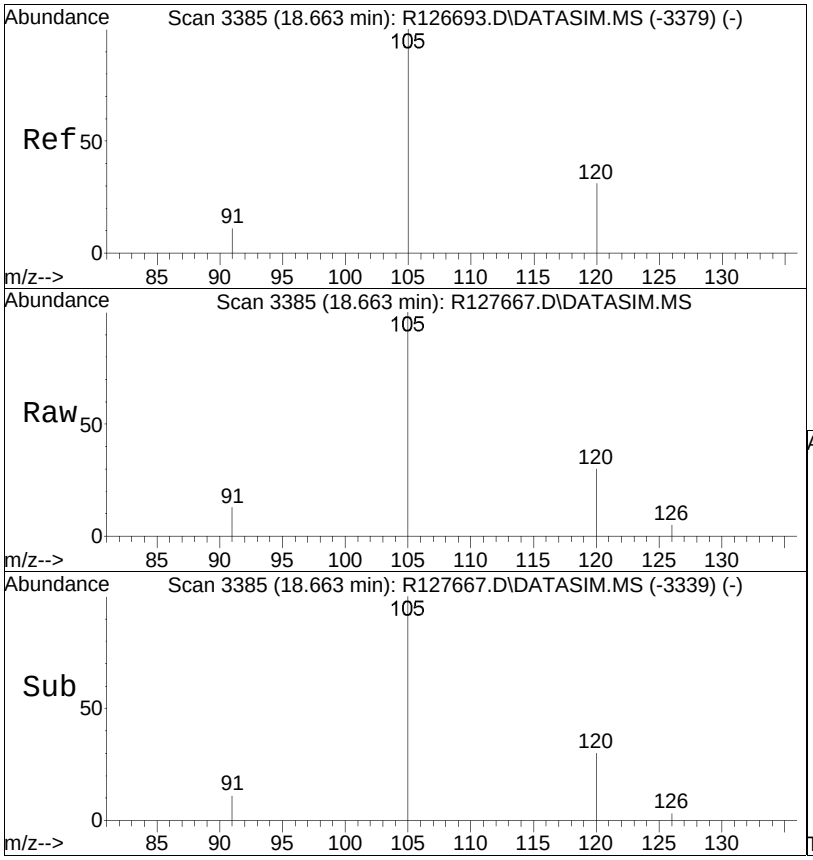


#65
isopropylbenzene
Concen: 1.01 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:105 Resp: 90468

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1

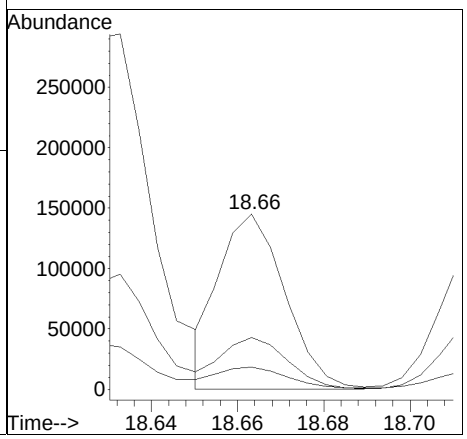


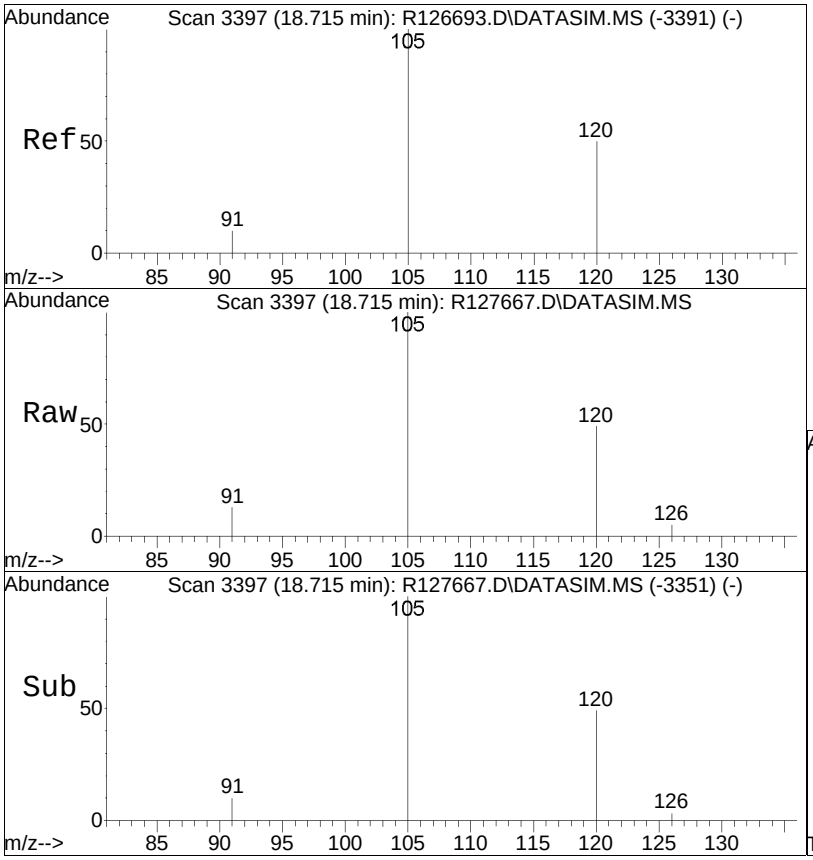


#66
4-ethyl toluene
Concen: 1.75 ppbV m
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:105 Resp: 154392

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.7	35.5
91	12.7	8.5	12.7#

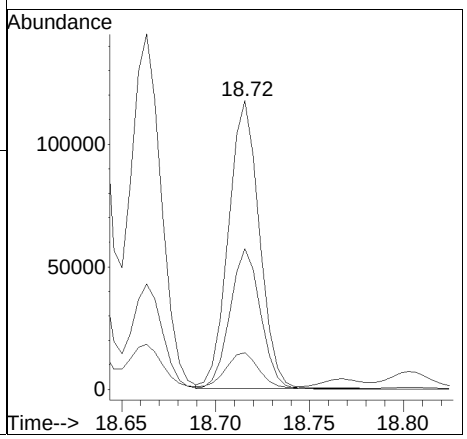


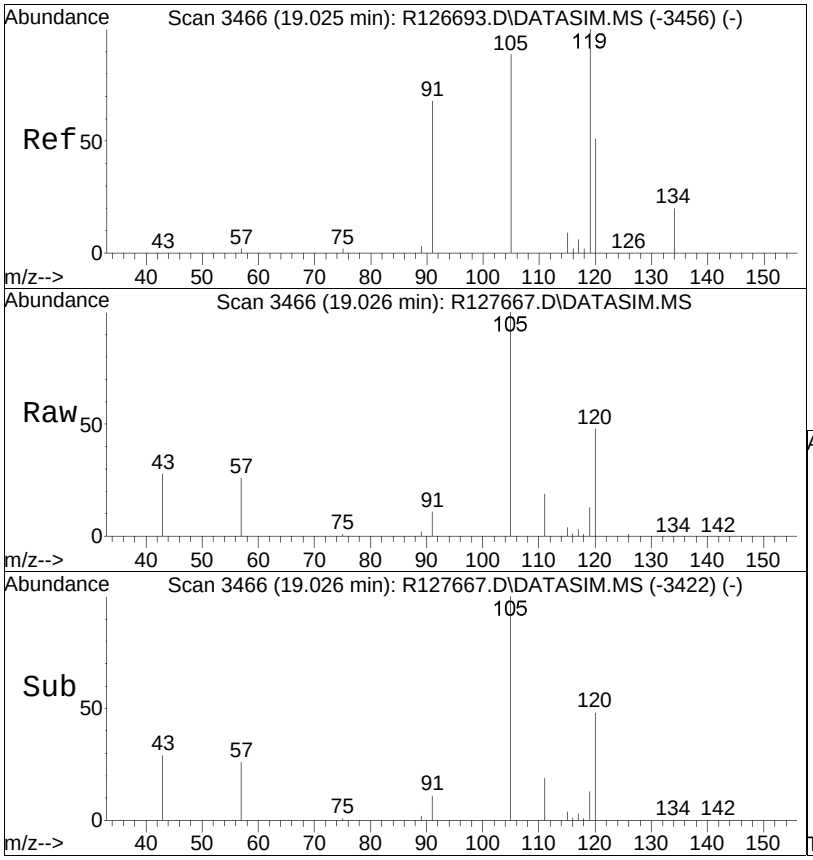


#67
1,3,5-trimethylbenzene
Concen: 1.85 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:105 Resp: 134469

Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.0	58.4
91	12.7	8.0	12.0#

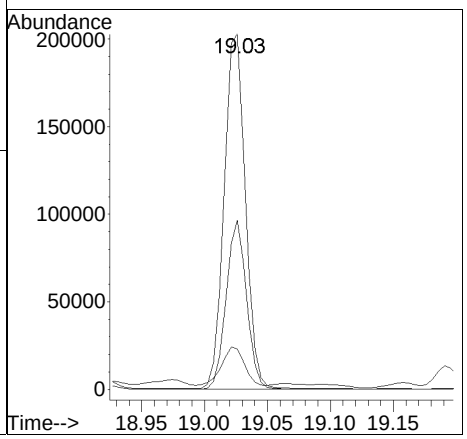


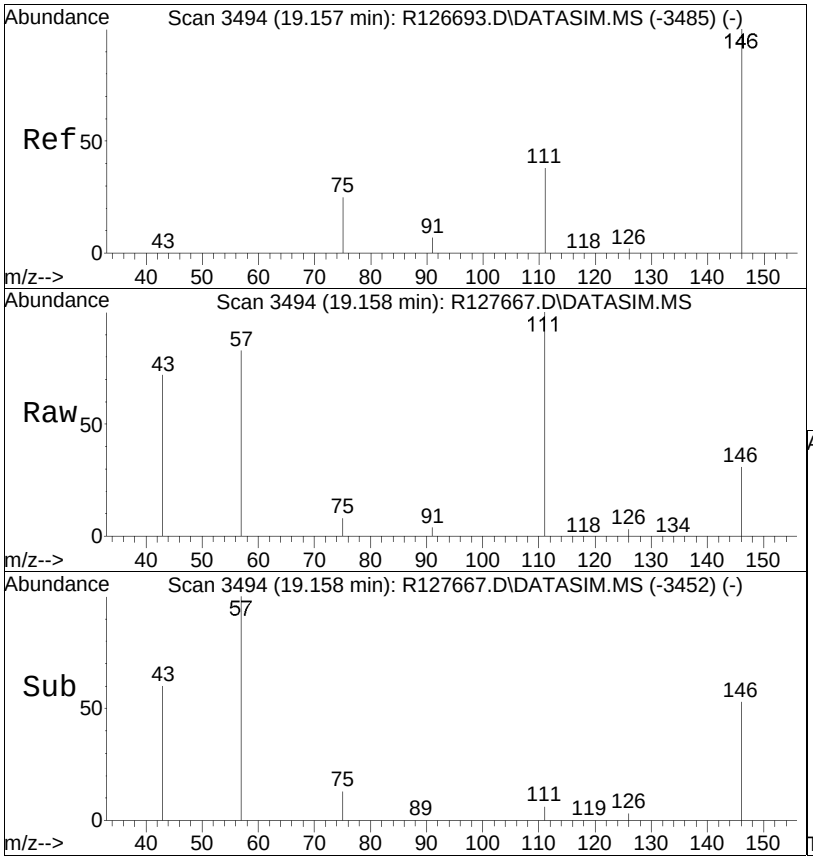


#69
1,2,4-trimethylbenzene
Concen: 3.28 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:105 Resp: 237897

Ion	Ratio	Lower	Upper
105	100		
120	47.6	44.9	67.3
91	11.4	58.6	88.0#

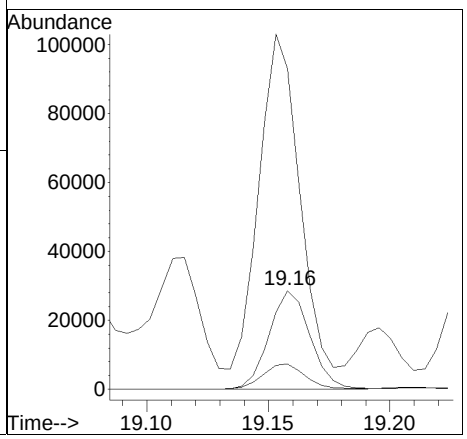


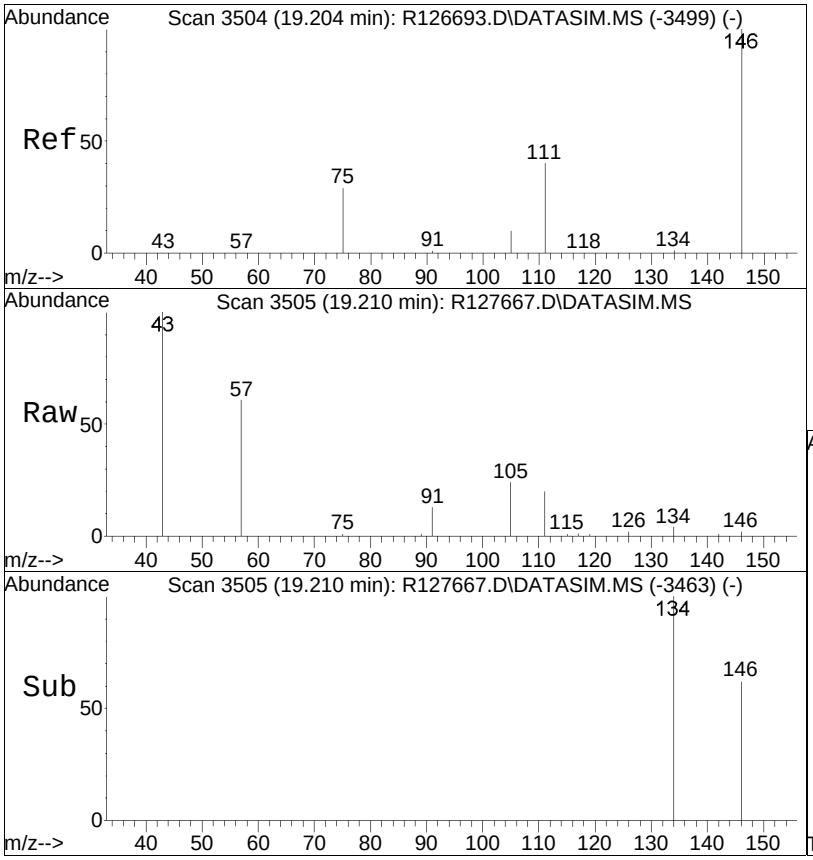


#71
1,3-dichlorobenzene
Concen: 0.61 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:146 Resp: 33526

Ion	Ratio	Lower	Upper
146	100		
111	325.3	29.5	44.3#
75	25.9	19.5	29.3

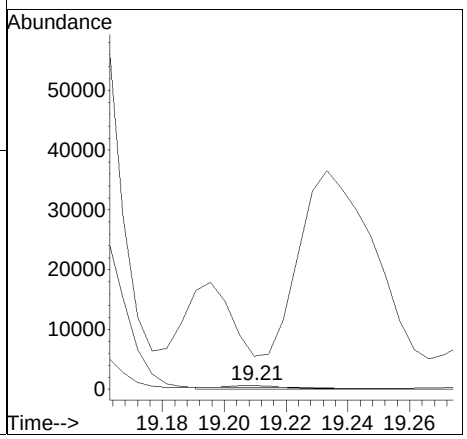


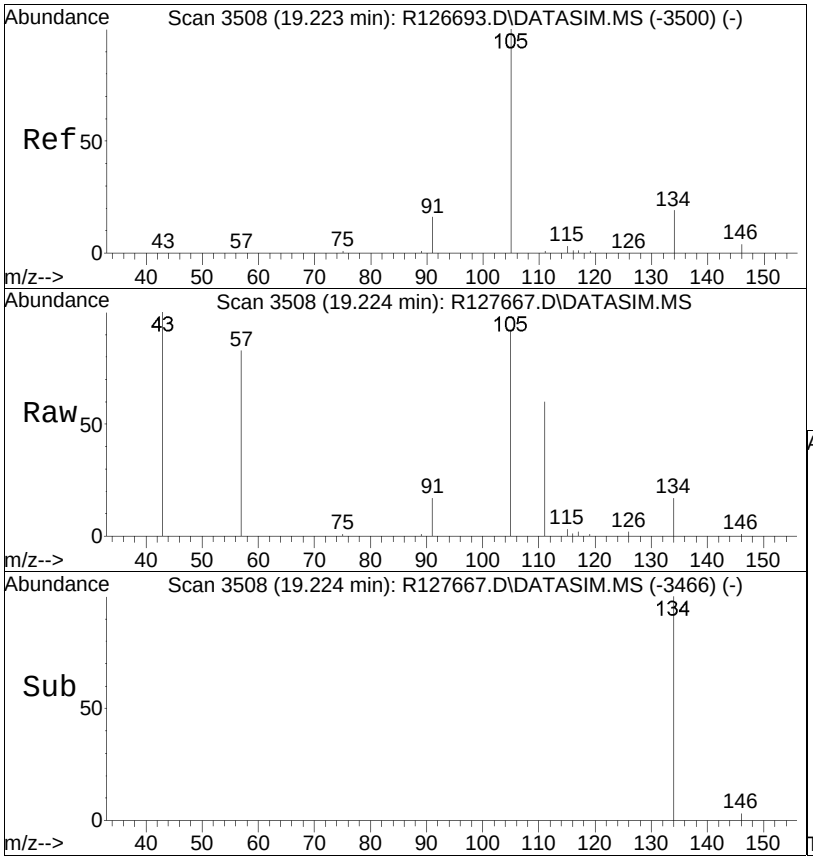


#72
1,4-dichlorobenzene
Concen: 0.02 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:146 Resp: 900

Ion	Ratio	Lower	Upper
146	100		
111	841.2	26.4	39.6#
75	55.2	18.0	27.0#

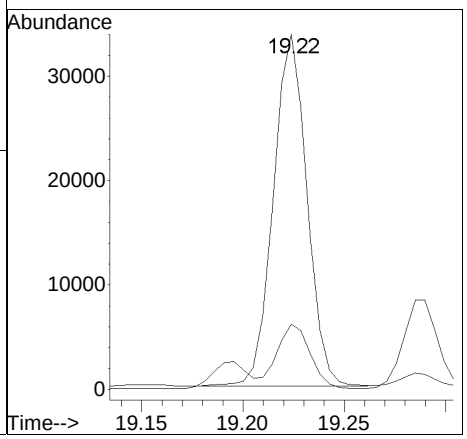


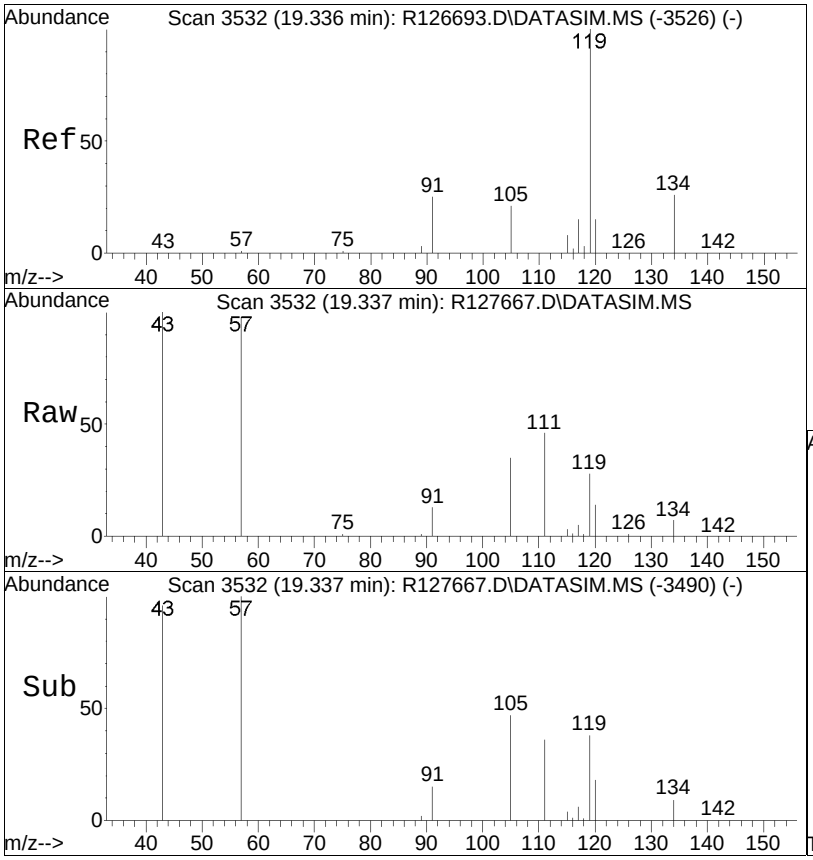


#73
sec-butylbenzene
Concen: 0.34 ppbV
RT: 19.22 min Scan# 3508
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:105 Resp: 38994

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.3	21.5

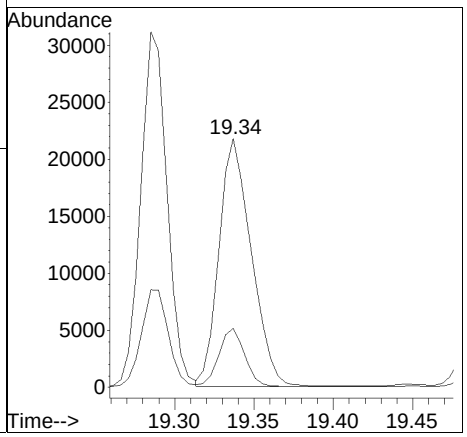


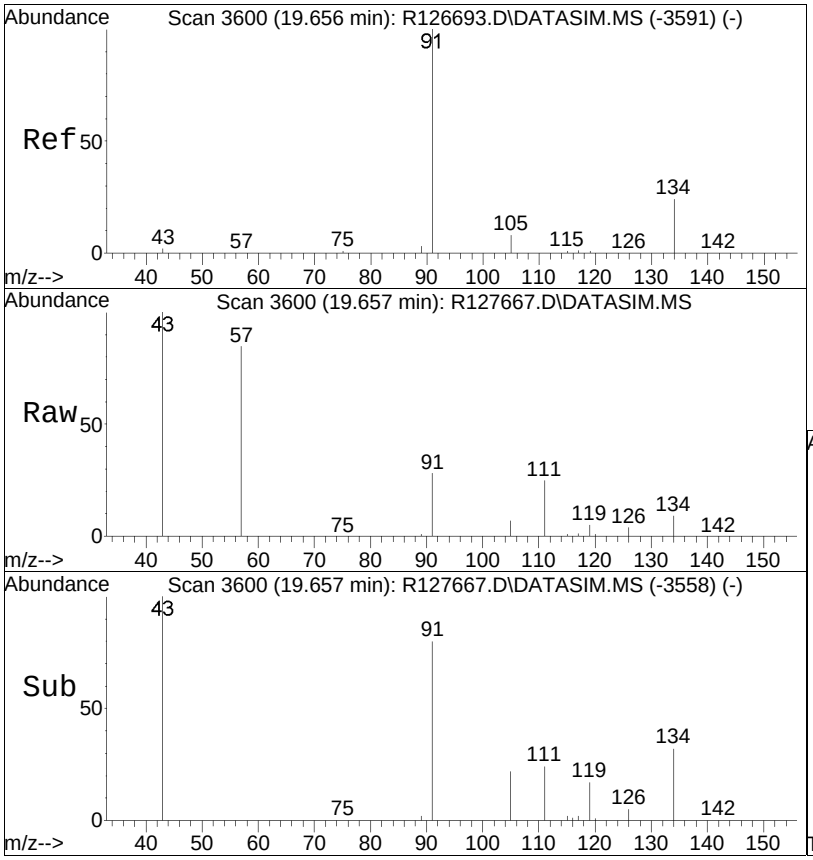


#74
p-isopropyltoluene
Concen: 0.31 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:119 Resp: 30728

Ion	Ratio	Lower	Upper
119	100		
134	23.7	20.4	30.6

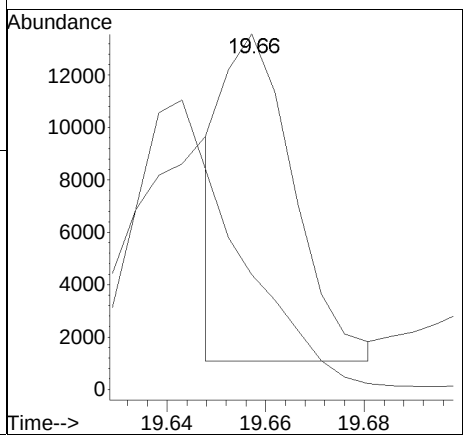


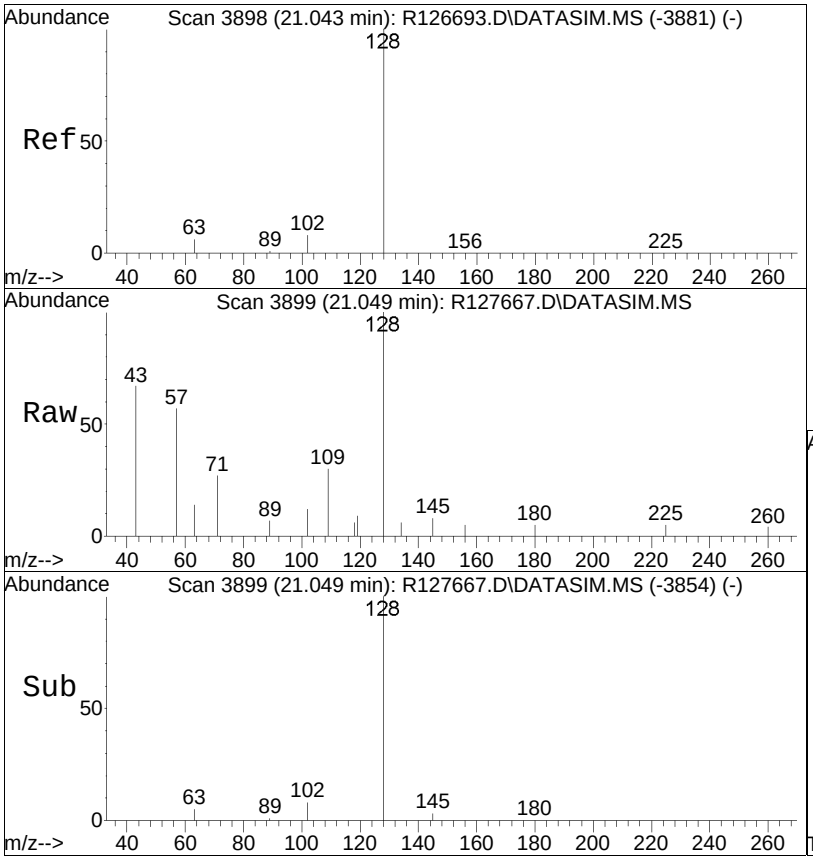


#76
n-butylbenzene
Concen: 0.14 ppbV m
RT: 19.66 min Scan# 3600
Delta R.T. 0.000 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion: 91 Resp: 12491

Ion	Ratio	Lower	Upper
91	100		
134	32.3	18.6	28.0#

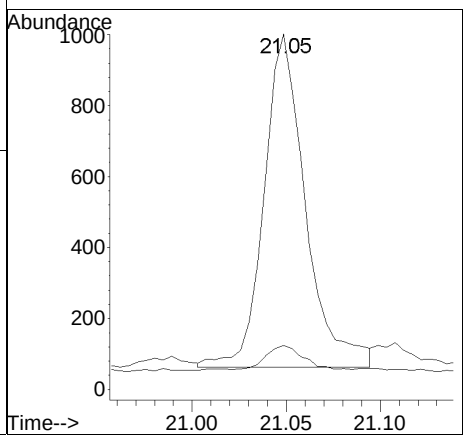




#78
naphthalene
Concen: 0.01 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127667.D
Acq: 15 Apr 2013 5:38 pm

Tgt Ion:128 Resp: 1451

Ion	Ratio	Lower	Upper
128	100		
102	12.4	6.2	9.2#

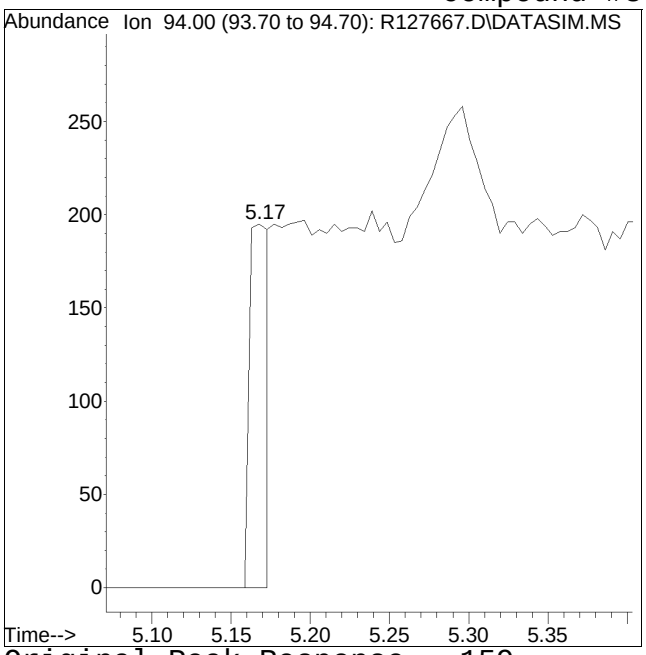


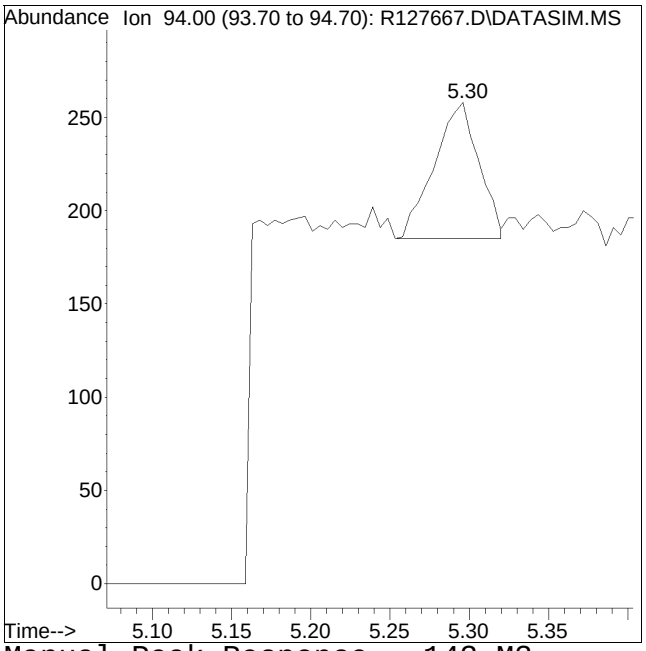
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #8: bromomethane





Original Peak Response = 159 Manual Peak Response = 143 M3

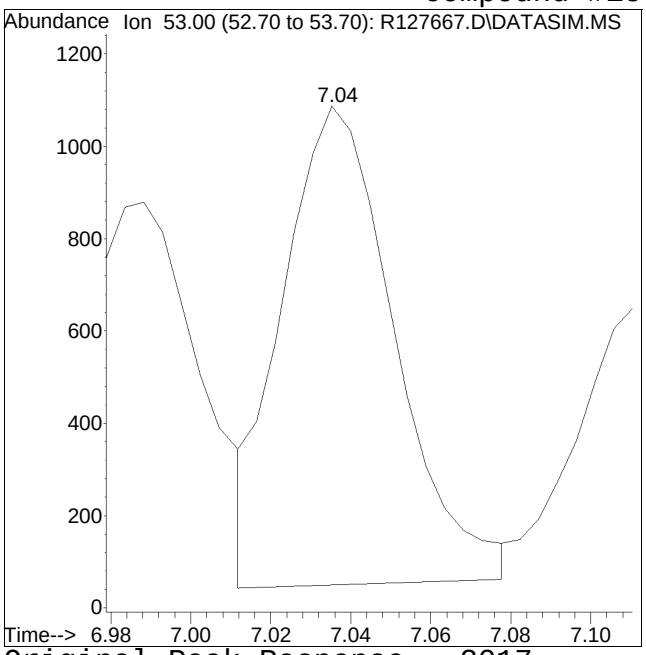
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

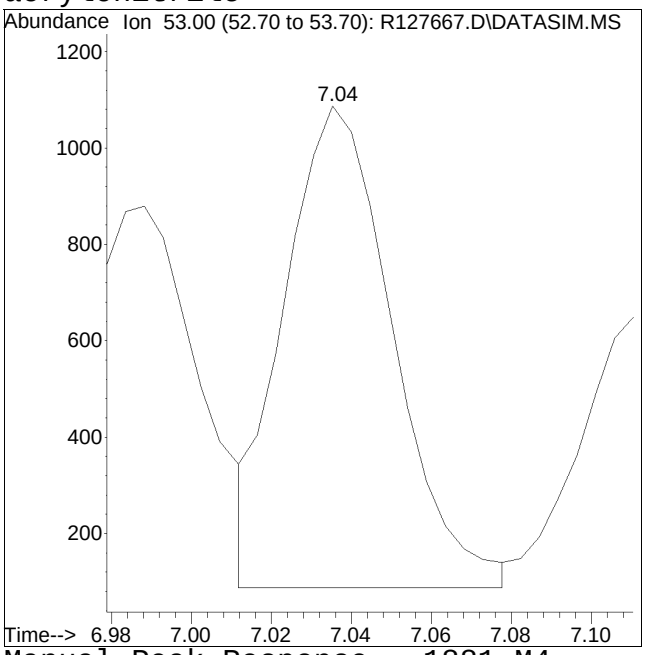
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #15: acrylonitrile



Original Peak Response = 2017



Manual Peak Response = 1881 M4

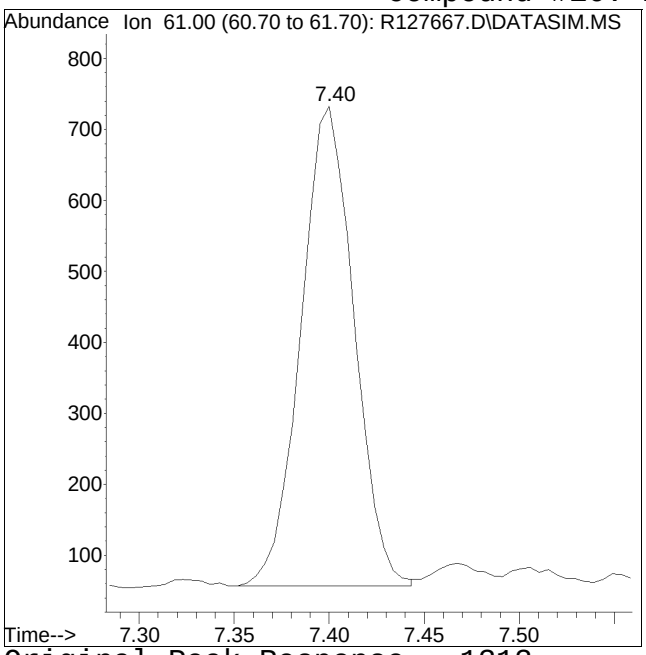
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

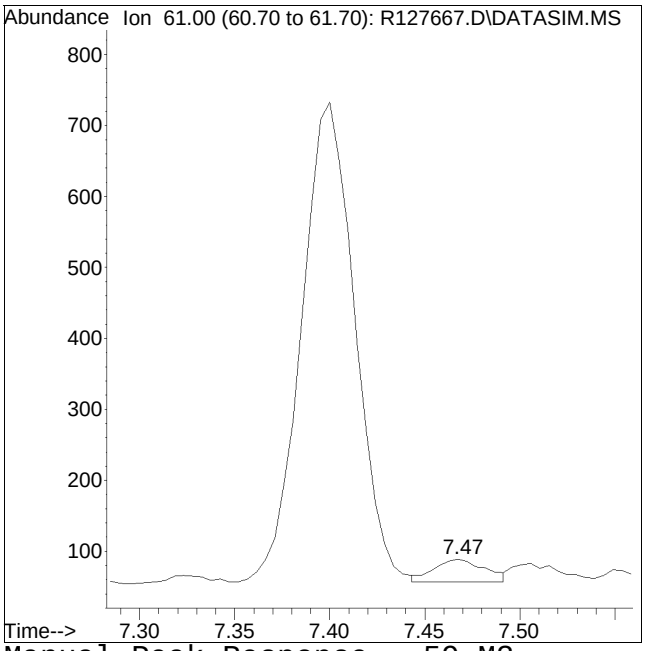
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #16: 1,1-dichloroethene



Original Peak Response = 1313



Manual Peak Response = 59 M3

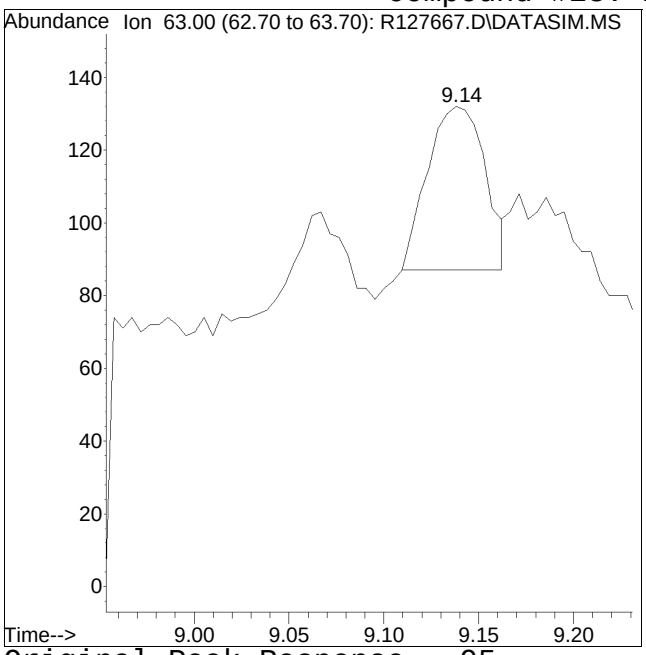
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

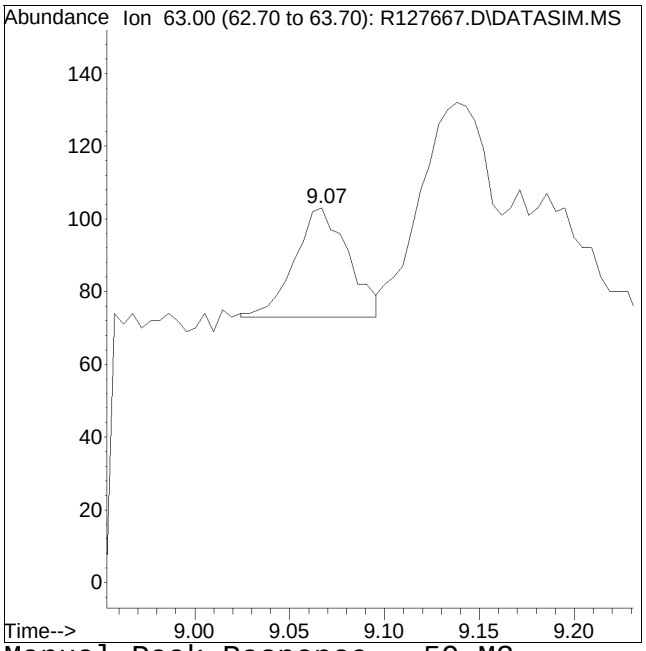
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #23: 1,1-dichloroethane



Original Peak Response = 95



Manual Peak Response = 59 M3

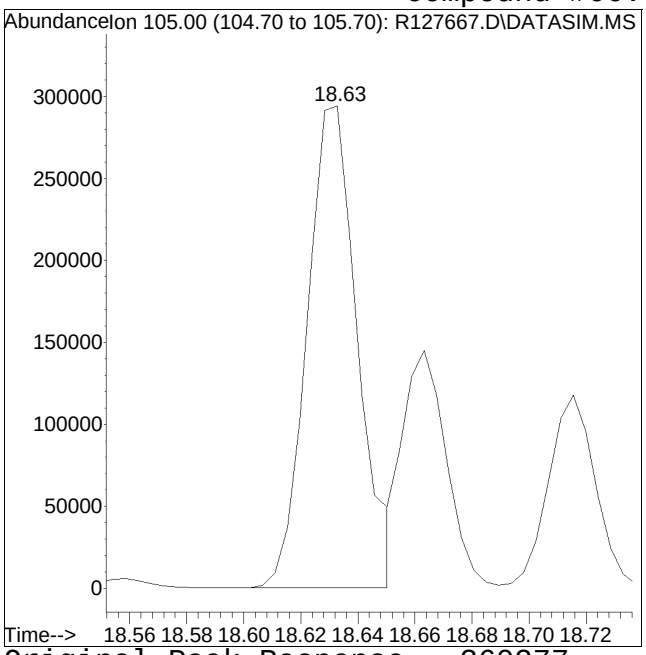
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

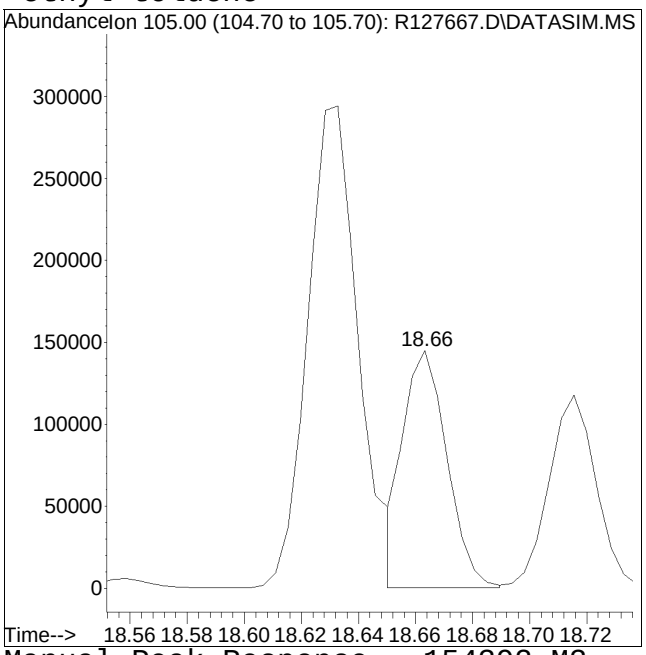
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #66: 4-ethyl toluene



Original Peak Response = 360277



Manual Peak Response = 154392 M3

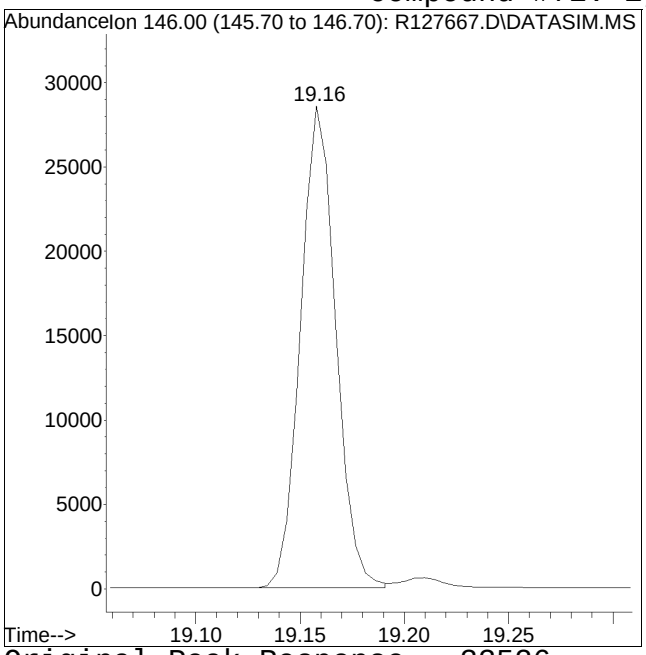
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

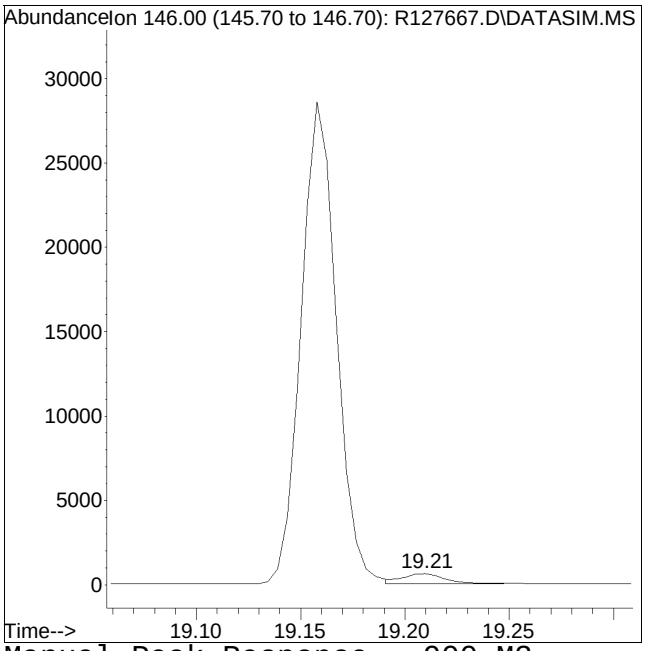
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 33526



Manual Peak Response = 900 M3

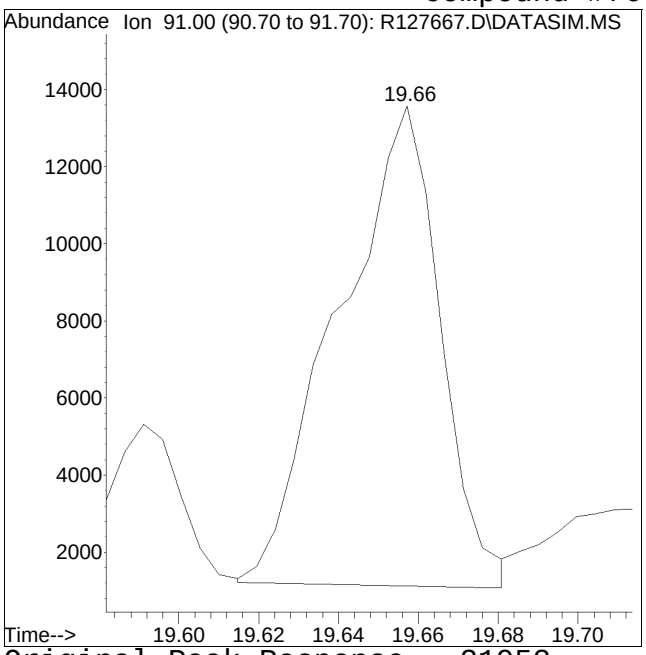
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

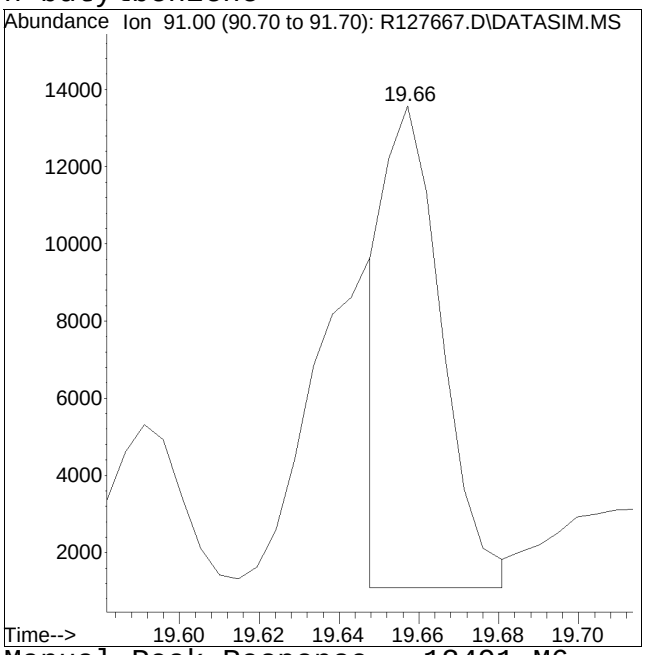
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #76: n-butylbenzene



Original Peak Response = 21952



Manual Peak Response = 12491 M6

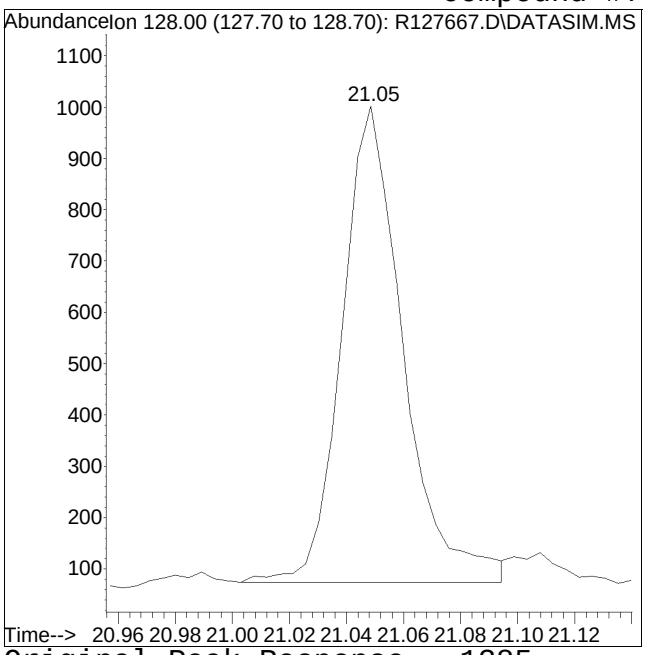
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

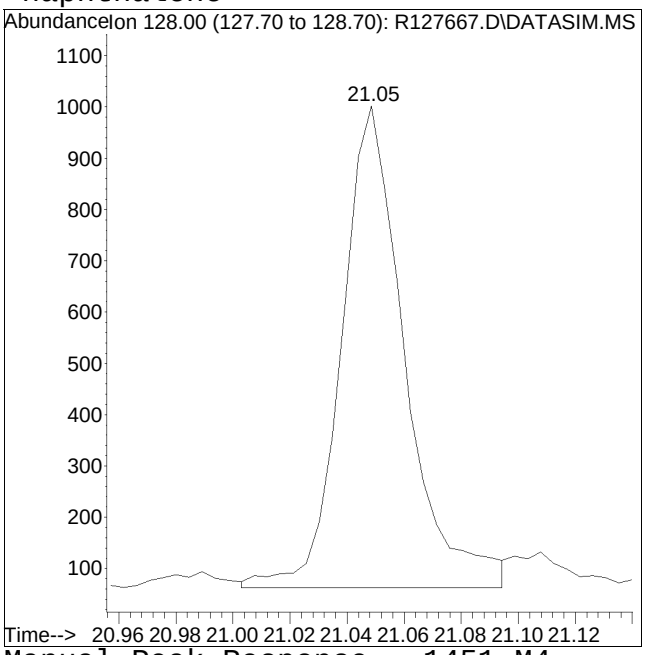
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127667.D
Date Inj'd : 4/15/2013 5:38 pm
Sample : L1306330-02D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #78: naphthalene



Original Peak Response = 1385



Manual Peak Response = 1451 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127668.D
Acq On : 15 Apr 2013 6:10 pm
Operator : AIRPIANO1:MB
Sample : L1306330-03,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 11:22:20 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	278579	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 100.37%			
32) 1,4-difluorobenzene	12.49	114	573004	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 100.72%			
49) chlorobenzene-D5	16.90	54	143586	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 103.99%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	15341	0.425	ppbV	99
4) chloromethane	4.40	50	4639	0.244	ppbV	98
5) Freon-114	4.55	85	531	0.013	ppbV #	93
6) vinyl chloride	4.70		0	N.D.		
7) 1,3-butadiene	4.91		0	N.D.		
8) bromomethane	5.30		0	N.D.		
9) chloroethane	5.55	64	107	0.015	ppbV #	1
12) acetone	6.40	43	491040	16.291	ppbV	98
13) trichlorofluoromethane	6.62	101	8181	0.189	ppbV	100
15) acrylonitrile	7.04	53	260M4	0.018	ppbV	
16) 1,1-dichloroethene	7.47		0	N.D.		
17) methylene chloride	7.64	49	28932	1.148	ppbV	98
20) Freon 113	7.99	101	1831	0.061	ppbV	98
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.18	73	196M6	0.005	ppbV	
26) 2-butanone	9.57	43	64361	1.362	ppbV	97
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	470	0.014	ppbV #	1
31) 1,2-dichloroethane	11.28	62	239	0.010	ppbV #	49
35) 1,1,1-trichloroethane	11.56	97	7358	0.240	ppbV	97
36) benzene	12.09	78	7039	0.155	ppbV	99
37) carbon tetrachloride	12.25	117	11100	0.330	ppbV	98
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	1870	0.084	ppbV	97
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	24784M4	0.482	ppbV	
47) trans-1,3-dichloropropene	14.84		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127668.D
Acq On : 15 Apr 2013 6:10 pm
Operator : AIRPIANO1:MB
Sample : L1306330-03,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 11:22:20 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

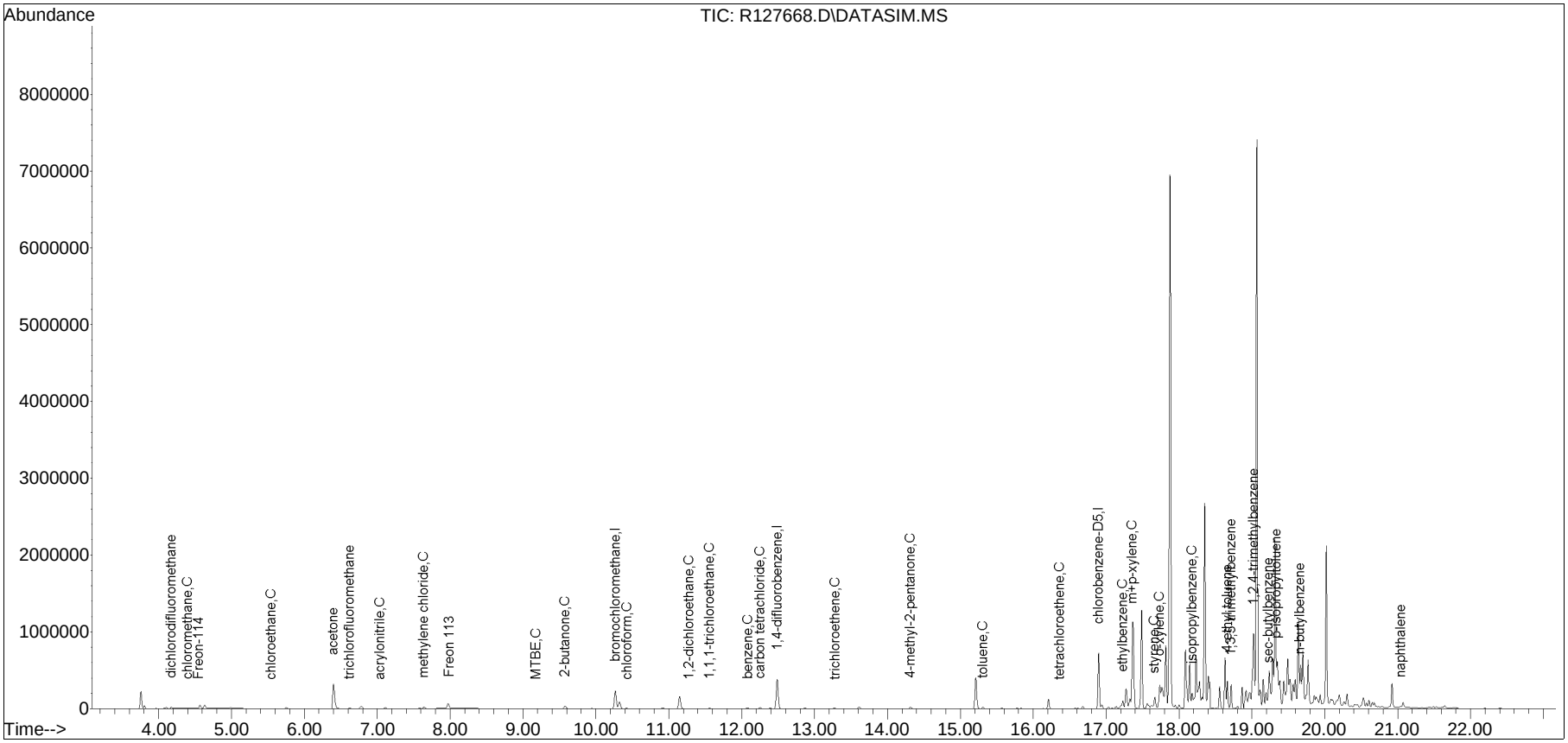
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	20364	0.350	ppbV	100
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.88		0	N.D.		
55) tetrachloroethene	16.36	166	257	0.009	ppbV #	83
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.		
57) chlorobenzene	0.00		0	N.D.	d	
58) ethylbenzene	17.23	91	92657	1.243	ppbV	99
59) m+p-xylene	17.36	91	316077	5.453	ppbV	99
60) bromoform	17.45		0	N.D.		
61) styrene	17.66	104	1082	0.024	ppbV #	45
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d	
63) o-xylene	17.74	91	196170	3.248	ppbV	99
65) isopropylbenzene	18.18	105	95169	1.074	ppbV	100
66) 4-ethyl toluene	18.66	105	259931	2.960	ppbV	99
67) 1,3,5-trimethylbenzene	18.72	105	220081	3.054	ppbV	99
69) 1,2,4-trimethylbenzene	19.03	105	483411	6.700	ppbV #	53
71) 1,3-dichlorobenzene	19.16		0	N.D.		
72) 1,4-dichlorobenzene	19.21		0	N.D.		
73) sec-butylbenzene	19.22	105	66734	0.593	ppbV	100
74) p-isopropyltoluene	19.34	119	93460	0.942	ppbV	98
75) 1,2-dichlorobenzene	19.47		0	N.D.		
76) n-butylbenzene	19.66	91	44125M6	0.492	ppbV	
77) 1,2,4-trichlorobenzene	20.92		0	N.D.		
78) naphthalene	21.04	128	17550	0.166	ppbV	97
79) 1,2,3-trichlorobenzene	21.30		0	N.D.		
80) hexachlorobutadiene	21.35		0	N.D.		

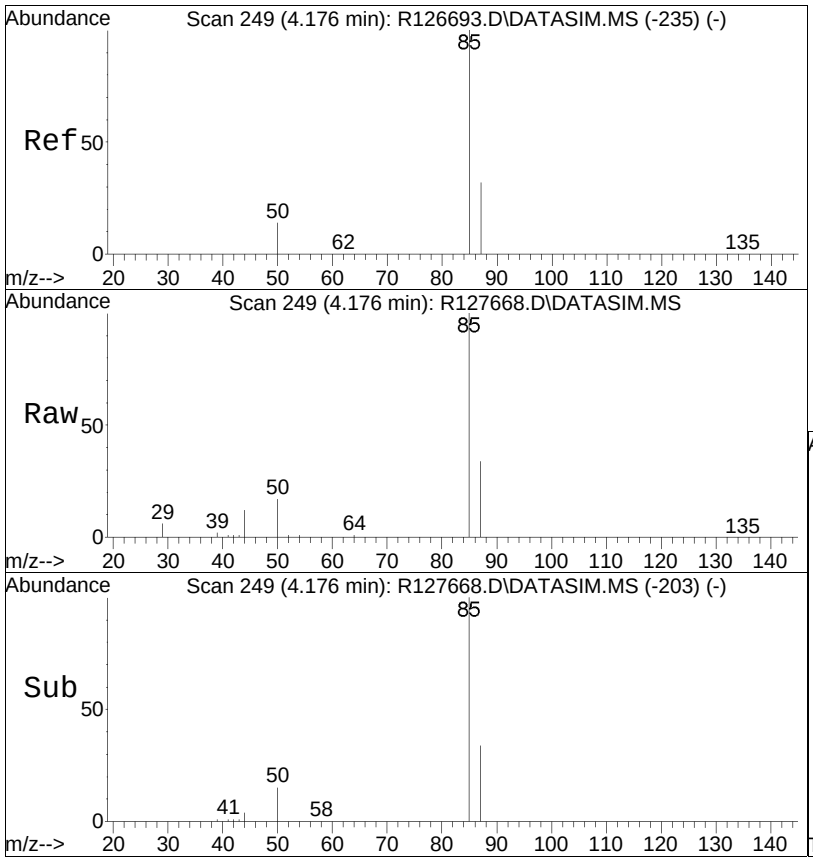
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127668.D
Acq On : 15 Apr 2013 6:10 pm
Operator : AIRPIANO1:MB
Sample : L1306330-03,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 11:22:20 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

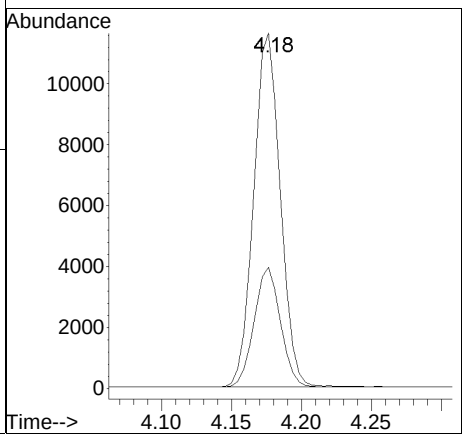


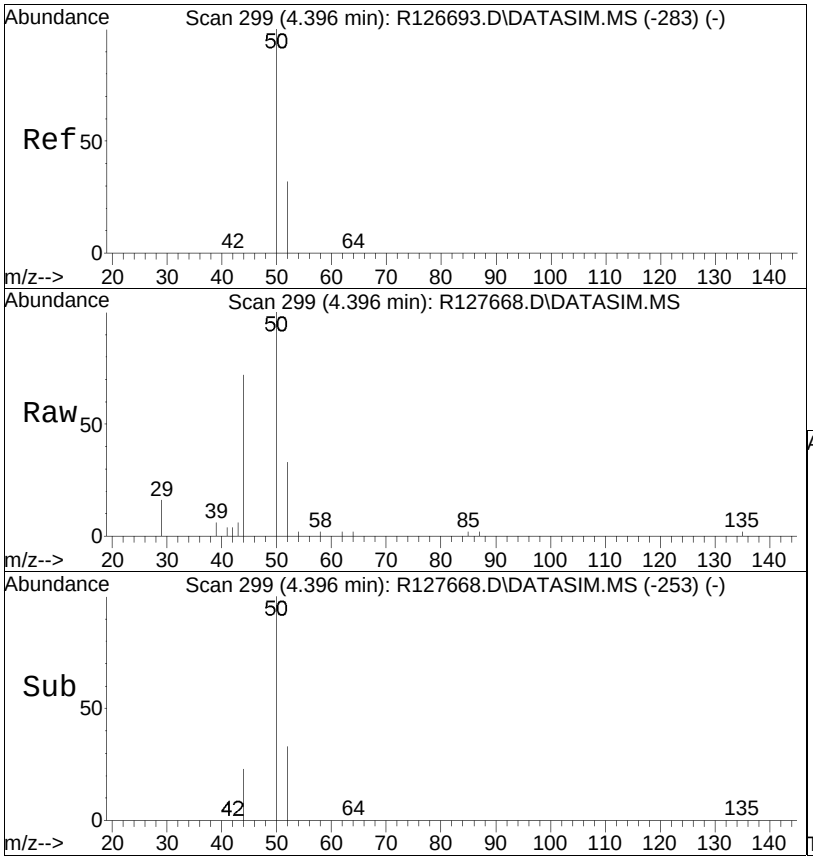


#3
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 85 Resp: 15341

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.6	40.0

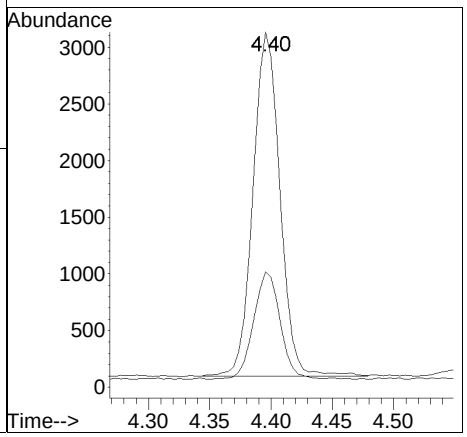


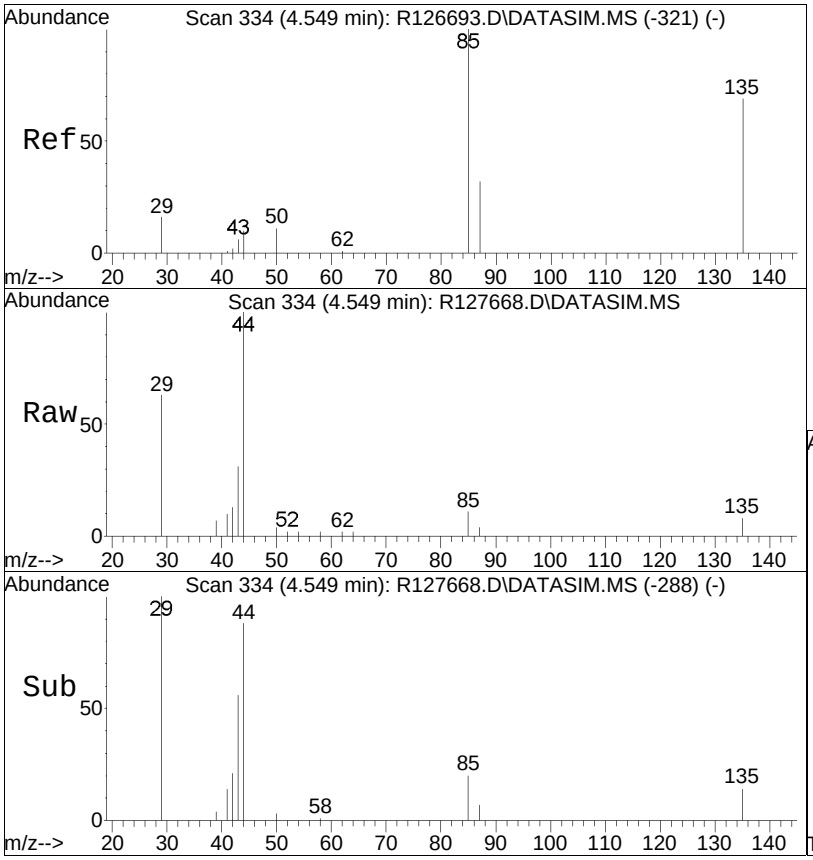


#4
chloromethane
Concen: 0.24 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 50 Resp: 4639

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.3	37.9

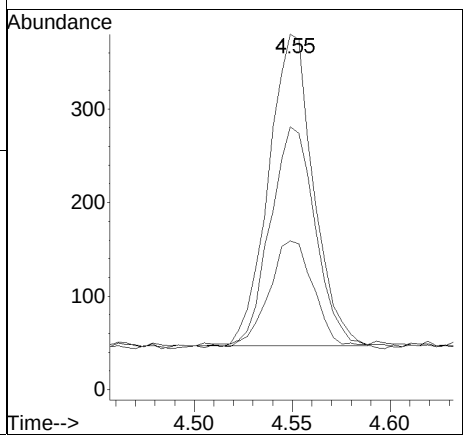


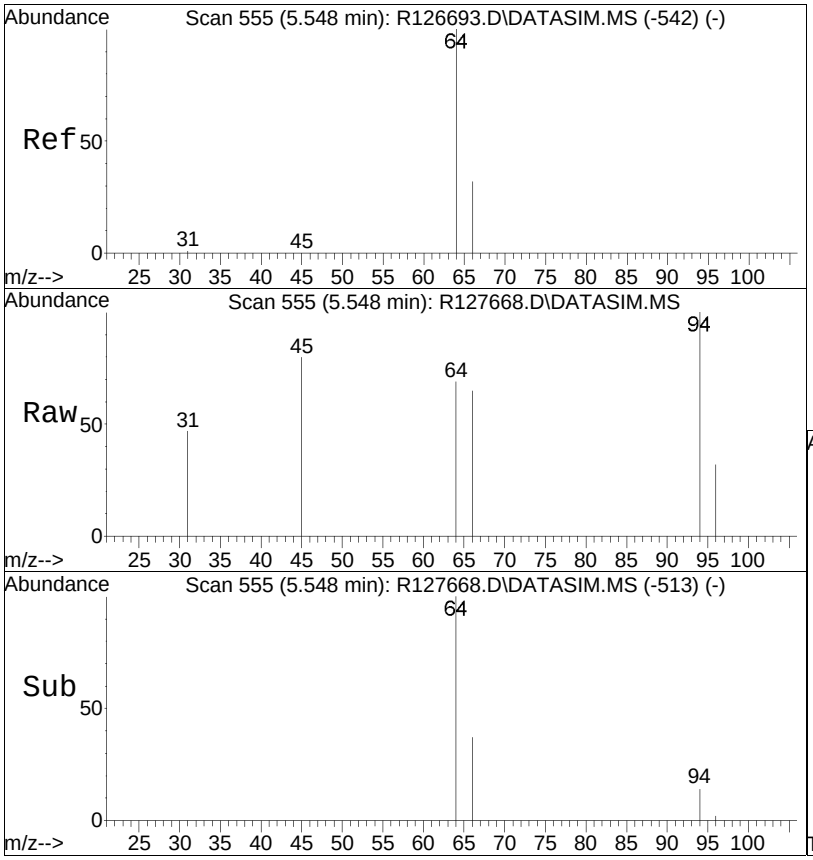


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 85 Resp: 531

Ion	Ratio	Lower	Upper
85	100		
87	41.8	26.5	39.7#
135	73.9	56.9	85.3

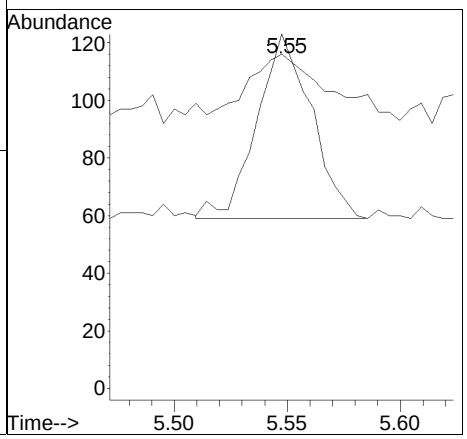


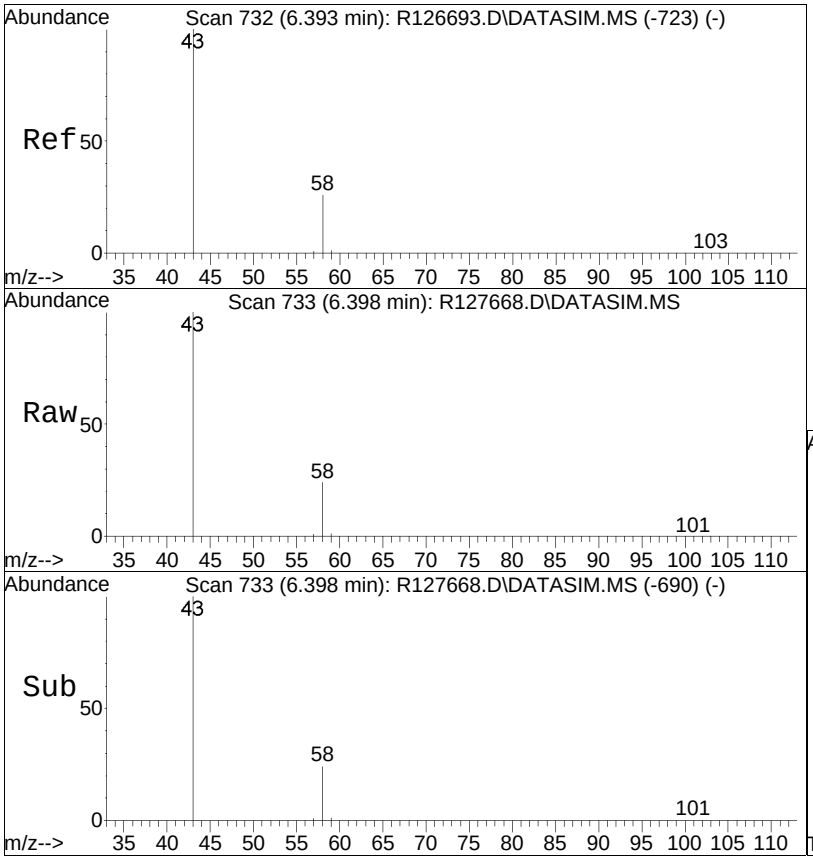


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 64 Resp: 107

Ion	Ratio	Lower	Upper
64	100		
66	94.3	25.5	38.3#

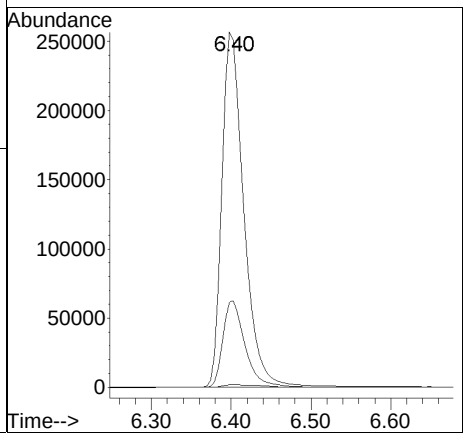


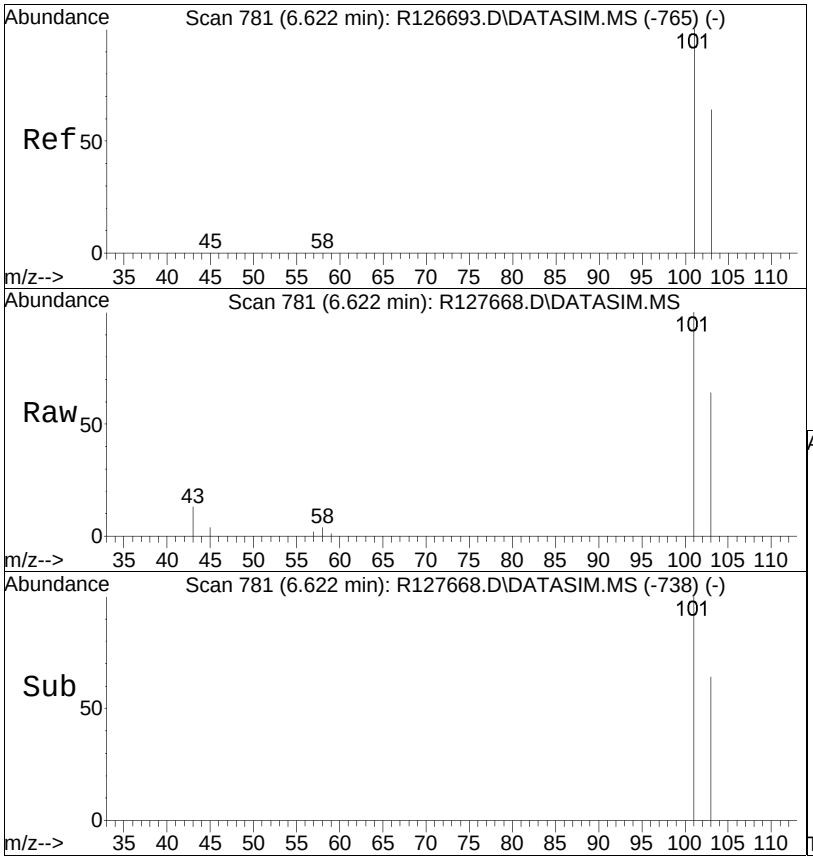


#12
acetone
Concen: 16.29 ppbV
RT: 6.40 min Scan# 733
Delta R.T. 0.005 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 43 Resp: 491040

Ion	Ratio	Lower	Upper
43	100		
58	23.9	20.0	30.0
57	0.8	0.6	1.0

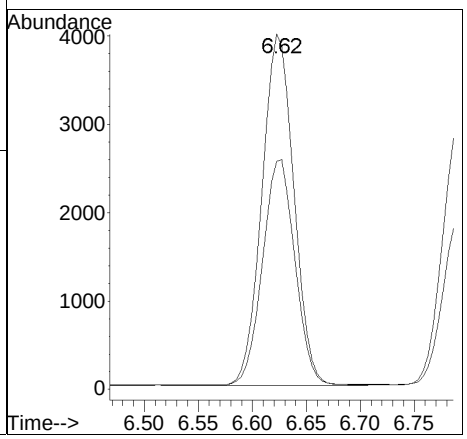


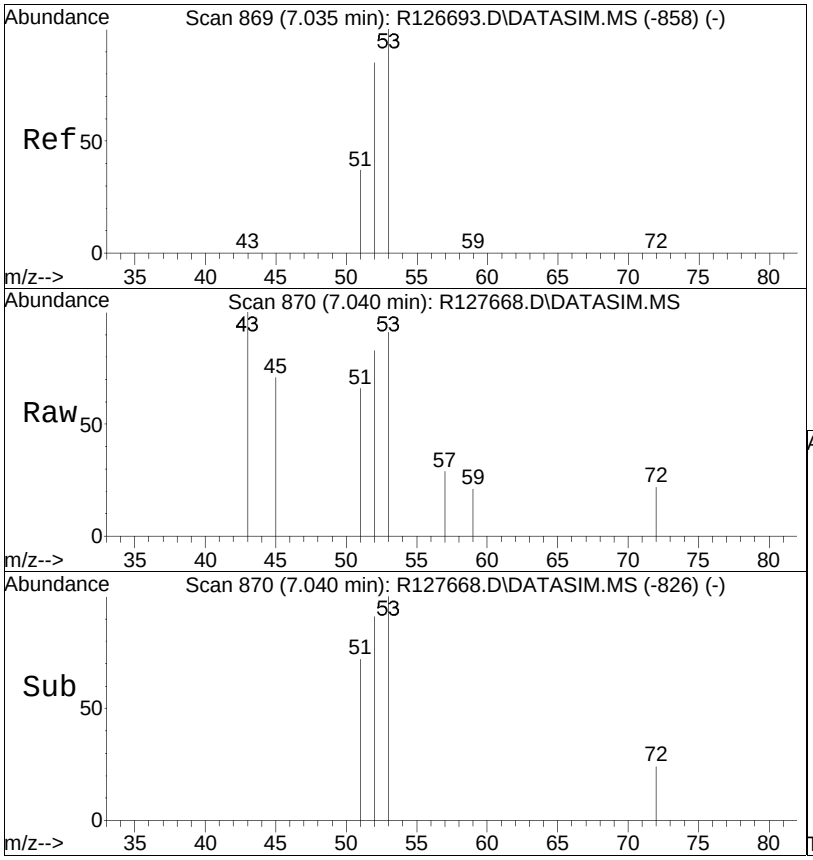


#13
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:101 Resp: 8181

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

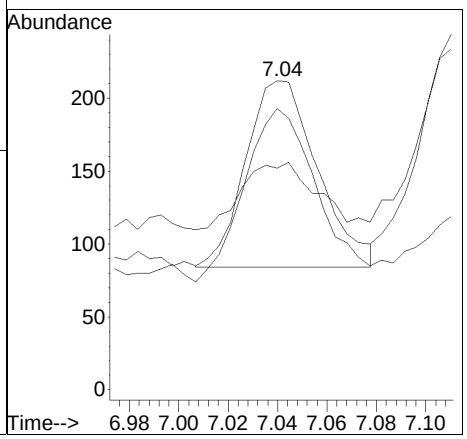


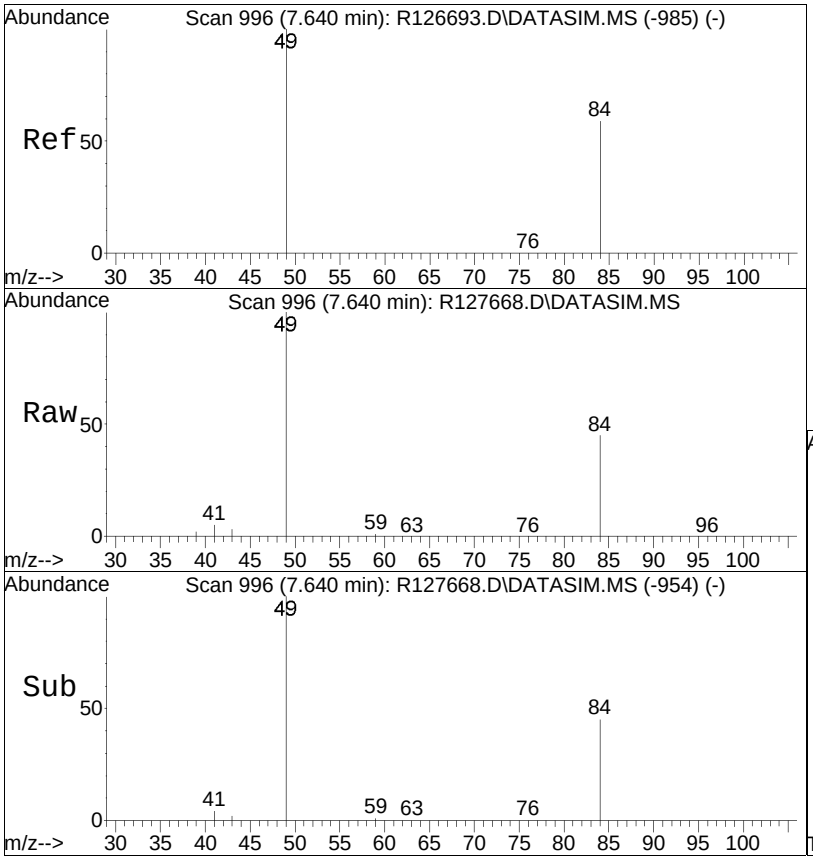


#15
acrylonitrile
Concen: 0.02 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 53 Resp: 260

Ion	Ratio	Lower	Upper
53	100		
52	91.0	68.5	102.7
51	71.7	30.1	45.1#

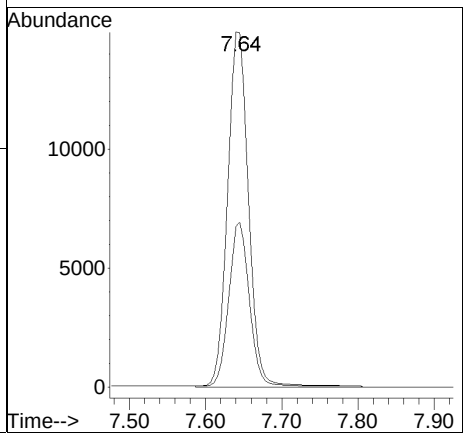


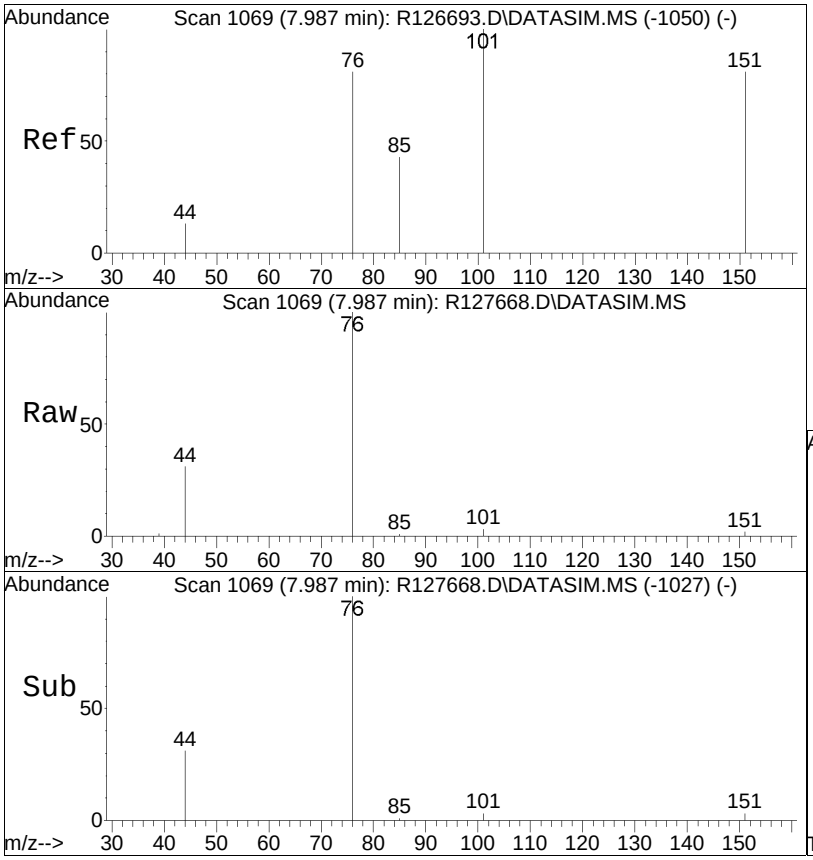


#17
methylene chloride
Concen: 1.15 ppbV
RT: 7.64 min Scan# 996
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 49 Resp: 28932

Ion	Ratio	Lower	Upper
49	100		
84	45.3	37.2	55.8

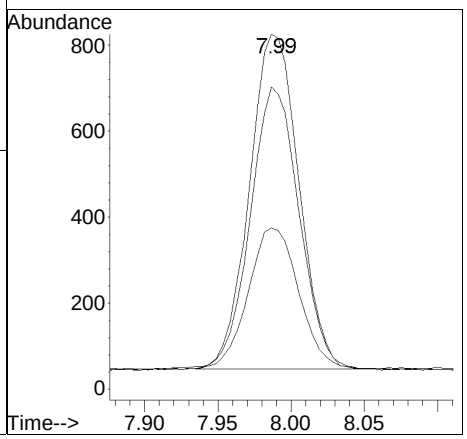


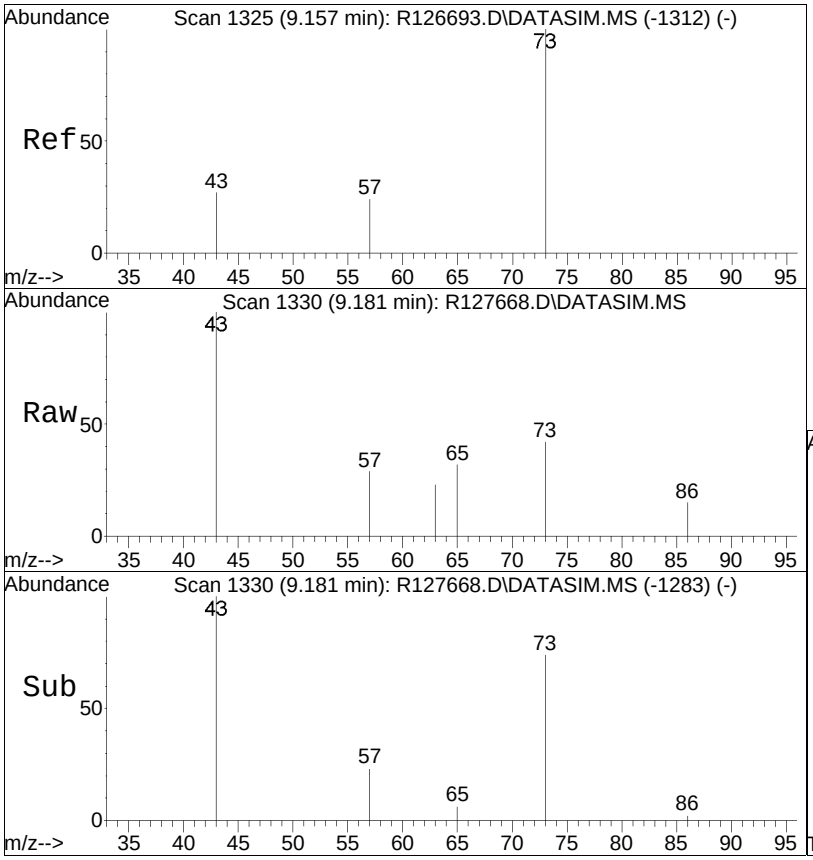


#20
Freon 113
Concen: 0.06 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:101 Resp: 1831

Ion	Ratio	Lower	Upper
101	100		
85	45.4	34.2	51.2
151	85.1	67.8	101.8

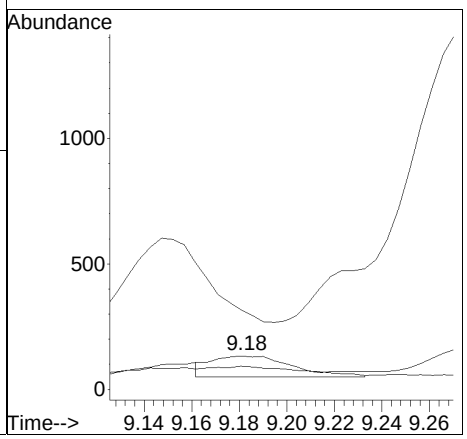


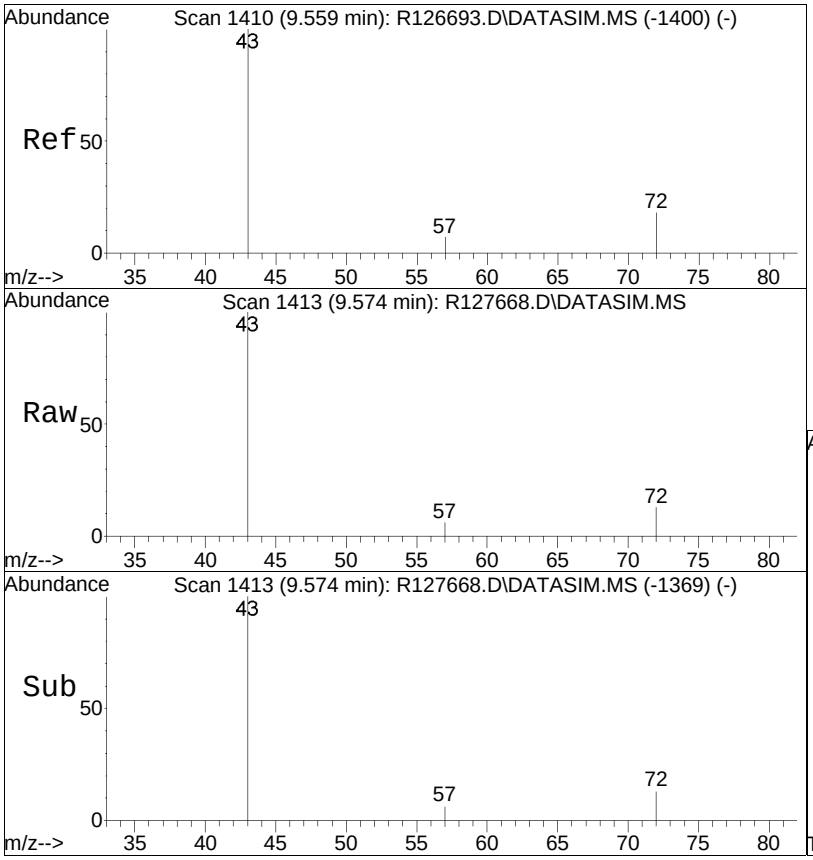


#24
MTBE
Concen: 0.01 ppbV m
RT: 9.18 min Scan# 1330
Delta R.T. 0.024 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 73 Resp: 196

Ion	Ratio	Lower	Upper
73	100		
57	69.4	23.3	34.9#
43	237.3	25.1	37.7#

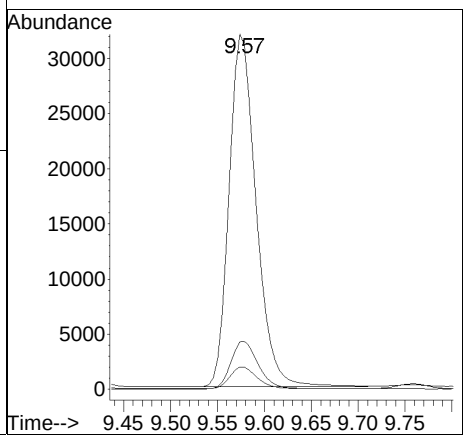


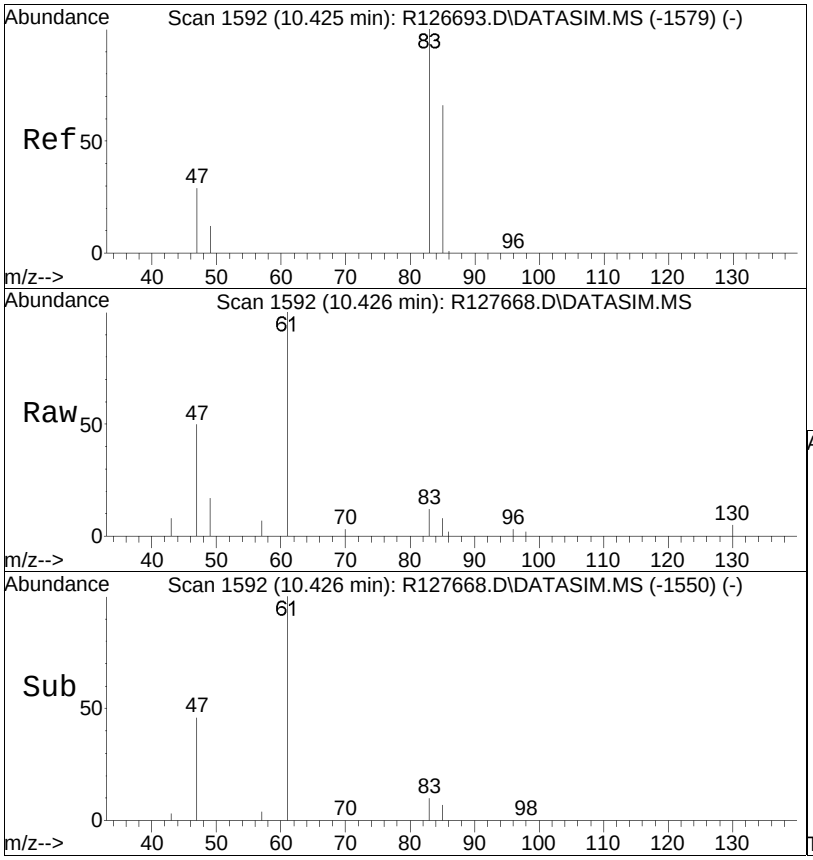


#26
2-butanone
Concen: 1.36 ppbV
RT: 9.57 min Scan# 1413
Delta R.T. 0.009 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 43 Resp: 64361

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	6.3	5.2	7.8

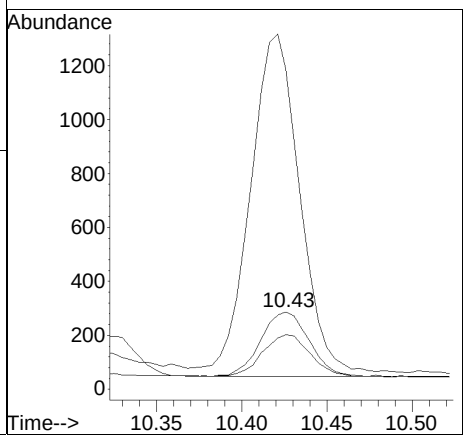


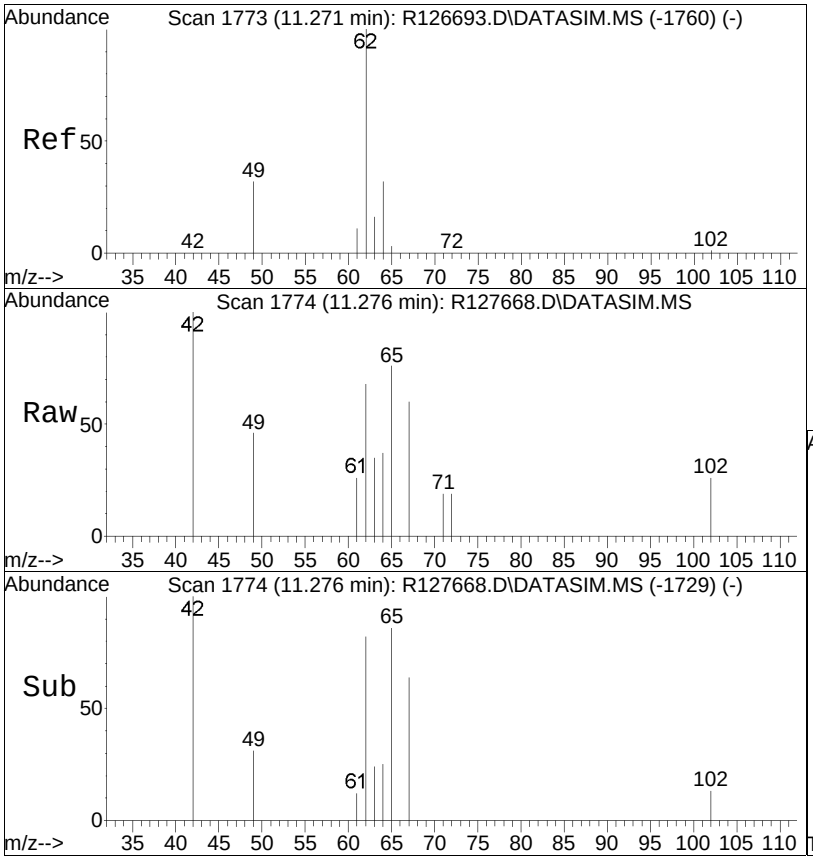


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 83 Resp: 470

Ion	Ratio	Lower	Upper
83	100		
85	70.4	52.2	78.2
47	413.2	26.4	39.6#

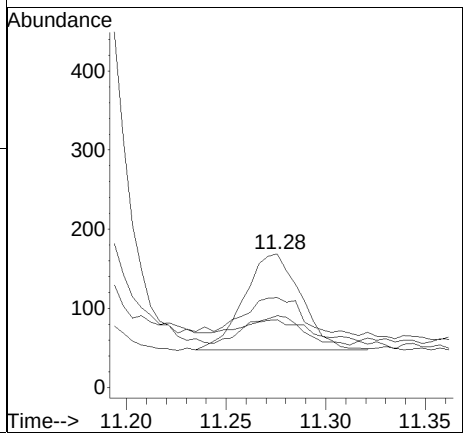


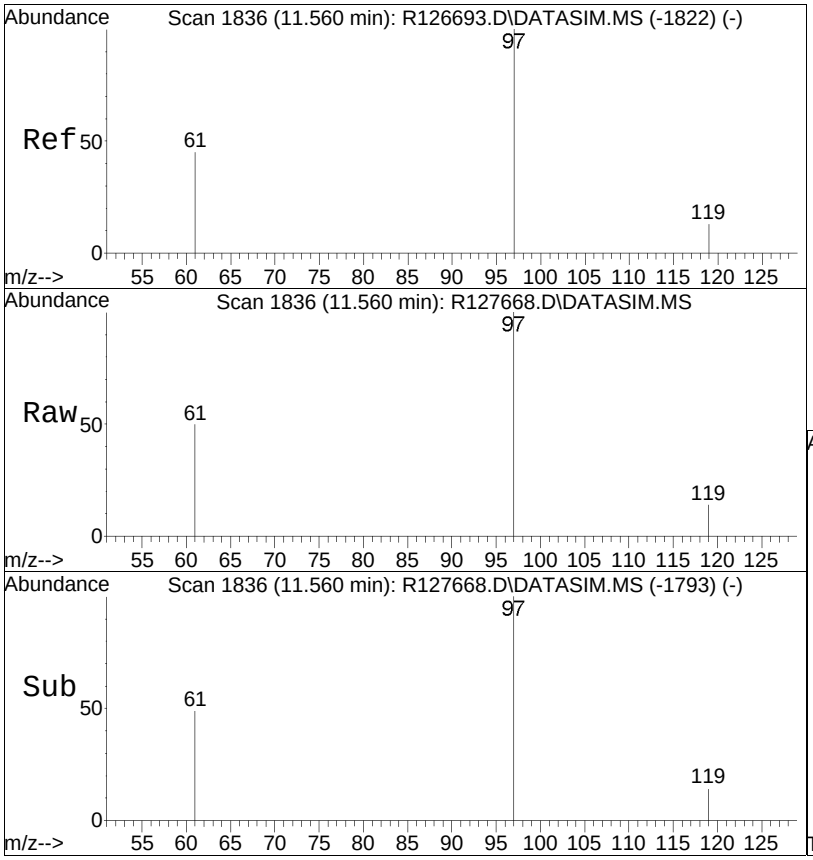


#31
1,2-dichloroethane
Concen: 0.01 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 62 Resp: 239

Ion	Ratio	Lower	Upper
62	100		
64	53.8	25.0	37.6#
49	67.5	31.2	46.8#
63	50.9	13.3	19.9#

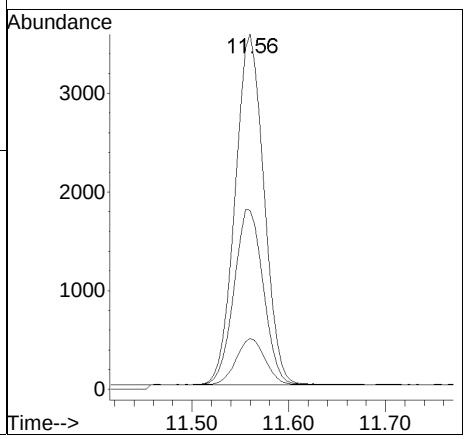


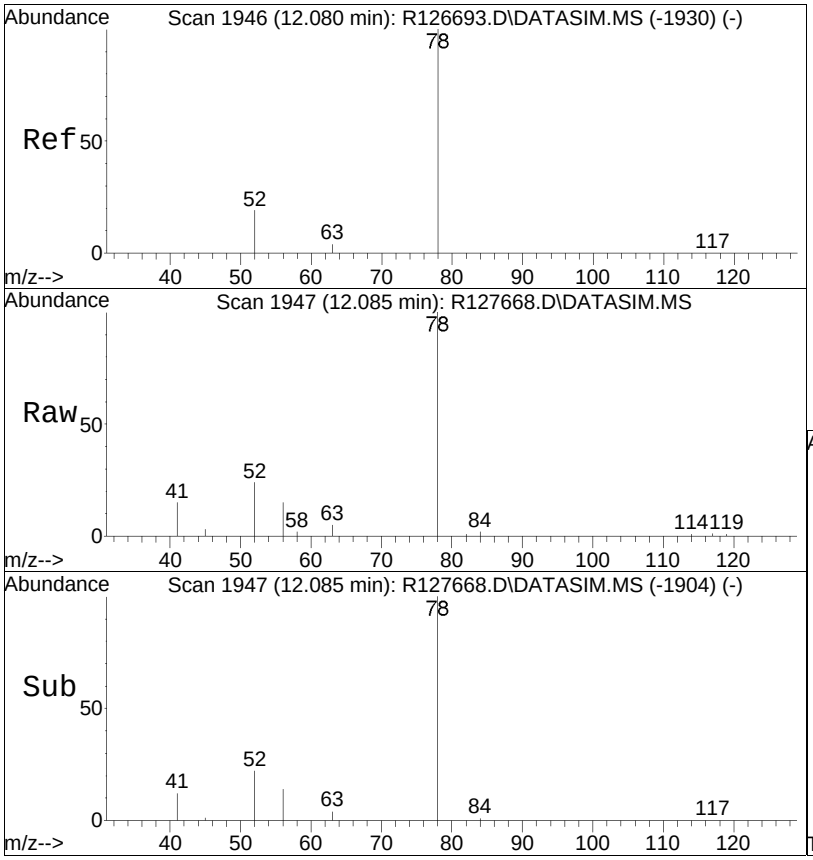


#35
1,1,1-trichloroethane
Concen: 0.24 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 97 Resp: 7358

Ion	Ratio	Lower	Upper
97	100		
61	50.4	38.6	58.0
119	14.3	11.0	16.6

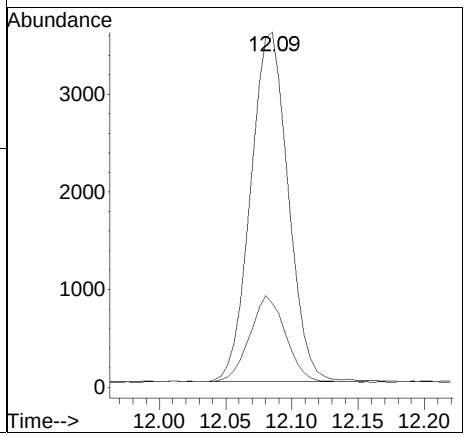


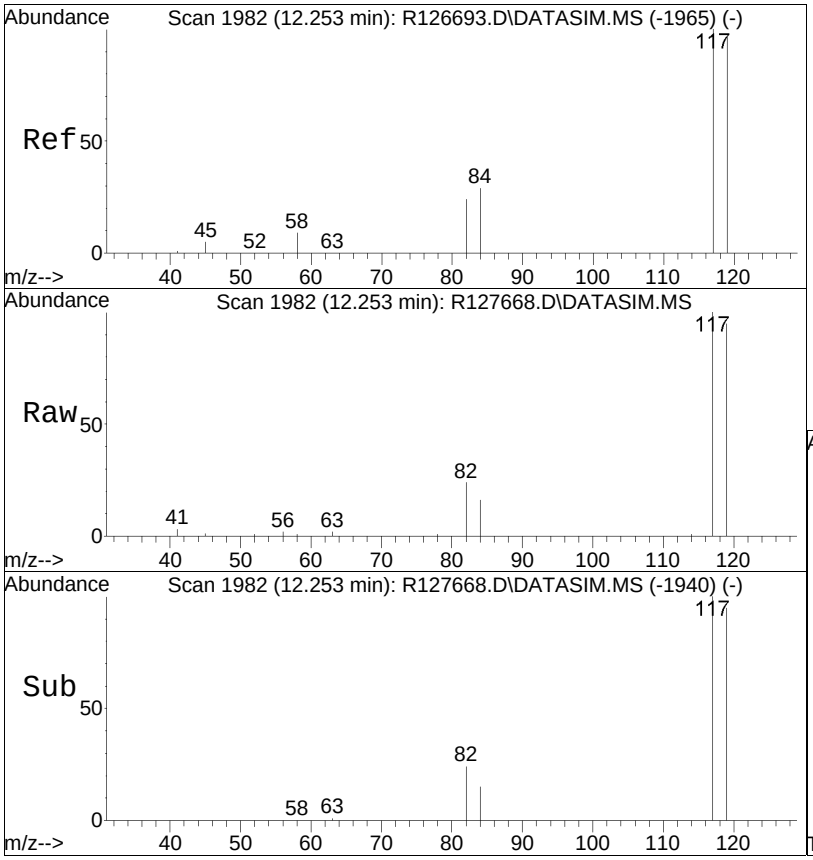


#36
benzene
Concen: 0.16 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 78 Resp: 7039

Ion	Ratio	Lower	Upper
78	100		
52	23.7	18.5	27.7

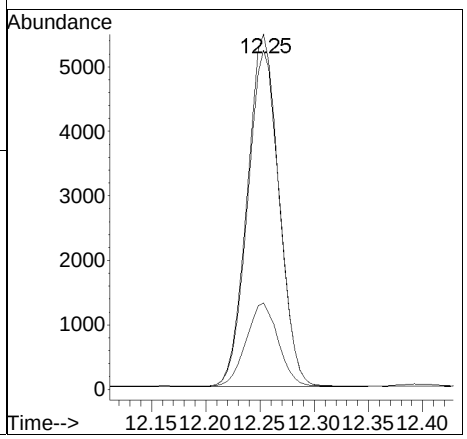


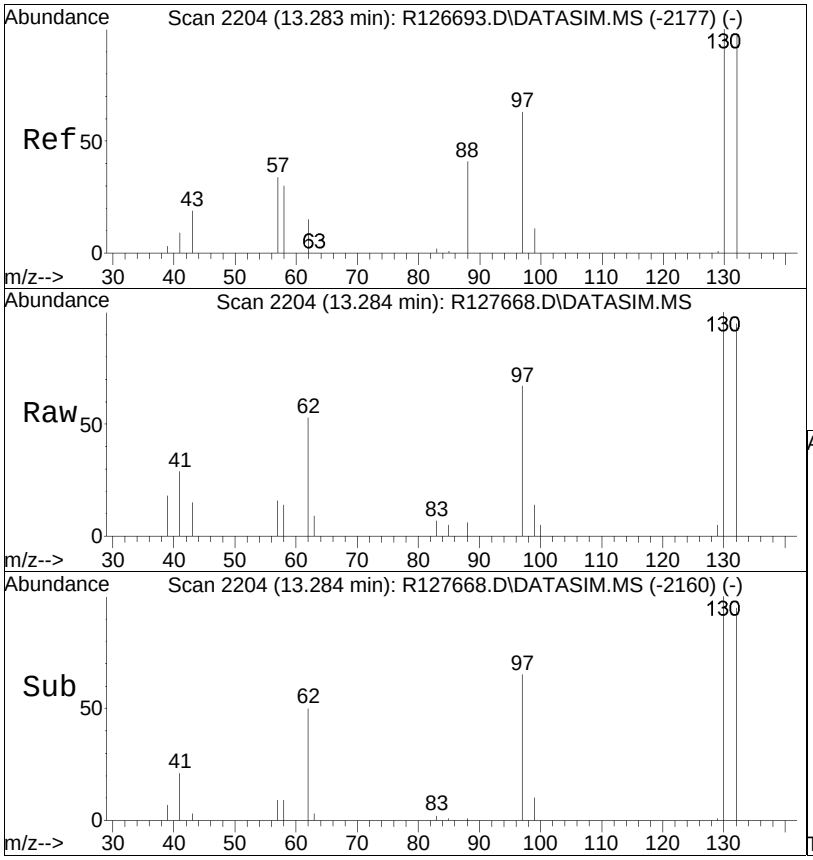


#37
carbon tetrachloride
Concen: 0.33 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:117 Resp: 11100

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
82	24.4	18.2	27.2

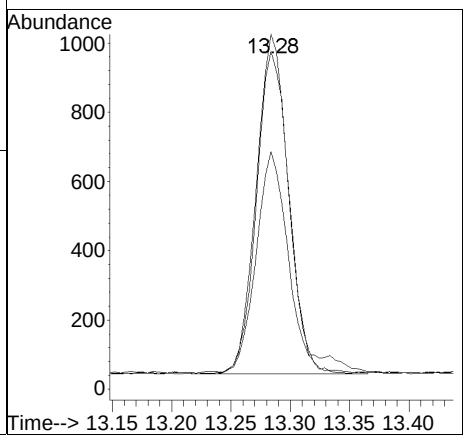


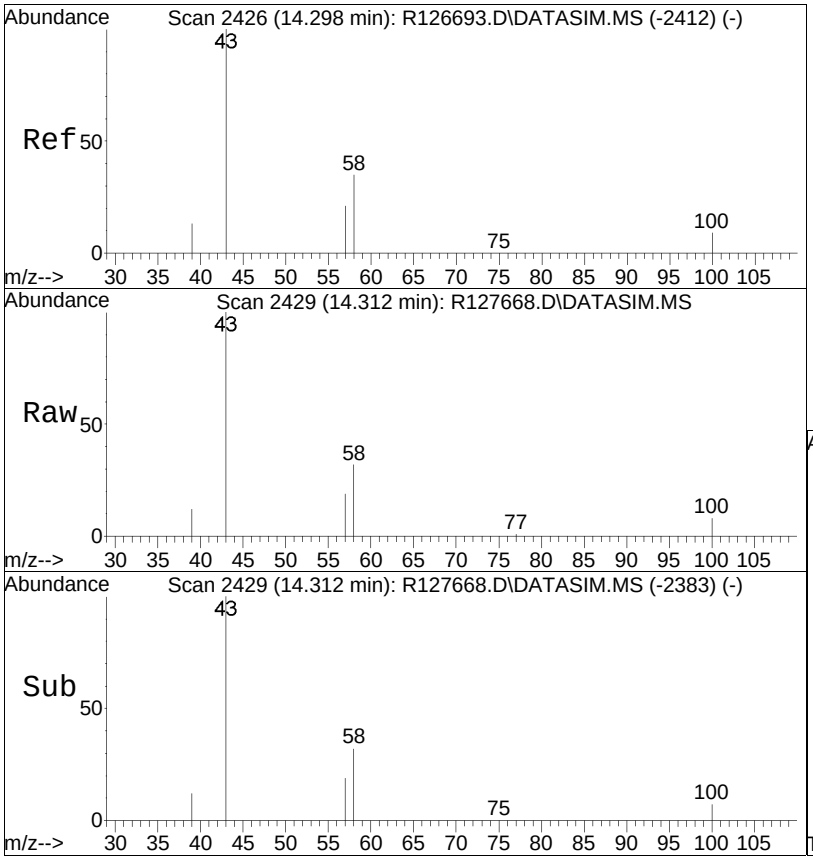


#42
trichloroethene
Concen: 0.08 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:130 Resp: 1870

Ion	Ratio	Lower	Upper
130	100		
132	95.2	77.3	115.9
97	67.0	50.6	75.8

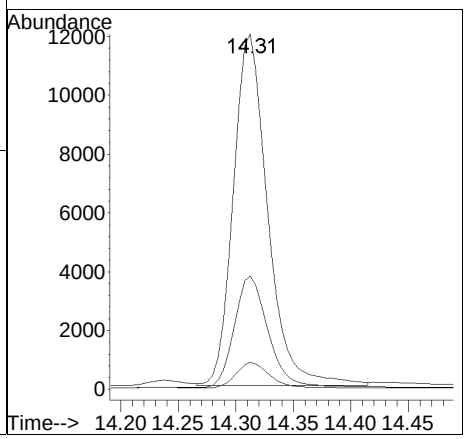


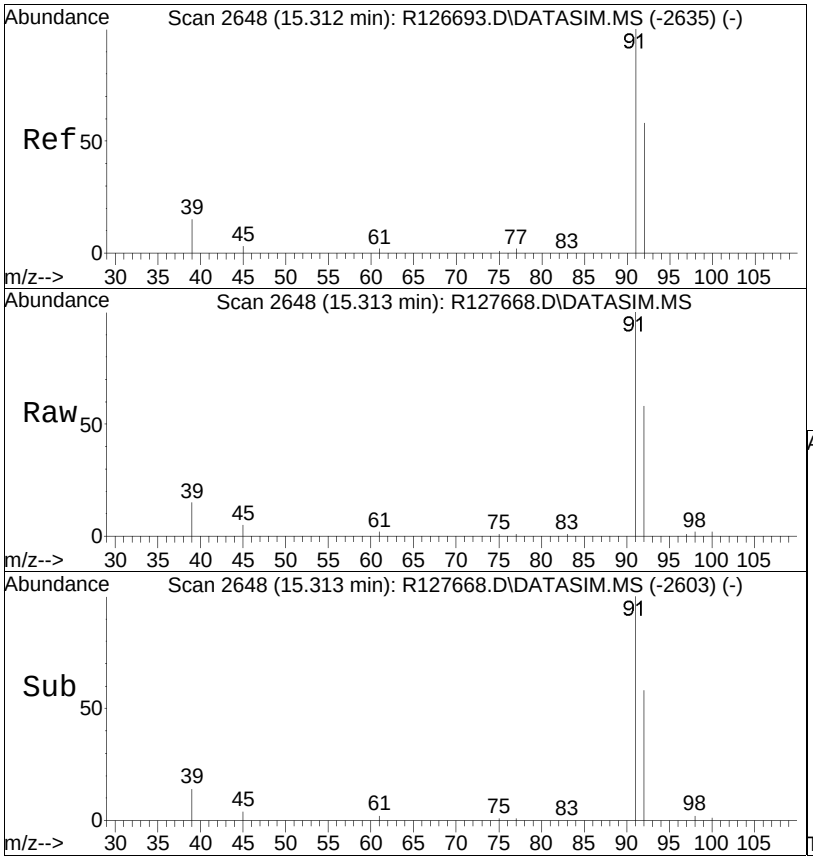


#46
4-methyl-2-pentanone
Concen: 0.48 ppbV m
RT: 14.31 min Scan# 2429
Delta R.T. 0.014 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 43 Resp: 24784

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.0	39.0
100	7.6	5.8	8.6

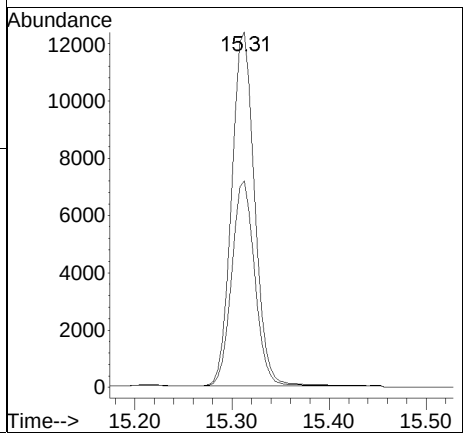


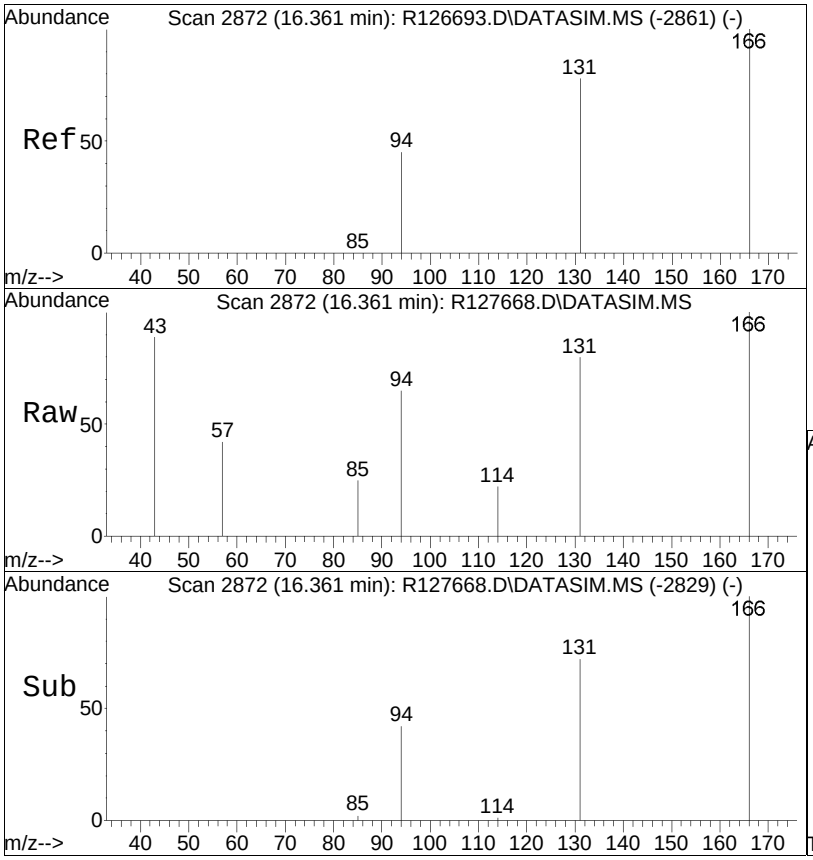


#50
toluene
Concen: 0.35 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 91 Resp: 20364

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.4	69.6

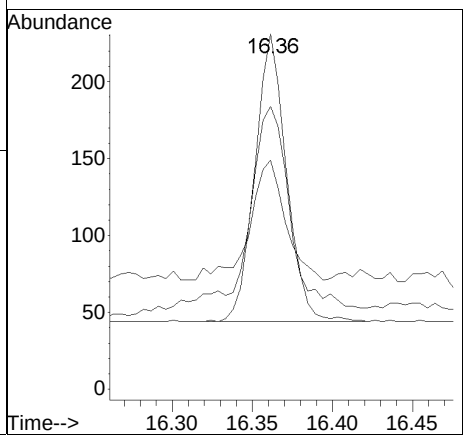


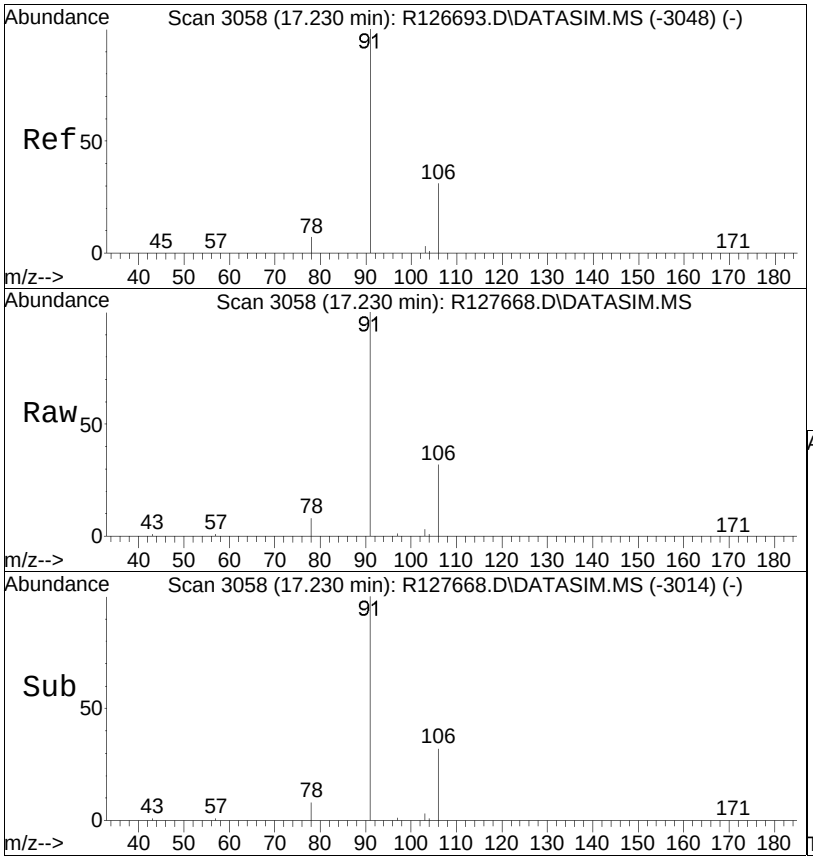


#55
tetrachloroethene
Concen: 0.01 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:166 Resp: 257

Ion	Ratio	Lower	Upper
166	100		
131	79.7	60.6	90.8
94	64.5	32.2	48.2#

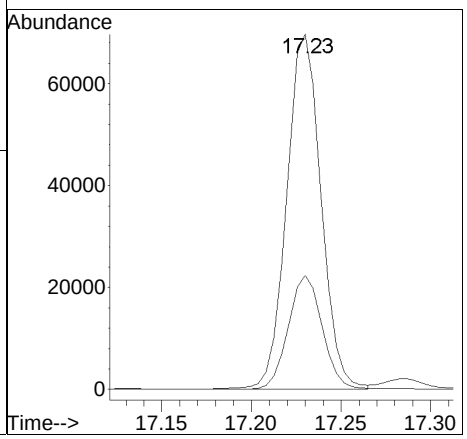


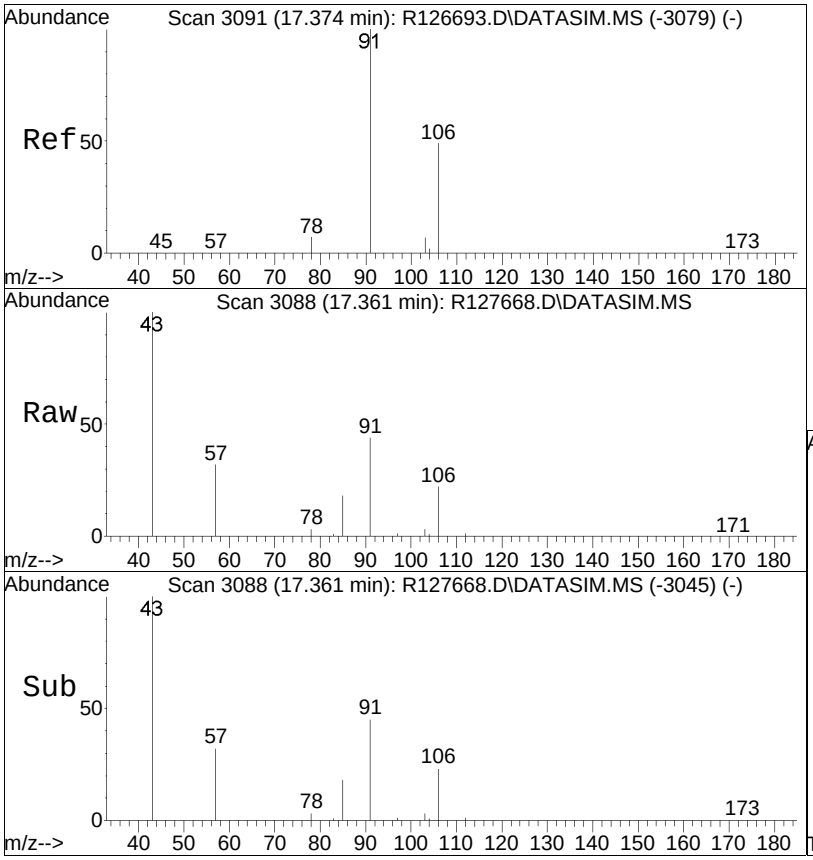


#58
ethylbenzene
Concen: 1.24 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 91 Resp: 92657

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.3	37.9

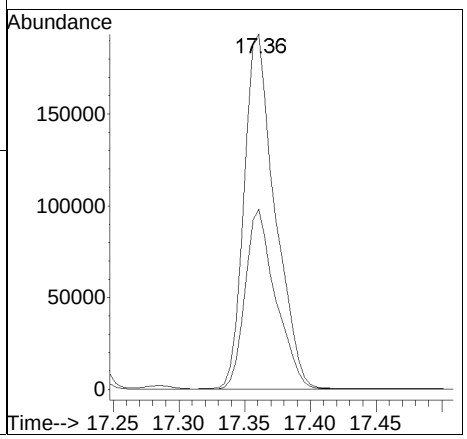


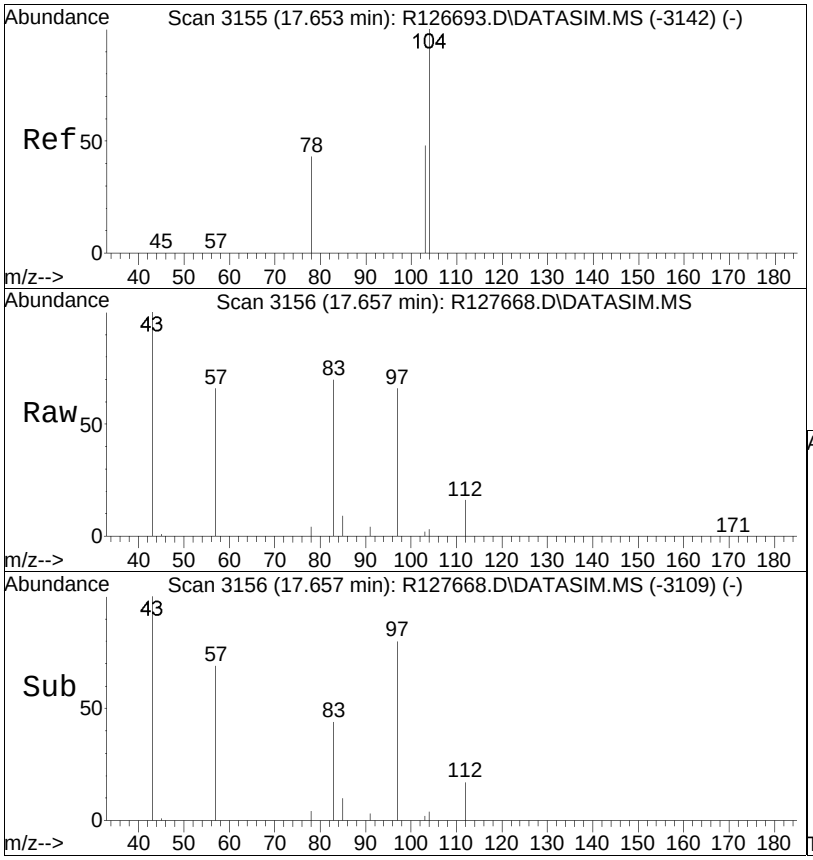


#59
m+p-xylene
Concen: 5.45 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 91 Resp: 316077

Ion	Ratio	Lower	Upper
91	100		
106	50.7	40.0	60.0

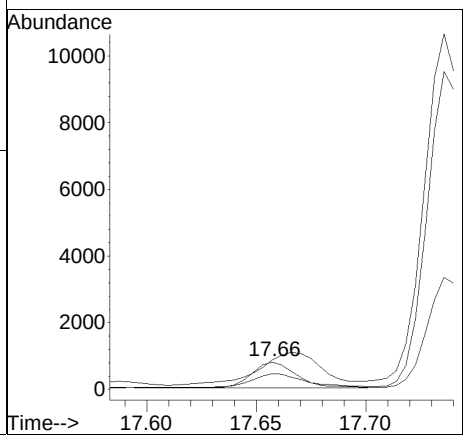


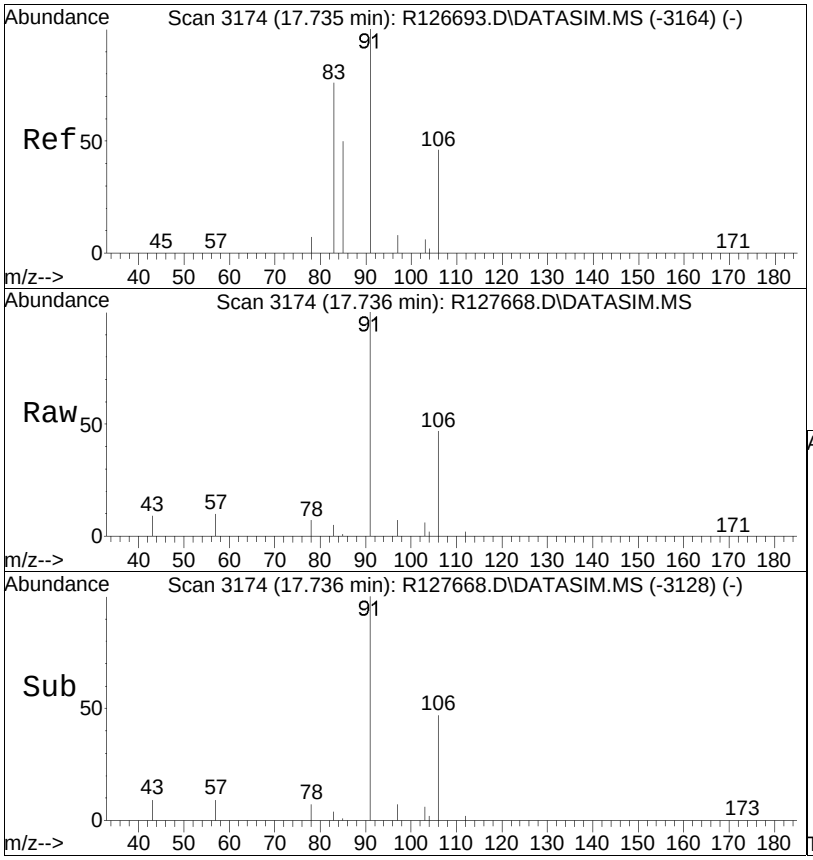


#61
styrene
Concen: 0.02 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:104 Resp: 1082

Ion	Ratio	Lower	Upper
104	100		
103	57.8	38.3	57.5#
78	107.9	35.0	52.6#

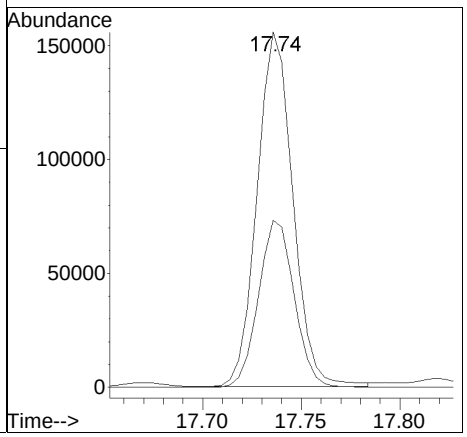


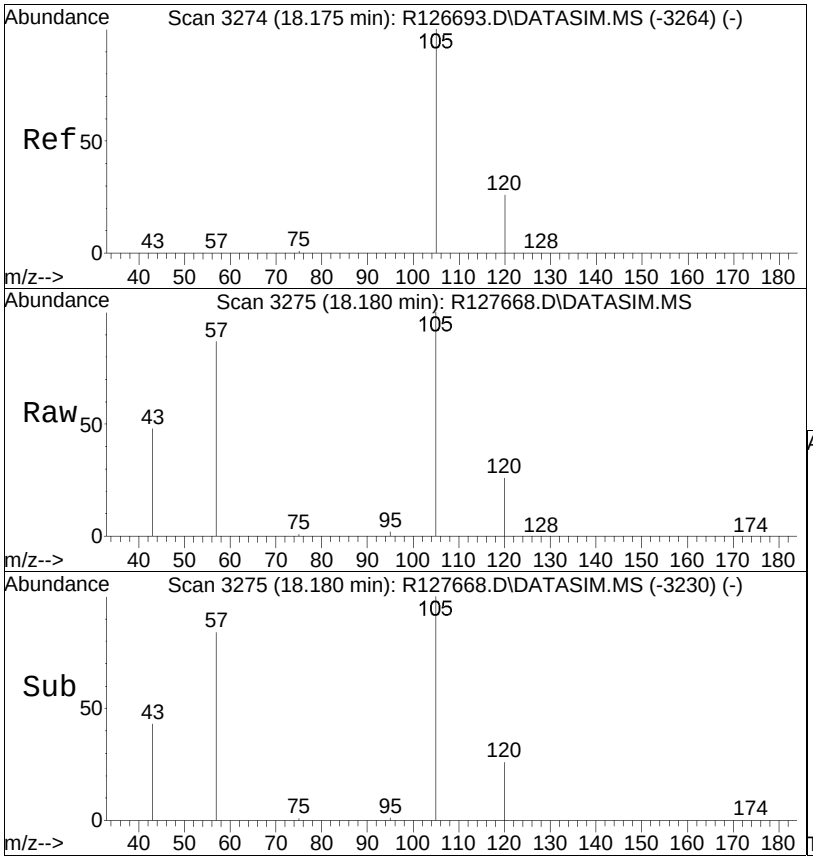


#63
o-xylene
Concen: 3.25 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 91 Resp: 196170

Ion	Ratio	Lower	Upper
91	100		
106	47.0	37.1	55.7

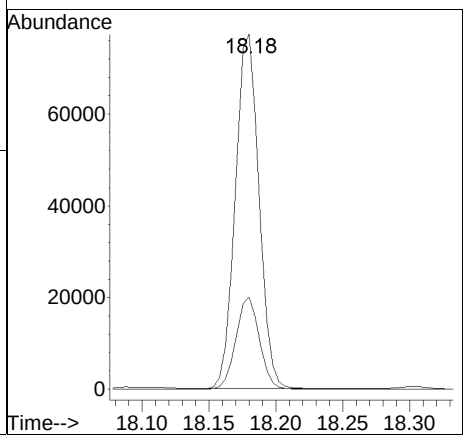


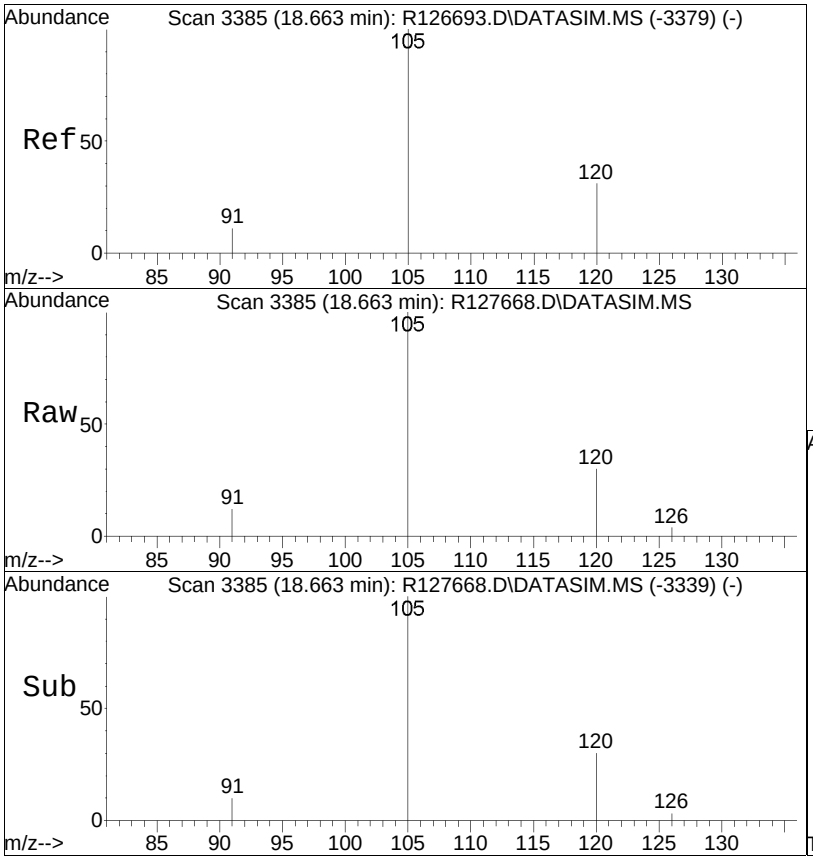


#65
isopropylbenzene
Concen: 1.07 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:105 Resp: 95169

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1

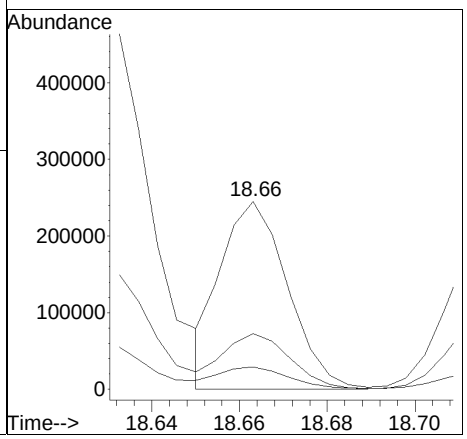


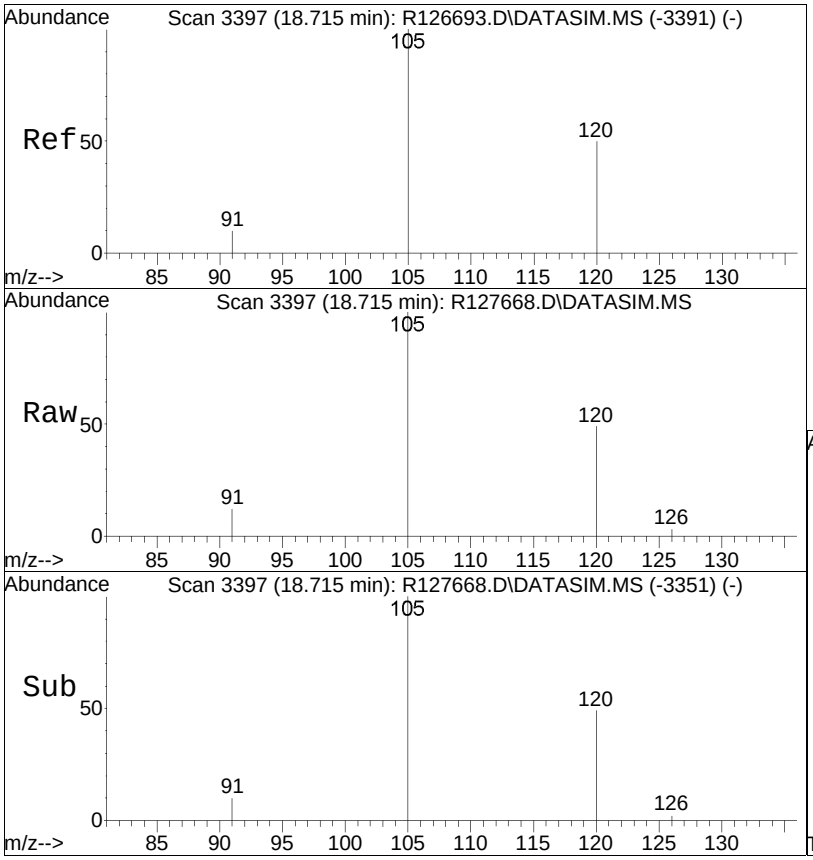


#66
4-ethyl toluene
Concen: 2.96 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:105 Resp: 259931

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	12.0	8.5	12.7

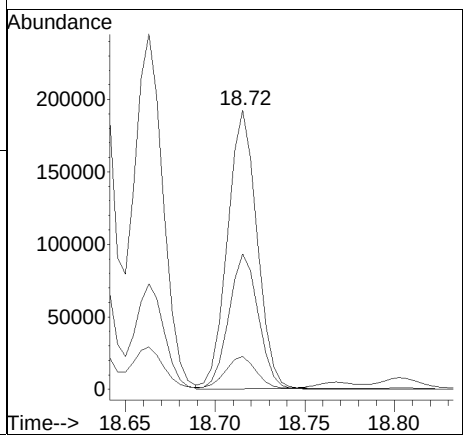


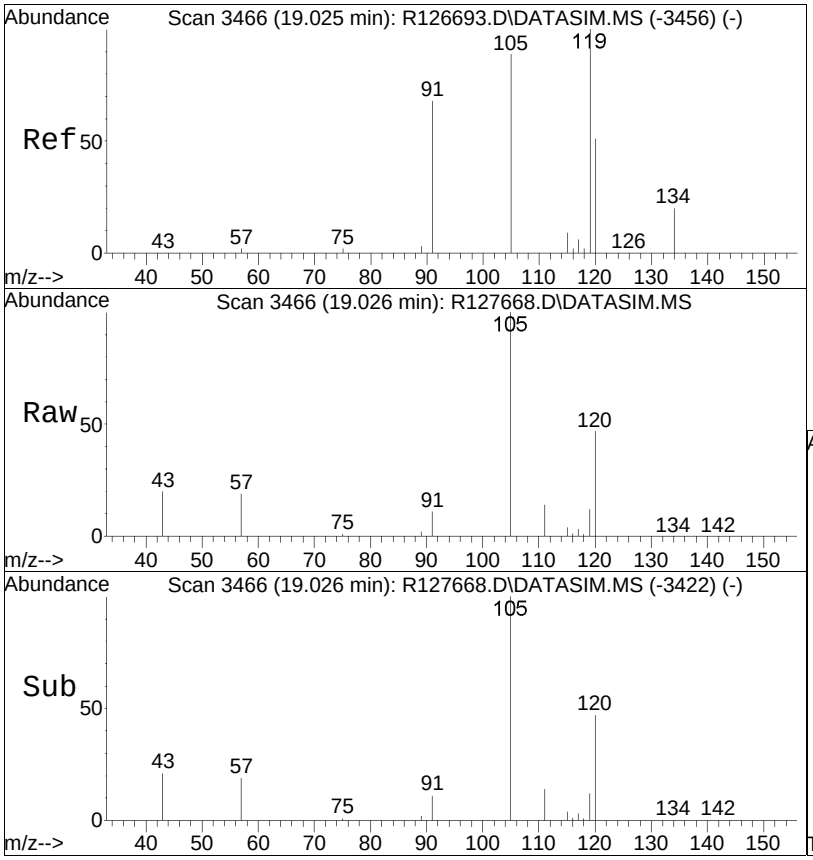


#67
1,3,5-trimethylbenzene
Concen: 3.05 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:105 Resp: 220081

Ion	Ratio	Lower	Upper
105	100		
120	48.6	39.0	58.4
91	11.8	8.0	12.0

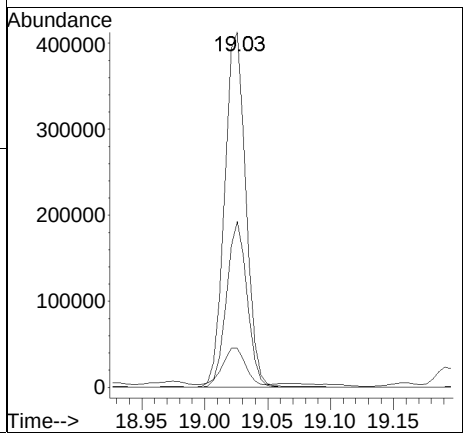


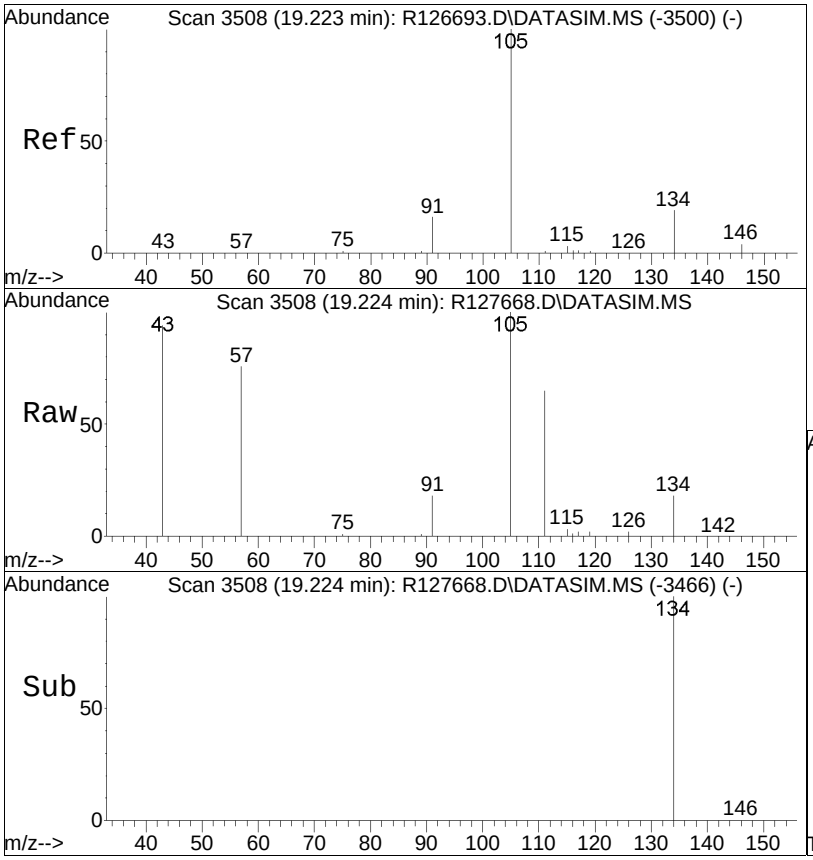


#69
1,2,4-trimethylbenzene
Concen: 6.70 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:105 Resp: 483411

Ion	Ratio	Lower	Upper
105	100		
120	46.8	44.9	67.3
91	11.0	58.6	88.0#

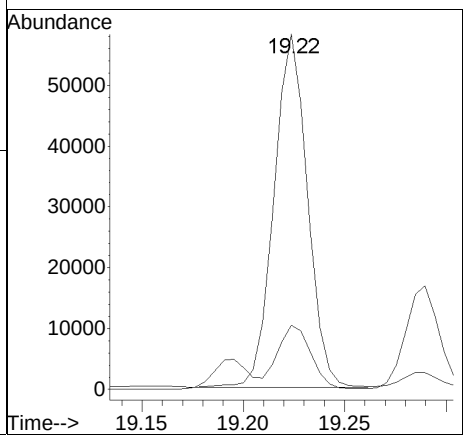


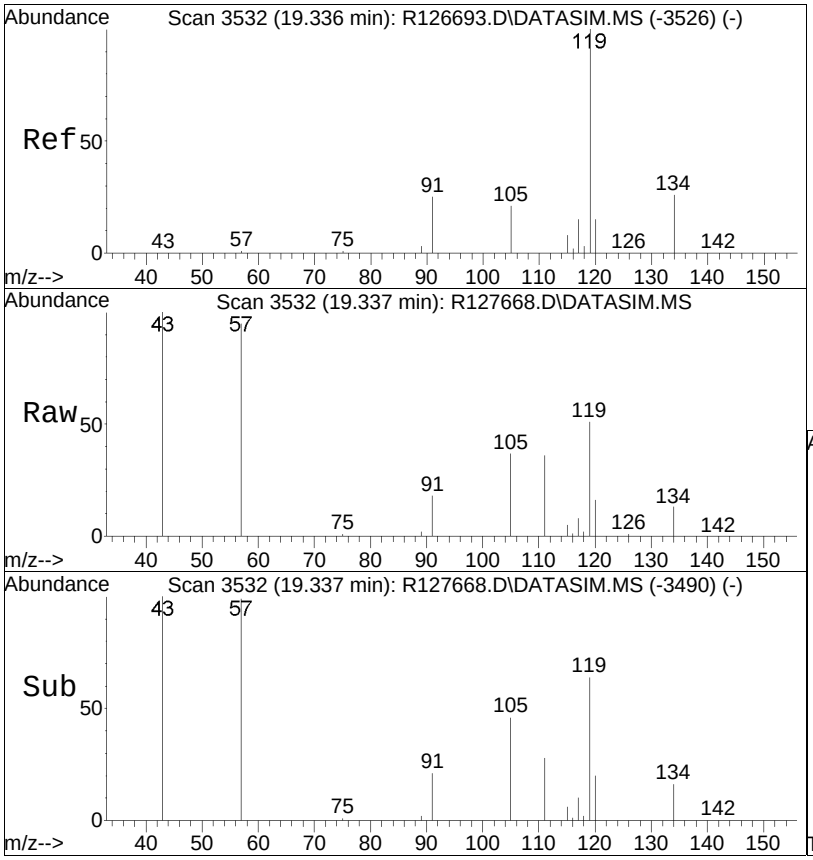


#73
sec-butylbenzene
Concen: 0.59 ppbV
RT: 19.22 min Scan# 3508
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:105 Resp: 66734

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.3	21.5

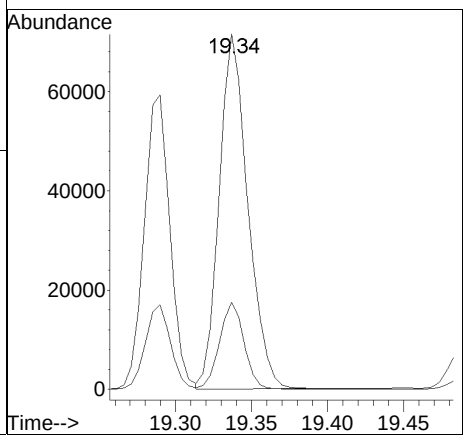


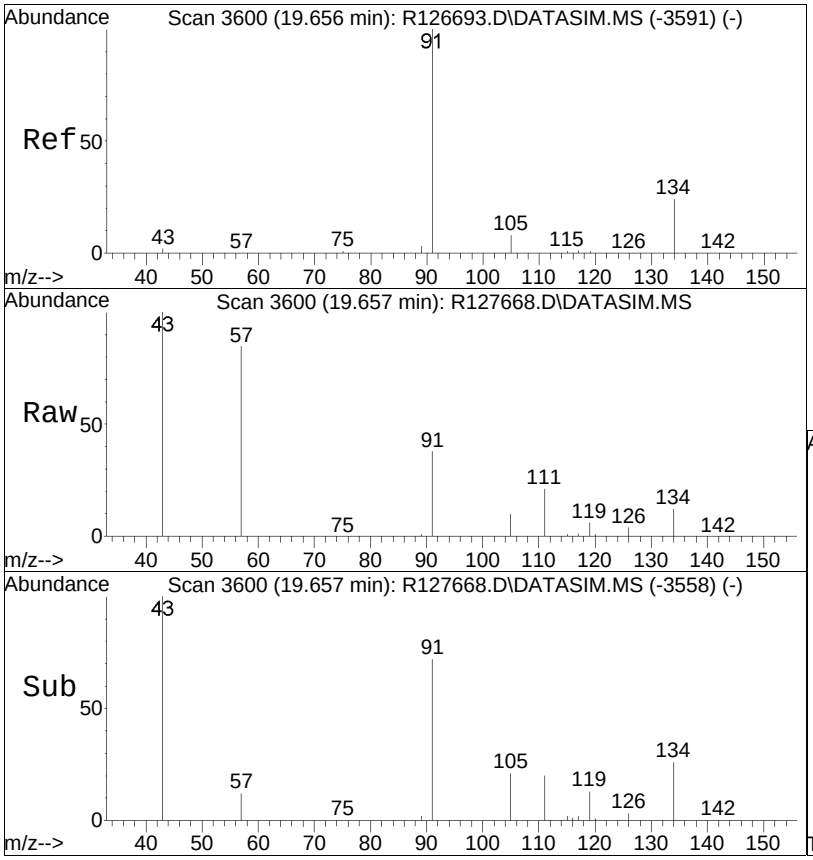


#74
p-isopropyltoluene
Concen: 0.94 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:119 Resp: 93460

Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.4	30.6

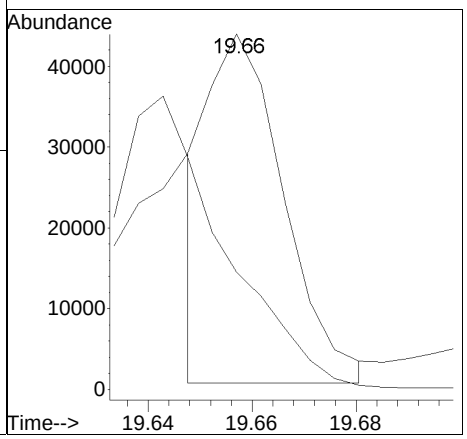


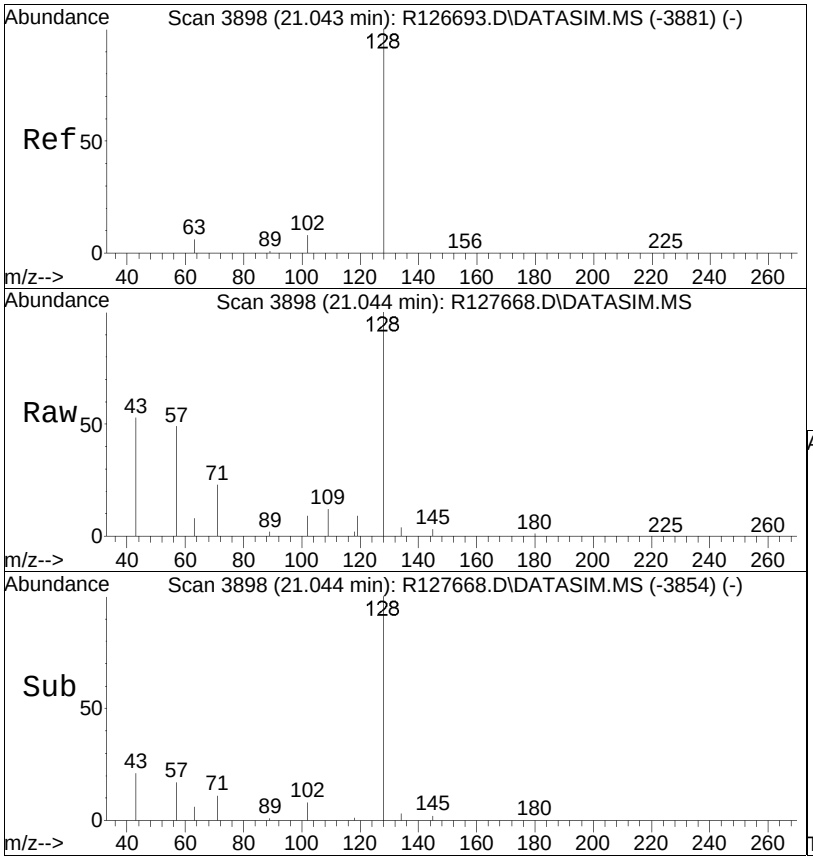


#76
n-butylbenzene
Concen: 0.49 ppbV m
RT: 19.66 min Scan# 3600
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion: 91 Resp: 44125

Ion	Ratio	Lower	Upper
91	100		
134	33.0	18.6	28.0#

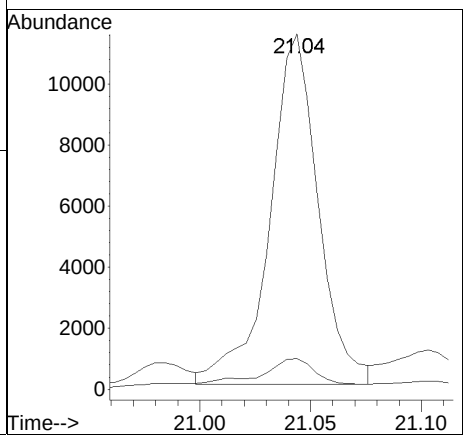




#78
naphthalene
Concen: 0.17 ppbV
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127668.D
Acq: 15 Apr 2013 6:10 pm

Tgt Ion:128 Resp: 17550

Ion	Ratio	Lower	Upper
128	100		
102	8.7	6.2	9.2

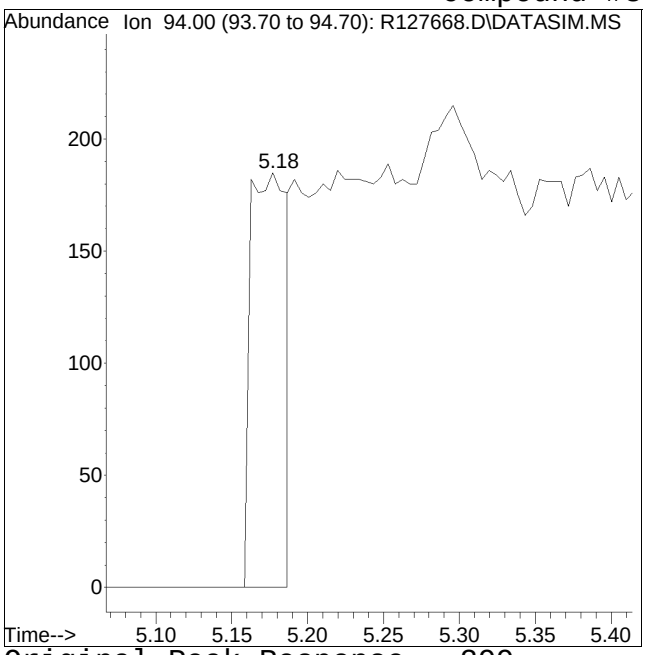


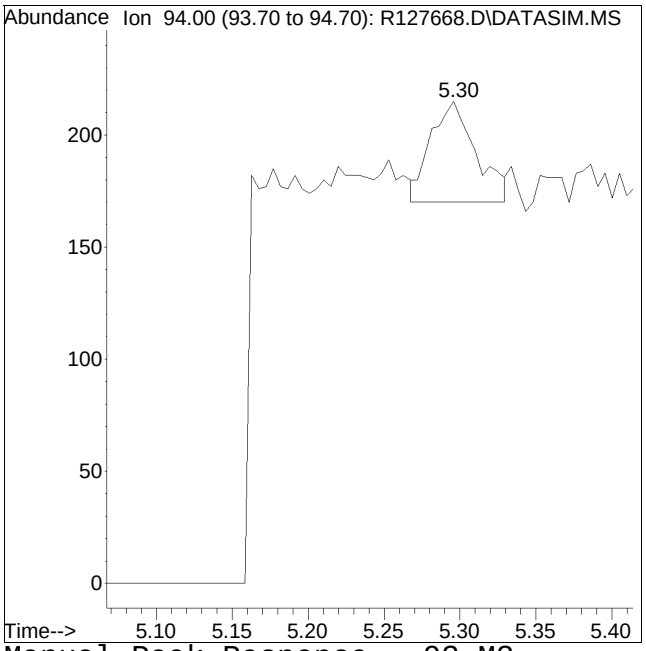
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127668.D
Date Inj'd : 4/15/2013 6:10 pm
Sample : L1306330-03,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #8: bromomethane





Original Peak Response = 299 Manual Peak Response = 93 M3

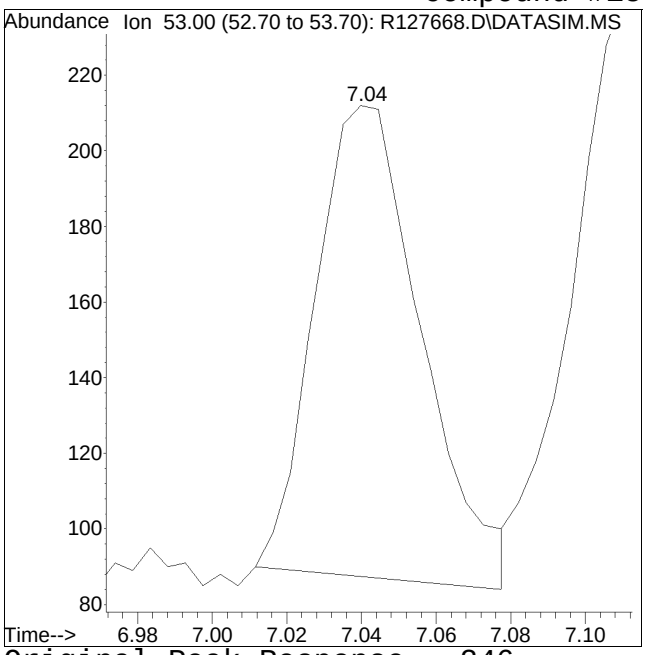
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

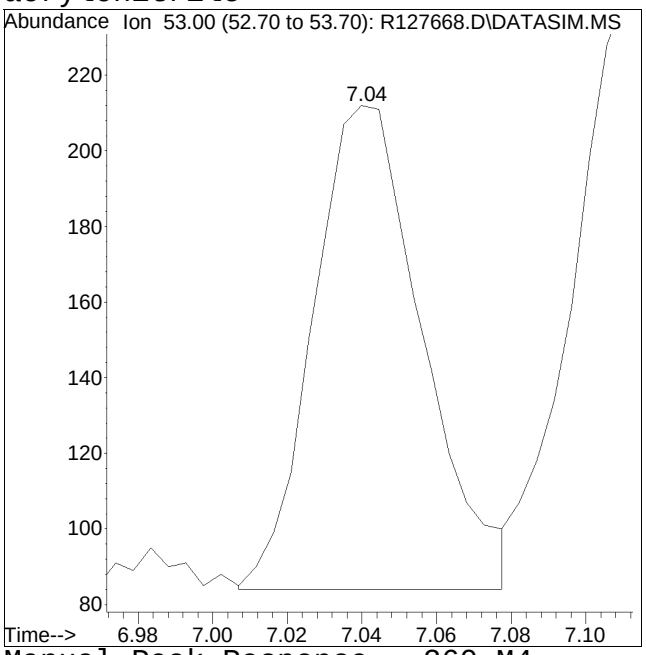
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127668.D
Date Inj'd : 4/15/2013 6:10 pm
Sample : L1306330-03,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #15: acrylonitrile



Original Peak Response = 246



Manual Peak Response = 260 M4

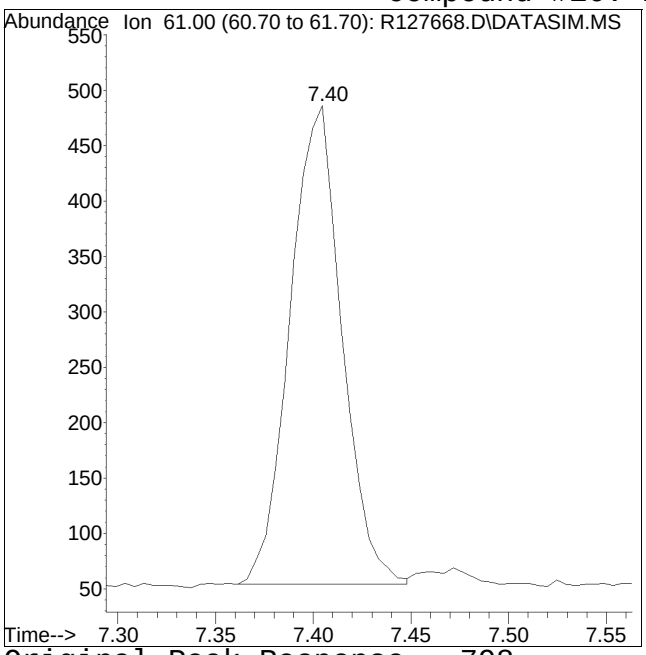
M4 = Poor automated baseline construction.

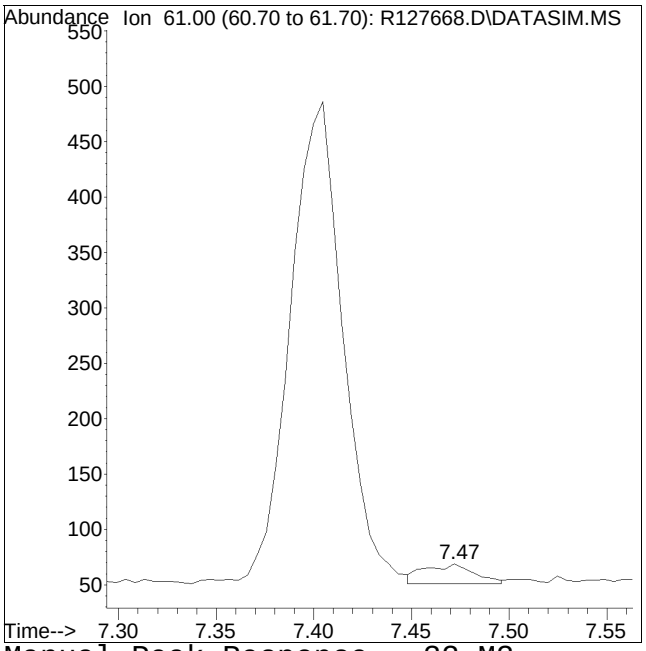
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127668.D
Date Inj'd : 4/15/2013 6:10 pm
Sample : L1306330-03,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #16: 1,1-dichloroethene





Original Peak Response = 798 Manual Peak Response = 32 M3

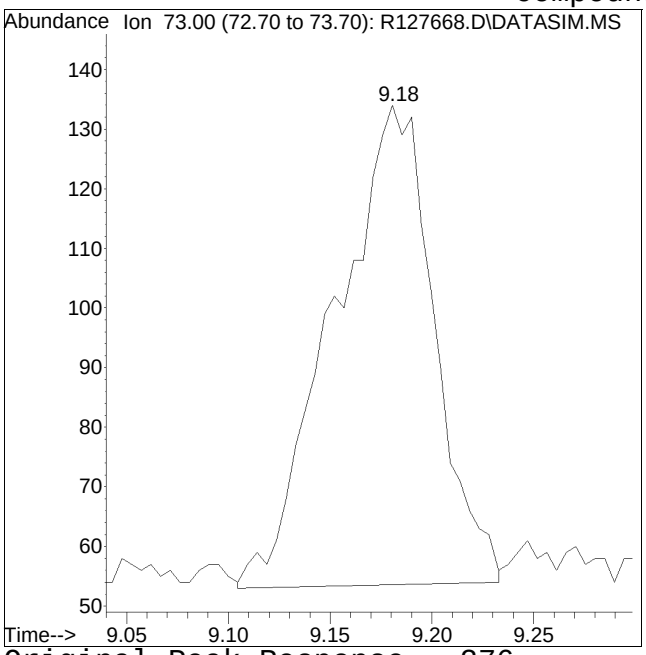
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

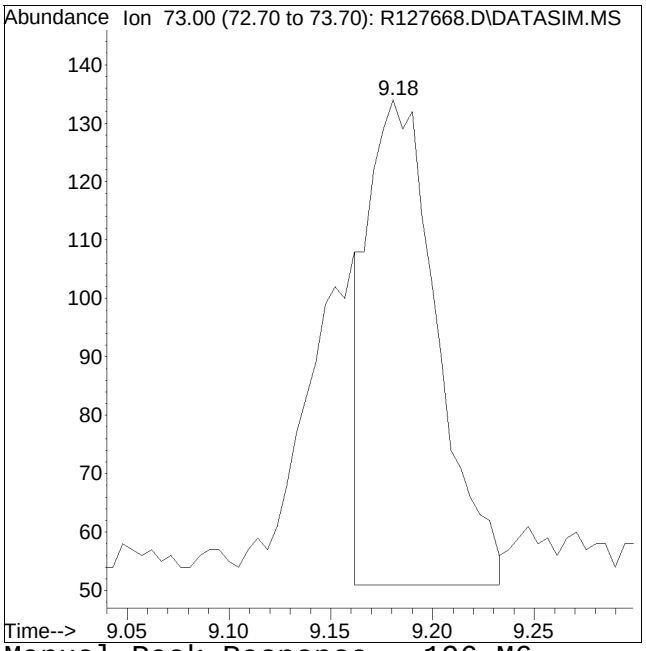
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127668.D
Date Inj'd : 4/15/2013 6:10 pm
Sample : L1306330-03,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #24: MTBE



Original Peak Response = 276



Manual Peak Response = 196 M6

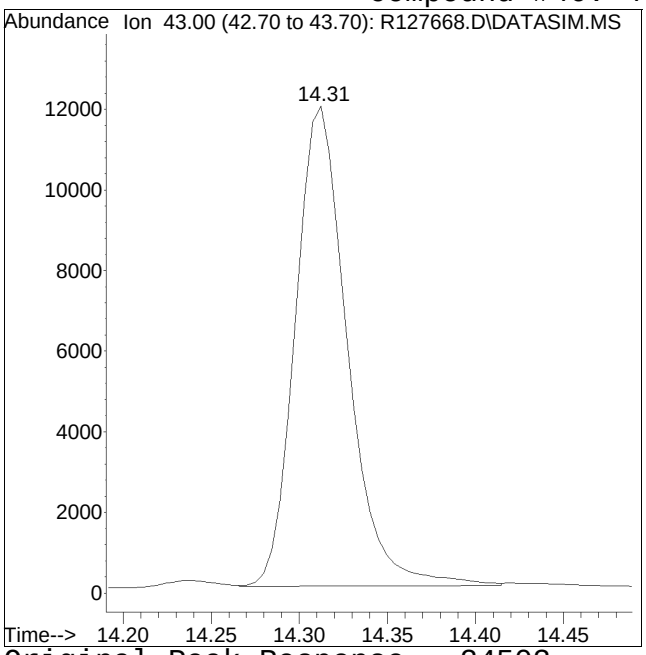
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

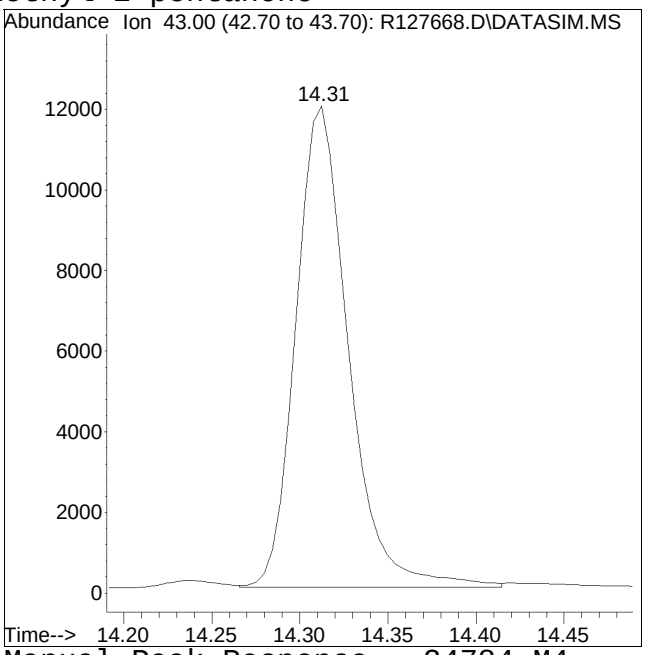
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127668.D
Date Inj'd : 4/15/2013 6:10 pm
Sample : L1306330-03,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 24503



Manual Peak Response = 24784 M4

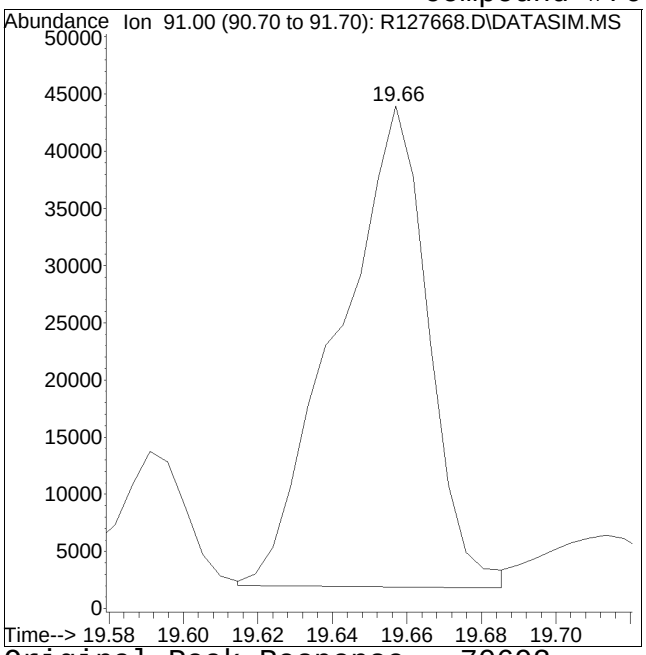
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

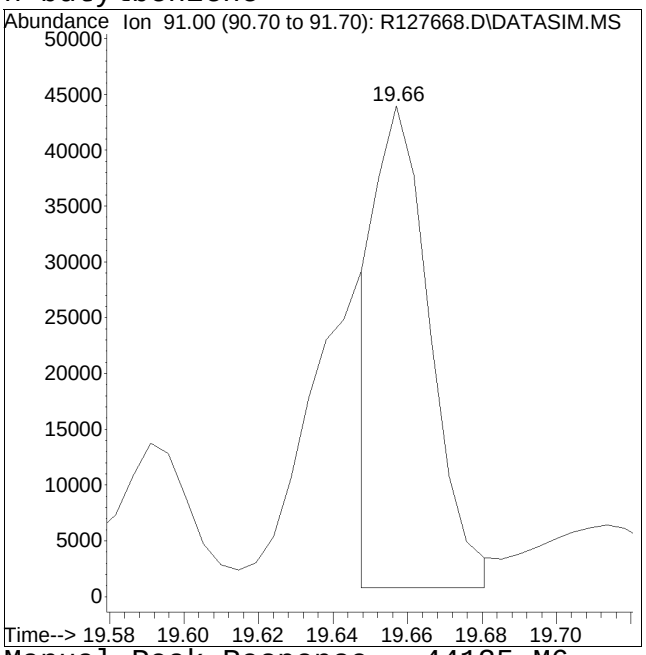
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127668.D
Date Inj'd : 4/15/2013 6:10 pm
Sample : L1306330-03,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #76: n-butylbenzene



Original Peak Response = 70692



Manual Peak Response = 44125 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127669.D
Acq On : 15 Apr 2013 6:42 pm
Operator : AIRPIANO1:MB
Sample : L1306330-04,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 11:22:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	263440	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 94.92%			
32) 1,4-difluorobenzene	12.49	114	577508	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 101.51%			
49) chlorobenzene-D5	16.90	54	140393	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 101.68%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13918	0.408	ppbV	99
4) chloromethane	4.40	50	2761	0.154	ppbV	94
5) Freon-114	4.55	85	587	0.016	ppbV	95
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	1828	0.150	ppbV	87
8) bromomethane	5.29		0	N.D.		
9) chloroethane	5.55		0	N.D.		
12) acetone	6.39	43	1420994M6	49.852	ppbV	
13) trichlorofluoromethane	6.62	101	7929	0.194	ppbV	100
15) acrylonitrile	7.04	53	1847	0.133	ppbV #	95
16) 1,1-dichloroethene	7.47	61	20404	0.799	ppbV	99
17) methylene chloride	7.64	49	9591	0.403	ppbV	99
20) Freon 113	7.99	101	1863	0.066	ppbV	97
22) trans-1,2-dichloroethene	8.82		0	N.D.		
23) 1,1-dichloroethane	9.13		0	N.D.		
24) MTBE	9.17	73	256M6	0.007	ppbV	
26) 2-butanone	9.56	43	220667	4.939	ppbV	97
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	8037	0.261	ppbV #	53
31) 1,2-dichloroethane	11.27		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	105706	3.419	ppbV	98
36) benzene	12.08	78	22657	0.496	ppbV	98
37) carbon tetrachloride	12.25	117	40263	1.188	ppbV	99
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	51995	2.330	ppbV	99
45) cis-1,3-dichloropropene	14.25		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	58214M4	1.123	ppbV	
47) trans-1,3-dichloropropene	14.82		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127669.D
Acq On : 15 Apr 2013 6:42 pm
Operator : AIRPIANO1:MB
Sample : L1306330-04,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 11:22:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

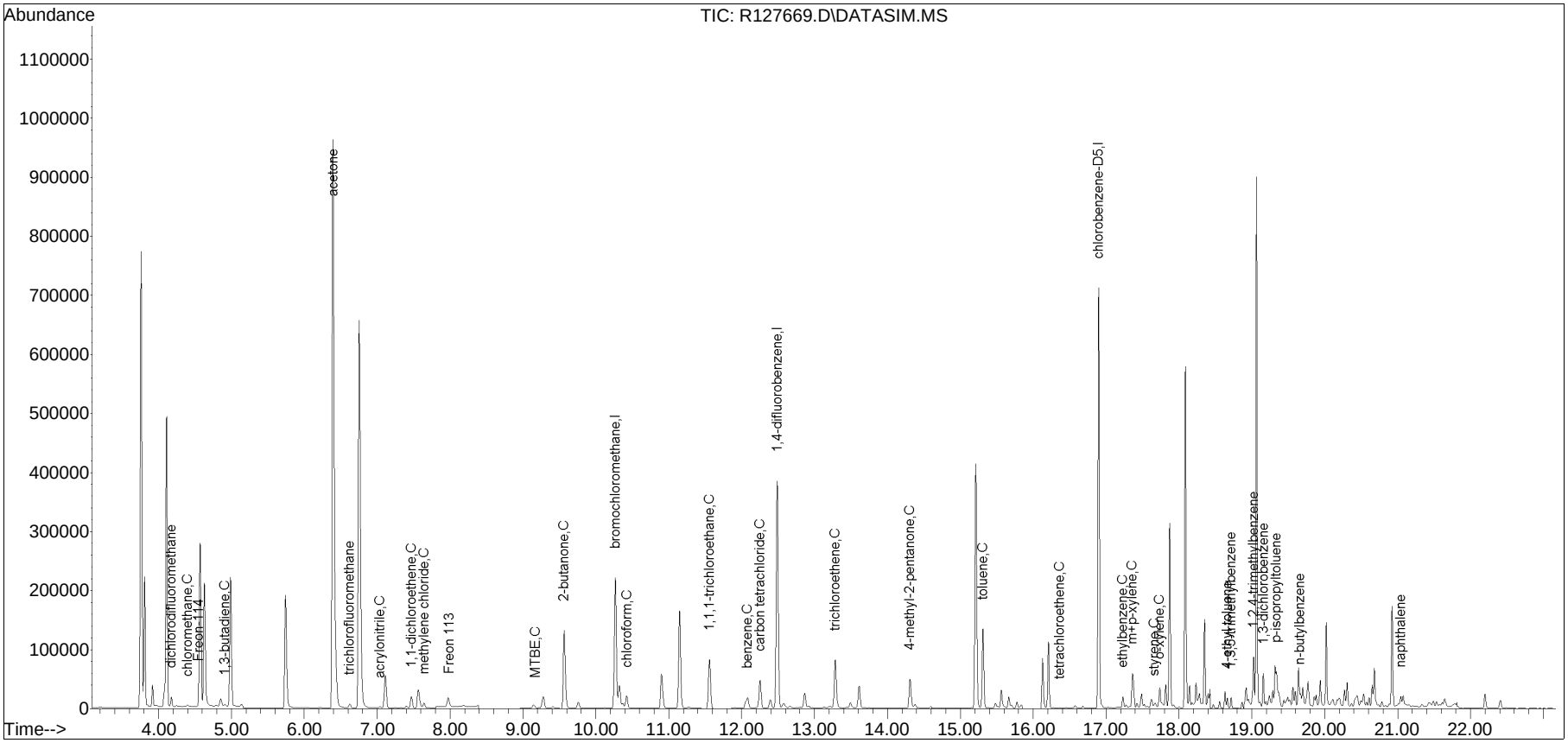
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	119663	2.103	ppbV	99
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.86		0	N.D.		
55) tetrachloroethene	16.36	166	339	0.012	ppbV #	72
56) 1,1,1,2-tetrachloroethane	16.91		0	N.D.		
57) chlorobenzene	0.00		0	N.D.	d	
58) ethylbenzene	17.23	91	17478	0.240	ppbV	99
59) m+p-xylene	17.36	91	50823	0.897	ppbV	99
60) bromoform	17.45		0	N.D.		
61) styrene	17.66	104	1618	0.037	ppbV	97
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d	
63) o-xylene	17.74	91	21776	0.369	ppbV	99
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.66	105	14245	0.166	ppbV #	97
67) 1,3,5-trimethylbenzene	18.72	105	13484	0.191	ppbV	99
69) 1,2,4-trimethylbenzene	19.03	105	50305	0.713	ppbV #	53
71) 1,3-dichlorobenzene	19.16	146	30974	0.580	ppbV #	74
72) 1,4-dichlorobenzene	19.20		0	N.D.		
73) sec-butylbenzene	19.22		0	N.D.		
74) p-isopropyltoluene	19.34	119	28664	0.296	ppbV	100
75) 1,2-dichlorobenzene	19.47		0	N.D.		
76) n-butylbenzene	19.66	91	6663M6	0.076	ppbV	
77) 1,2,4-trichlorobenzene	20.92		0	N.D.		
78) naphthalene	21.04	128	19205M4	0.186	ppbV	
79) 1,2,3-trichlorobenzene	21.29		0	N.D.		
80) hexachlorobutadiene	21.35		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

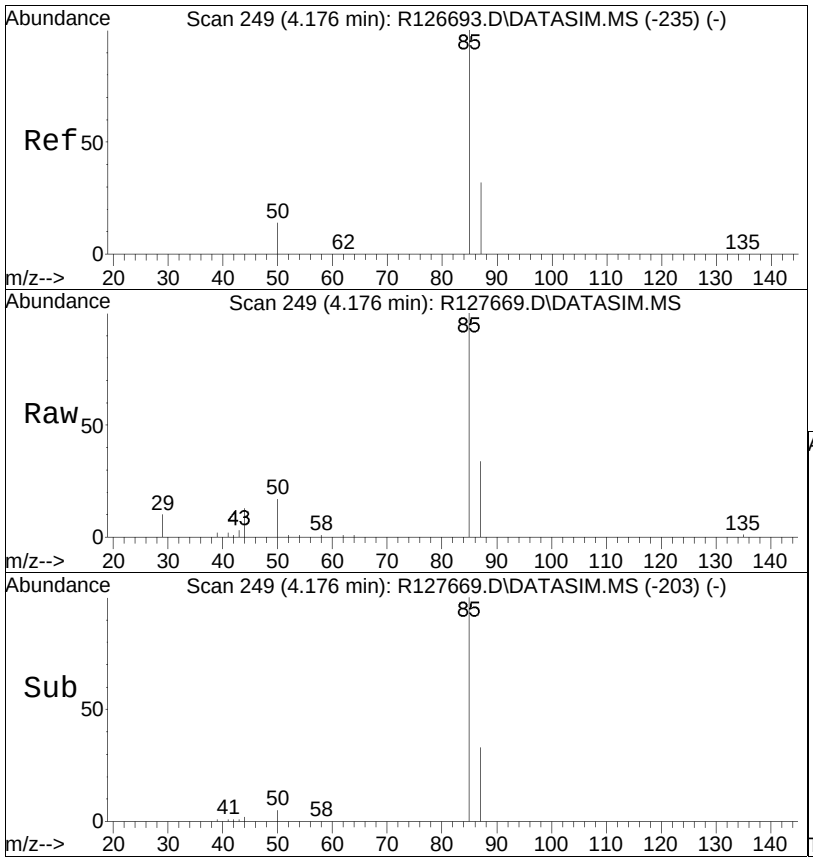
Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127669.D
Acq On : 15 Apr 2013 6:42 pm
Operator : AIRPIANO1:MB
Sample : L1306330-04,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 11:22:37 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration



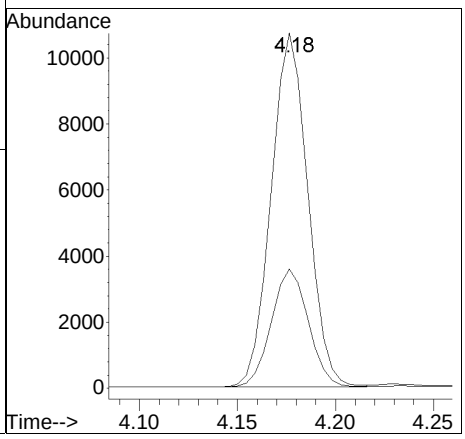
TSIM130402.M Wed Apr 17 11:25:36 2013 Page 3

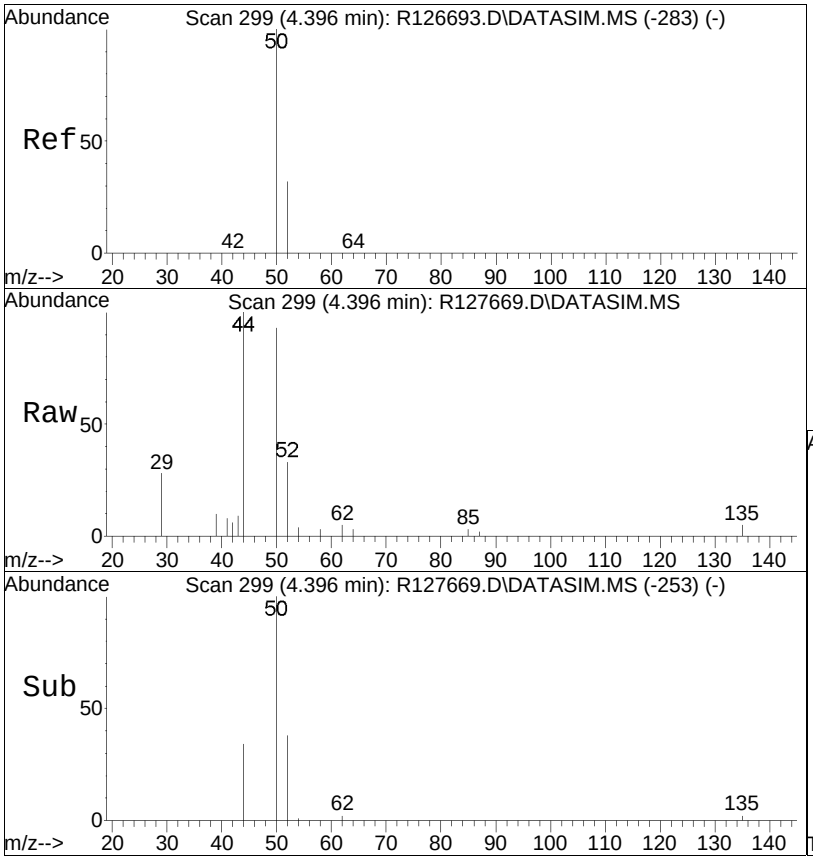


#3
dichlorodifluoromethane
Concen: 0.41 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 85 Resp: 13918

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.6	40.0

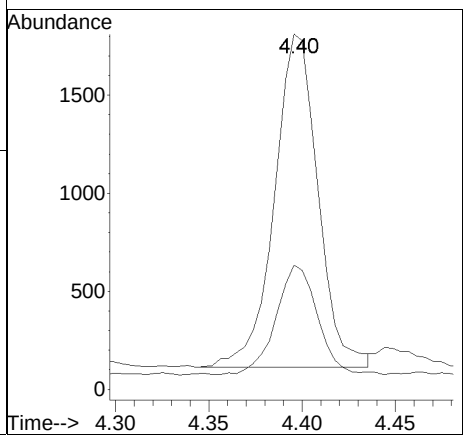


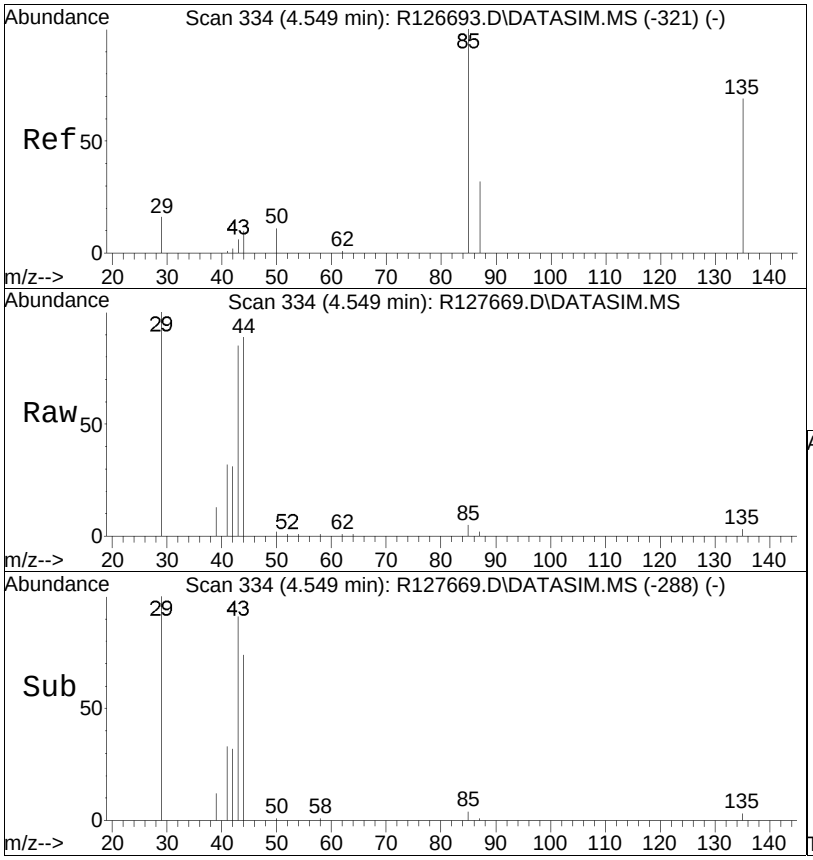


#4
chloromethane
Concen: 0.15 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 50 Resp: 2761

Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.3	37.9

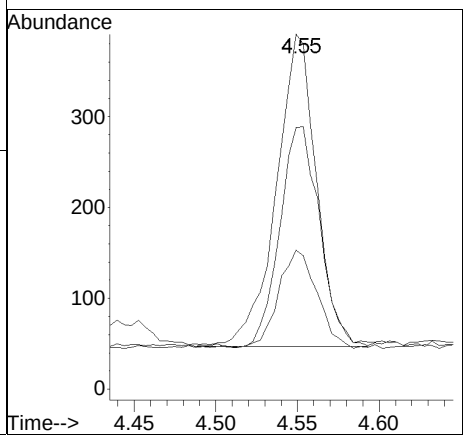


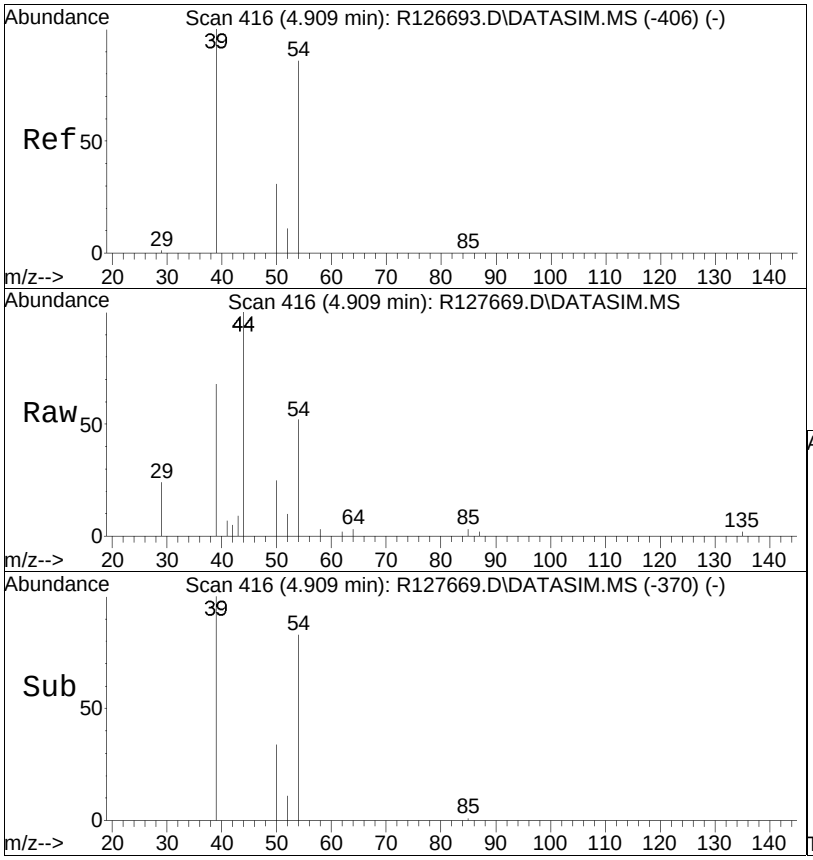


#5
Freon-114
Concen: 0.02 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 85 Resp: 587

Ion	Ratio	Lower	Upper
85	100		
87	39.1	26.5	39.7
135	73.7	56.9	85.3

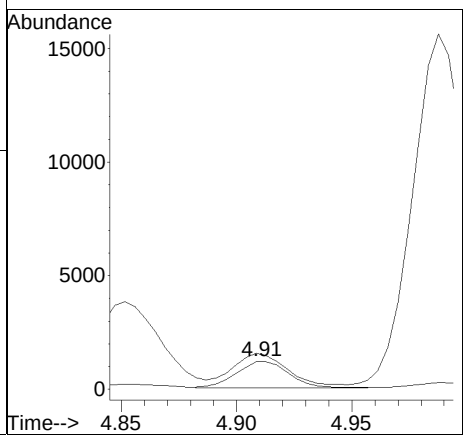


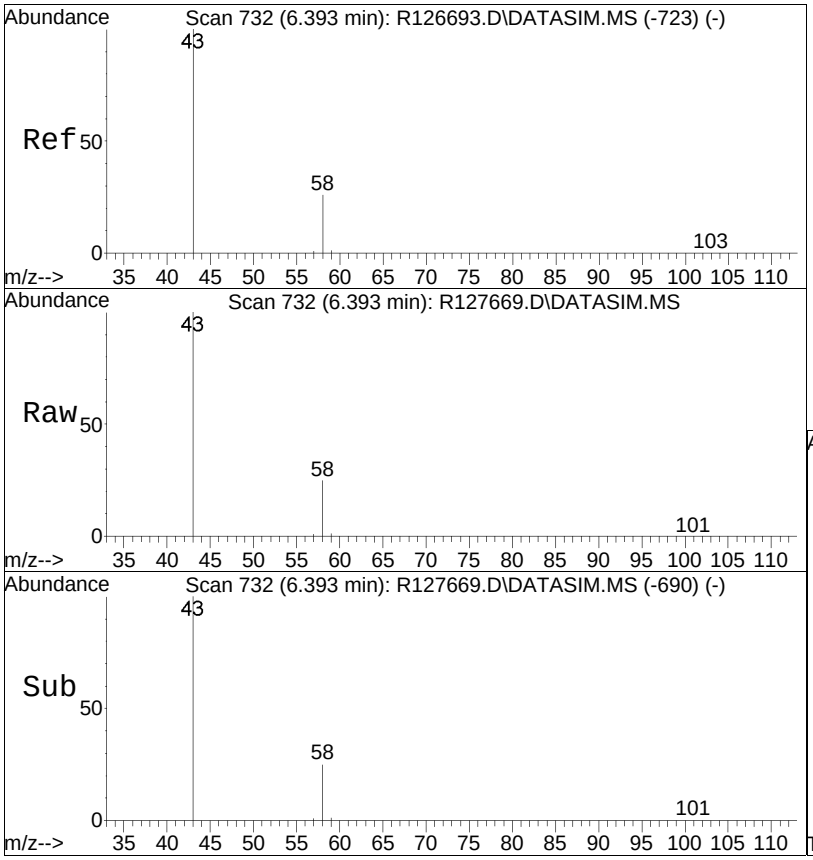


#7
1,3-butadiene
Concen: 0.15 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 54 Resp: 1828

Ion	Ratio	Lower	Upper
54	100		
39	129.8	92.4	138.6

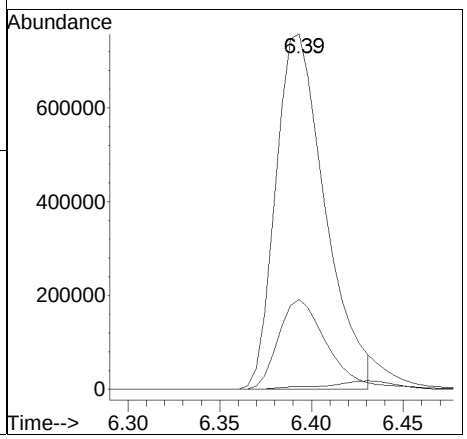


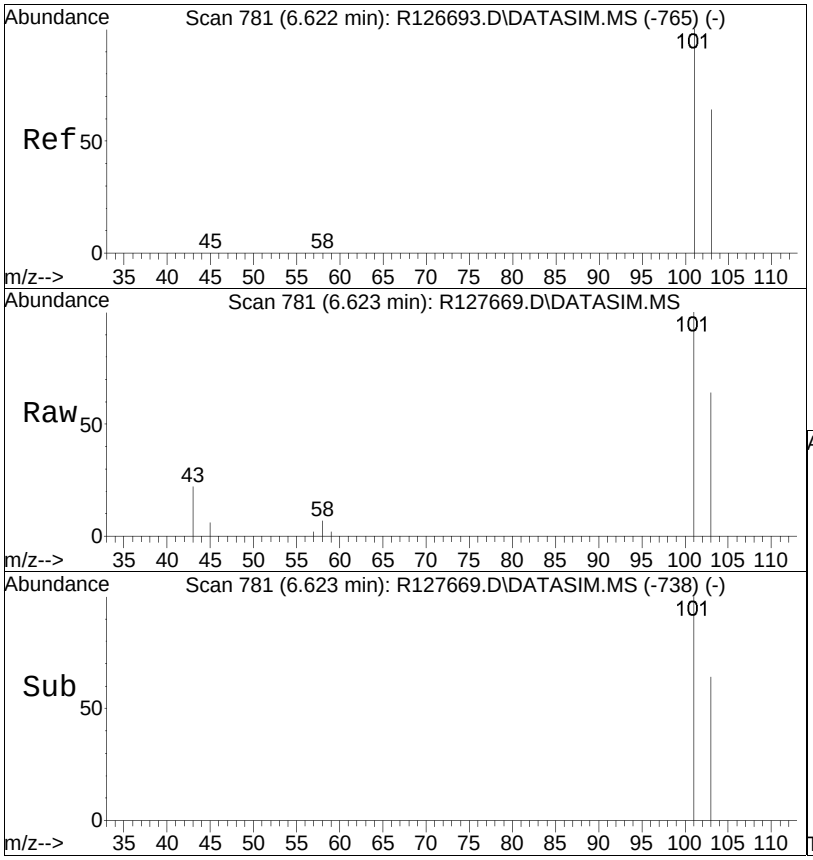


#12
acetone
Concen: 49.85 ppbV m
RT: 6.39 min Scan# 732
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 43 Resp: 1420994

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.0	30.0
57	0.8	0.6	1.0

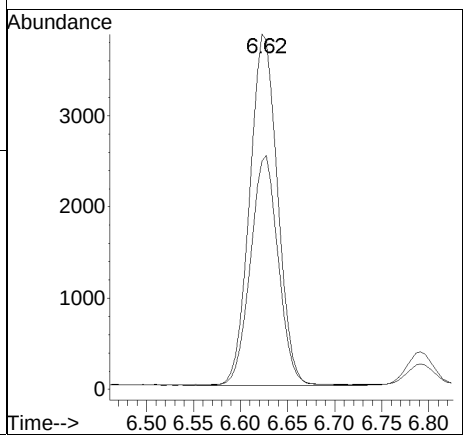


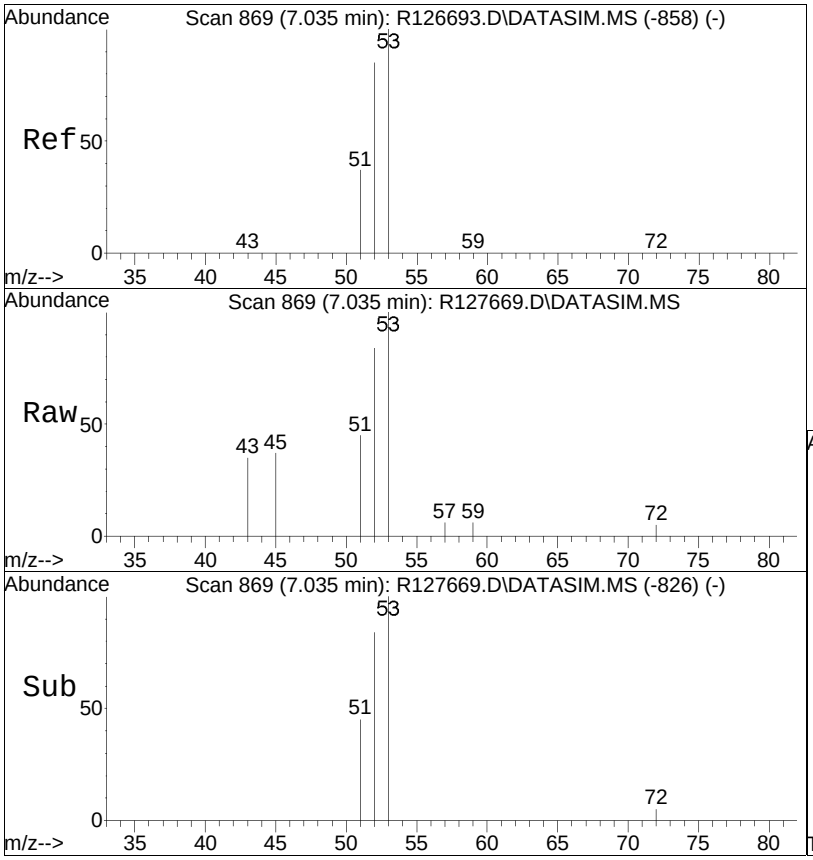


#13
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:101 Resp: 7929

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

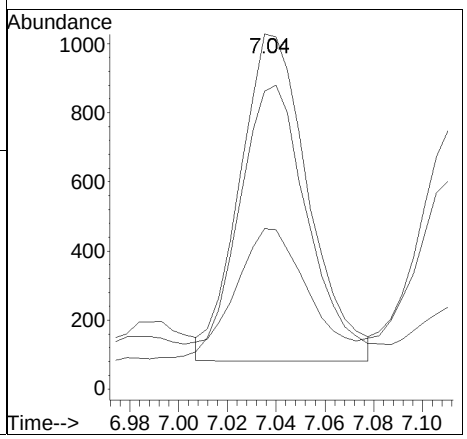


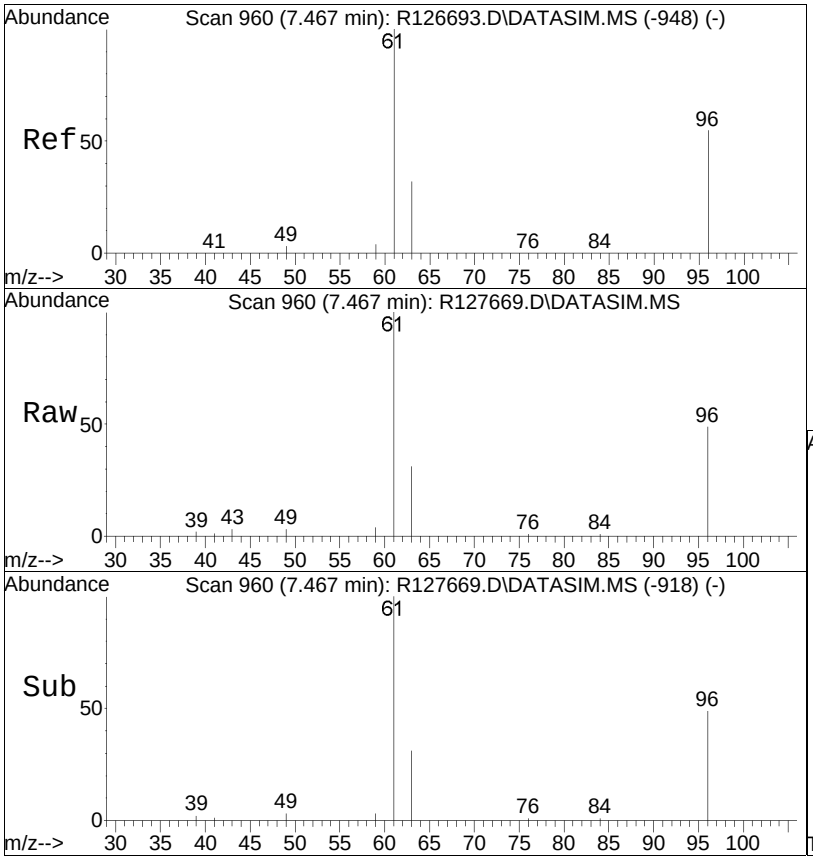


#15
acrylonitrile
Concen: 0.13 ppbV
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 53 Resp: 1847

Ion	Ratio	Lower	Upper
53	100		
52	83.9	68.5	102.7
51	45.2	30.1	45.1#

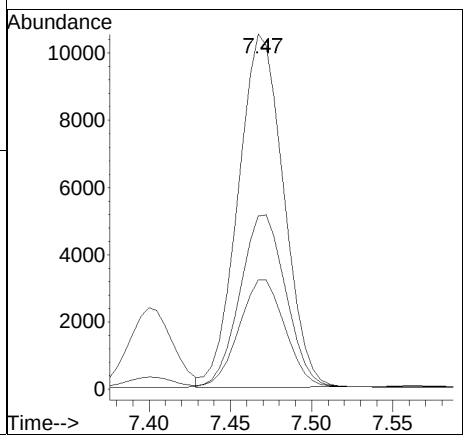


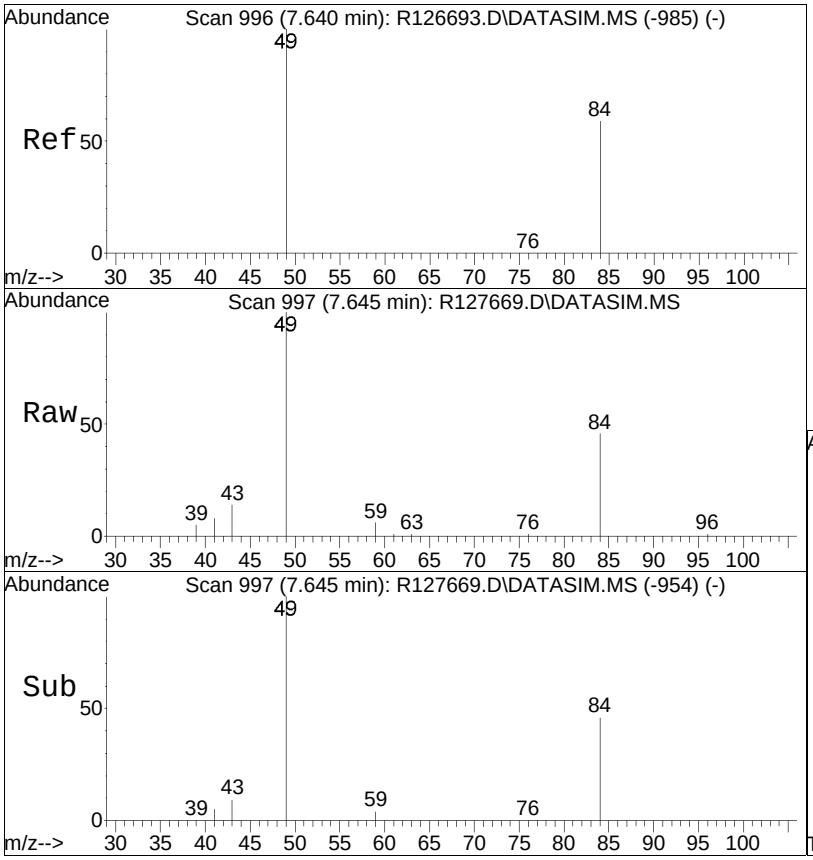


#16
1,1-dichloroethene
Concen: 0.80 ppbV
RT: 7.47 min Scan# 960
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 61 Resp: 20404

Ion	Ratio	Lower	Upper
61	100		
96	48.8	39.4	59.2
63	30.8	24.4	36.6

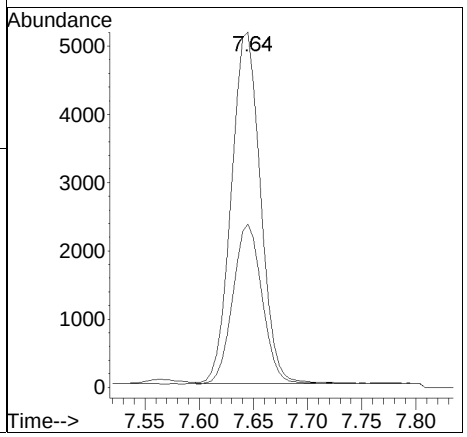


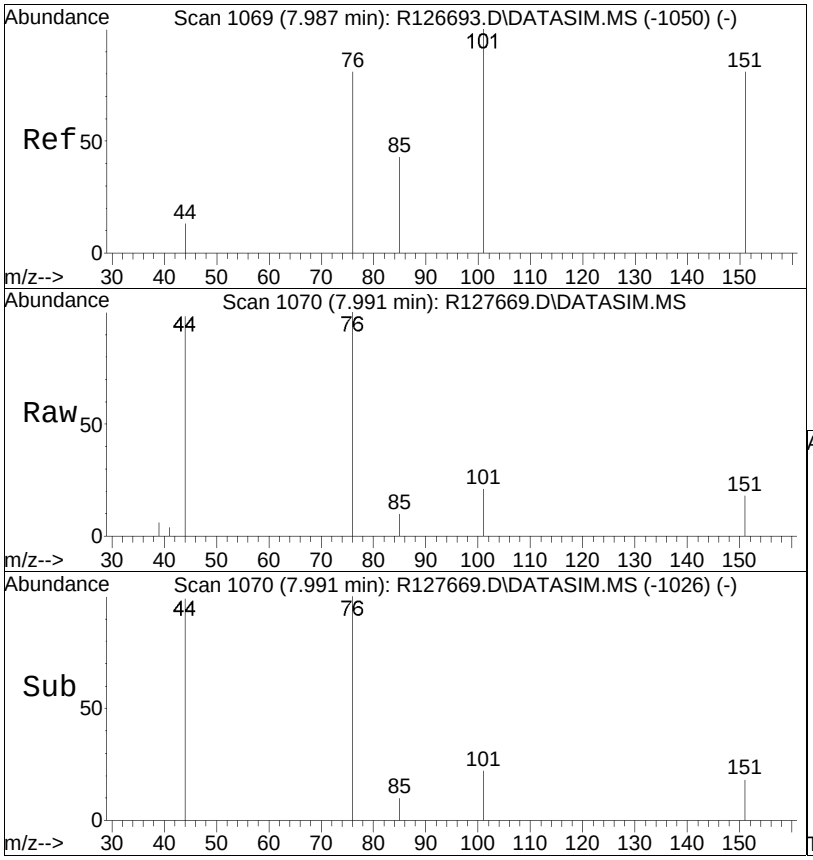


#17
methylene chloride
Concen: 0.40 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 49 Resp: 9591

Ion	Ratio	Lower	Upper
49	100		
84	46.0	37.2	55.8

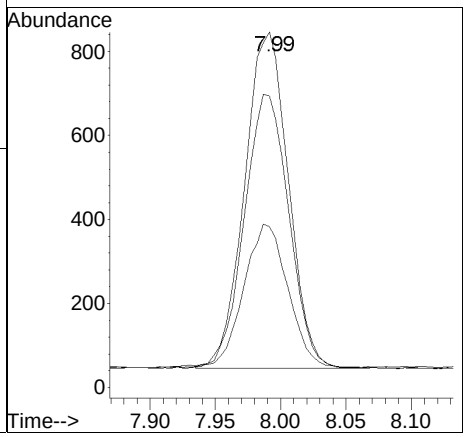


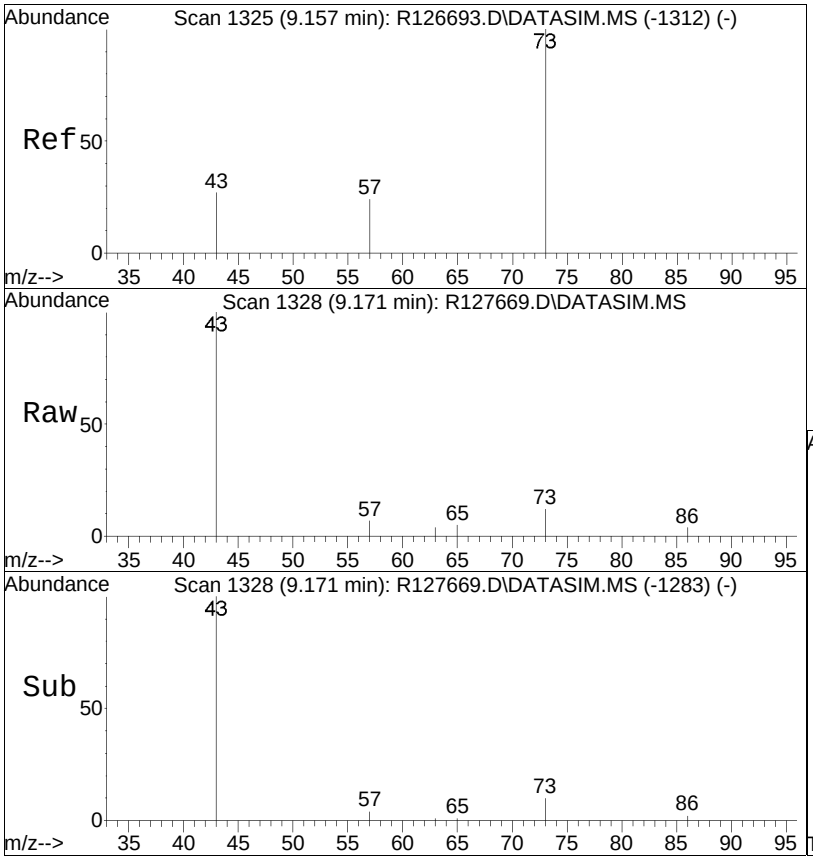


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:101 Resp: 1863

Ion	Ratio	Lower	Upper
101	100		
85	45.3	34.2	51.2
151	82.0	67.8	101.8

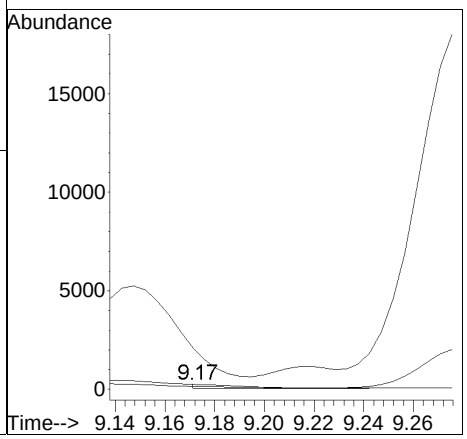


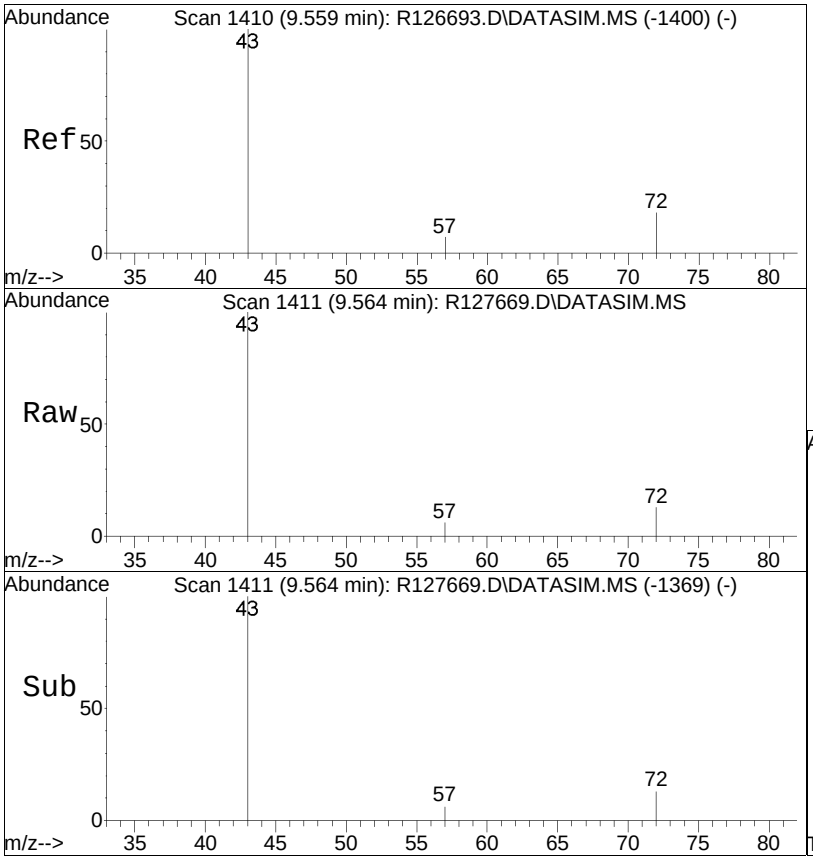


#24
MTBE
Concen: 0.01 ppbV m
RT: 9.17 min Scan# 1328
Delta R.T. 0.014 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 73 Resp: 256

Ion	Ratio	Lower	Upper
73	100		
57	58.5	23.3	34.9#
43	842.7	25.1	37.7#

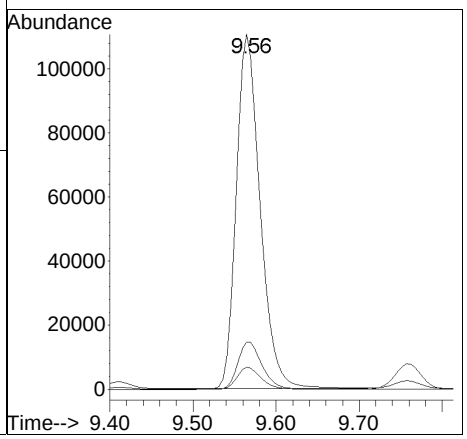


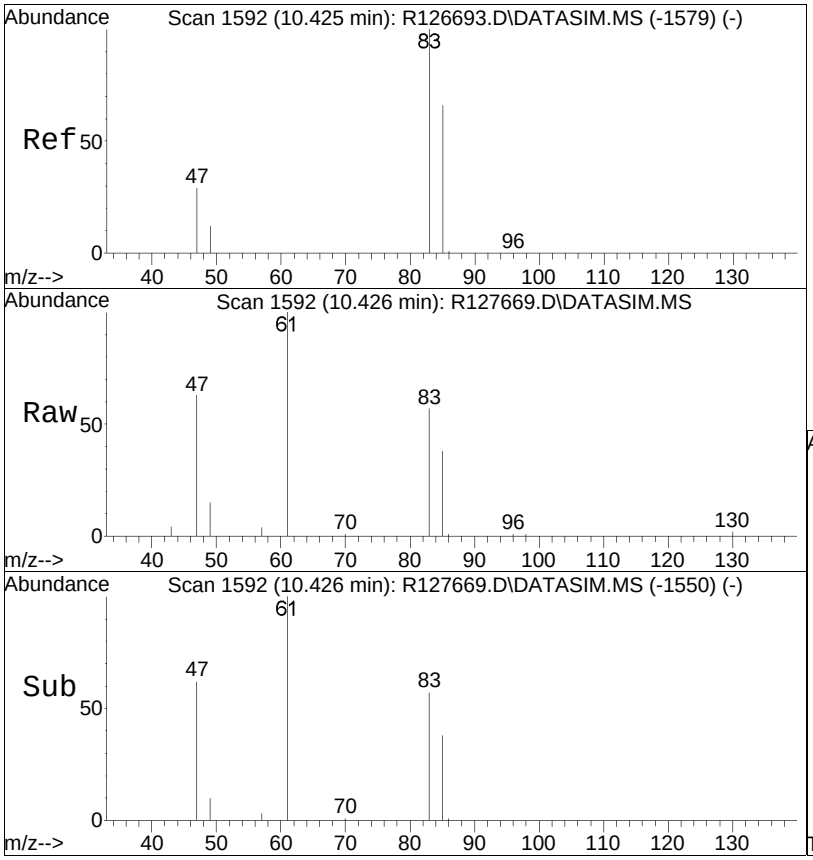


#26
2-butanone
Concen: 4.94 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 43 Resp: 220667

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	6.2	5.2	7.8

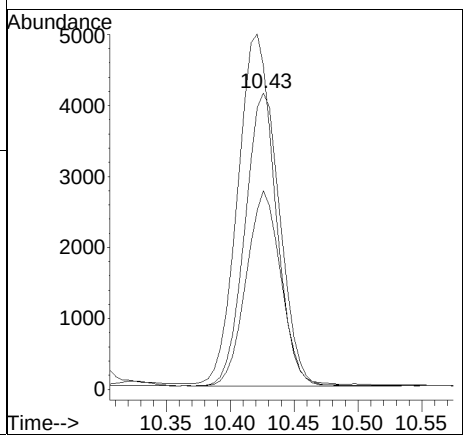


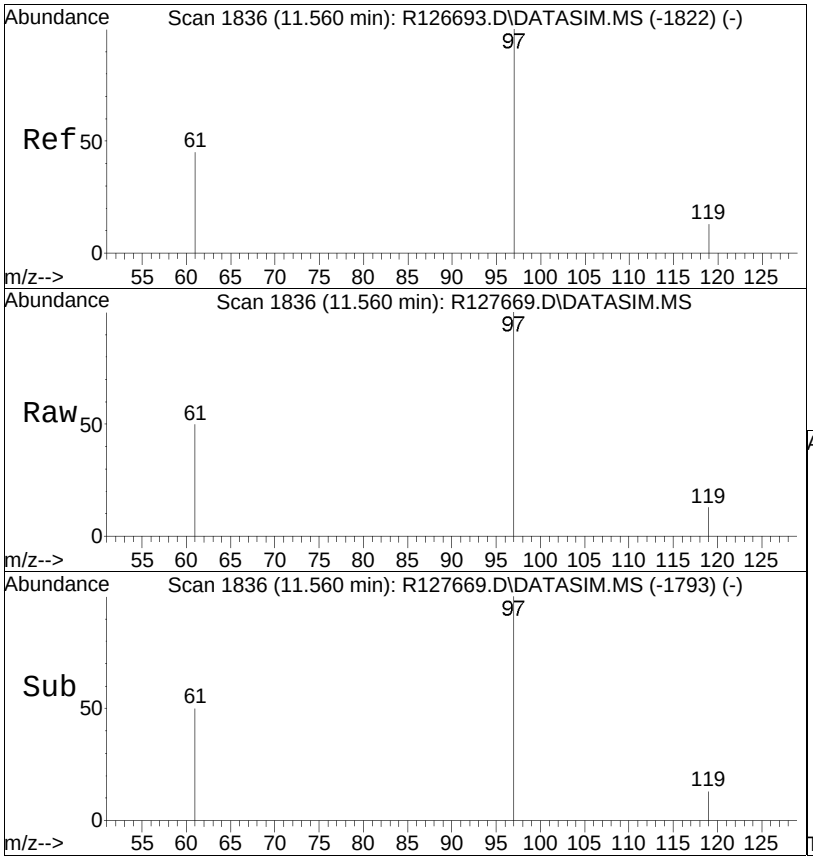


#29
chloroform
Concen: 0.26 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 83 Resp: 8037

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.2	78.2
47	109.3	26.4	39.6#

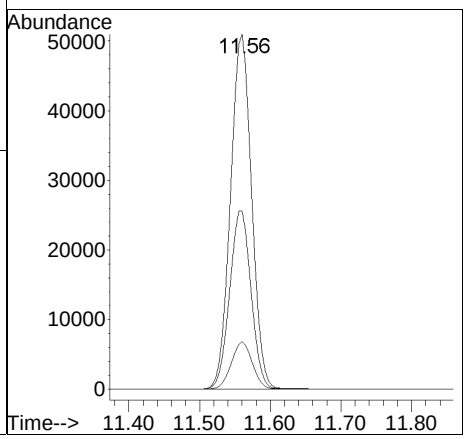


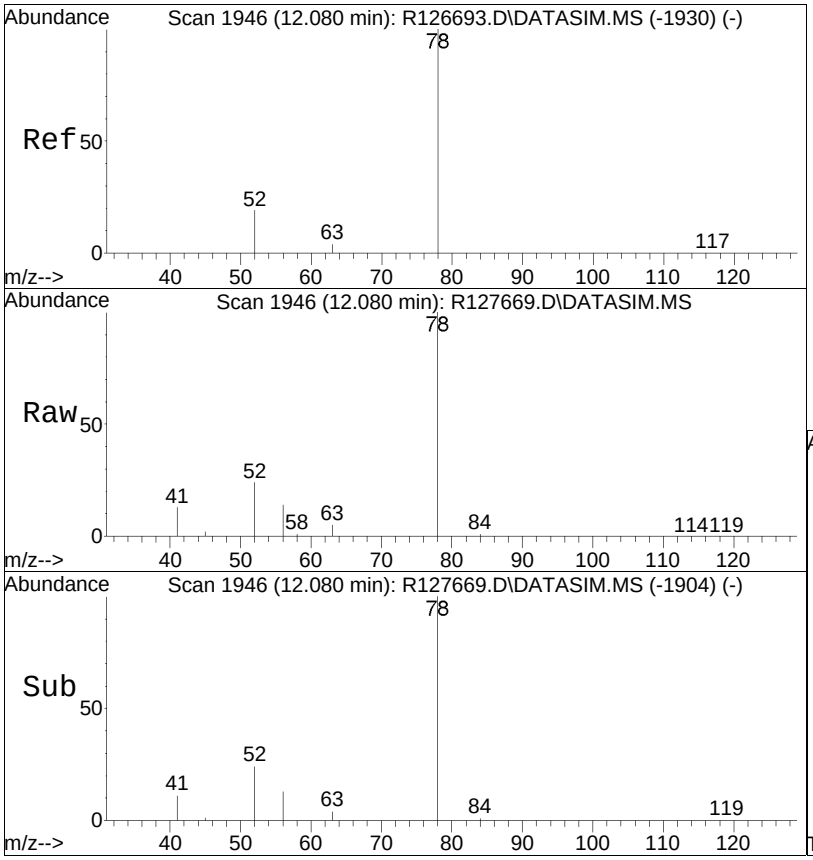


#35
1,1,1-trichloroethane
Concen: 3.42 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 97 Resp: 105706

Ion	Ratio	Lower	Upper
97	100		
61	50.2	38.6	58.0
119	13.5	11.0	16.6

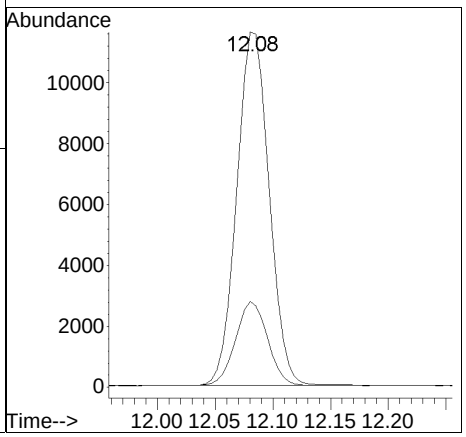


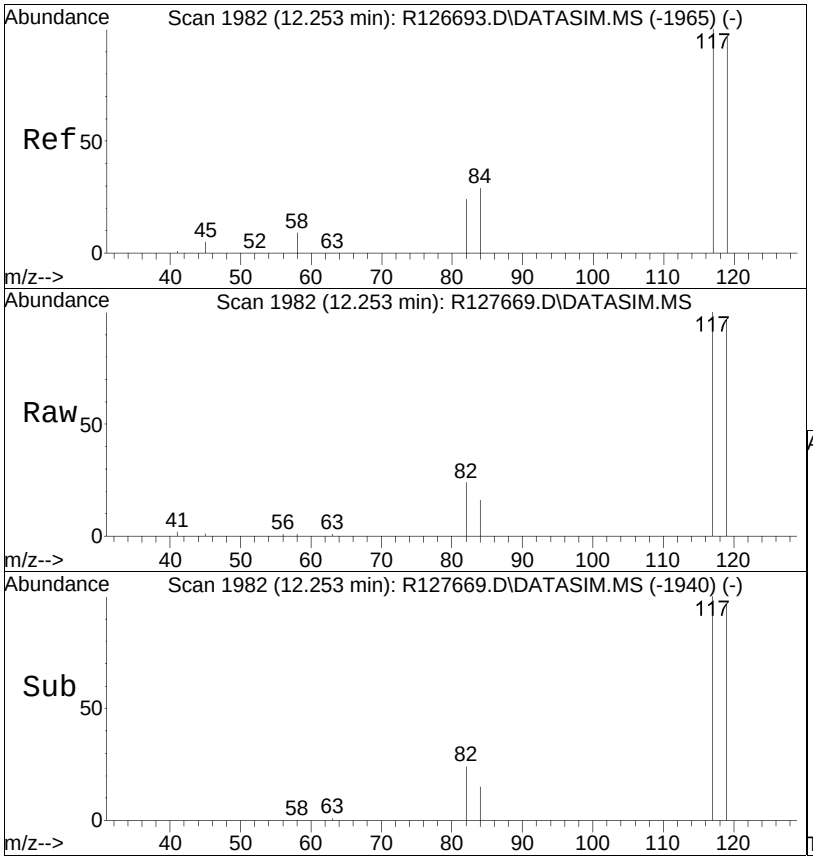


#36
benzene
Concen: 0.50 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 78 Resp: 22657

Ion	Ratio	Lower	Upper
78	100		
52	24.2	18.5	27.7

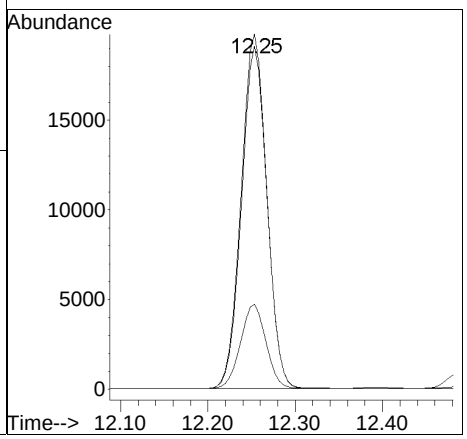


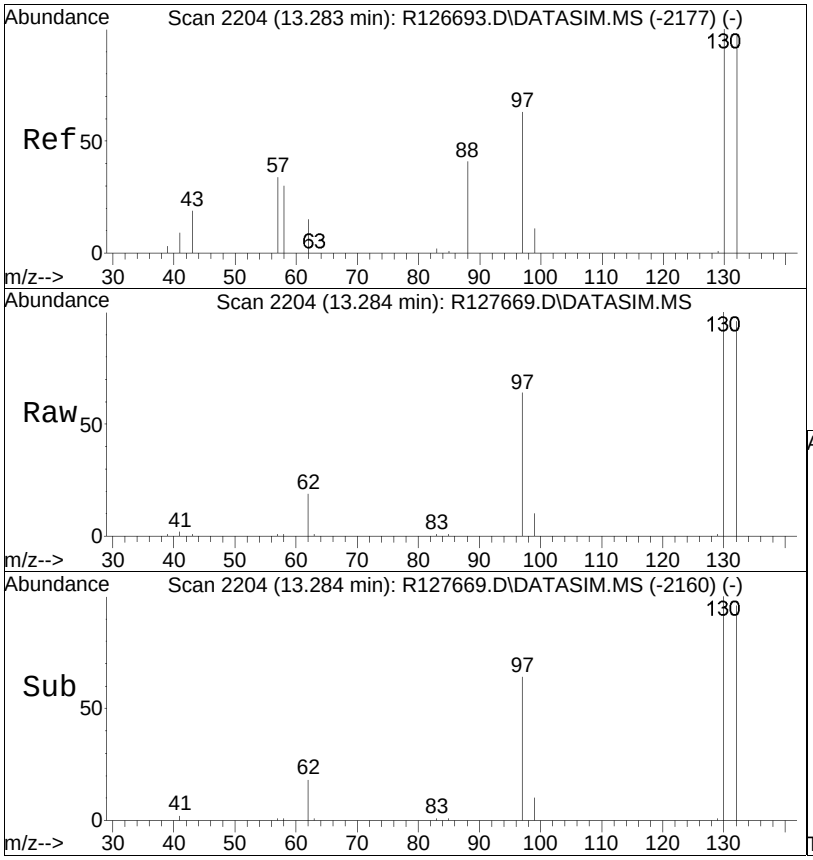


#37
carbon tetrachloride
Concen: 1.19 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:117 Resp: 40263

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
82	24.0	18.2	27.2

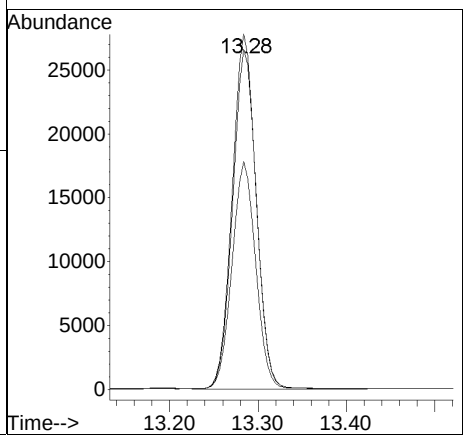




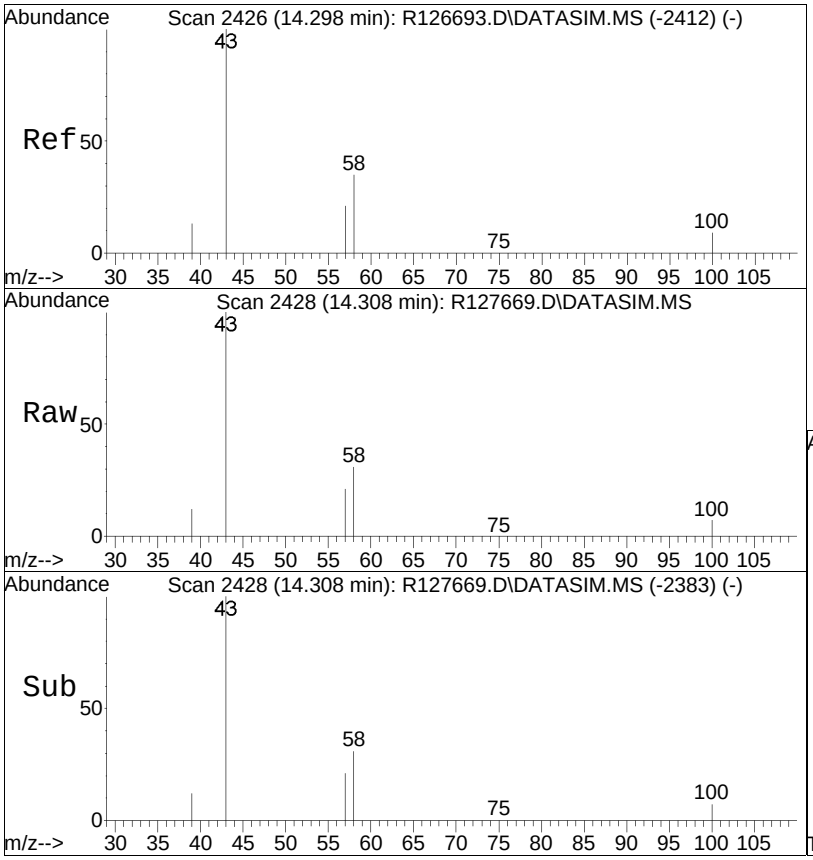
#42
trichloroethene
Concen: 2.33 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:130 Resp: 51995

Ion	Ratio	Lower	Upper
130	100		
132	95.8	77.3	115.9
97	64.1	50.6	75.8



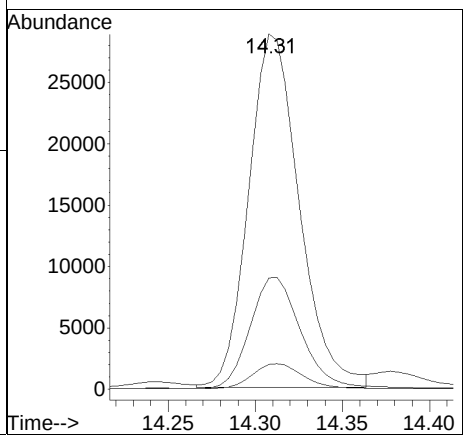
R127669.D TSIM130402.M Wed Apr 17 11:25:38 2013 Page 20

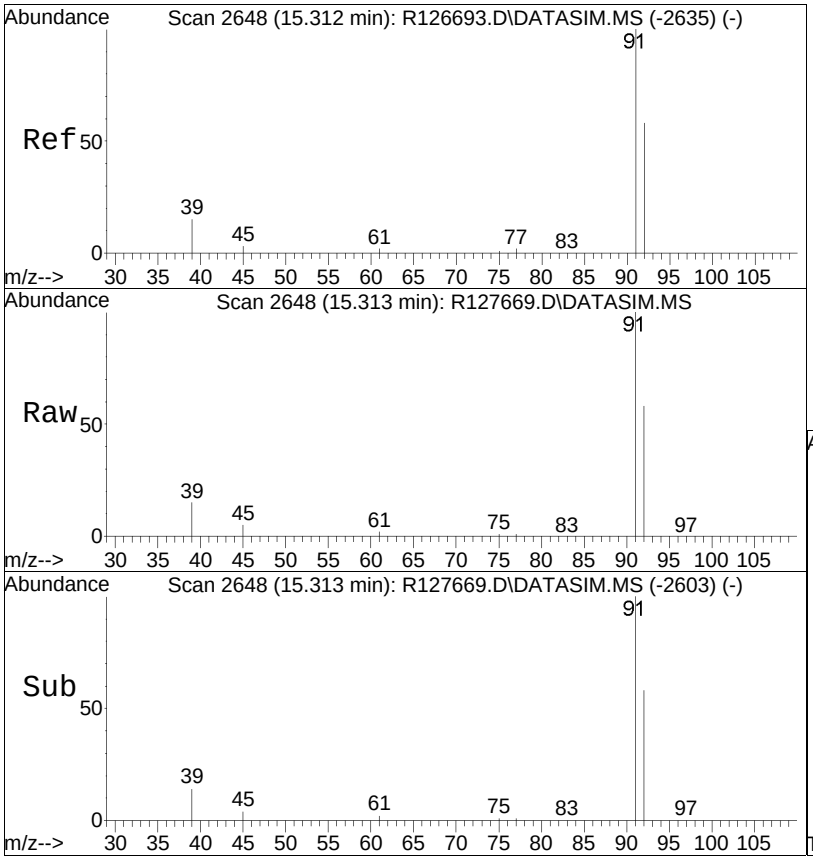


#46
4-methyl-2-pentanone
Concen: 1.12 ppbV m
RT: 14.31 min Scan# 2428
Delta R.T. 0.009 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 43 Resp: 58214

Ion	Ratio	Lower	Upper
43	100		
58	31.4	26.0	39.0
100	7.0	5.8	8.6

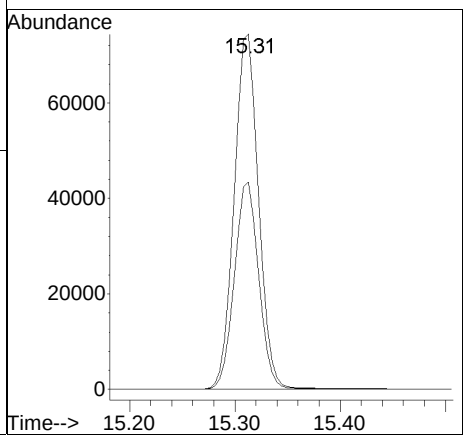


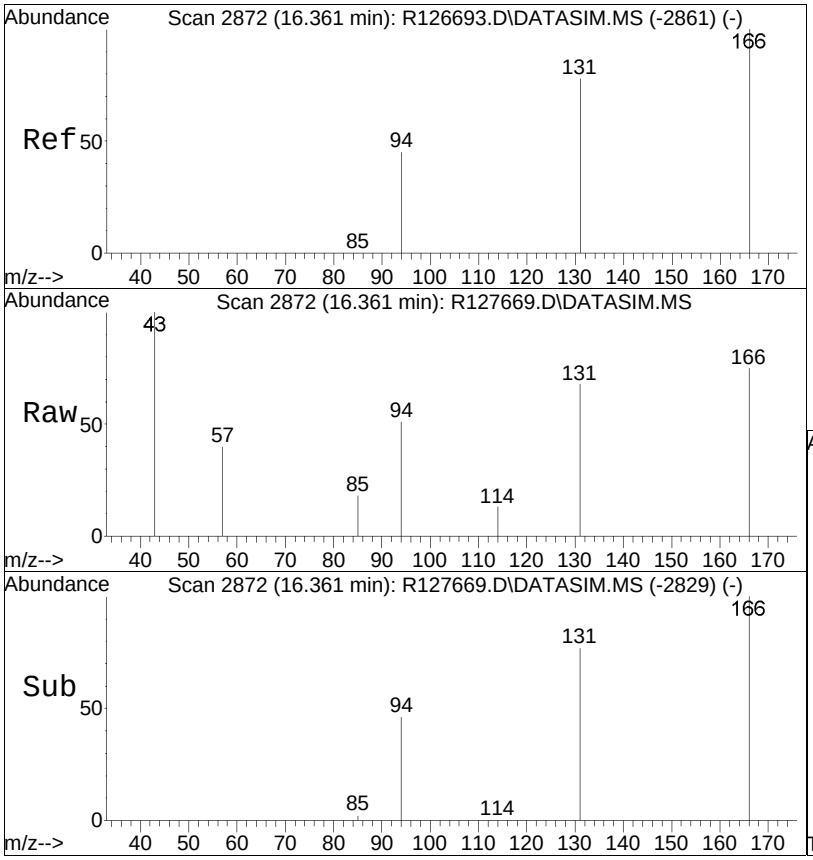


#50
toluene
Concen: 2.10 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 91 Resp: 119663

Ion	Ratio	Lower	Upper
91	100		
92	58.4	46.4	69.6

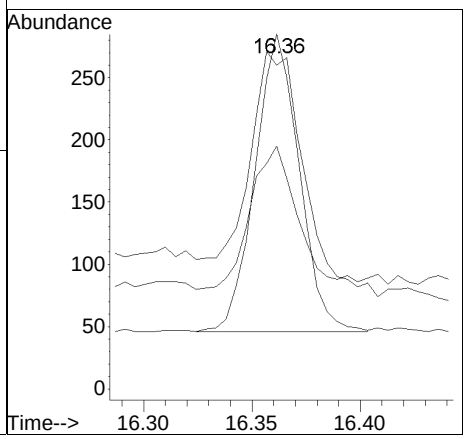


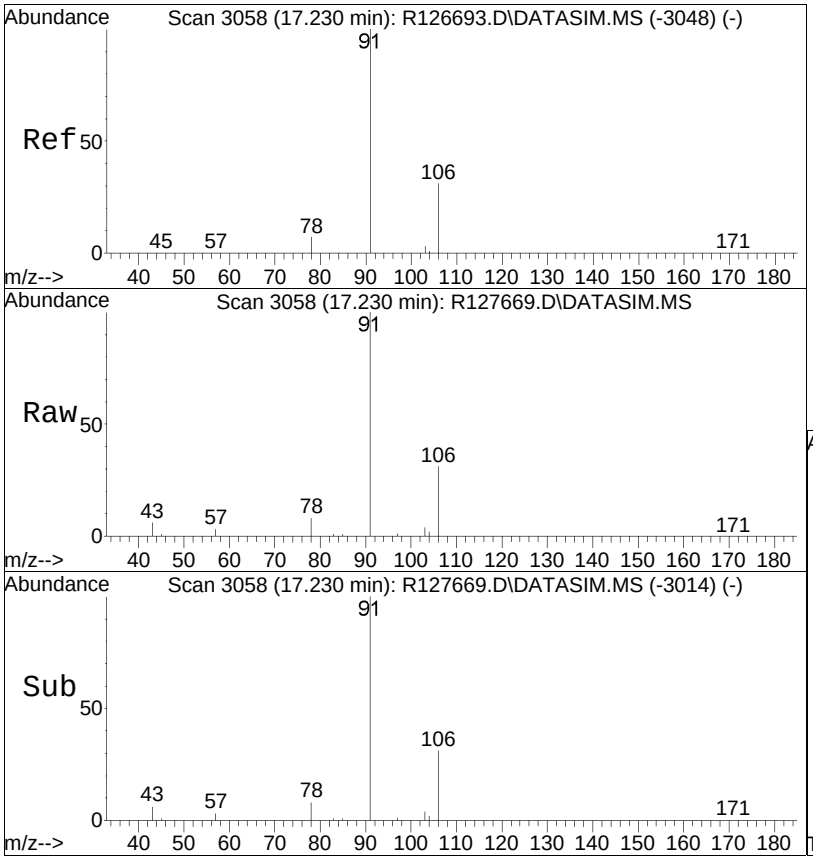


#55
tetrachloroethene
Concen: 0.01 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:166 Resp: 339

Ion	Ratio	Lower	Upper
166	100		
131	91.2	60.6	90.8#
94	68.4	32.2	48.2#

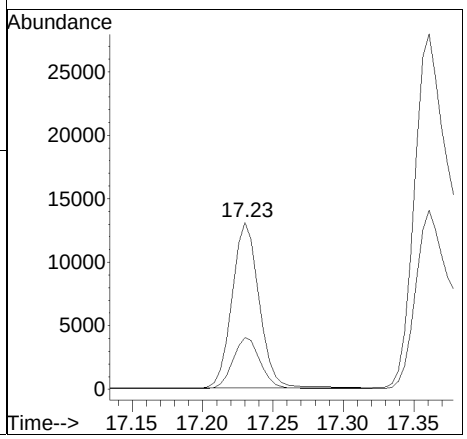


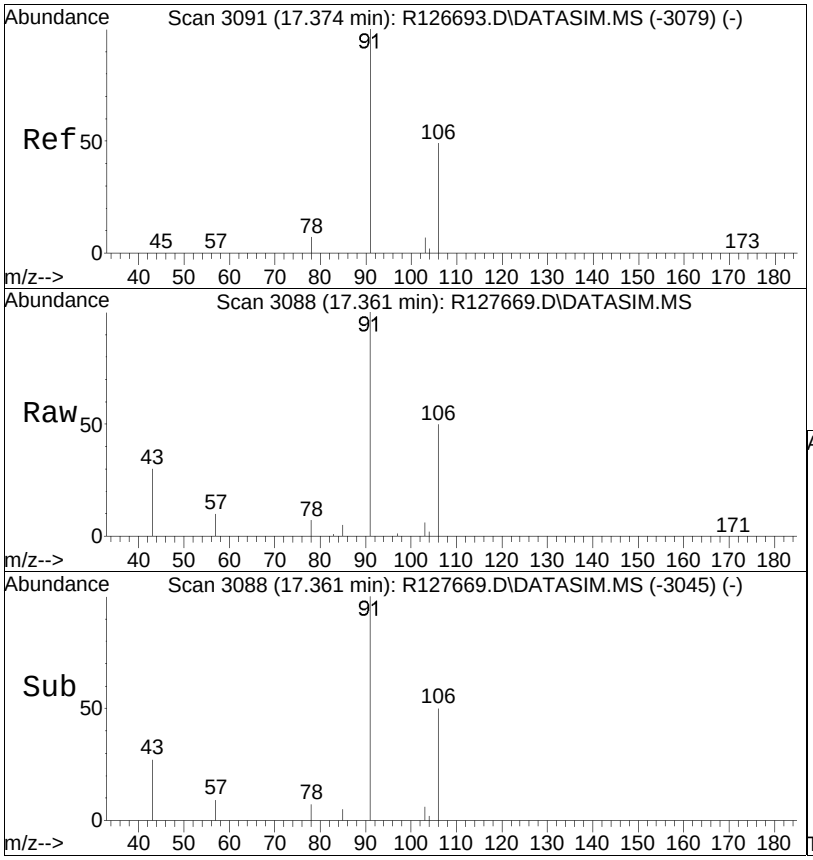


#58
ethylbenzene
Concen: 0.24 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 91 Resp: 17478

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.3	37.9

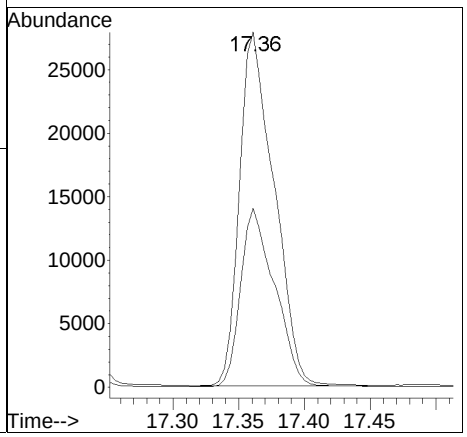


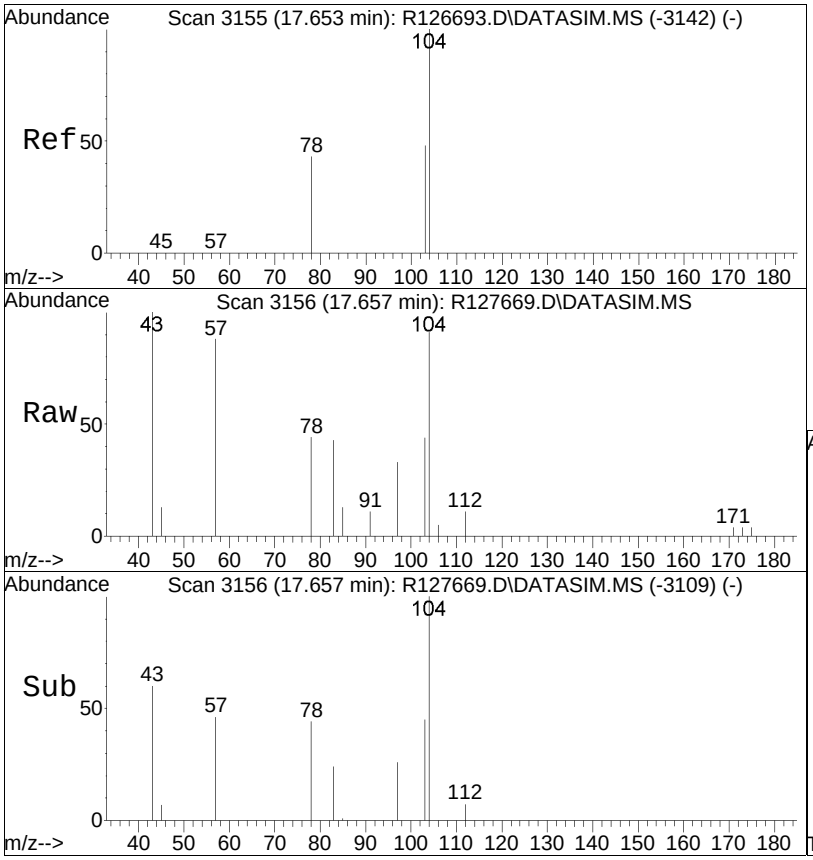


#59
m+p-xylene
Concen: 0.90 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 91 Resp: 50823

Ion	Ratio	Lower	Upper
91	100		
106	50.4	40.0	60.0

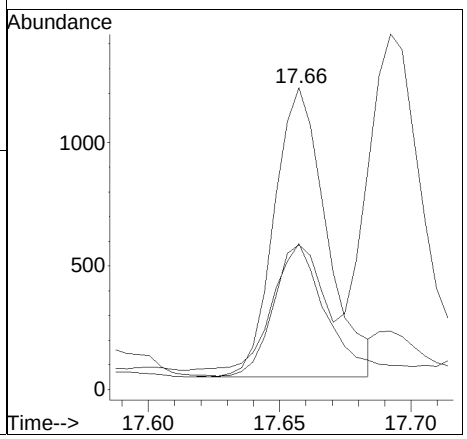


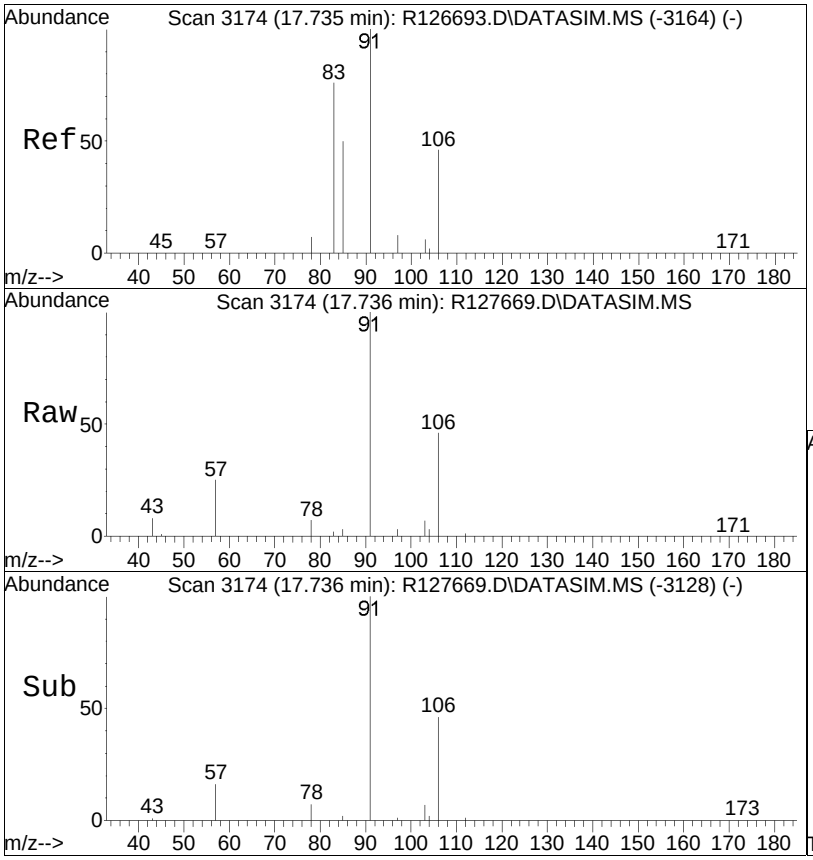


#61
styrene
Concen: 0.04 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:104 Resp: 1618

Ion	Ratio	Lower	Upper
104	100		
103	48.0	38.3	57.5
78	48.4	35.0	52.6

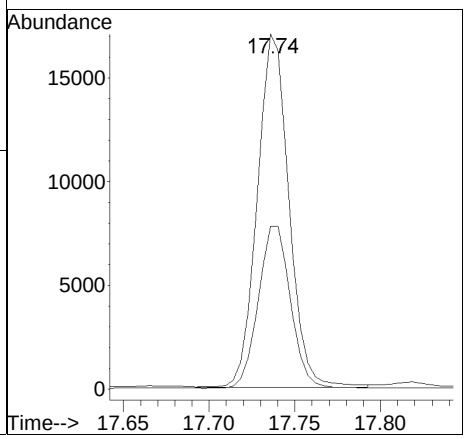


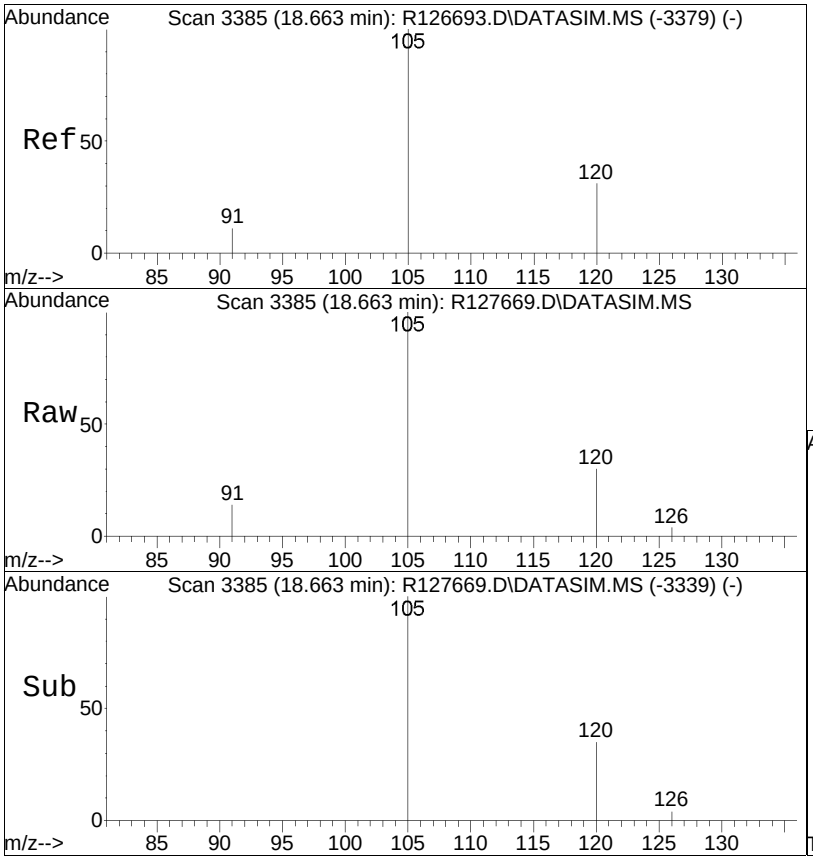


#63
o-xylene
Concen: 0.37 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 91 Resp: 21776

Ion	Ratio	Lower	Upper
91	100		
106	45.9	37.1	55.7

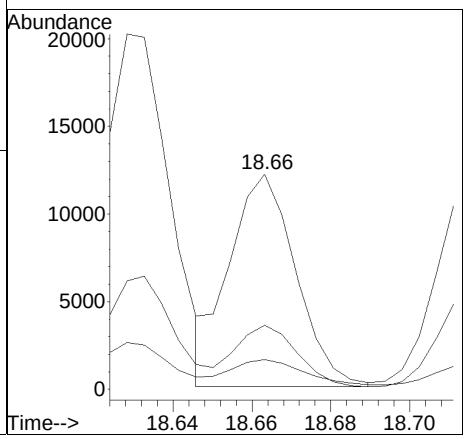


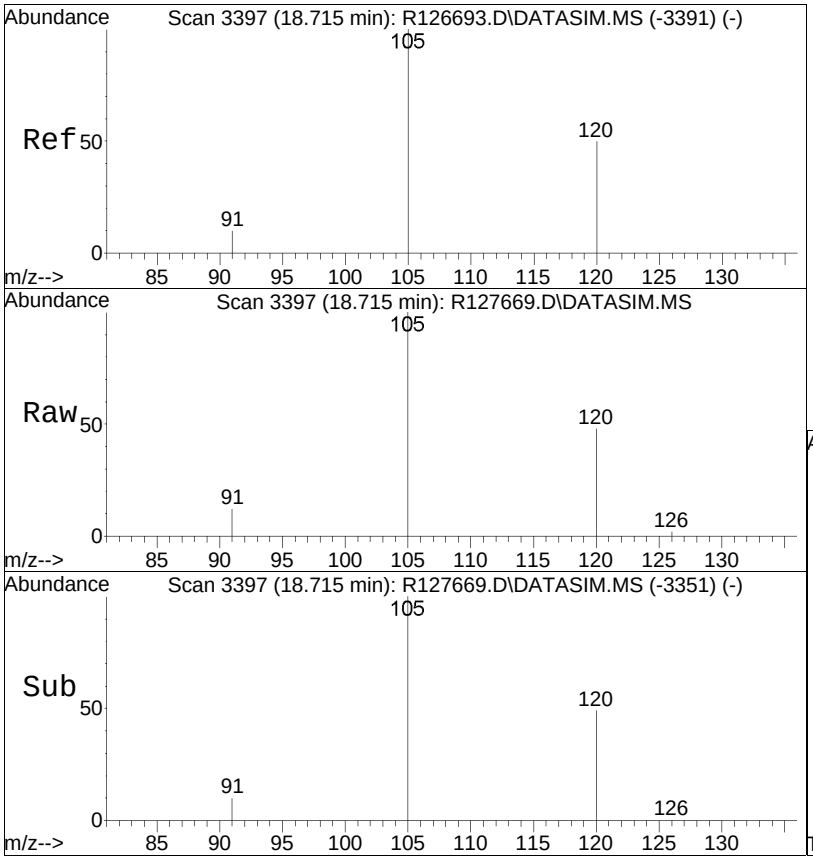


#66
4-ethyl toluene
Concen: 0.17 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:105 Resp: 14245

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.7	35.5
91	13.9	8.5	12.7#

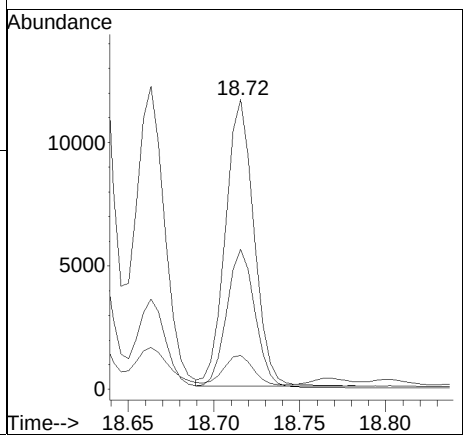


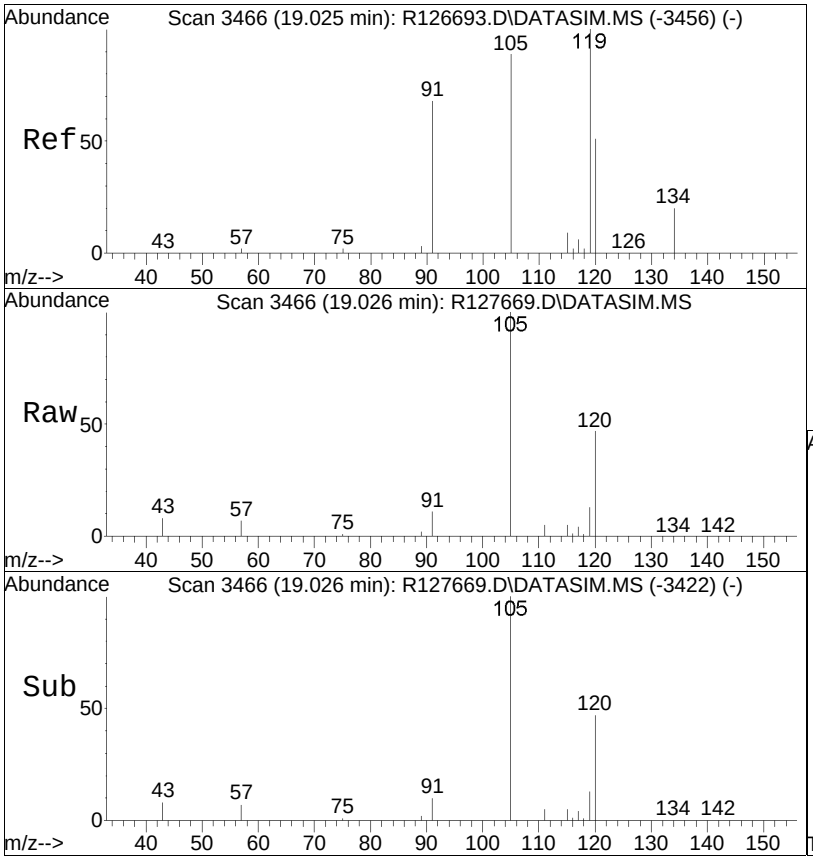


#67
1,3,5-trimethylbenzene
Concen: 0.19 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:105 Resp: 13484

Ion	Ratio	Lower	Upper
105	100		
120	48.3	39.0	58.4
91	11.7	8.0	12.0

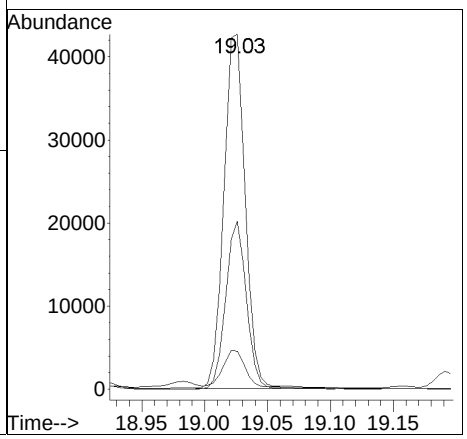


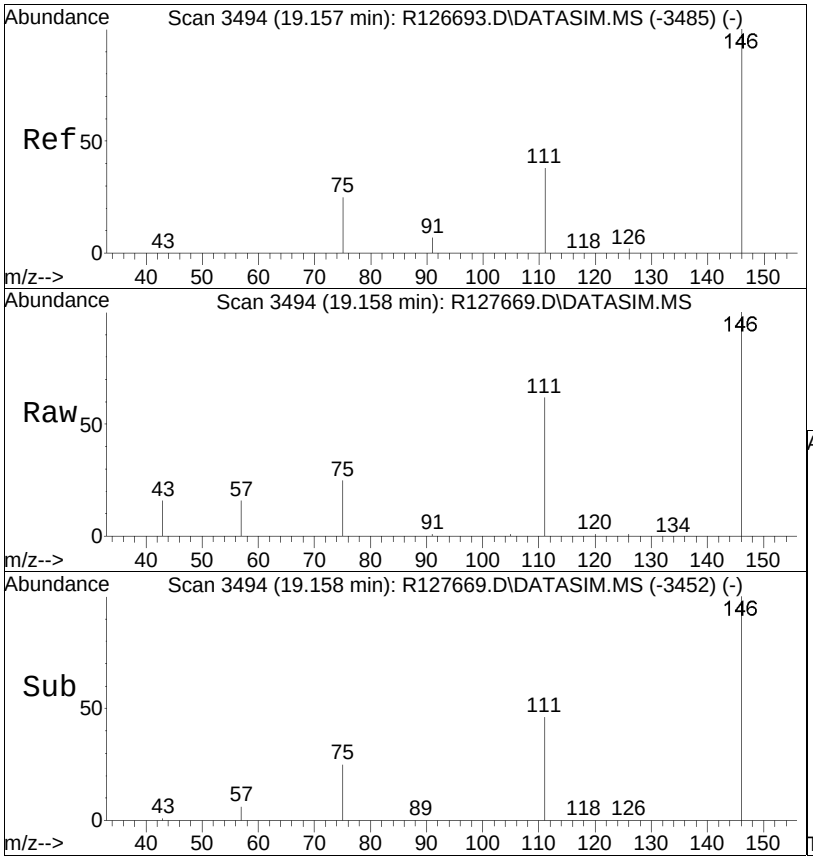


#69
1,2,4-trimethylbenzene
Concen: 0.71 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:105 Resp: 50305

Ion	Ratio	Lower	Upper
105	100		
120	47.3	44.9	67.3
91	10.8	58.6	88.0#

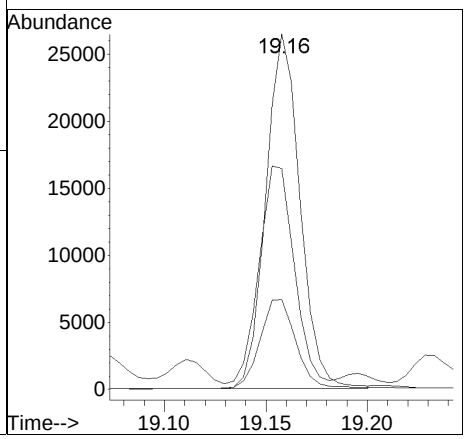


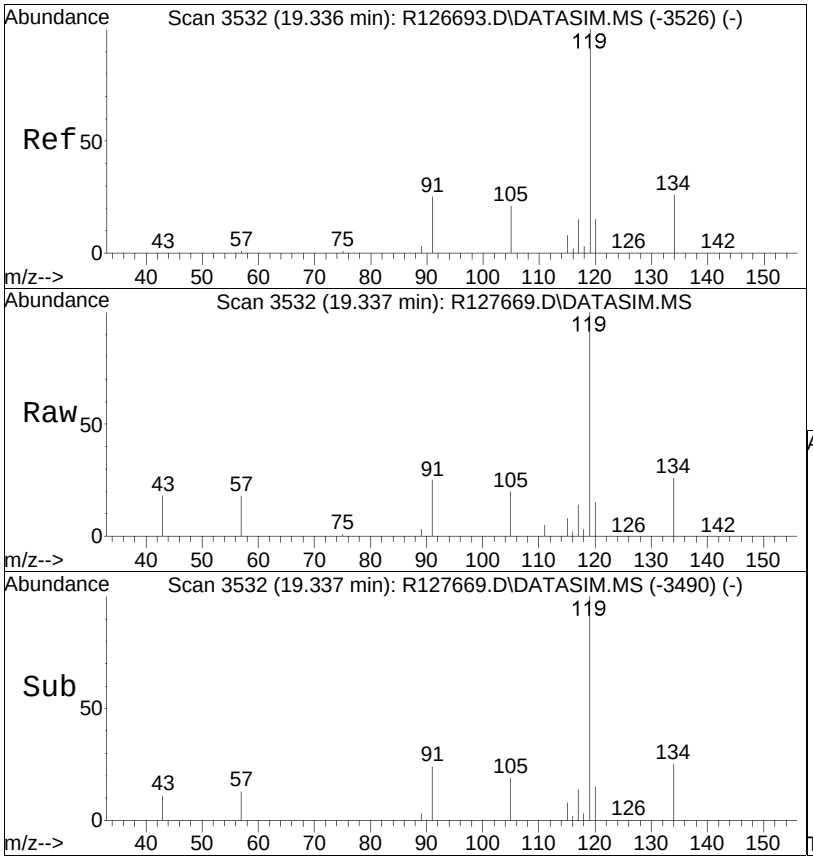


#71
1,3-dichlorobenzene
Concen: 0.58 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:146 Resp: 30974

Ion	Ratio	Lower	Upper
146	100		
111	62.2	29.5	44.3#
75	25.3	19.5	29.3

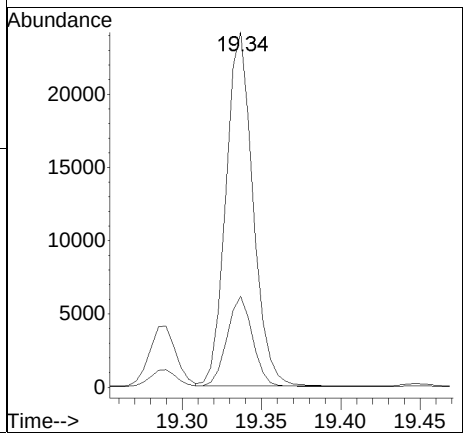


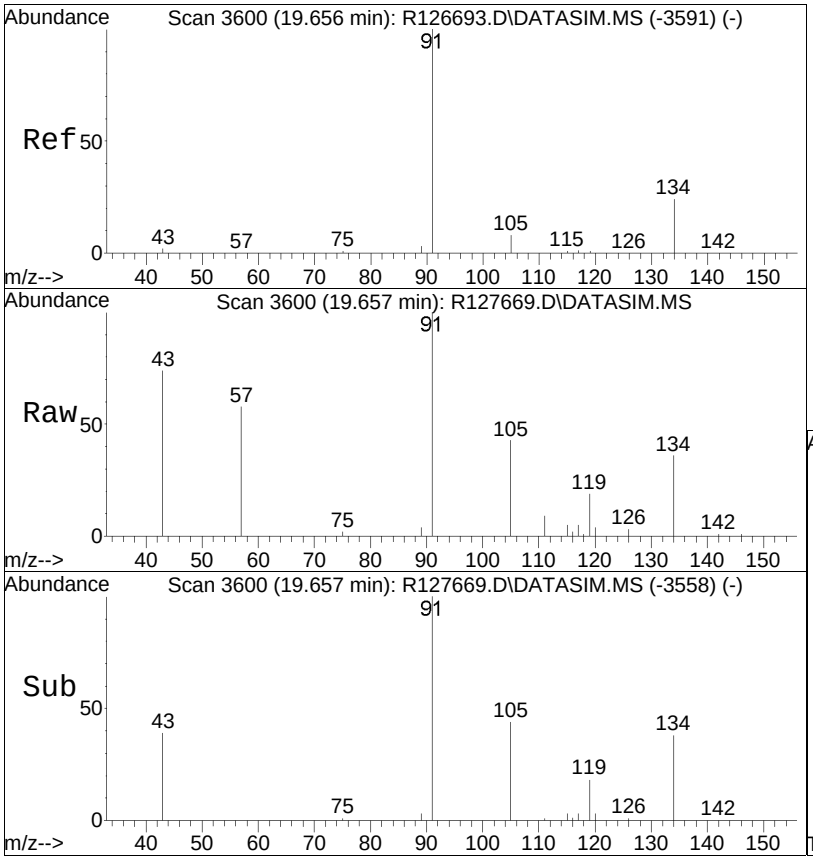


#74
p-isopropyltoluene
Concen: 0.30 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:119 Resp: 28664

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6

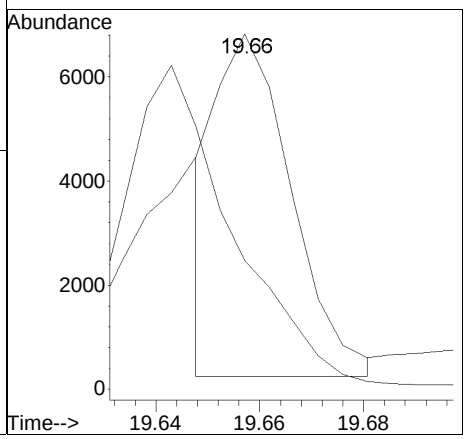


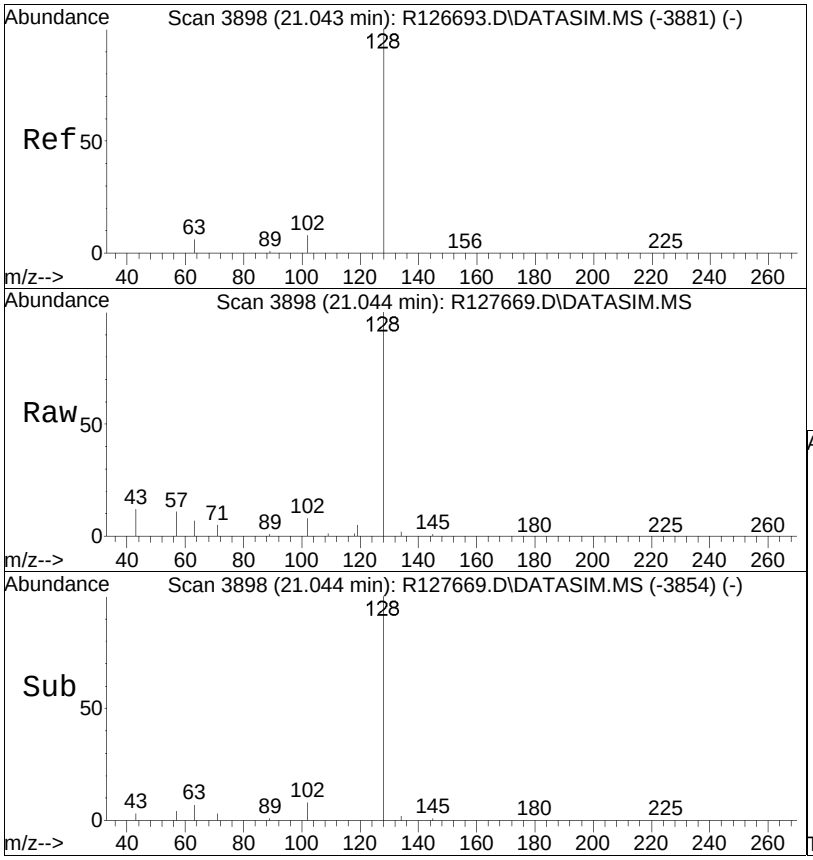


#76
n-butylbenzene
Concen: 0.08 ppbV m
RT: 19.66 min Scan# 3600
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion: 91 Resp: 6663

Ion	Ratio	Lower	Upper
91	100		
134	36.3	18.6	28.0#

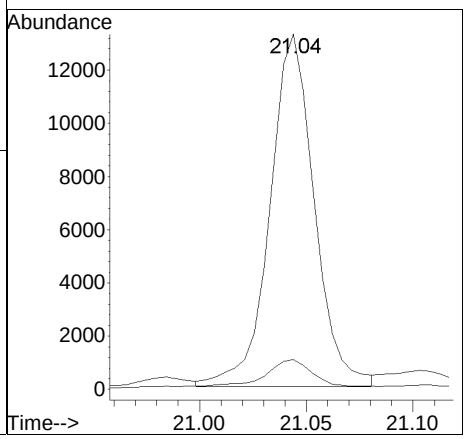




#78
naphthalene
Concen: 0.19 ppbV m
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127669.D
Acq: 15 Apr 2013 6:42 pm

Tgt Ion:128 Resp: 19205

Ion	Ratio	Lower	Upper
128	100		
102	8.4	6.2	9.2

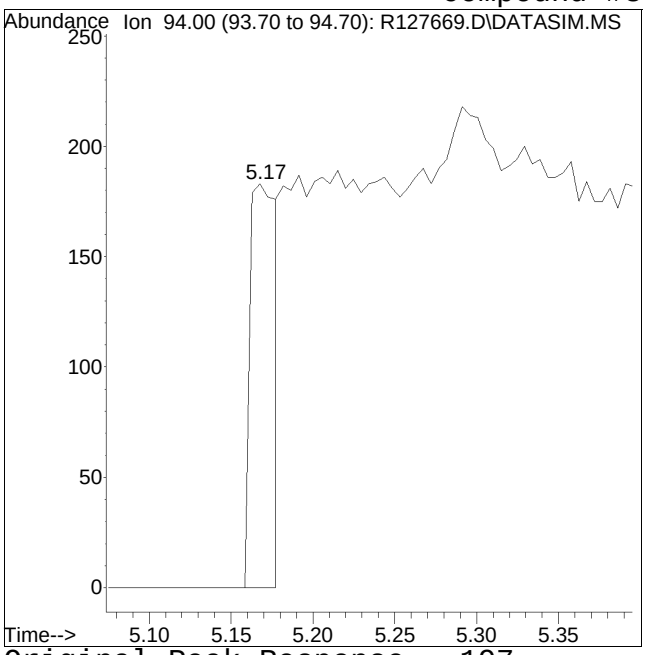


Manual Integration/Negative Proof Report

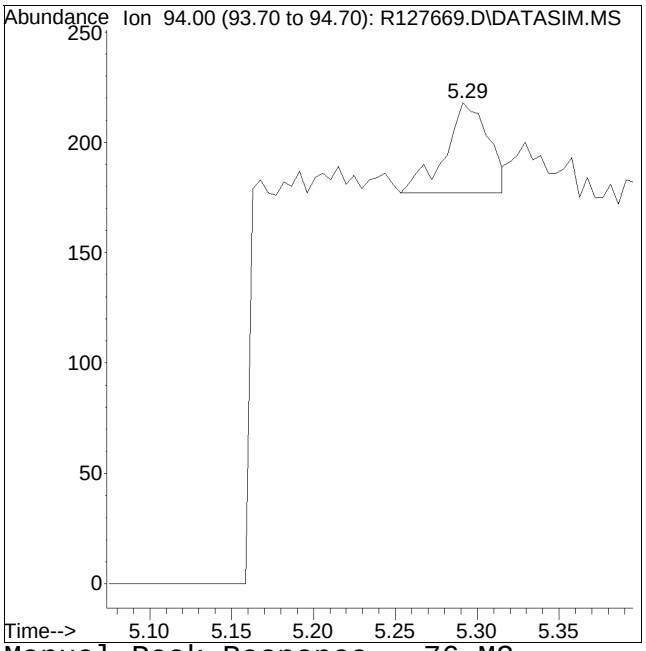
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #8: bromomethane



Original Peak Response = 197



Manual Peak Response = 76 M3

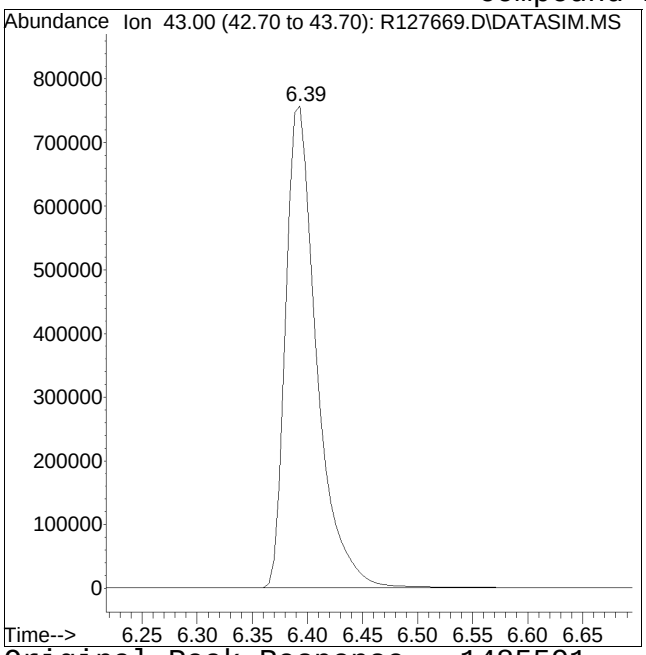
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

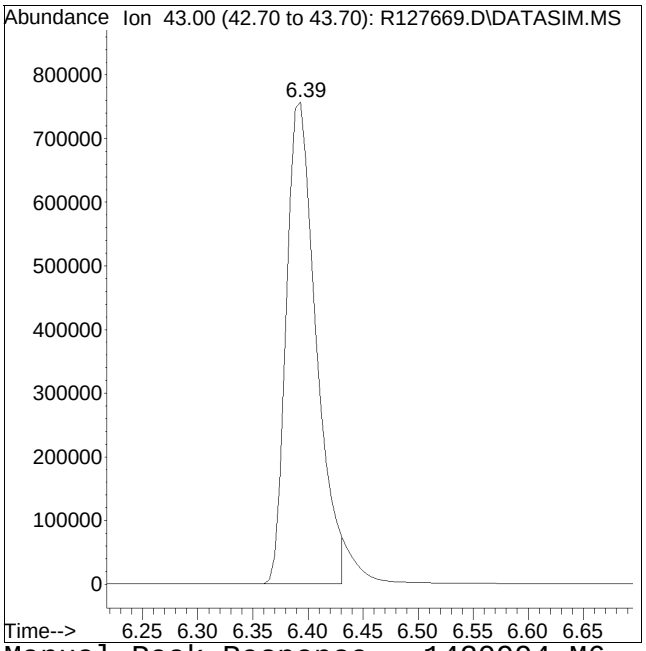
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #12: acetone



Original Peak Response = 1485591



Manual Peak Response = 1420994 M6

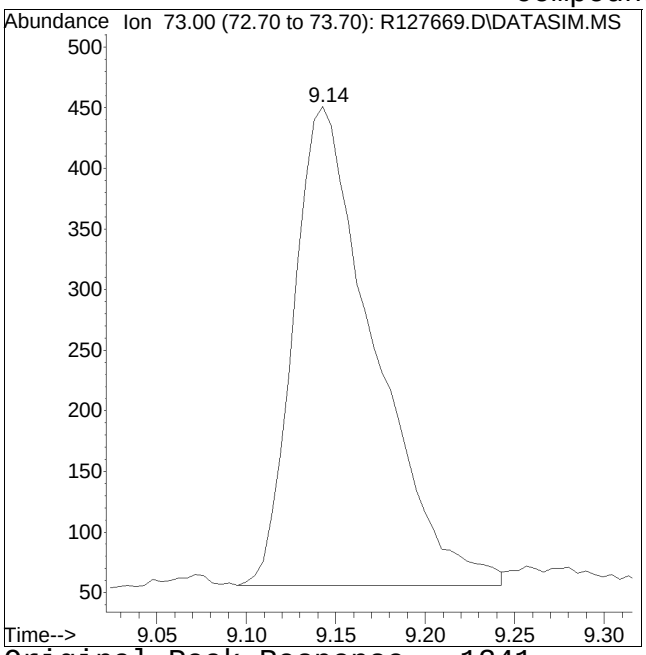
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

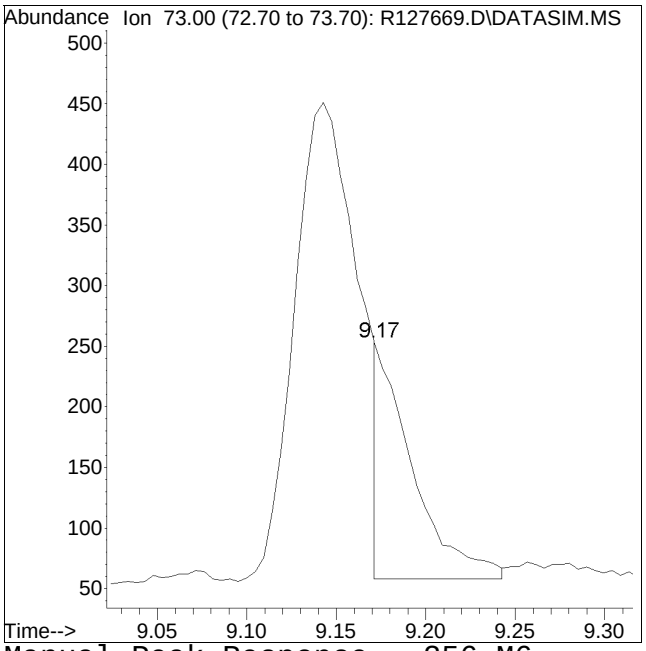
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #24: MTBE



Original Peak Response = 1241



Manual Peak Response = 256 M6

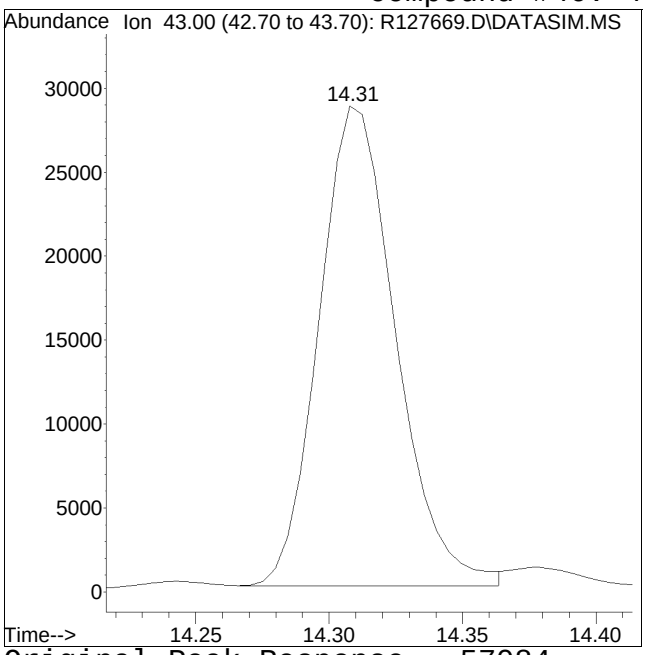
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

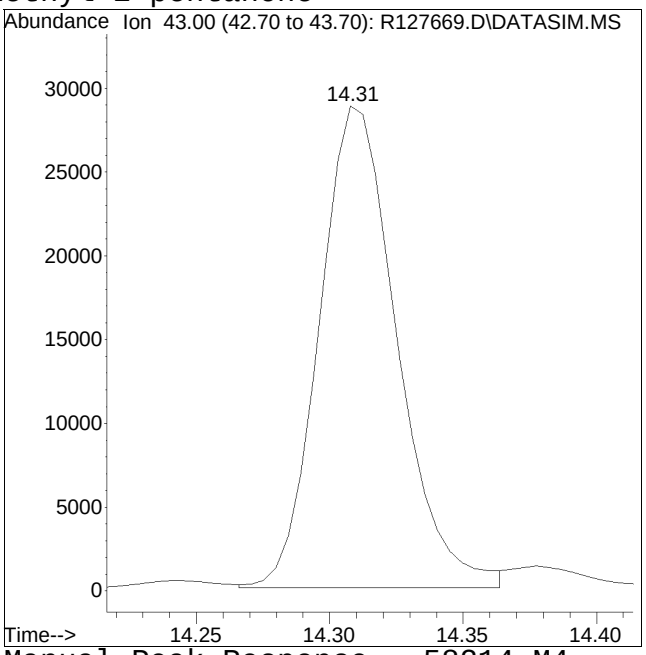
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 57084



Manual Peak Response = 58214 M4

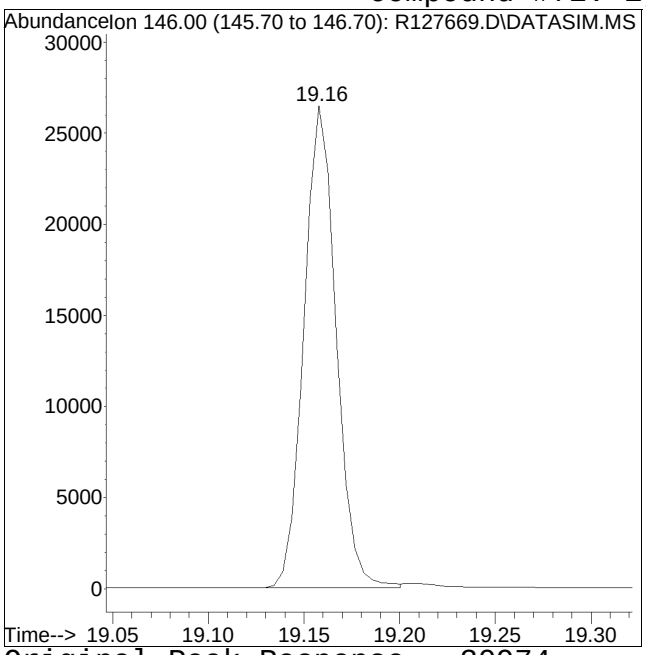
M4 = Poor automated baseline construction.

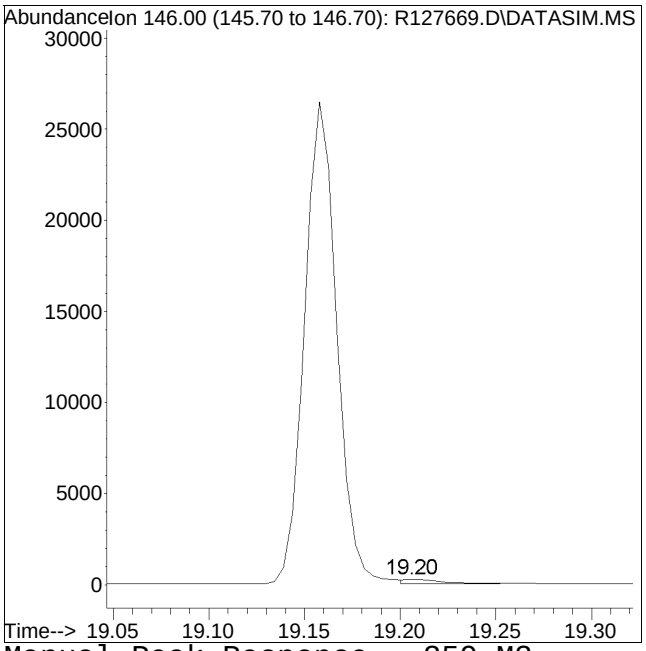
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 30974 Manual Peak Response = 359 M3

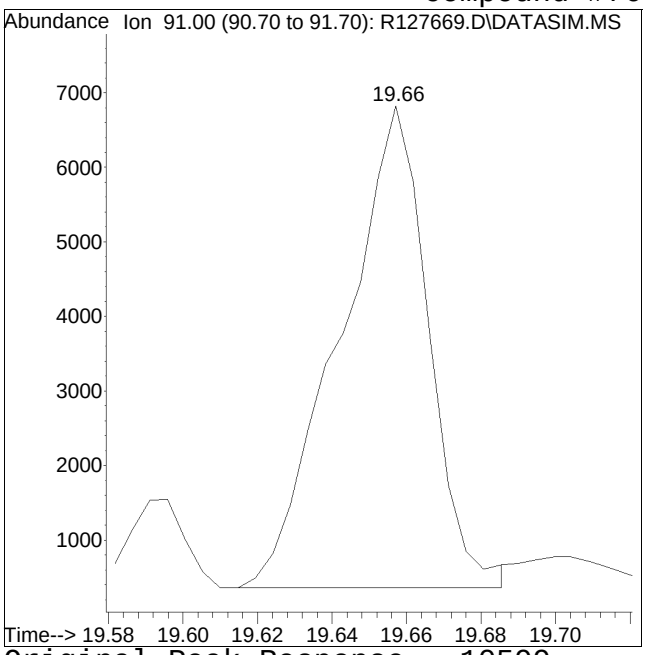
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

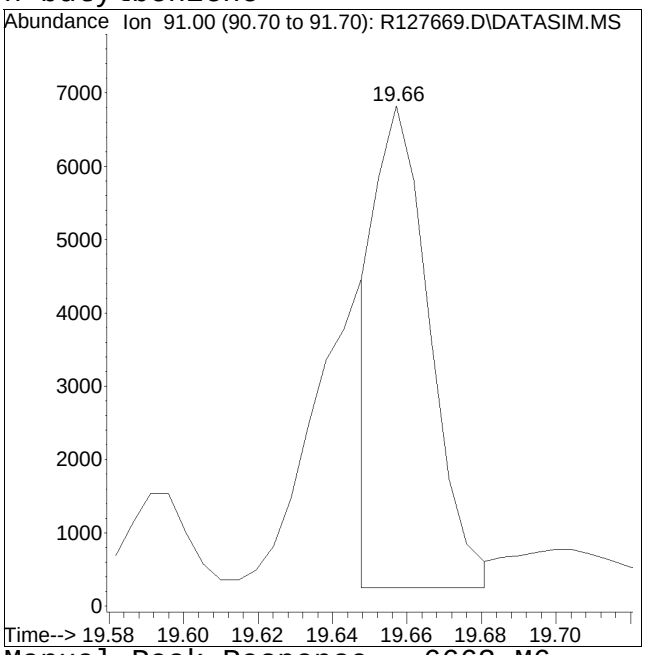
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #76: n-butylbenzene



Original Peak Response = 10599



Manual Peak Response = 6663 M6

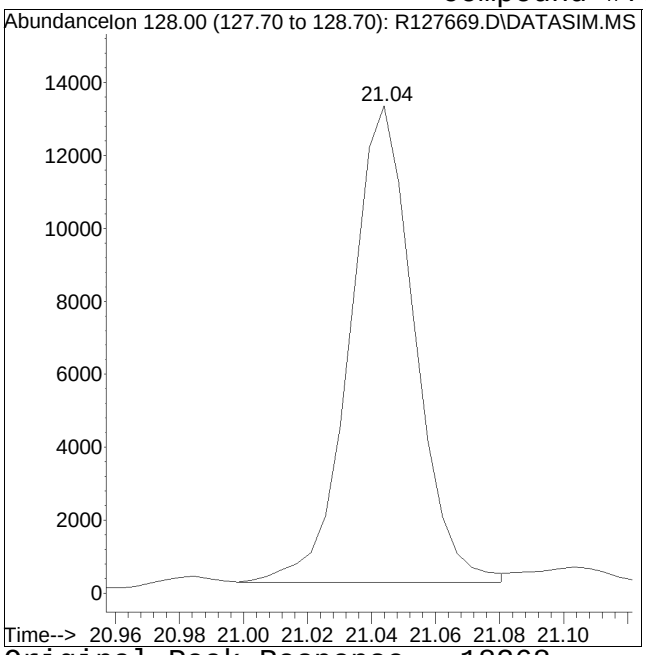
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

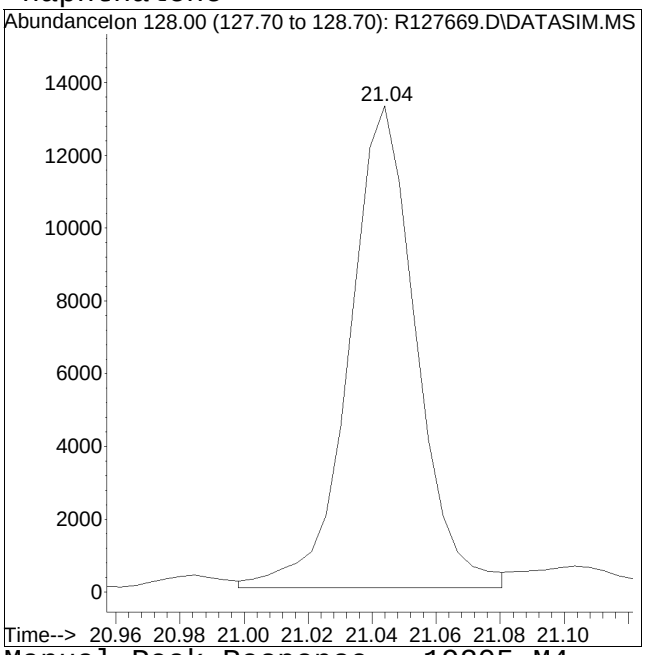
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127669.D
Date Inj'd : 4/15/2013 6:42 pm
Sample : L1306330-04,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:48 am

Compound #78: naphthalene



Original Peak Response = 18268



Manual Peak Response = 19205 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127670.D
Acq On : 15 Apr 2013 7:14 pm
Operator : AIRPIANO1:MB
Sample : L1306330-08D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 17 11:22:49 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	247785	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 89.28%			
32) 1,4-difluorobenzene	12.49	114	581504	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 102.21%			
49) chlorobenzene-D5	16.90	54	142361	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 103.10%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	7544	0.235	ppbV	99
4) chloromethane	4.40	50	1253M4	0.074	ppbV	
5) Freon-114	4.55	85	285	0.008	ppbV #	84
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	396	0.035	ppbV #	58
8) bromomethane	5.30		0	N.D.		
9) chloroethane	5.55	64	100	0.016	ppbV #	1
12) acetone	6.40	43	303850M6	11.333	ppbV	
13) trichlorofluoromethane	6.62	101	4691	0.122	ppbV	99
15) acrylonitrile	7.04	53	751M4	0.058	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	6741	0.301	ppbV	99
20) Freon 113	7.99	101	4303	0.161	ppbV	98
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	207244	4.932	ppbV	97
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	441	0.015	ppbV #	43
31) 1,2-dichloroethane	0.00		0	N.D.	d	
35) 1,1,1-trichloroethane	11.56	97	1860	0.060	ppbV #	93
36) benzene	12.08	78	23772	0.517	ppbV	99
37) carbon tetrachloride	12.25	117	191399	5.606	ppbV	99
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	379	0.017	ppbV	94
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	85171	1.632	ppbV	99
47) trans-1,3-dichloropropene	0.00		0	N.D.	d	

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127670.D
Acq On : 15 Apr 2013 7:14 pm
Operator : AIRPIANO1:MB
Sample : L1306330-08D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 17 11:22:49 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

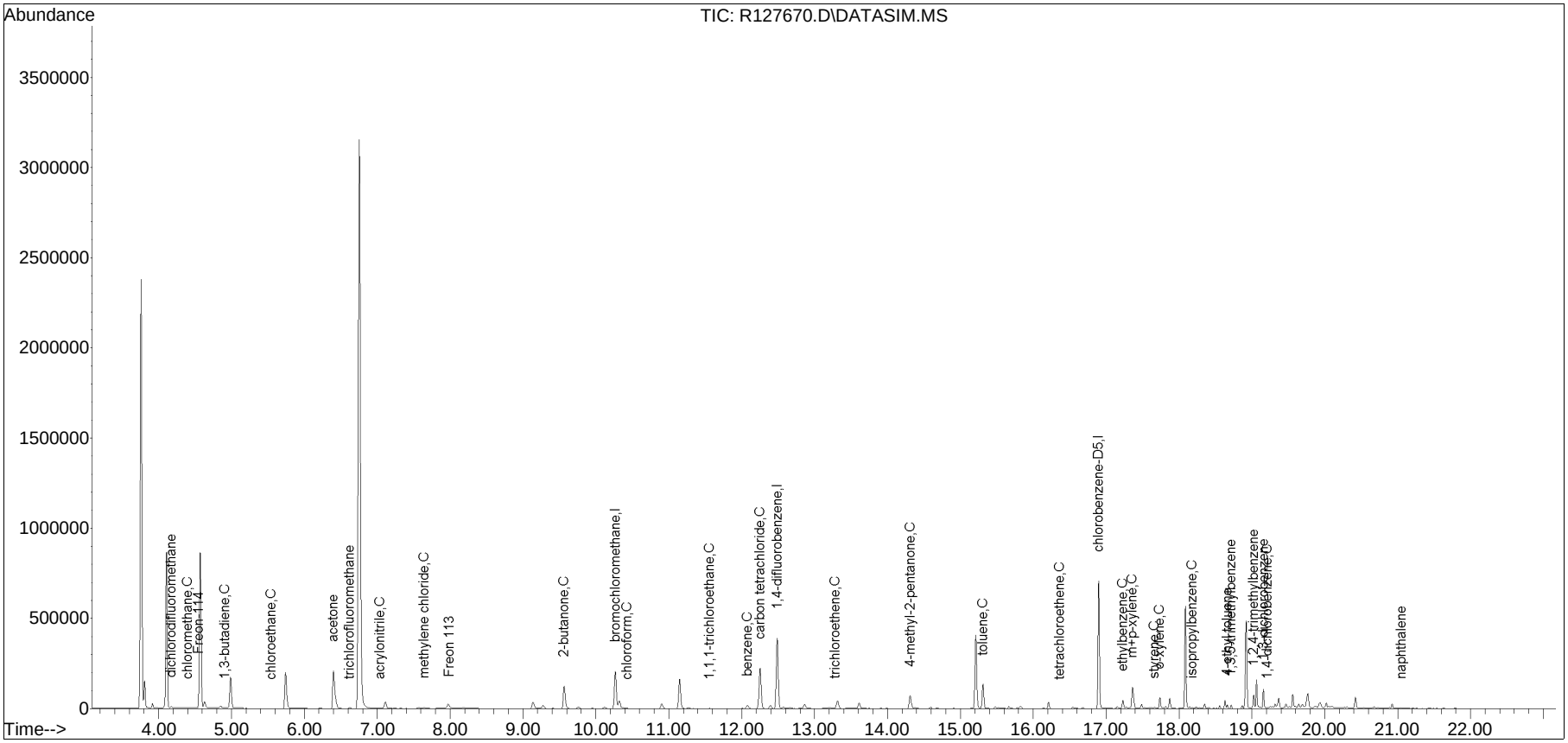
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	119832M4	2.077	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	363	0.012	ppbV	#	63
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	42573	0.576	ppbV		100
59) m+p-xylene	17.36	91	105832	1.842	ppbV		100
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	2451	0.055	ppbV		94
62) 1,1,2,2-tetrachloroethane	17.73		0	N.D.			
63) o-xylene	17.74	91	44588	0.745	ppbV		99
65) isopropylbenzene	18.18	105	4277	0.049	ppbV		98
66) 4-ethyl toluene	18.66	105	16595	0.191	ppbV		99
67) 1,3,5-trimethylbenzene	18.71	105	15017	0.210	ppbV		99
69) 1,2,4-trimethylbenzene	19.03	105	46419	0.649	ppbV	#	52
71) 1,3-dichlorobenzene	19.16	146	72582	1.341	ppbV		96
72) 1,4-dichlorobenzene	19.21	146	1755M3	0.032	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.92		0	N.D.			
78) naphthalene	21.05	128	3768	0.036	ppbV	#	93
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

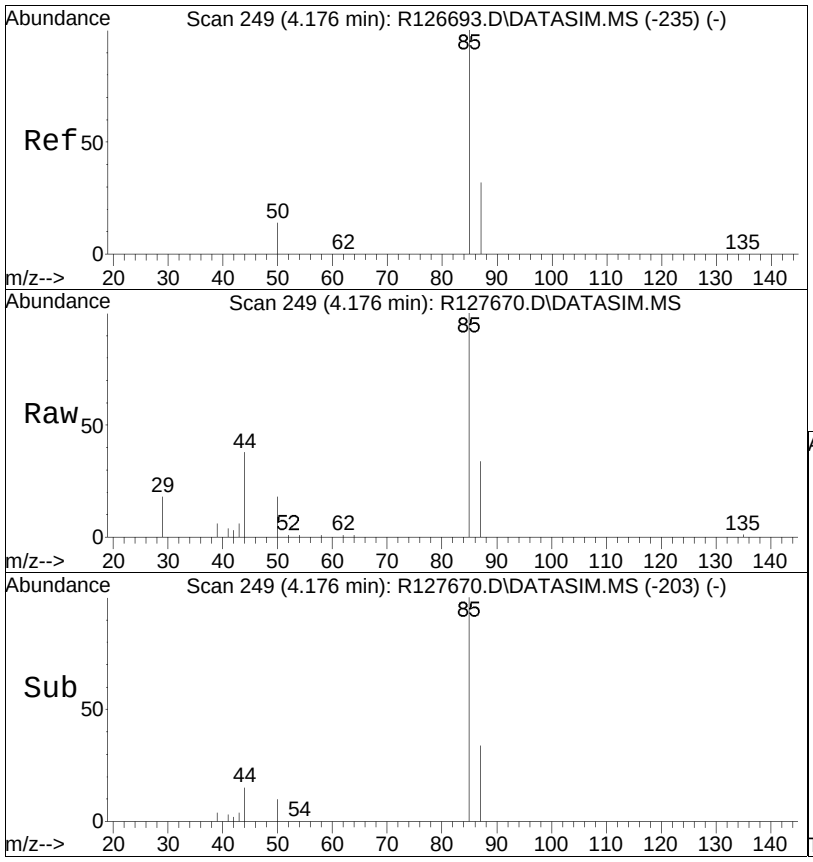
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127670.D
Acq On : 15 Apr 2013 7:14 pm
Operator : AIRPIANO1:MB
Sample : L1306330-08D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 17 11:22:49 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

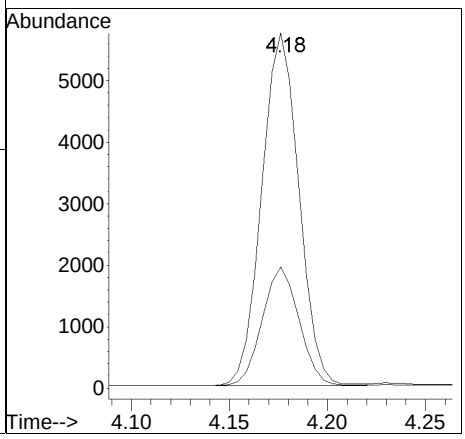


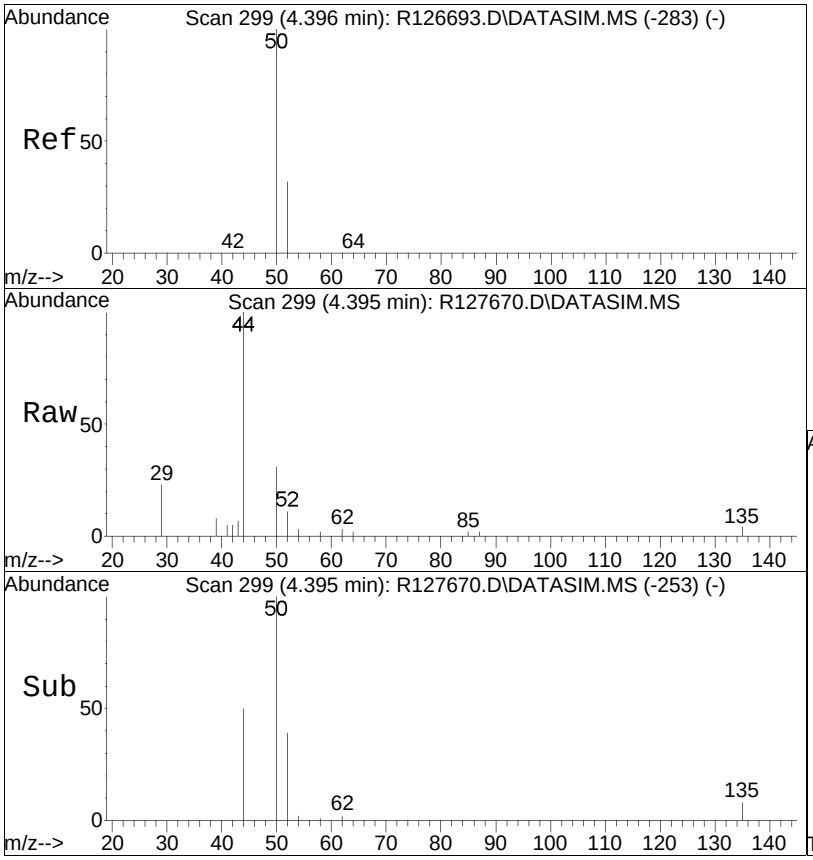


#3
dichlorodifluoromethane
Concen: 0.24 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 85 Resp: 7544

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.6	40.0

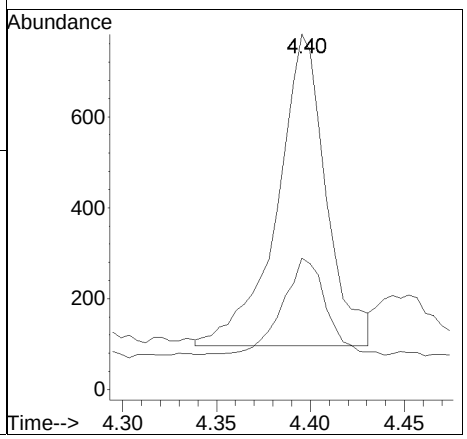


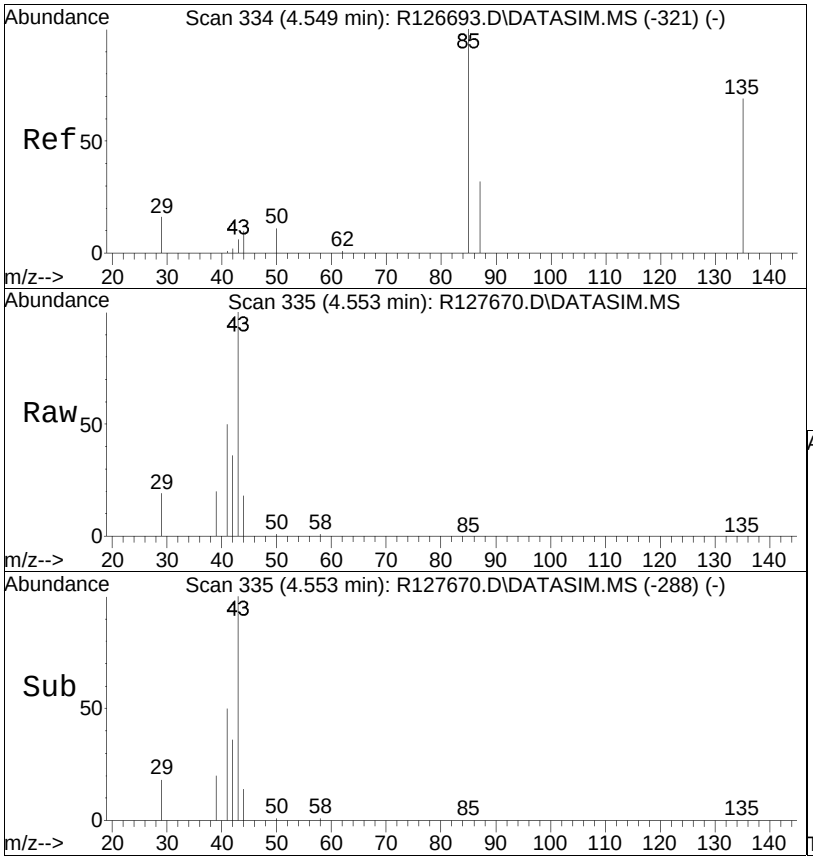


#4
chloromethane
Concen: 0.07 ppbV m
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 50 Resp: 1253

Ion	Ratio	Lower	Upper
50	100		
52	37.0	25.3	37.9

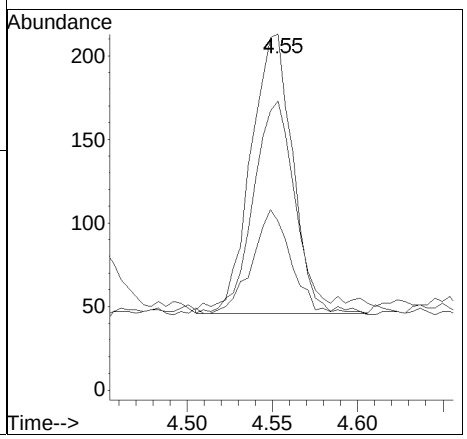


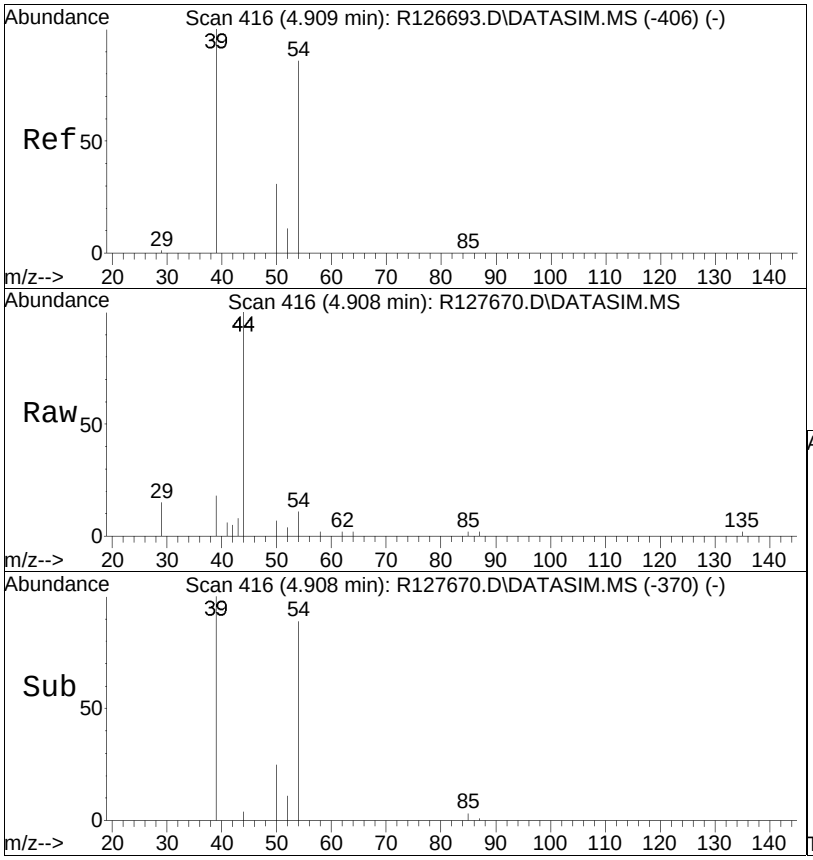


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 335
Delta R.T. 0.004 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 85 Resp: 285

Ion	Ratio	Lower	Upper
85	100		
87	47.4	26.5	39.7#
135	81.2	56.9	85.3

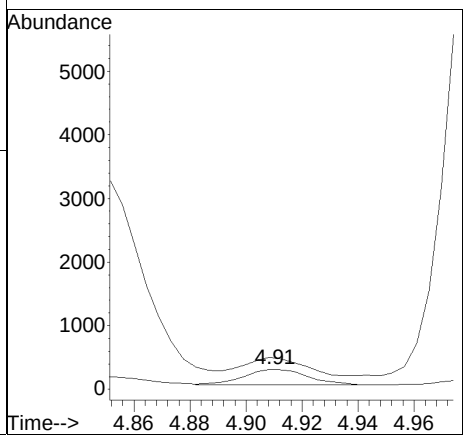


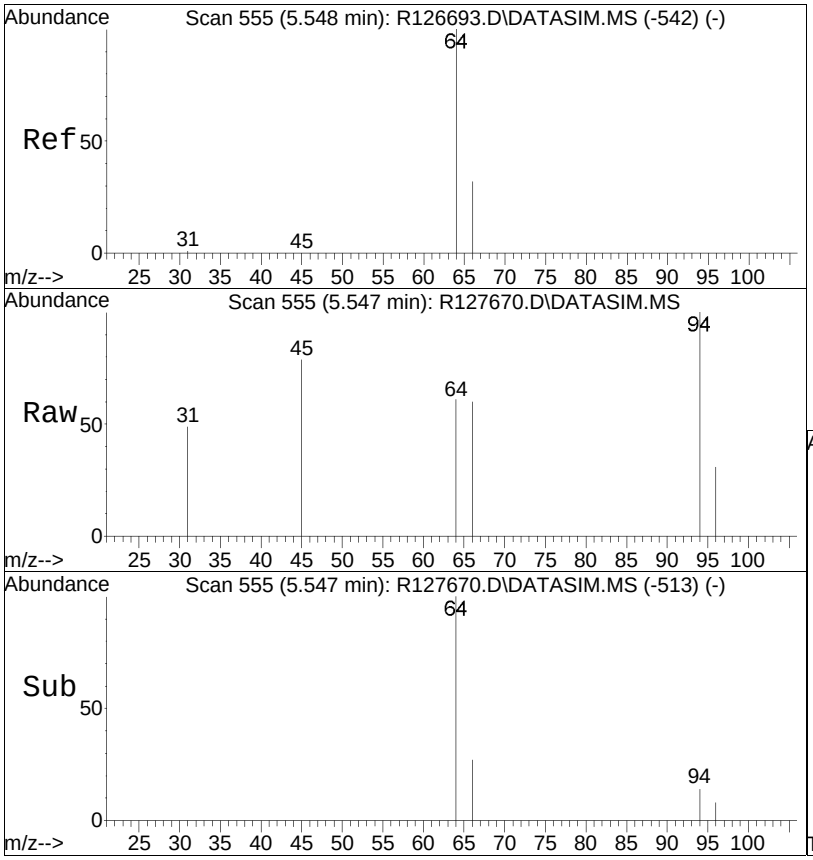


#7
1,3-butadiene
Concen: 0.03 ppbV
RT: 4.91 min Scan# 416
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 54 Resp: 396

Ion	Ratio	Lower	Upper
54	100		
39	161.7	92.4	138.6#

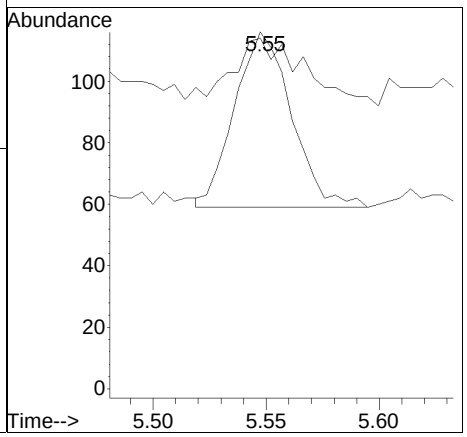


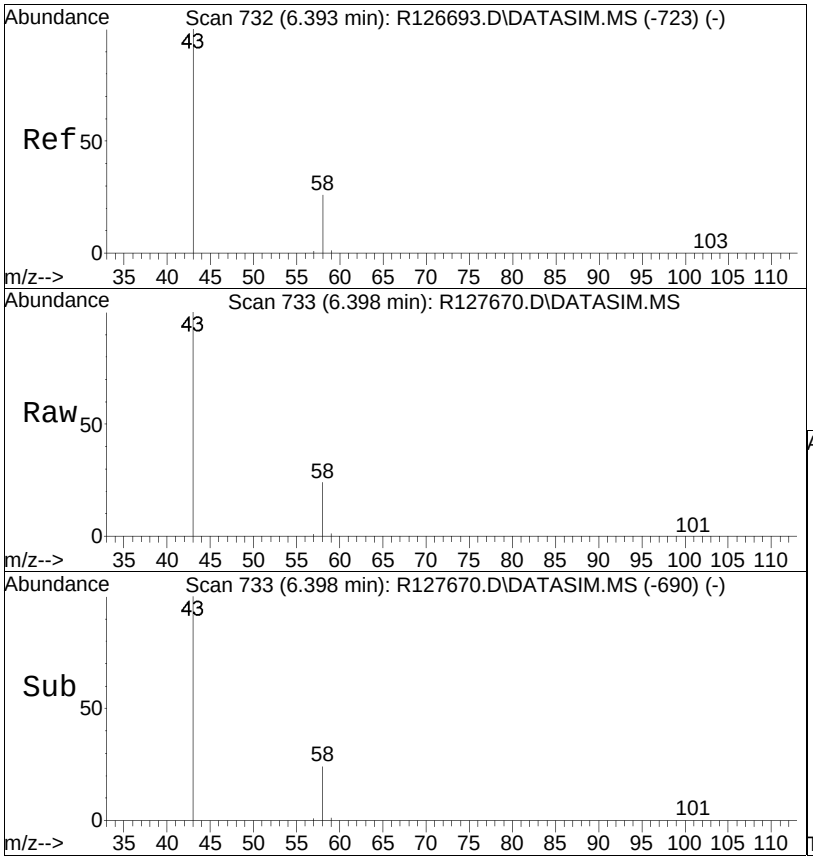


#9
chloroethane
Concen: 0.02 ppbV
RT: 5.55 min Scan# 555
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 64 Resp: 100

Ion	Ratio	Lower	Upper
64	100		
66	98.3	25.5	38.3#

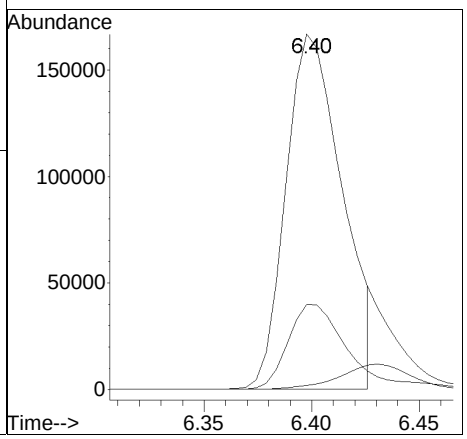


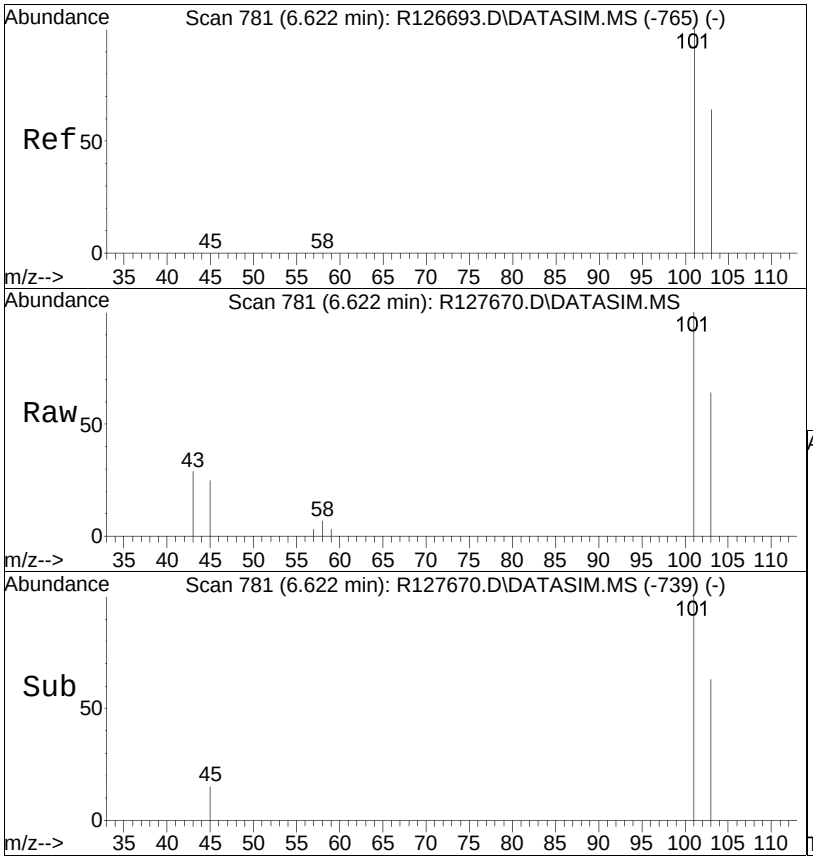


#12
acetone
Concen: 11.33 ppbV m
RT: 6.40 min Scan# 733
Delta R.T. 0.005 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 43 Resp: 303850

Ion	Ratio	Lower	Upper
43	100		
58	23.9	20.0	30.0
57	1.1	0.6	1.0#

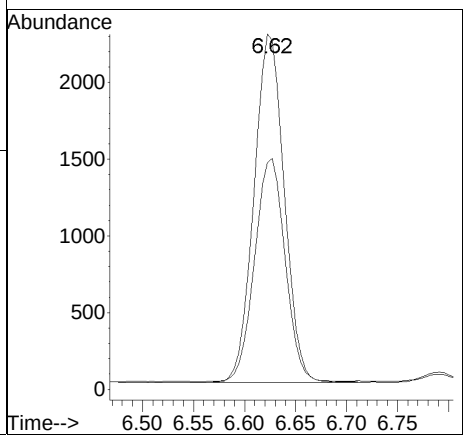


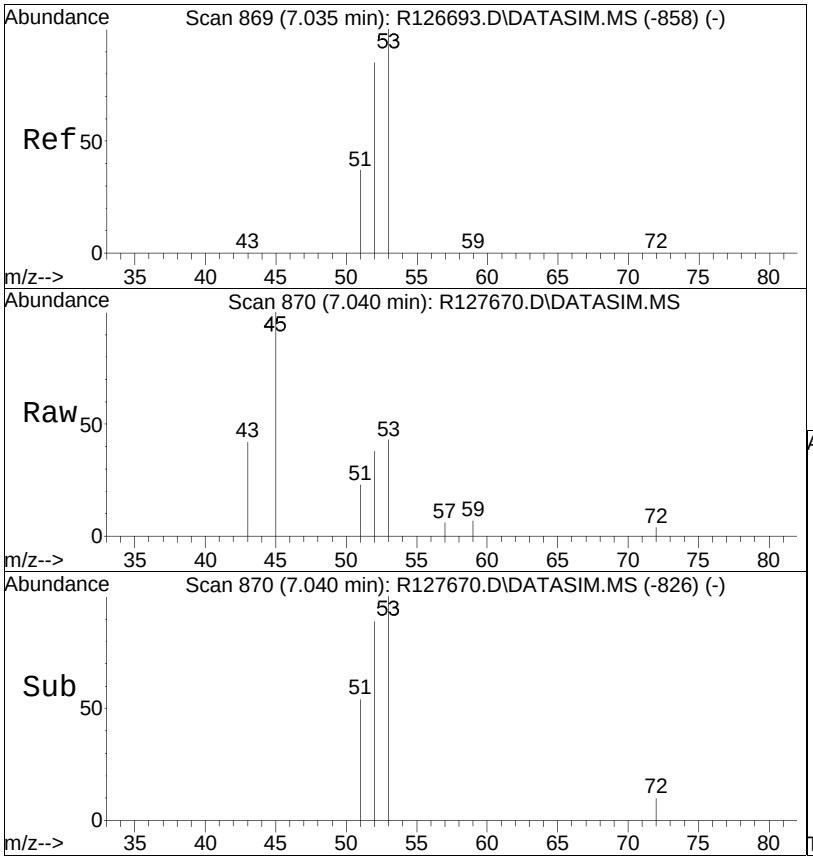


#13
trichlorofluoromethane
Concen: 0.12 ppbV
RT: 6.62 min Scan# 781
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:101 Resp: 4691

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

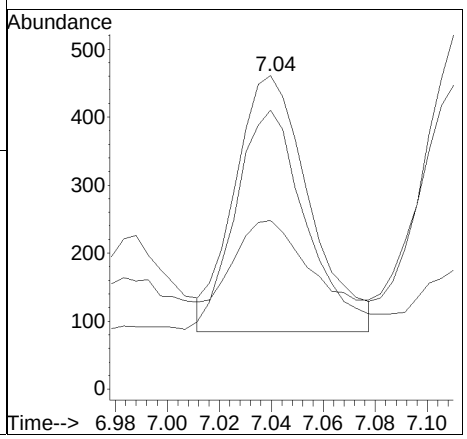


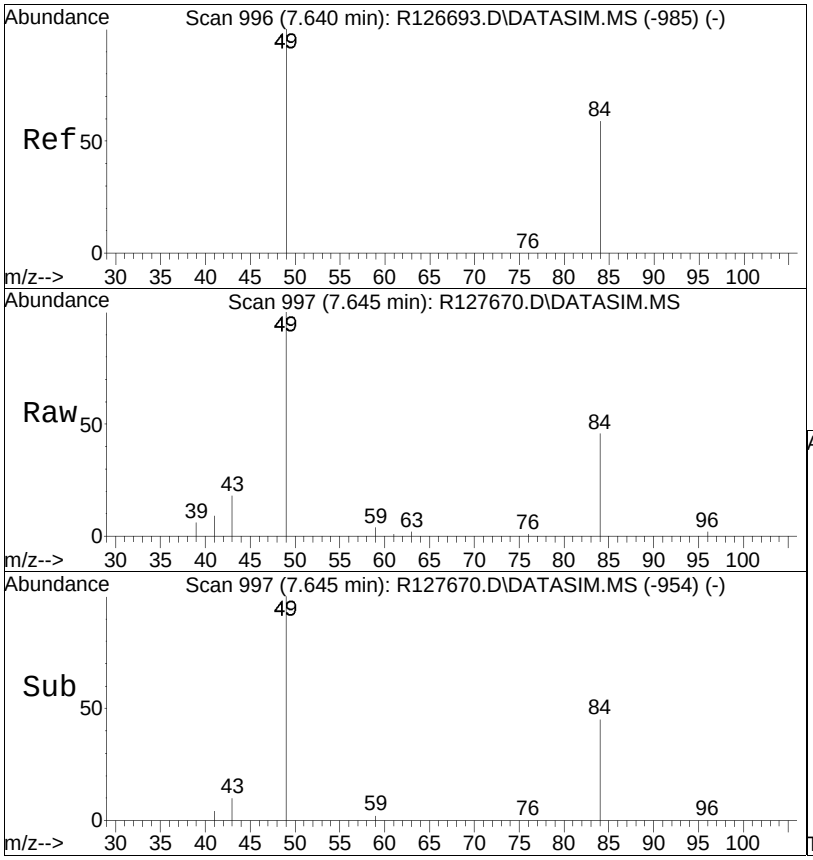


#15
acrylonitrile
Concen: 0.06 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 53 Resp: 751

Ion	Ratio	Lower	Upper
53	100		
52	88.9	68.5	102.7
51	53.8	30.1	45.1#

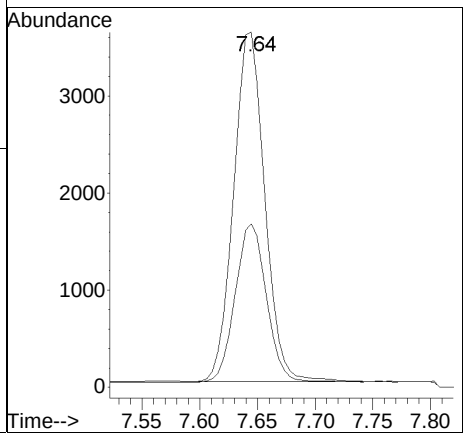


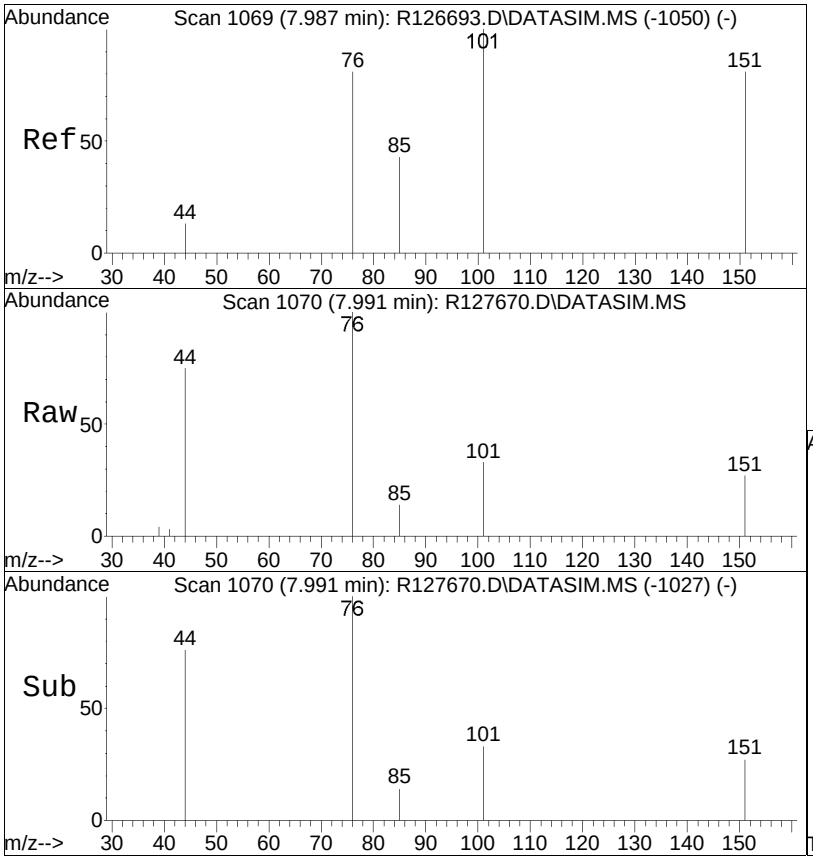


#17
methylene chloride
Concen: 0.30 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 49 Resp: 6741

Ion	Ratio	Lower	Upper
49	100		
84	46.0	37.2	55.8

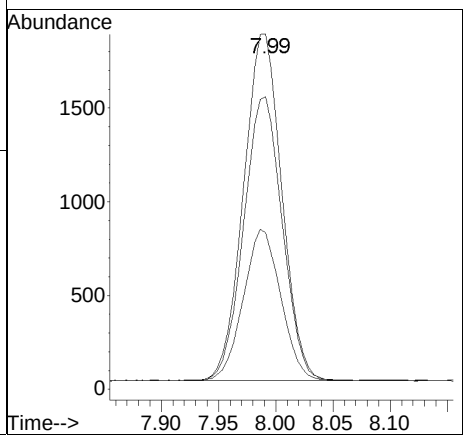


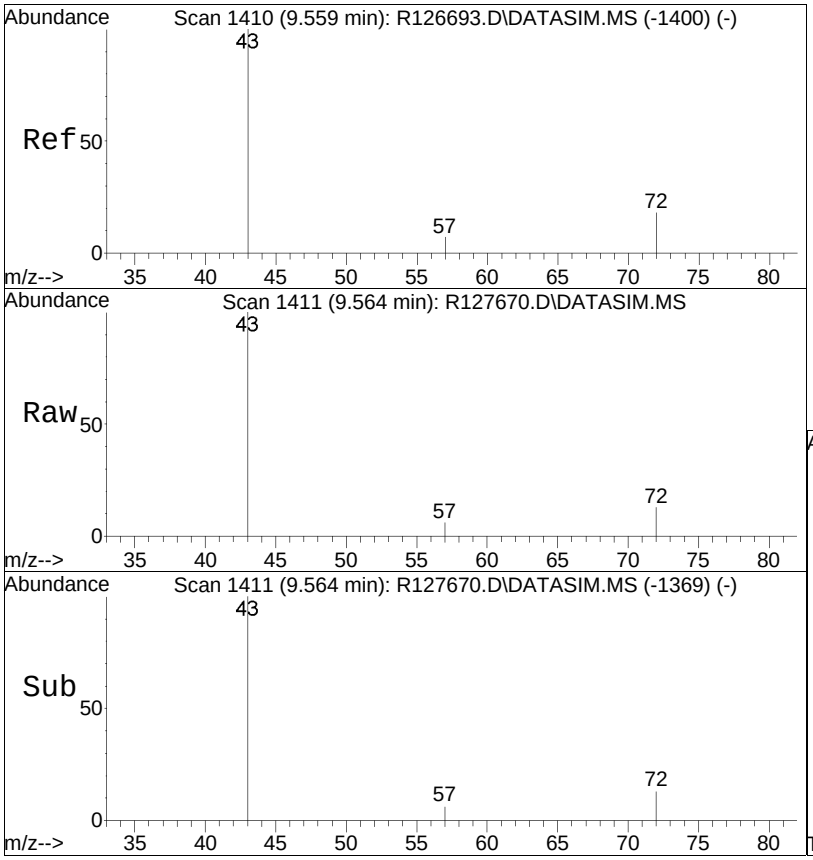


#20
Freon 113
Concen: 0.16 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:101 Resp: 4303

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.2	51.2
151	82.4	67.8	101.8

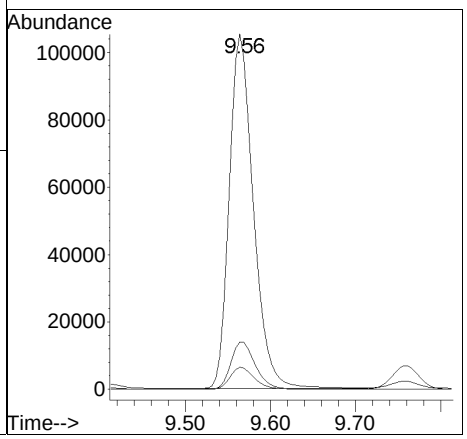


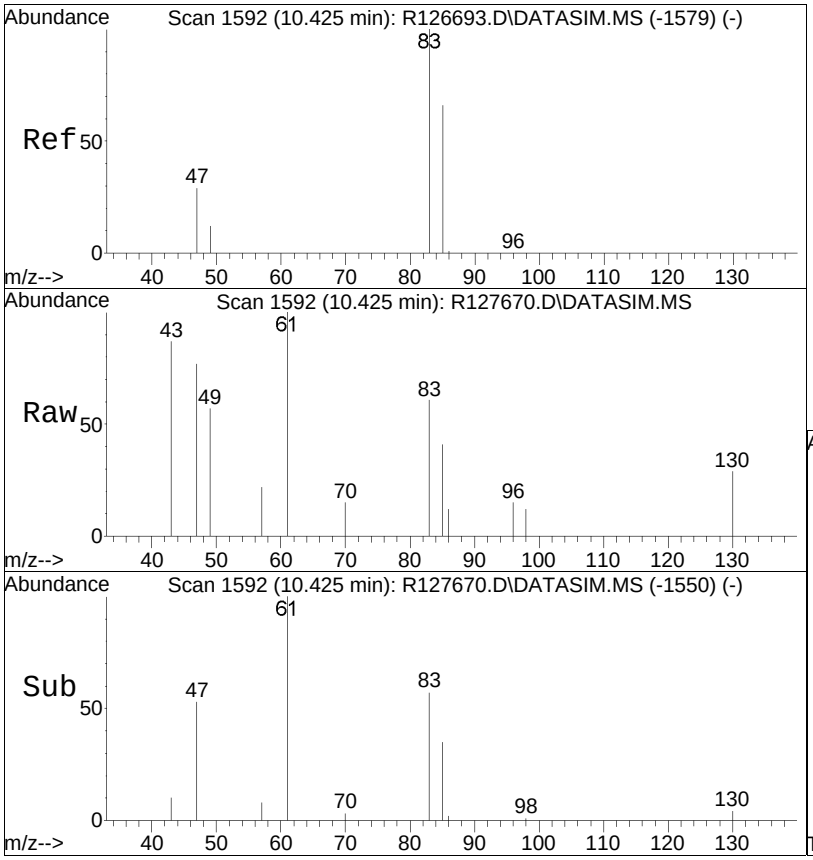


#26
2-butanone
Concen: 4.93 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 43 Resp: 207244

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	6.2	5.2	7.8

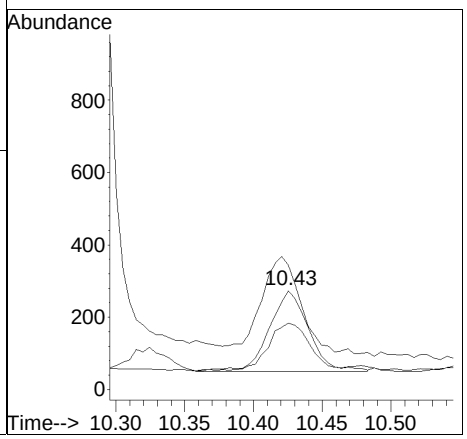




#29
chloroform
Concen: 0.02 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 83 Resp: 441

Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.2	78.2
47	126.0	26.4	39.6#



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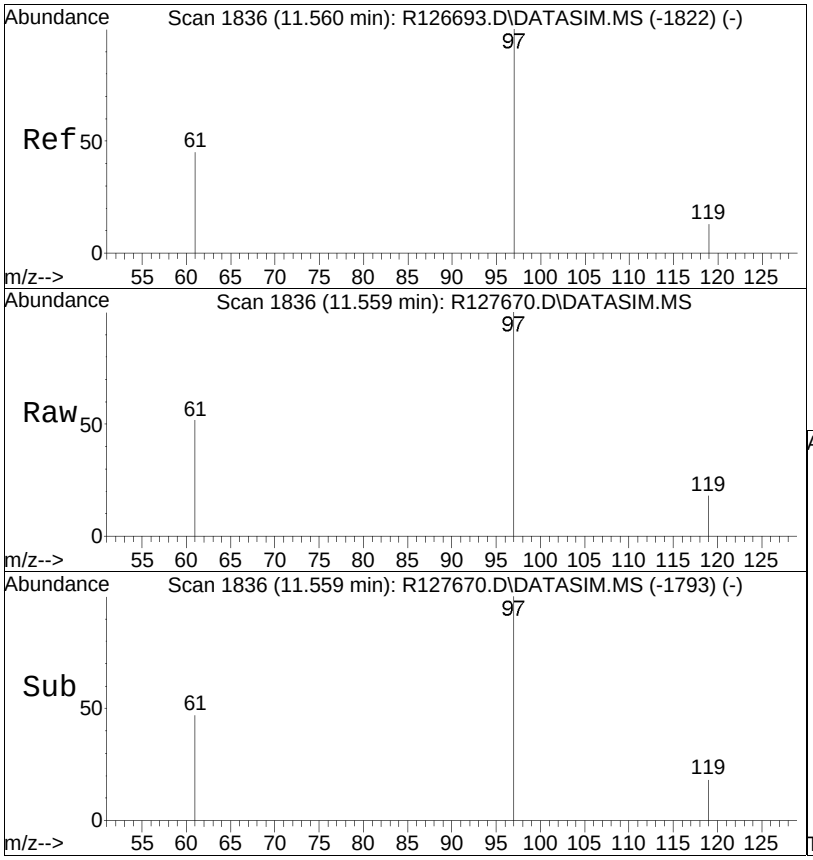
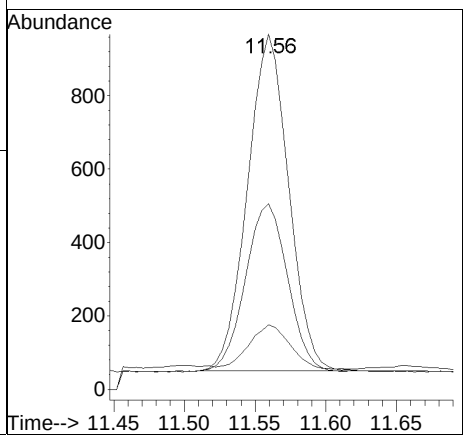
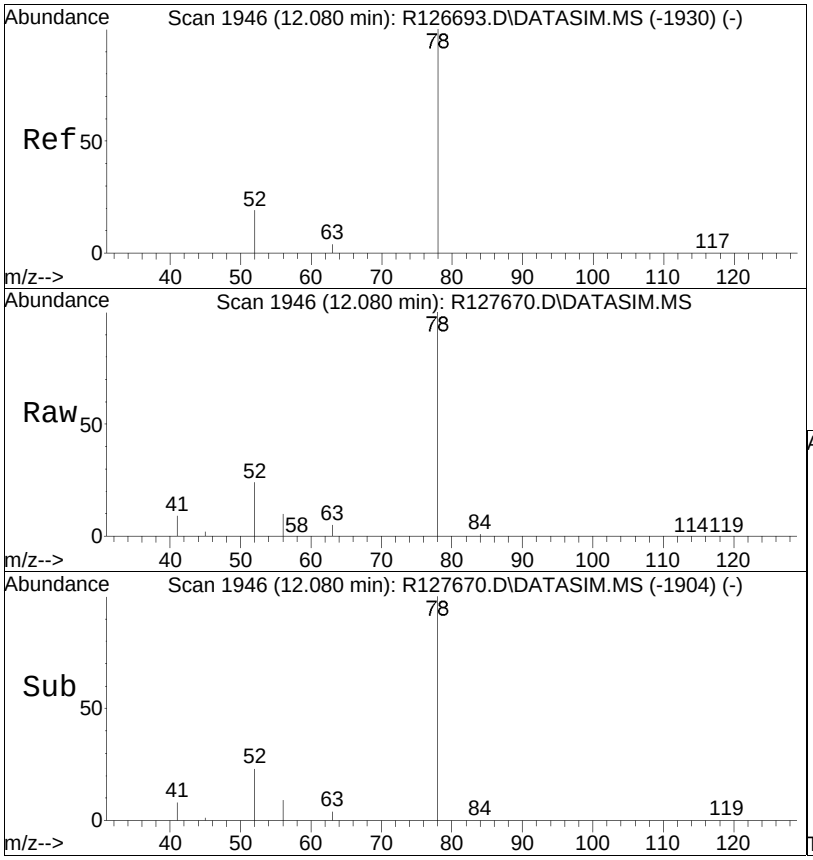


#35
1,1,1-trichloroethane
Concen: 0.06 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 97 Resp: 1860

Ion	Ratio	Lower	Upper
97	100		
61	52.3	38.6	58.0
119	18.2	11.0	16.6#

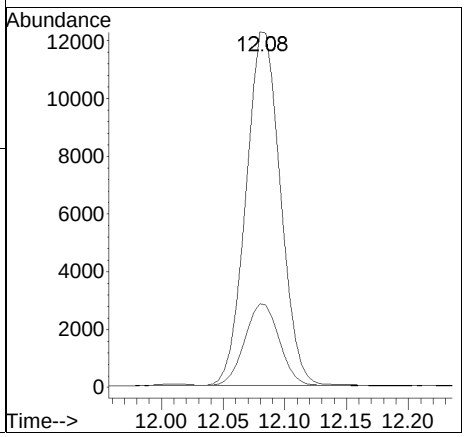


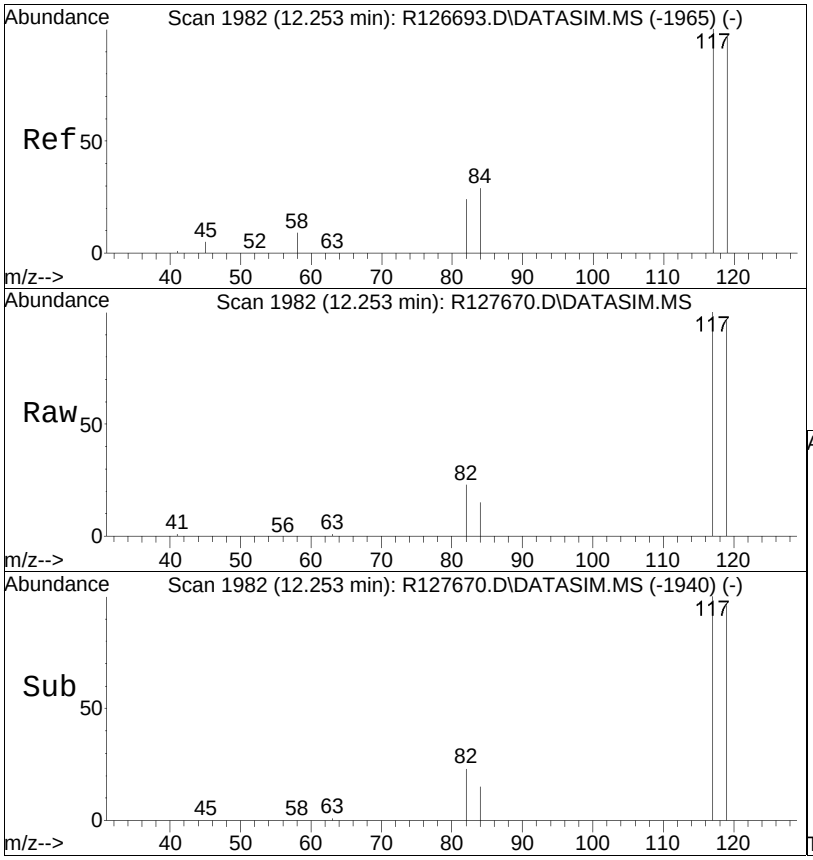


#36
benzene
Concen: 0.52 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 78 Resp: 23772

Ion	Ratio	Lower	Upper
78	100		
52	23.6	18.5	27.7

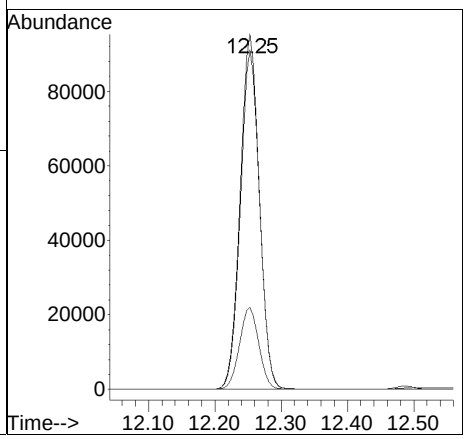


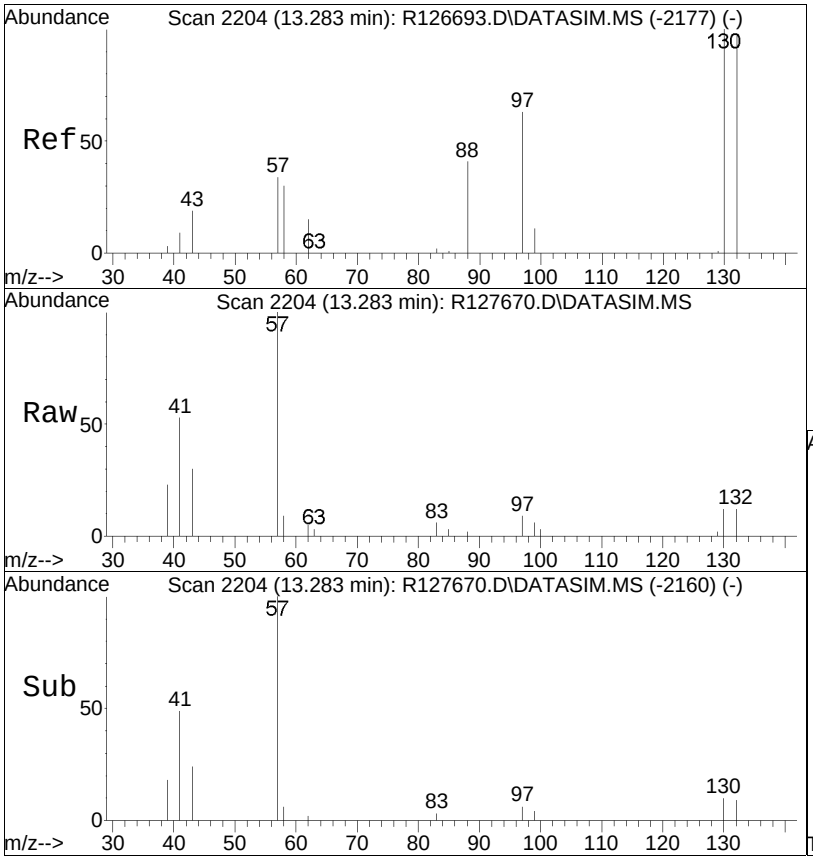


#37
carbon tetrachloride
Concen: 5.61 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:117 Resp: 191399

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
82	23.1	18.2	27.2

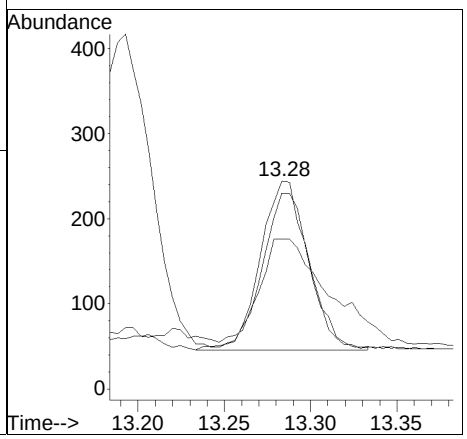


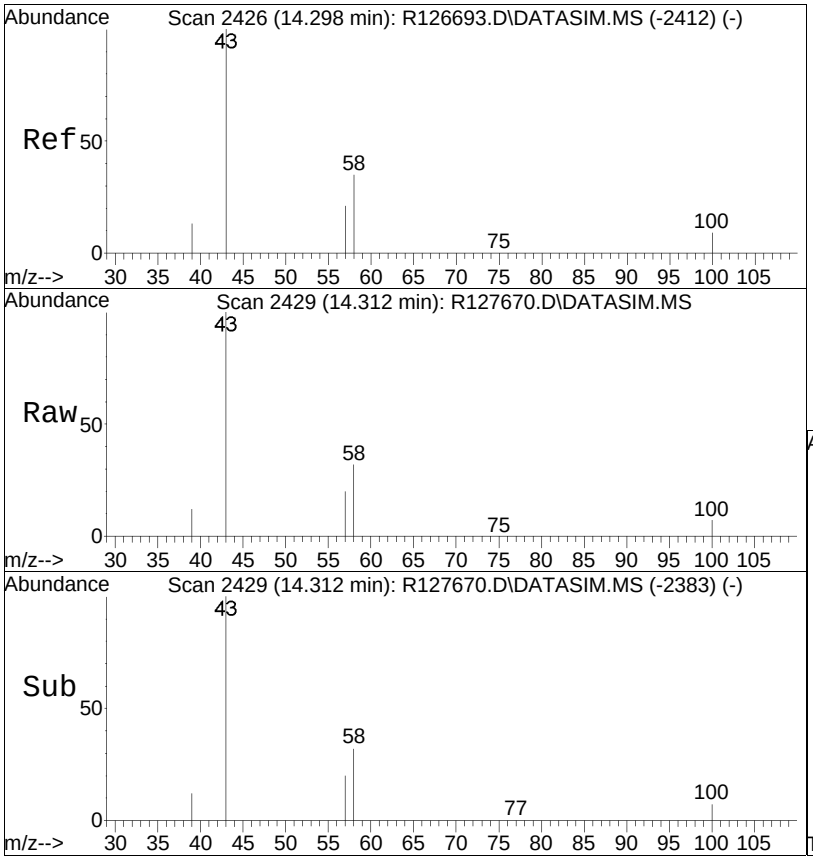


#42
trichloroethene
Concen: 0.02 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:130 Resp: 379

Ion	Ratio	Lower	Upper
130	100		
132	94.3	77.3	115.9
97	72.1	50.6	75.8

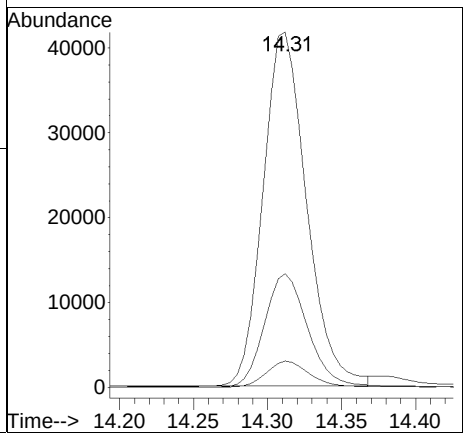


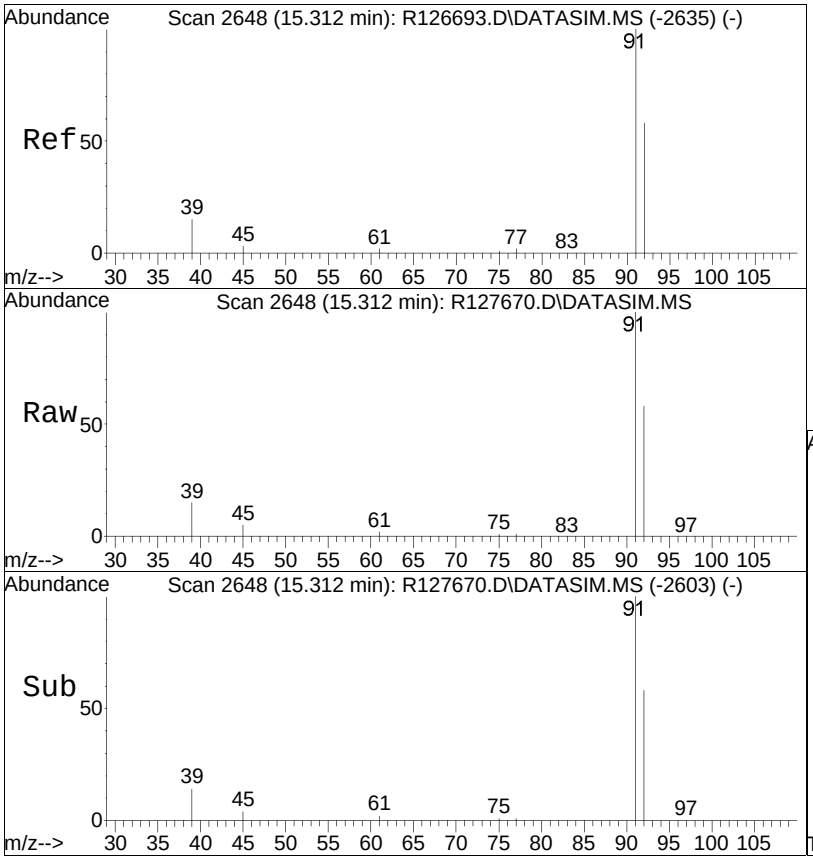


#46
4-methyl-2-pentanone
Concen: 1.63 ppbV
RT: 14.31 min Scan# 2429
Delta R.T. 0.013 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 43 Resp: 85171

Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.0	39.0
100	7.4	5.8	8.6

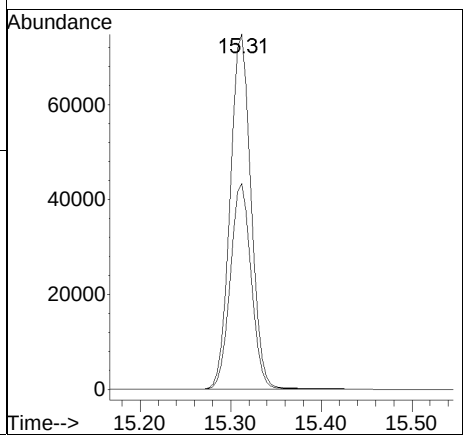


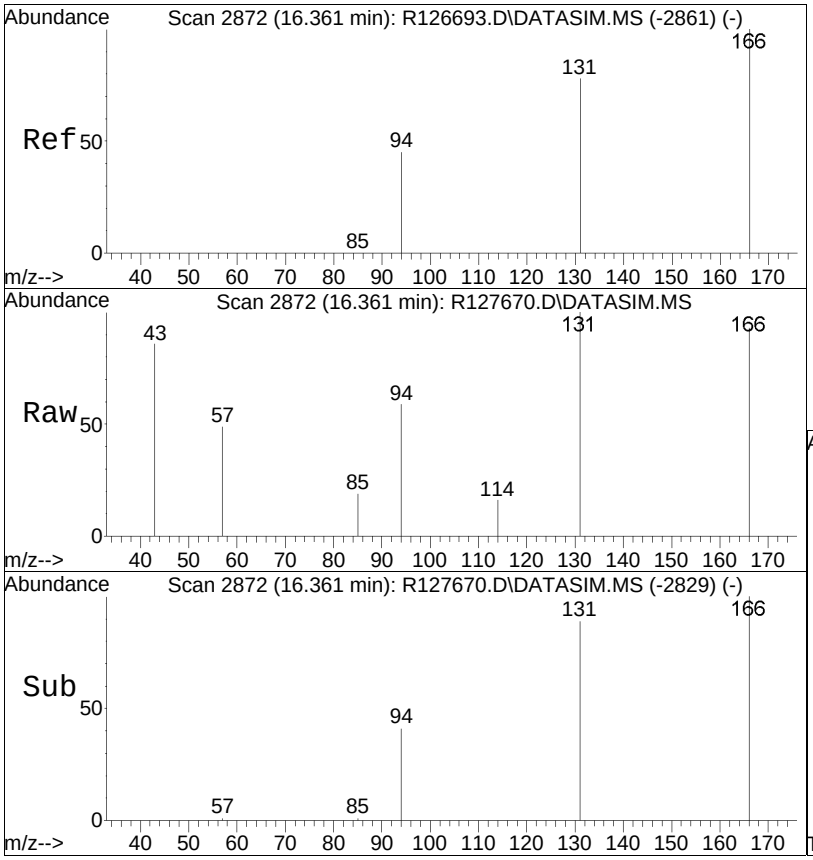


#50
toluene
Concen: 2.08 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 91 Resp: 119832

Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.4	69.6

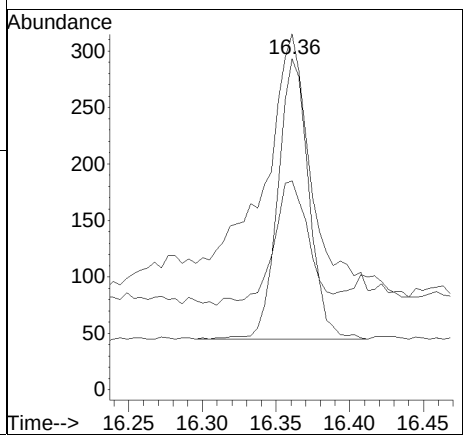


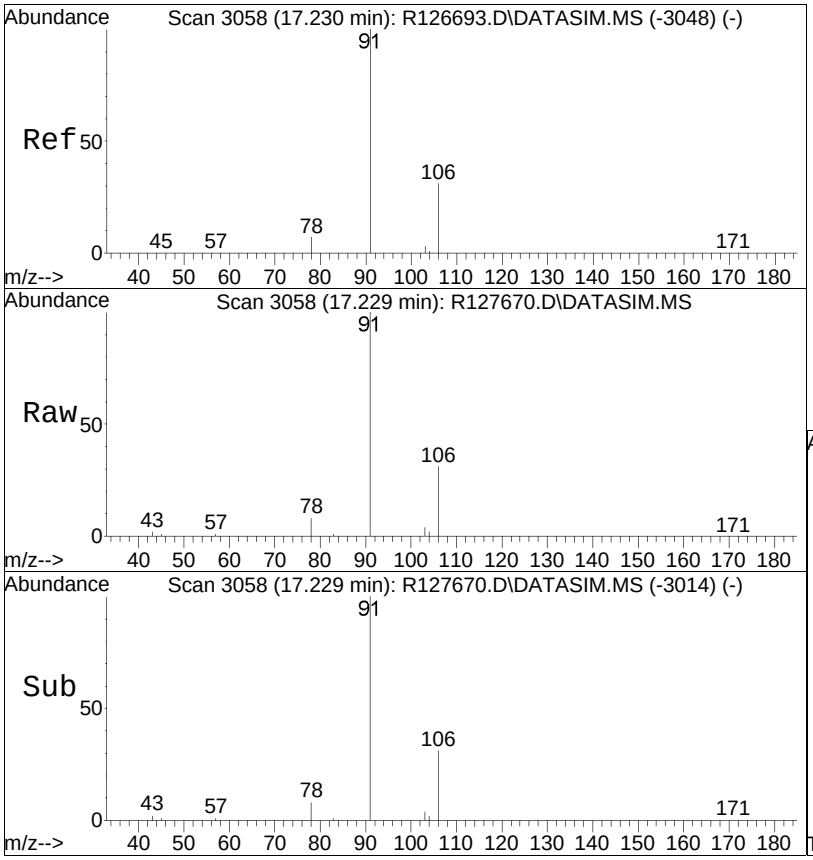


#55
tetrachloroethene
Concen: 0.01 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:166 Resp: 363

Ion	Ratio	Lower	Upper
166	100		
131	107.5	60.6	90.8#
94	63.1	32.2	48.2#

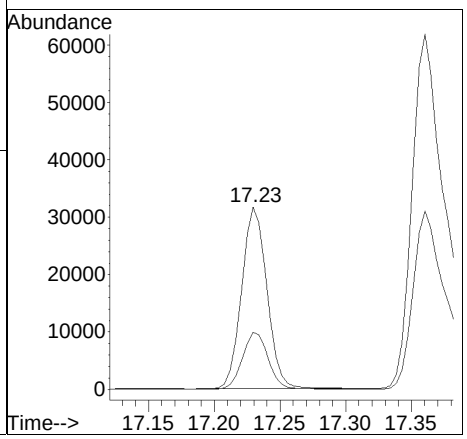


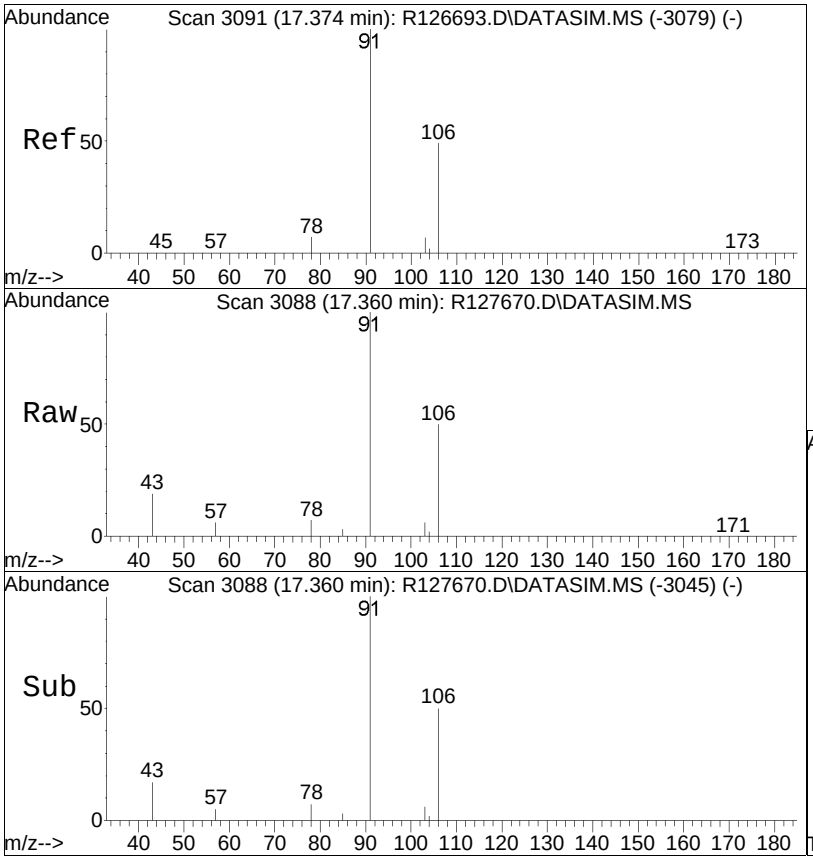


#58
ethylbenzene
Concen: 0.58 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 91 Resp: 42573

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.3	37.9

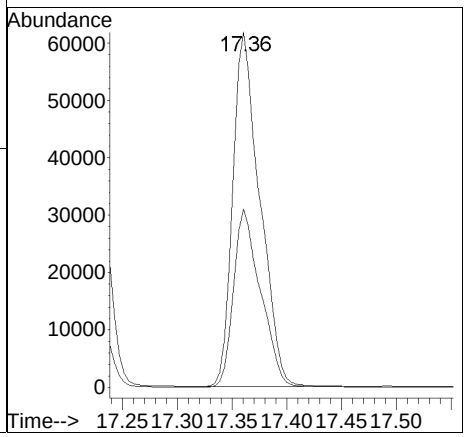


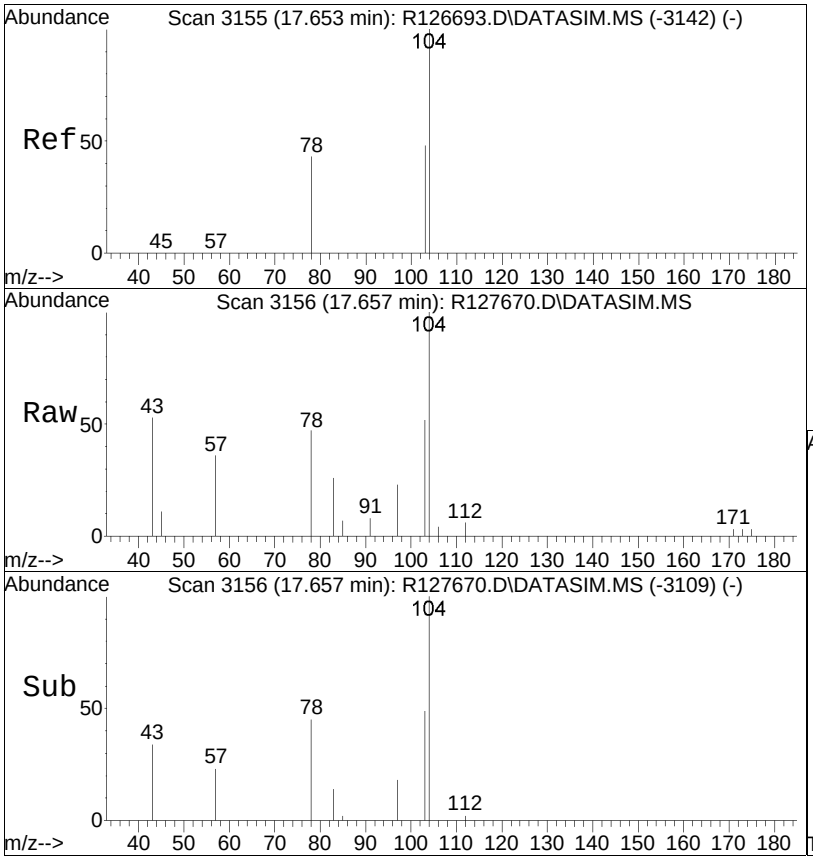


#59
m+p-xylene
Concen: 1.84 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.014 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 91 Resp: 105832

Ion	Ratio	Lower	Upper
91	100		
106	50.2	40.0	60.0

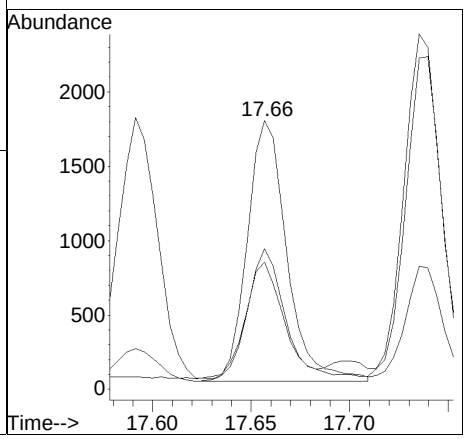


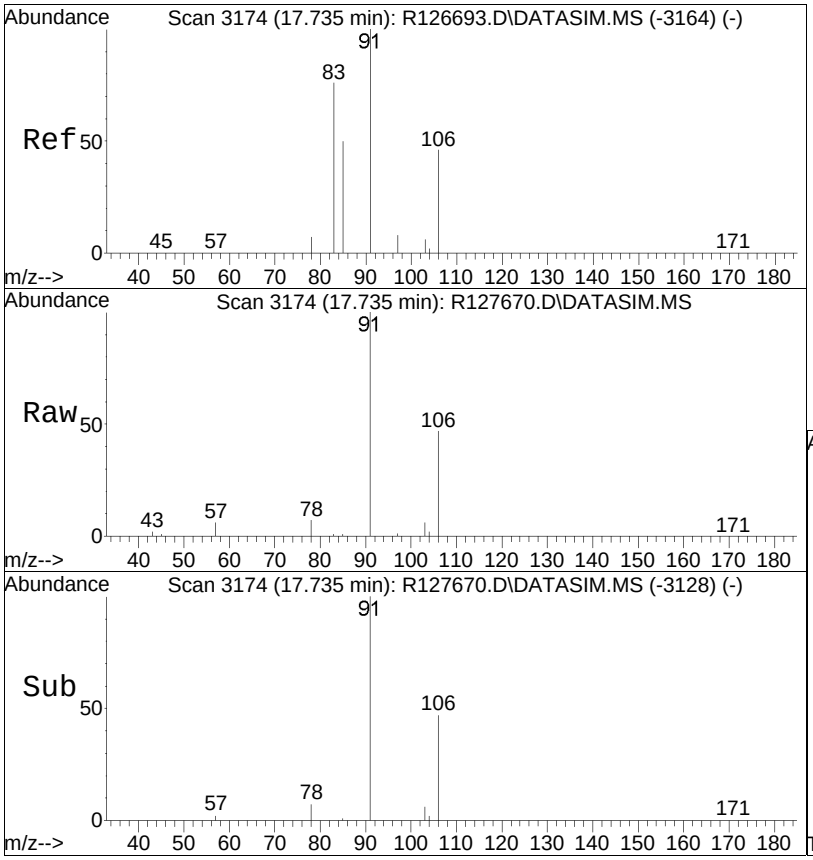


#61
styrene
Concen: 0.06 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:104 Resp: 2451

Ion	Ratio	Lower	Upper
104	100		
103	52.4	38.3	57.5
78	47.4	35.0	52.6

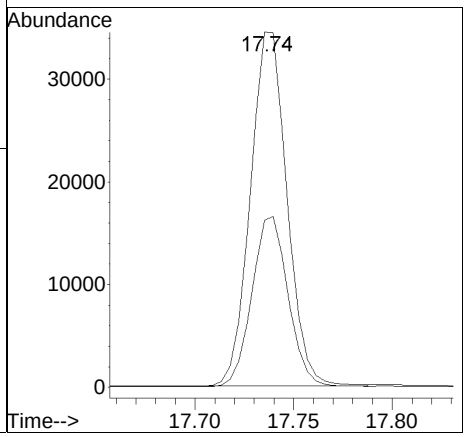


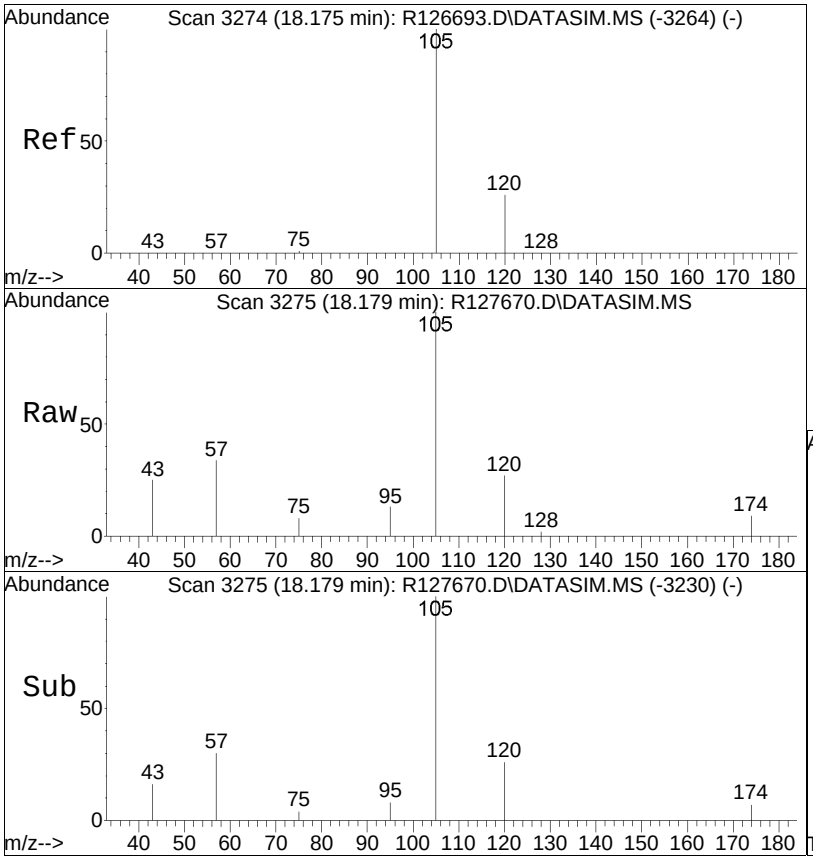


#63
o-xylene
Concen: 0.74 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion: 91 Resp: 44588

Ion	Ratio	Lower	Upper
91	100		
106	47.1	37.1	55.7

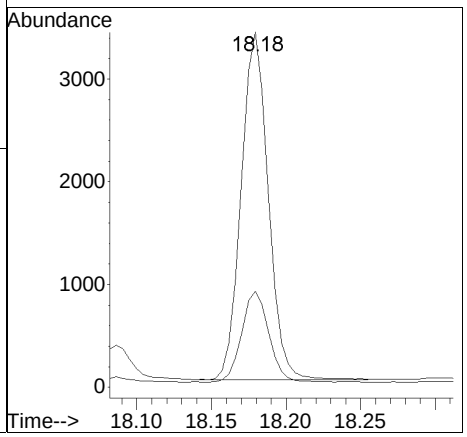


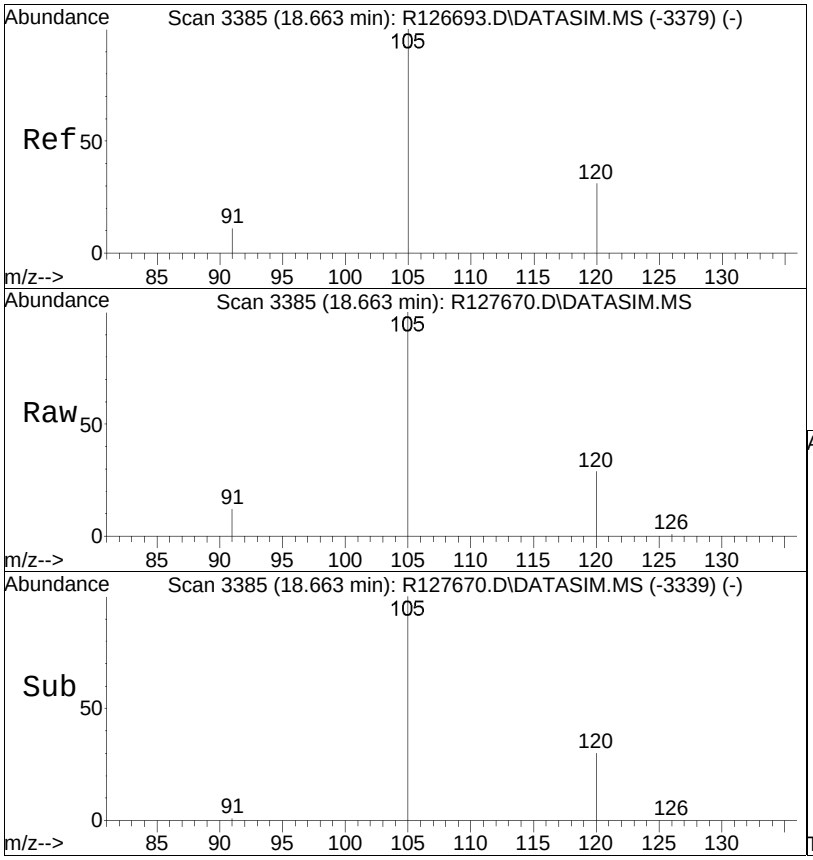


#65
isopropylbenzene
Concen: 0.05 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:105 Resp: 4277

Ion	Ratio	Lower	Upper
105	100		
120	27.0	20.7	31.1

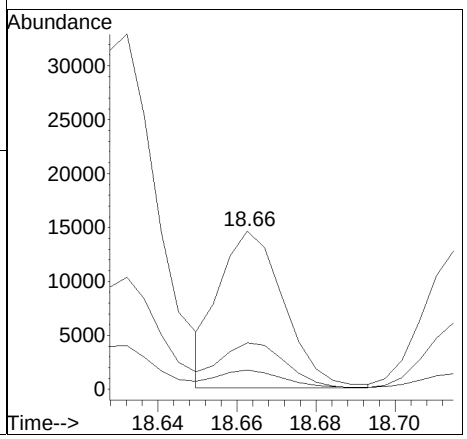


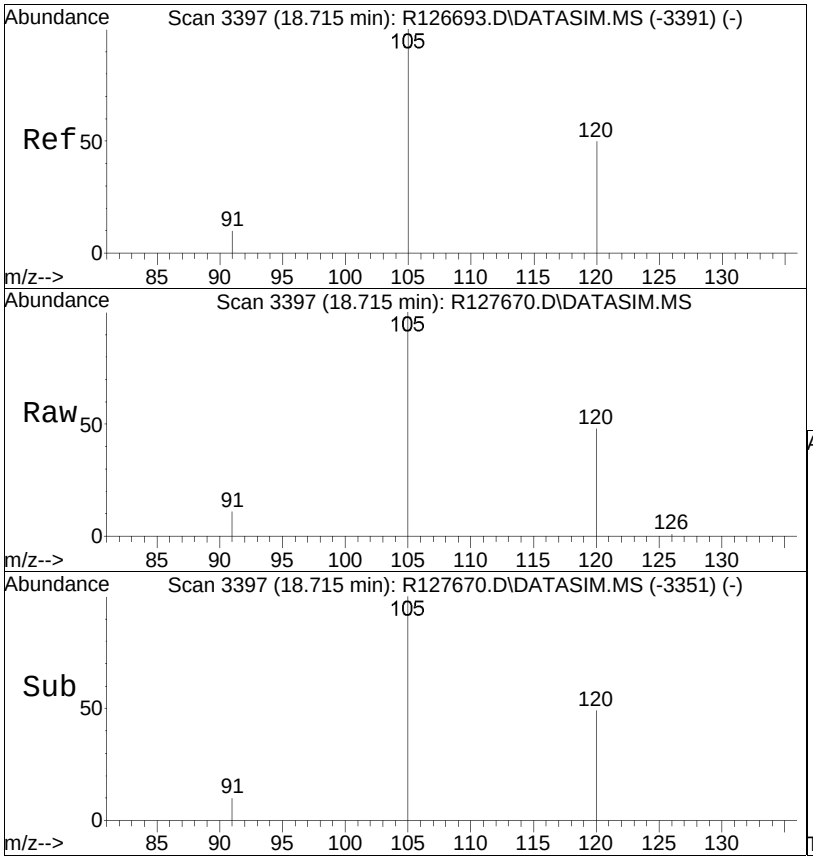


#66
4-ethyl toluene
Concen: 0.19 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:105 Resp: 16595

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.7	35.5
91	12.3	8.5	12.7

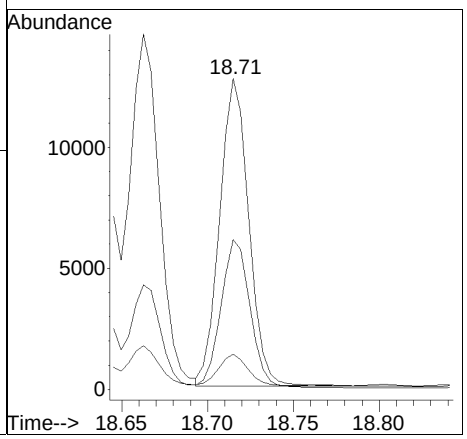


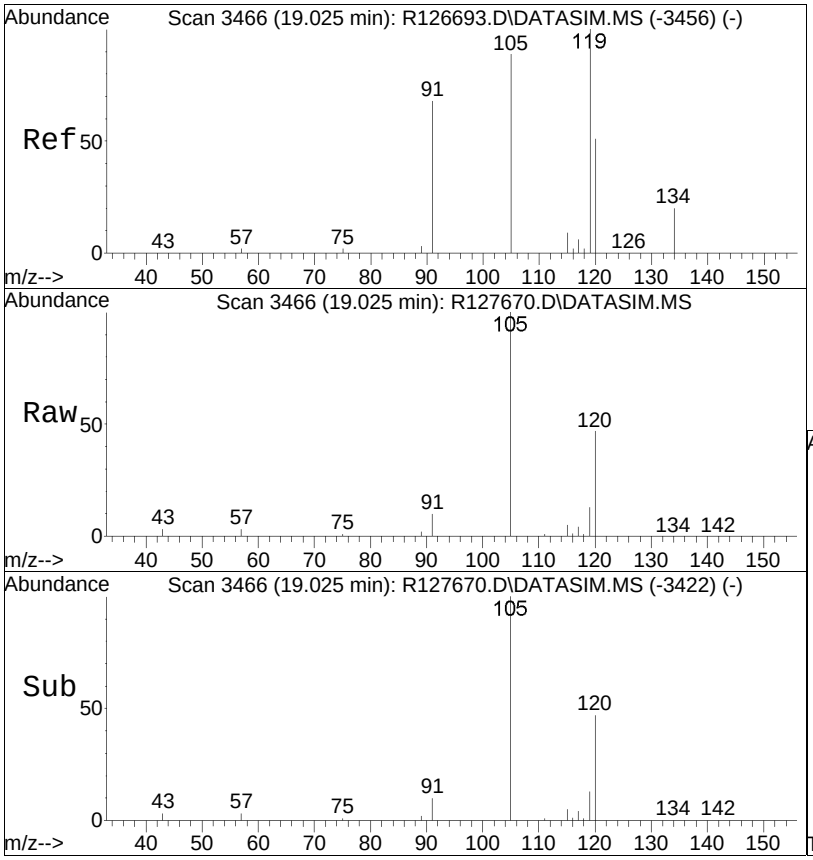


#67
1,3,5-trimethylbenzene
Concen: 0.21 ppbV
RT: 18.71 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:105 Resp: 15017

Ion	Ratio	Lower	Upper
105	100		
120	48.2	39.0	58.4
91	11.4	8.0	12.0

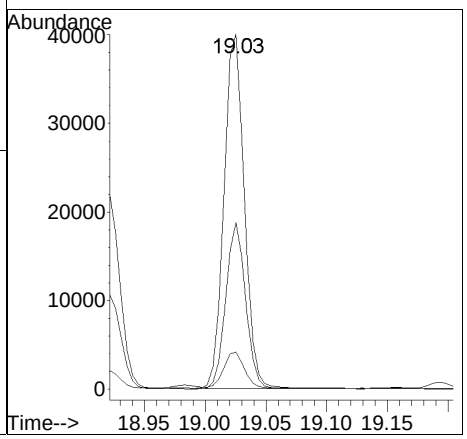


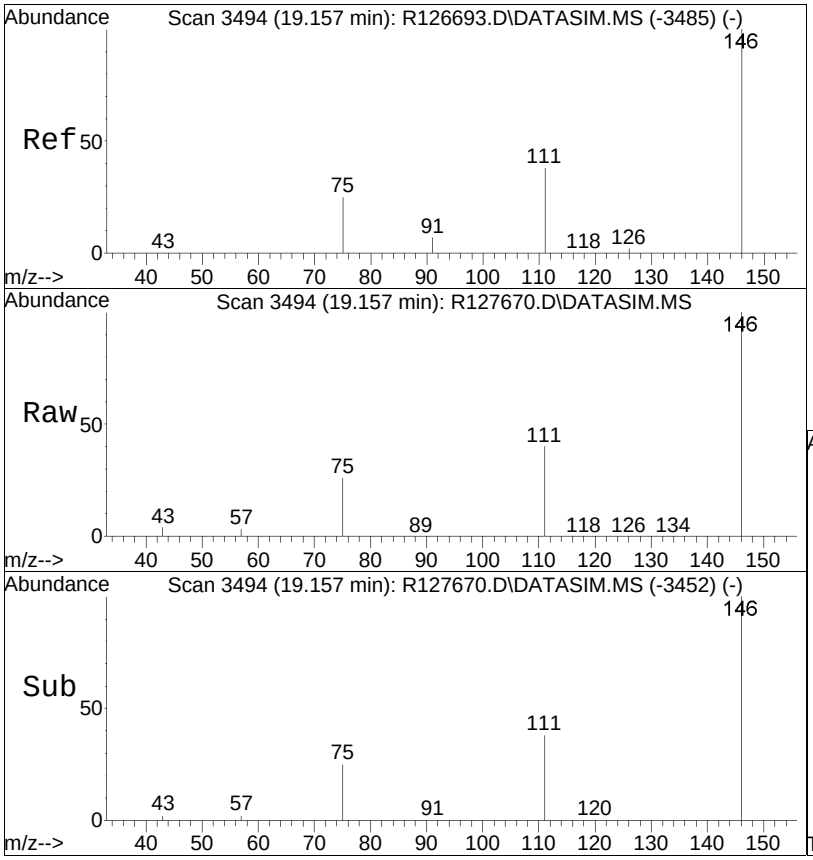


#69
1,2,4-trimethylbenzene
Concen: 0.65 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:105 Resp: 46419

Ion	Ratio	Lower	Upper
105	100		
120	47.0	44.9	67.3
91	10.5	58.6	88.0#

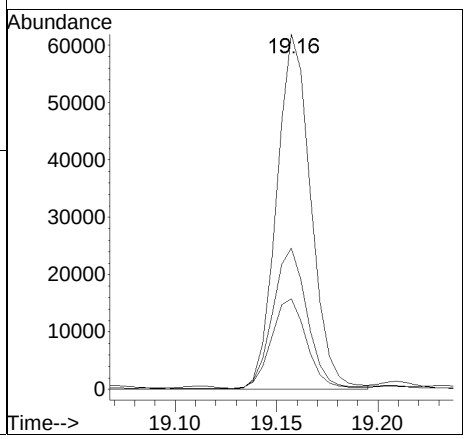


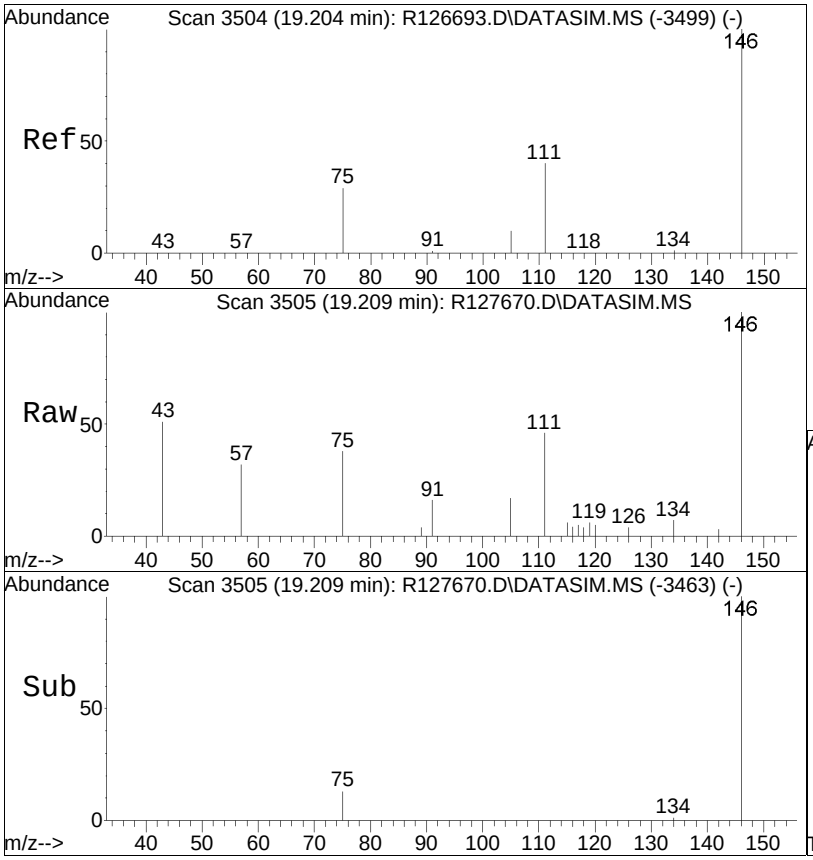


#71
1,3-dichlorobenzene
Concen: 1.34 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:146 Resp: 72582

Ion	Ratio	Lower	Upper
146	100		
111	39.8	29.5	44.3
75	25.5	19.5	29.3

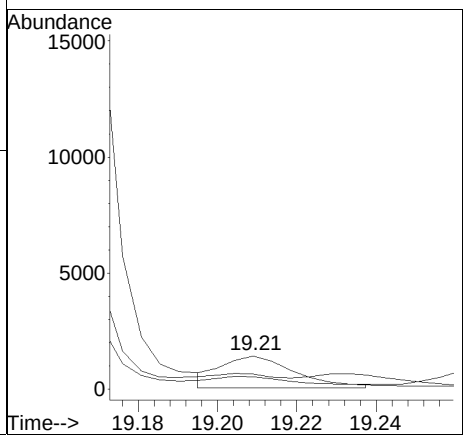


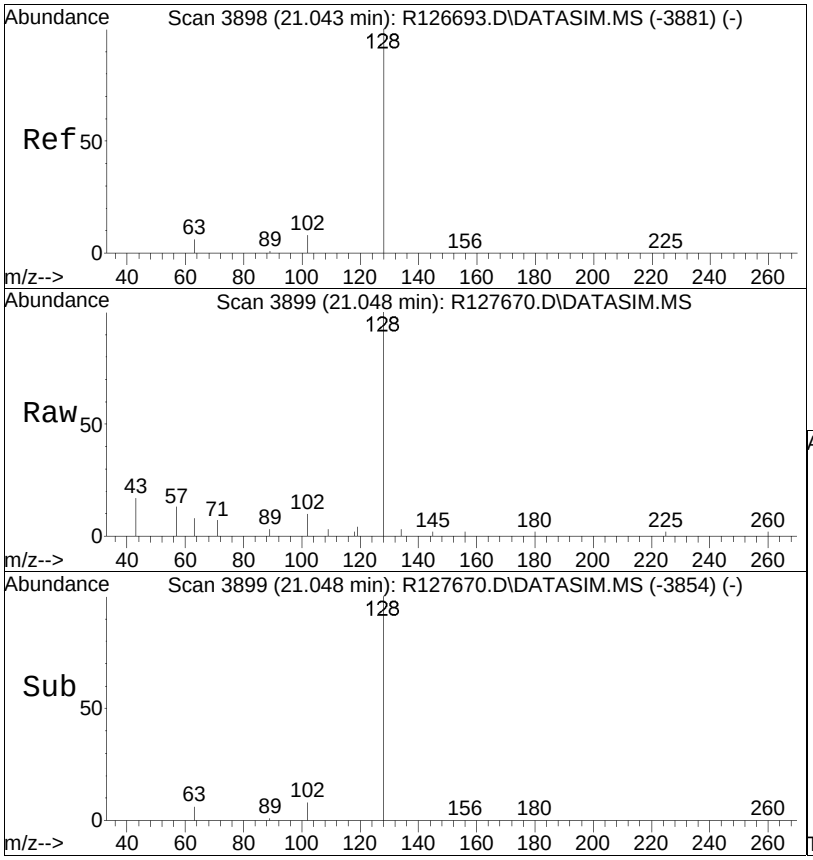


#72
1,4-dichlorobenzene
Concen: 0.03 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. -0.000 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:146 Resp: 1755

Ion	Ratio	Lower	Upper
146	100		
111	46.1	26.4	39.6#
75	37.9	18.0	27.0#

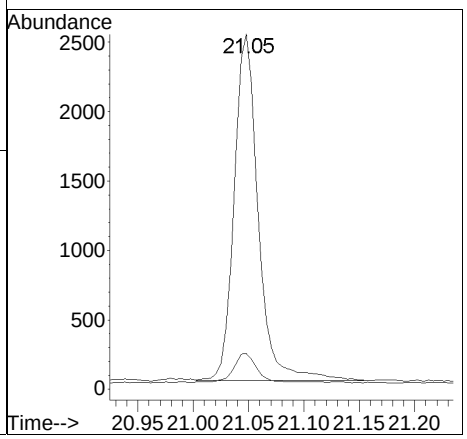




#78
naphthalene
Concen: 0.04 ppbV
RT: 21.05 min Scan# 3899
Delta R.T. 0.004 min
Lab File: R127670.D
Acq: 15 Apr 2013 7:14 pm

Tgt Ion:128 Resp: 3768

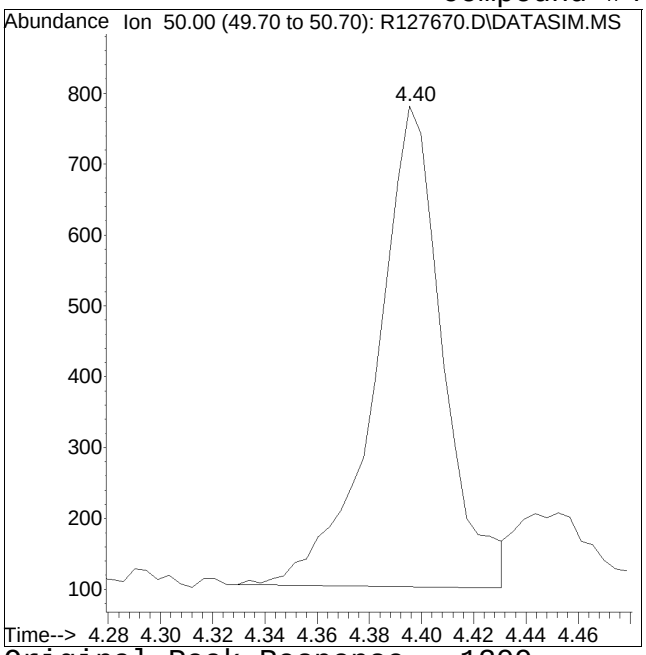
Ion	Ratio	Lower	Upper
128	100		
102	10.1	6.2	9.2#



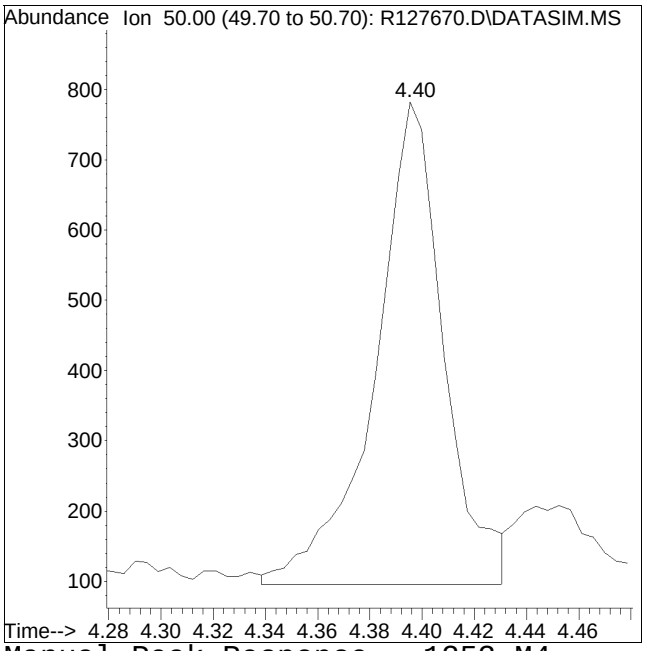
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250
Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #4: chloromethane



Original Peak Response = 1209



Manual Peak Response = 1253 M4

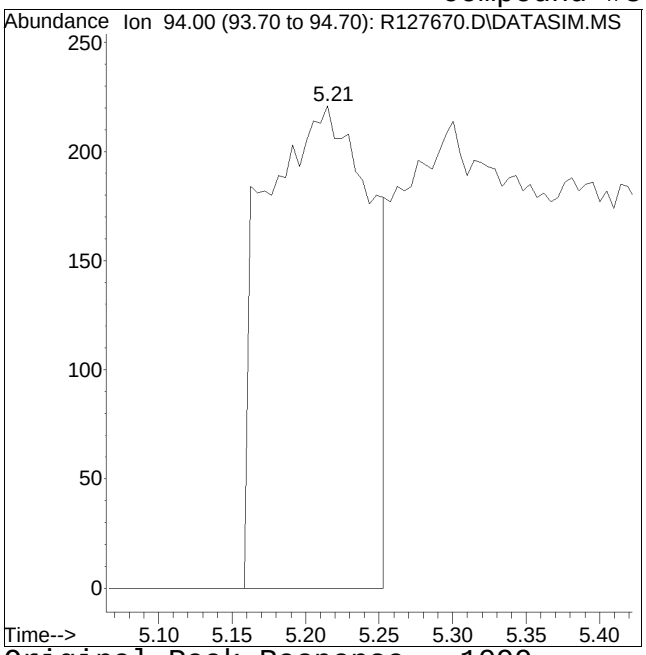
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

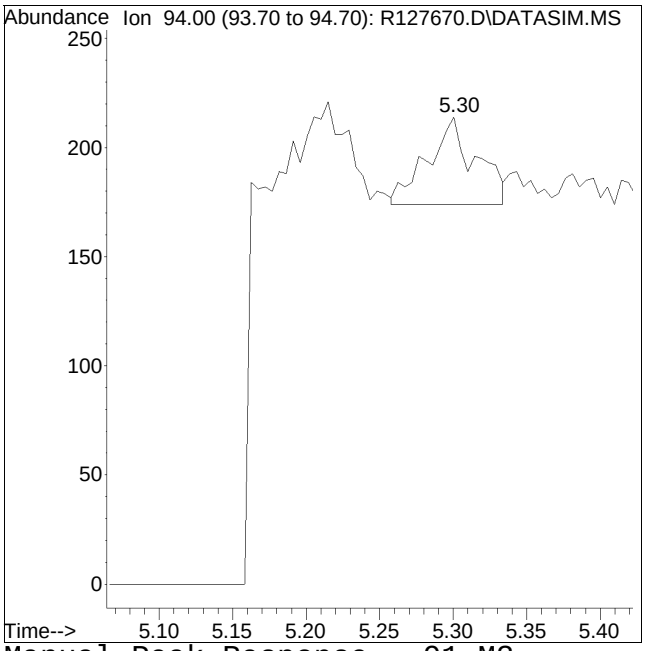
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #8: bromomethane



Original Peak Response = 1099



Manual Peak Response = 91 M3

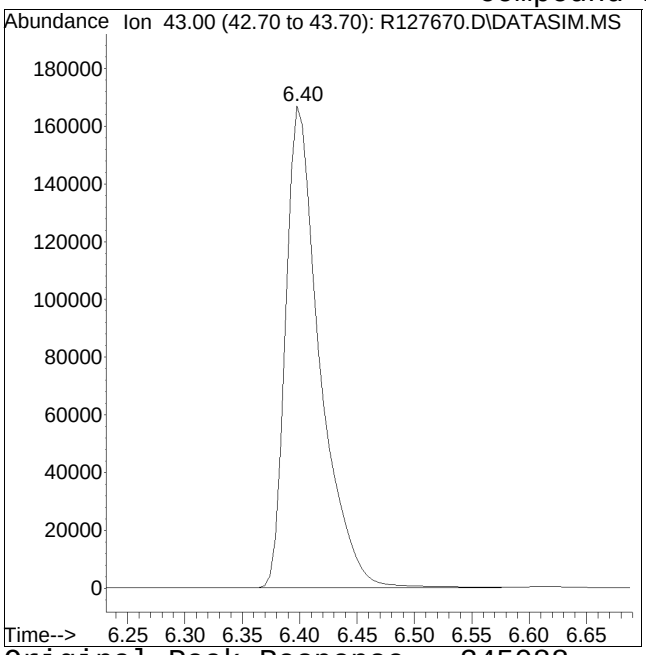
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

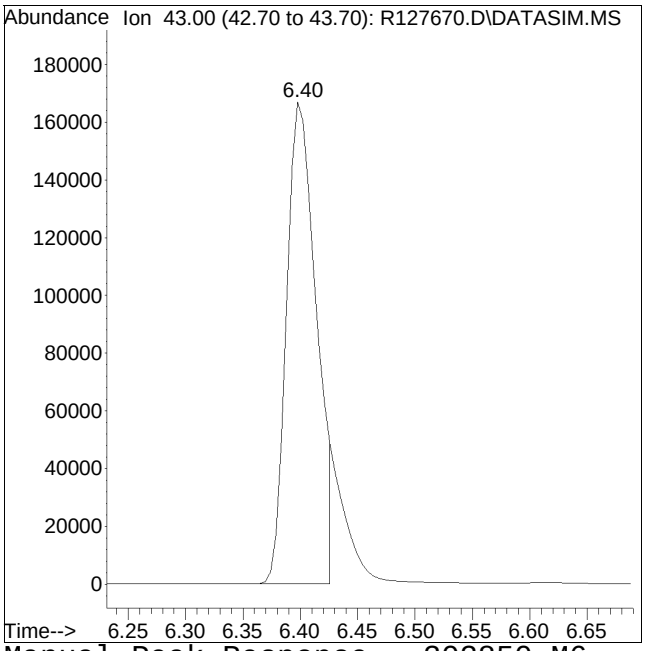
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #12: acetone



Original Peak Response = 345088



Manual Peak Response = 303850 M6

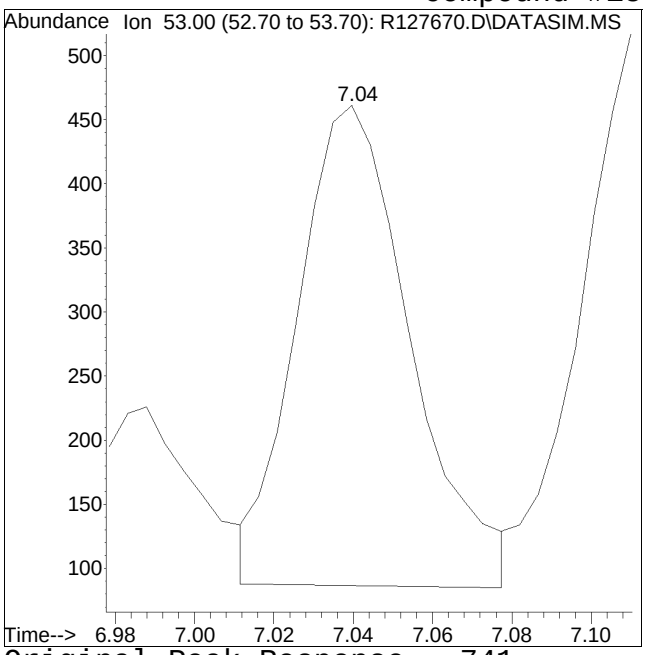
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

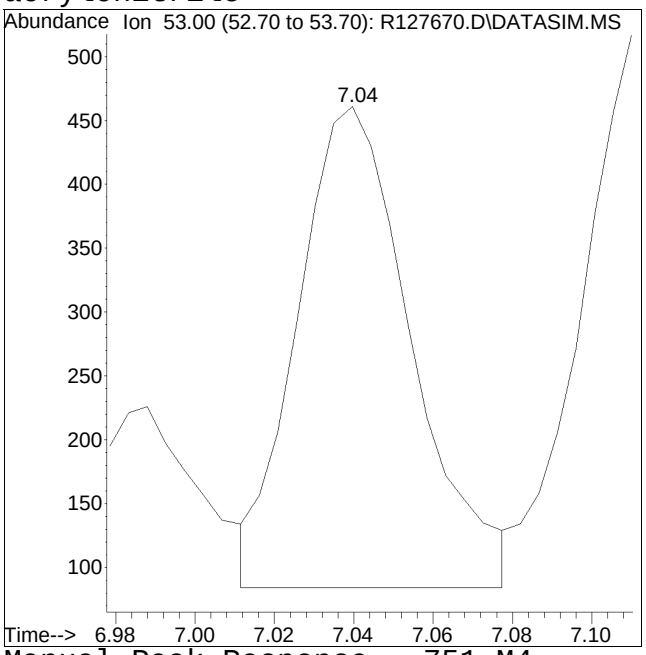
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #15: acrylonitrile



Original Peak Response = 741



Manual Peak Response = 751 M4

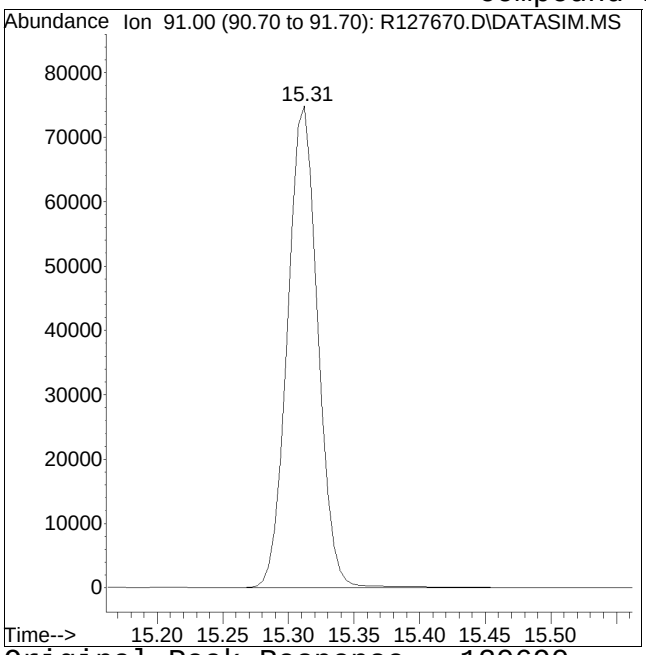
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

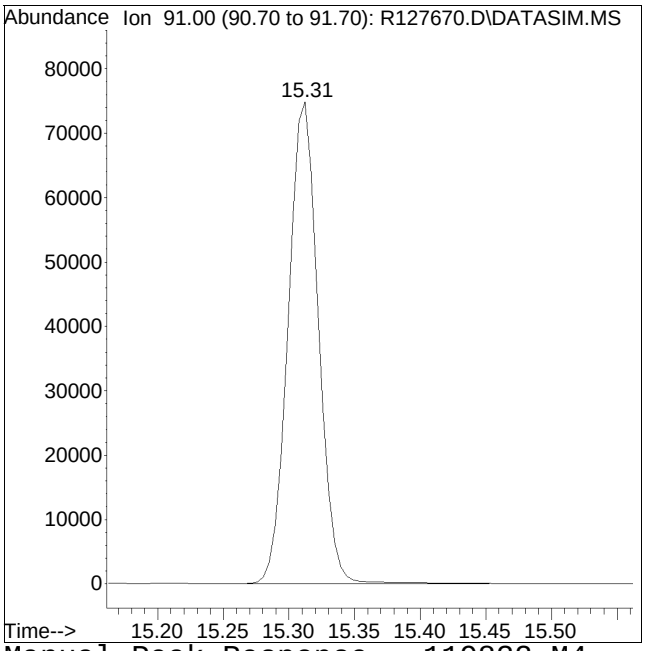
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #50: toluene



Original Peak Response = 120690



Manual Peak Response = 119832 M4

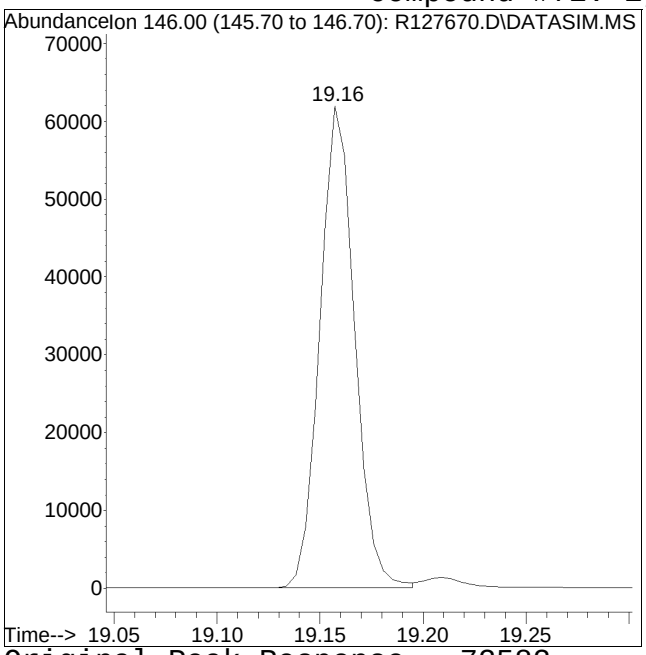
M4 = Poor automated baseline construction.

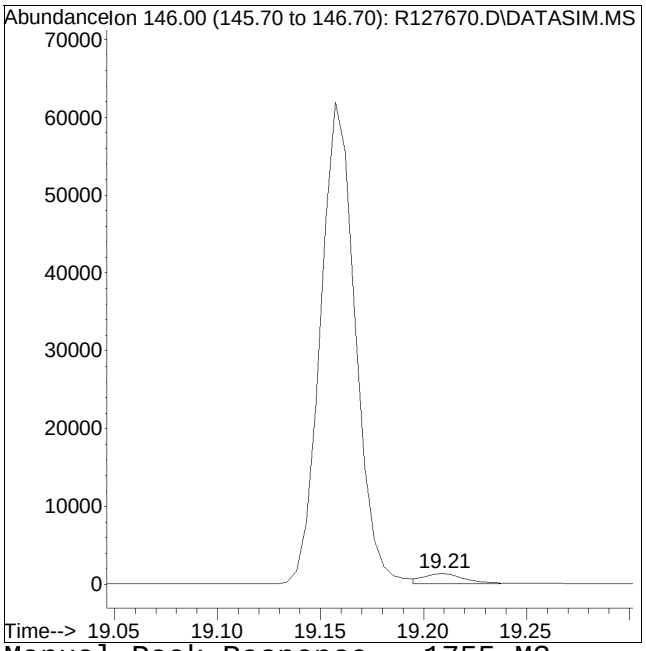
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 72582 Manual Peak Response = 1755 M3

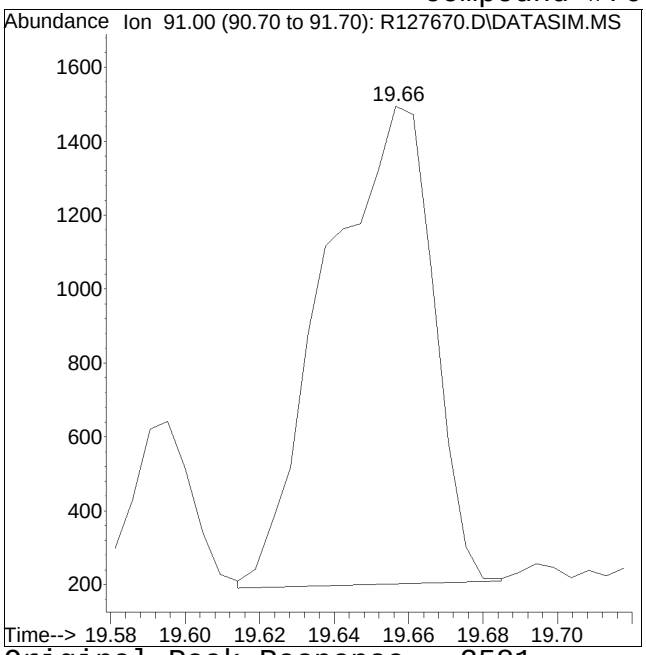
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

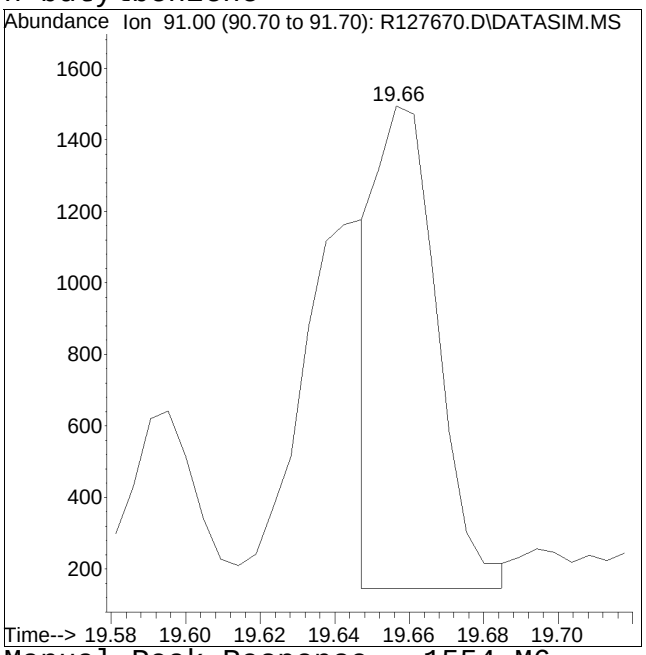
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127670.D
Date Inj'd : 4/15/2013 7:14 pm
Sample : L1306330-08D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #76: n-butylbenzene



Original Peak Response = 2581



Manual Peak Response = 1554 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127671.D
Acq On : 15 Apr 2013 7:46 pm
Operator : AIRPIANO1:MB
Sample : L1306330-09D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 11:23:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	280878	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 101.20%			
32) 1,4-difluorobenzene	12.49	114	579195	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 101.81%			
49) chlorobenzene-D5	16.90	54	140114	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 101.48%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	8158	0.224	ppbV	98
4) chloromethane	4.40	50	1325	0.069	ppbV	91
5) Freon-114	4.55	85	288	0.007	ppbV #	87
6) vinyl chloride	4.70		0	N.D.		
7) 1,3-butadiene	4.91	54	591M4	0.046	ppbV	
8) bromomethane	0.00		0	N.D.	d	
9) chloroethane	5.55		0	N.D.		
12) acetone	6.40	43	160239M6	5.273	ppbV	
13) trichlorofluoromethane	6.62	101	4280	0.098	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	7.40		0	N.D.		
17) methylene chloride	7.64	49	55106M4	2.169	ppbV	
20) Freon 113	7.99	101	1331	0.044	ppbV	97
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	167372	3.514	ppbV	97
27) cis-1,2-dichloroethene	10.11		0	N.D.		
29) chloroform	10.43	83	583	0.018	ppbV #	75
31) 1,2-dichloroethane	11.28		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	7818	0.252	ppbV	96
36) benzene	12.09	78	14546	0.318	ppbV	100
37) carbon tetrachloride	12.25	117	4284	0.126	ppbV	89
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	2615	0.117	ppbV	99
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	64162M6	1.234	ppbV	
47) trans-1,3-dichloropropene	0.00		0	N.D.	d	

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127671.D
Acq On : 15 Apr 2013 7:46 pm
Operator : AIRPIANO1:MB
Sample : L1306330-09D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 11:23:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

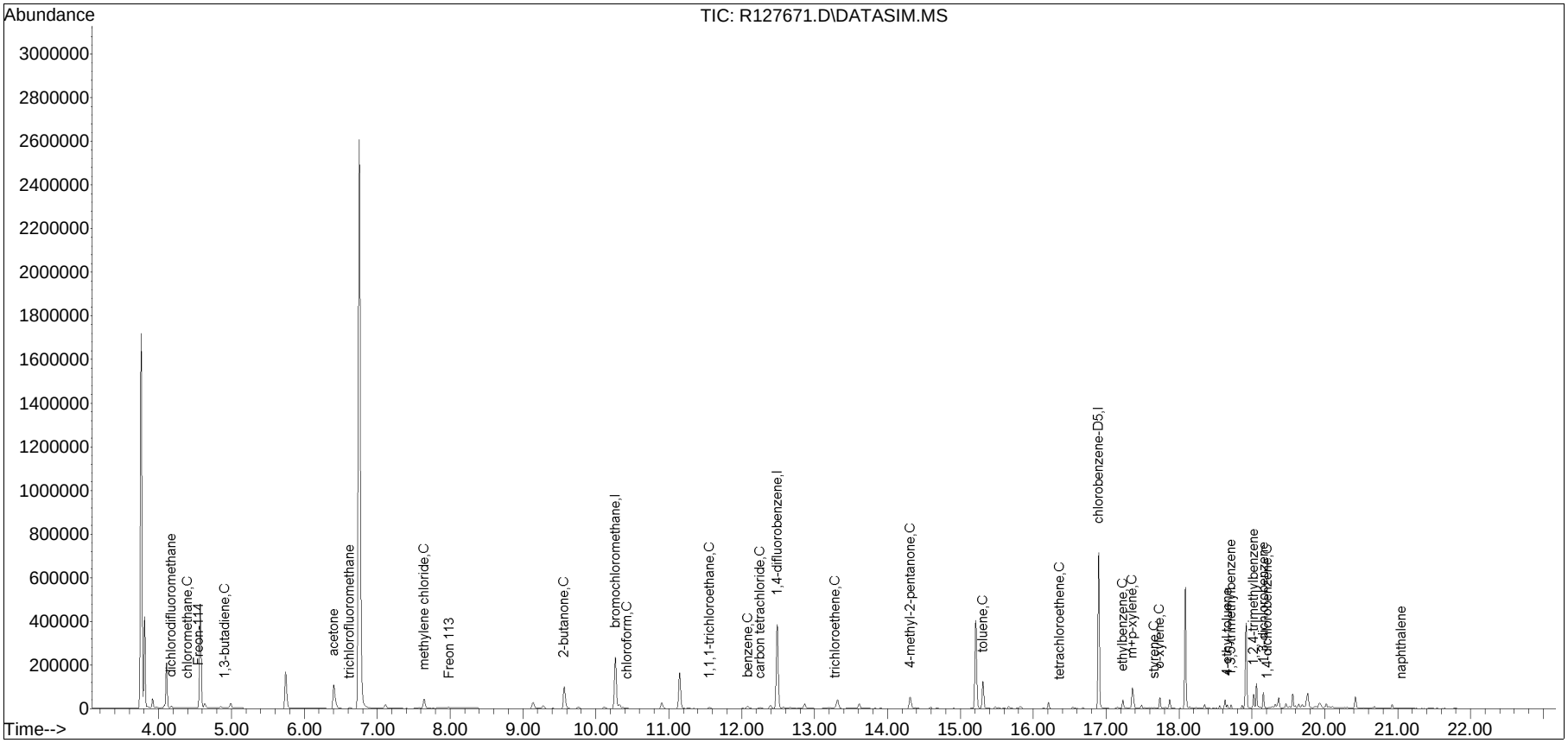
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	111299M4	1.960	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	344	0.012	ppbV	#	81
56) 1,1,1,2-tetrachloroethane	16.91		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	35765	0.492	ppbV		100
59) m+p-xylene	17.36	91	87622	1.549	ppbV		99
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	2063	0.047	ppbV		99
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	37727	0.640	ppbV		99
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	14775	0.172	ppbV		99
67) 1,3,5-trimethylbenzene	18.72	105	13368	0.190	ppbV		99
69) 1,2,4-trimethylbenzene	19.03	105	41917	0.595	ppbV	#	52
71) 1,3-dichlorobenzene	19.16	146	49752	0.934	ppbV		97
72) 1,4-dichlorobenzene	19.21	146	611M3	0.011	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	2859M6	0.028	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

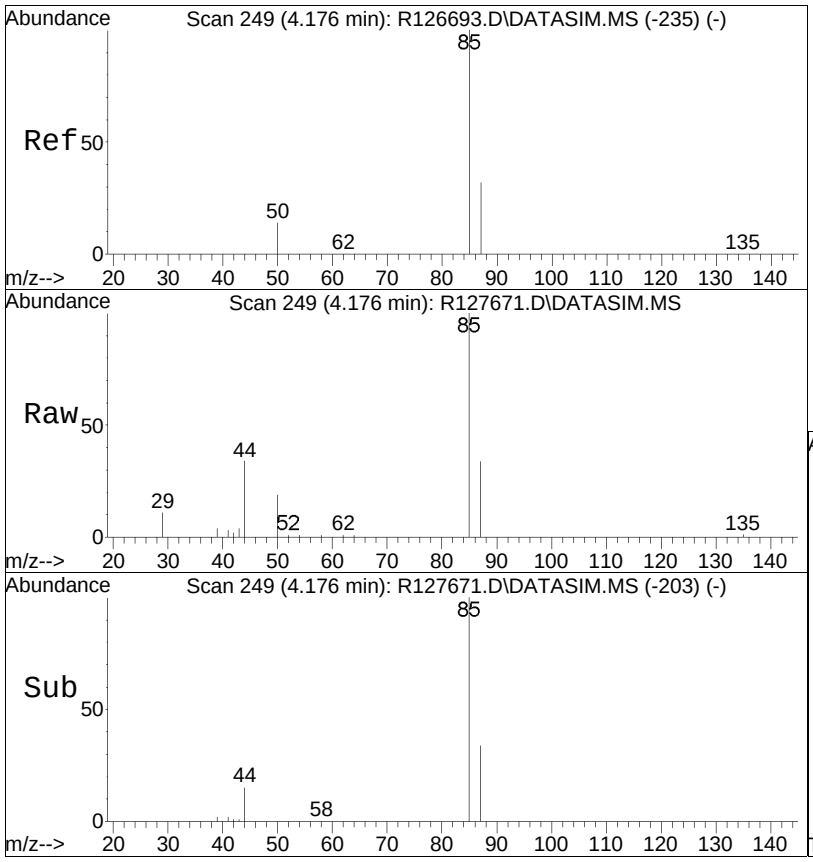
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127671.D
Acq On : 15 Apr 2013 7:46 pm
Operator : AIRPIANO1:MB
Sample : L1306330-09D,3,125,250
Misc : WG601750,ICAL7910
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 11:23:02 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

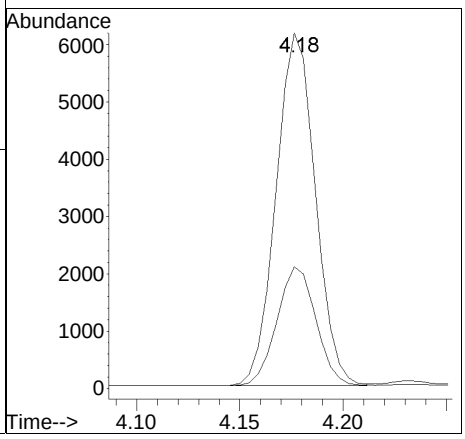


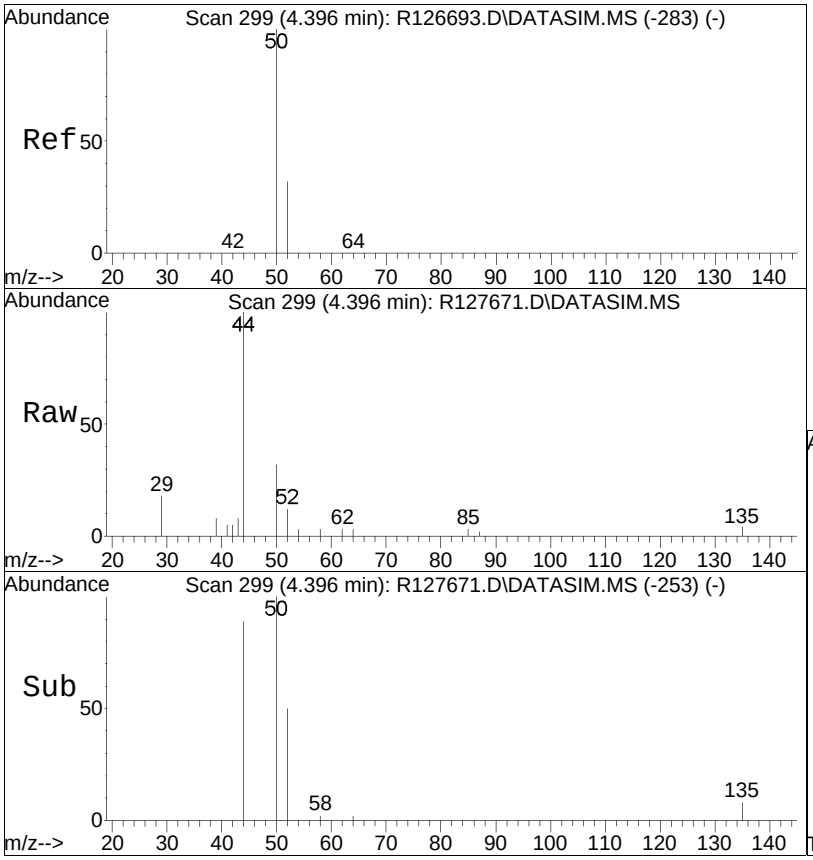


#3
dichlorodifluoromethane
Concen: 0.22 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 85 Resp: 8158

Ion	Ratio	Lower	Upper
85	100		
87	34.2	26.6	40.0

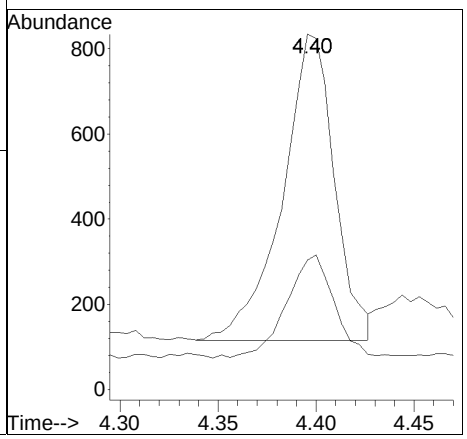


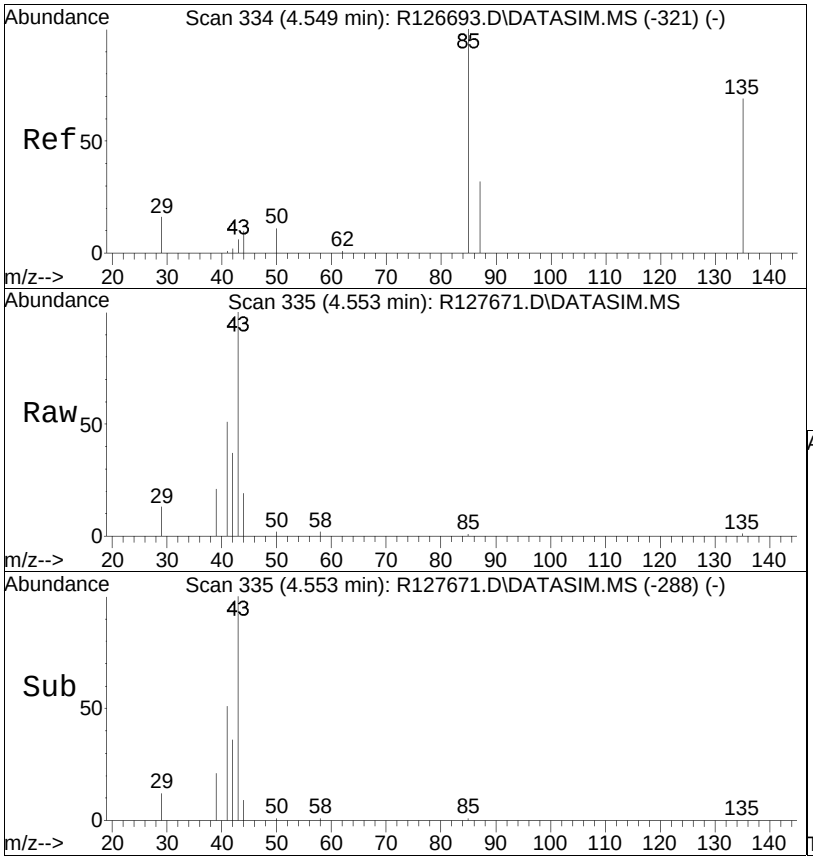


#4
chloromethane
Concen: 0.07 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 50 Resp: 1325

Ion	Ratio	Lower	Upper
50	100		
52	36.4	25.3	37.9

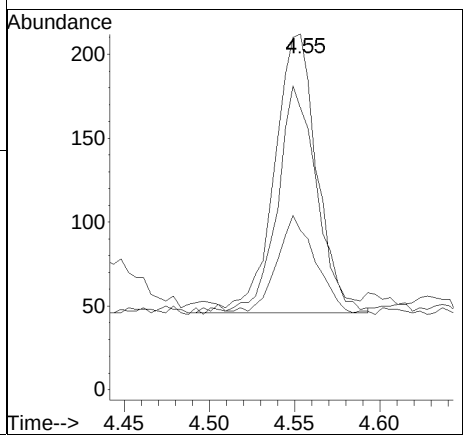


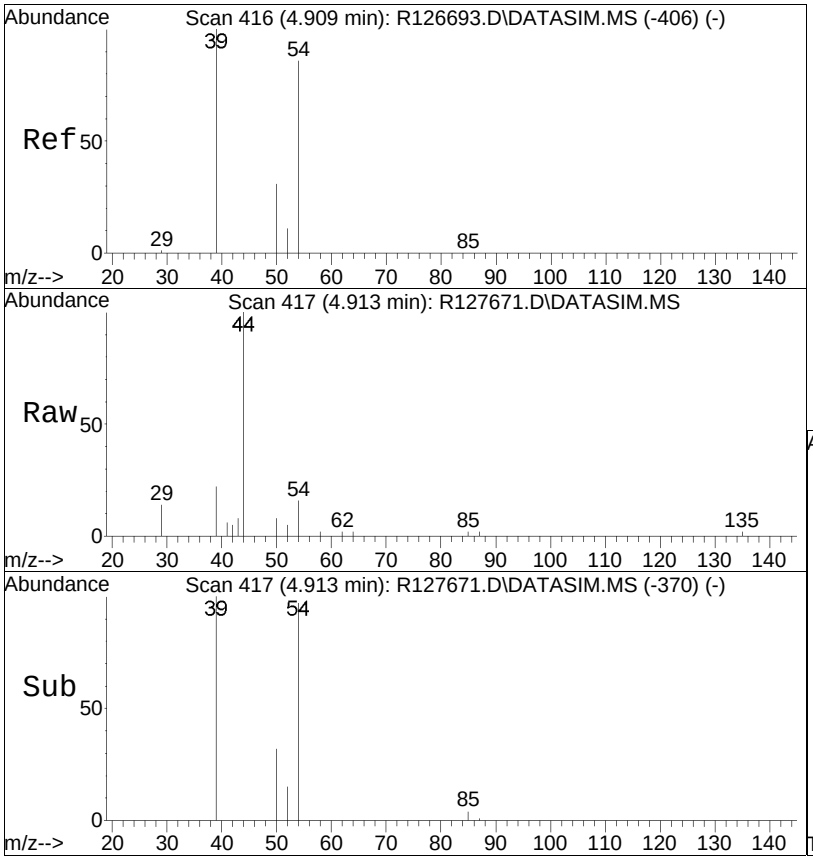


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 335
Delta R.T. 0.004 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 85 Resp: 288

Ion	Ratio	Lower	Upper
85	100		
87	44.8	26.5	39.7#
135	79.2	56.9	85.3

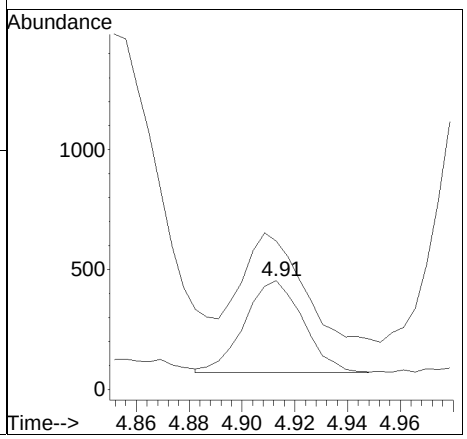


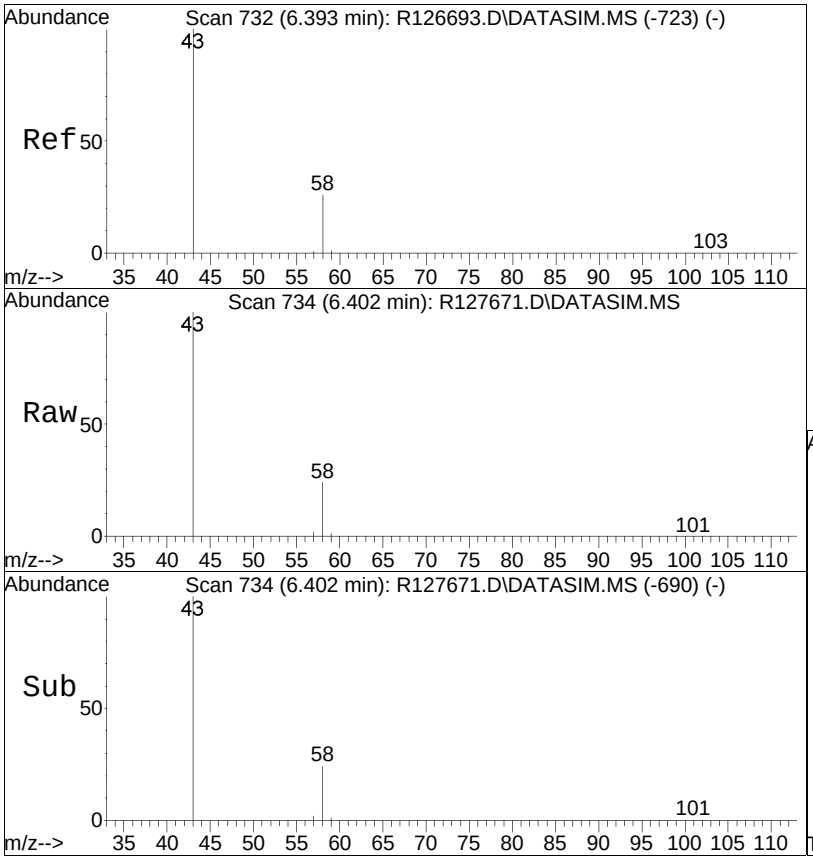


#7
1,3-butadiene
Concen: 0.05 ppbV m
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 54 Resp: 591

Ion	Ratio	Lower	Upper
54	100		
39	136.3	92.4	138.6

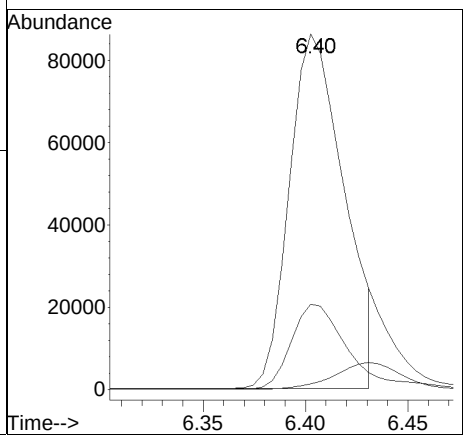


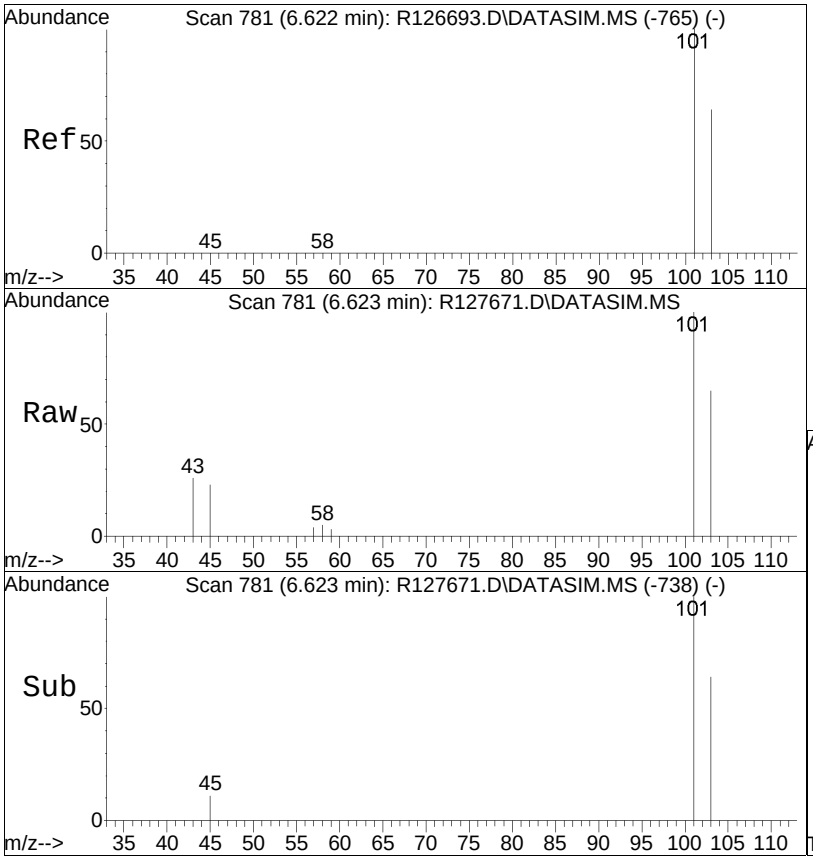


#12
acetone
Concen: 5.27 ppbV m
RT: 6.40 min Scan# 734
Delta R.T. 0.009 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 43 Resp: 160239

Ion	Ratio	Lower	Upper
43	100		
58	24.0	20.0	30.0
57	1.6	0.6	1.0#

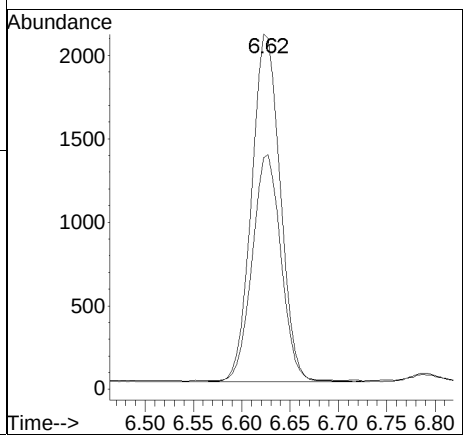


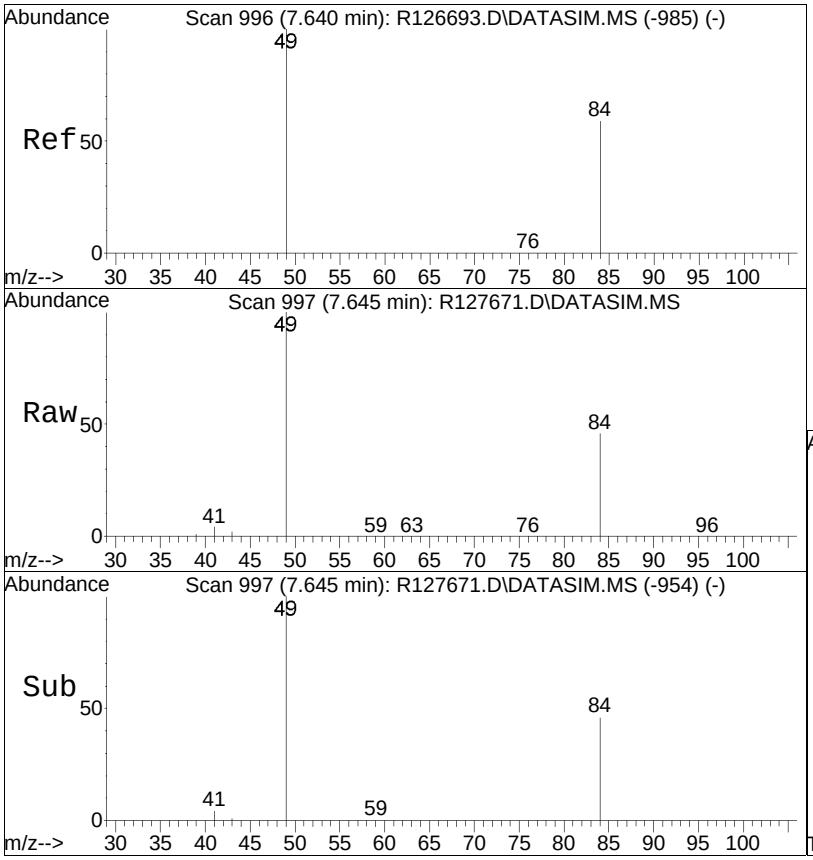


#13
trichlorofluoromethane
Concen: 0.10 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:101 Resp: 4280

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

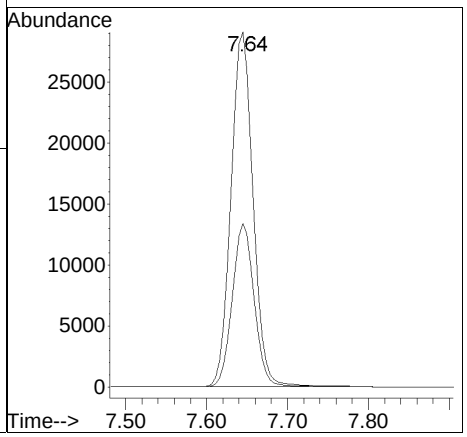


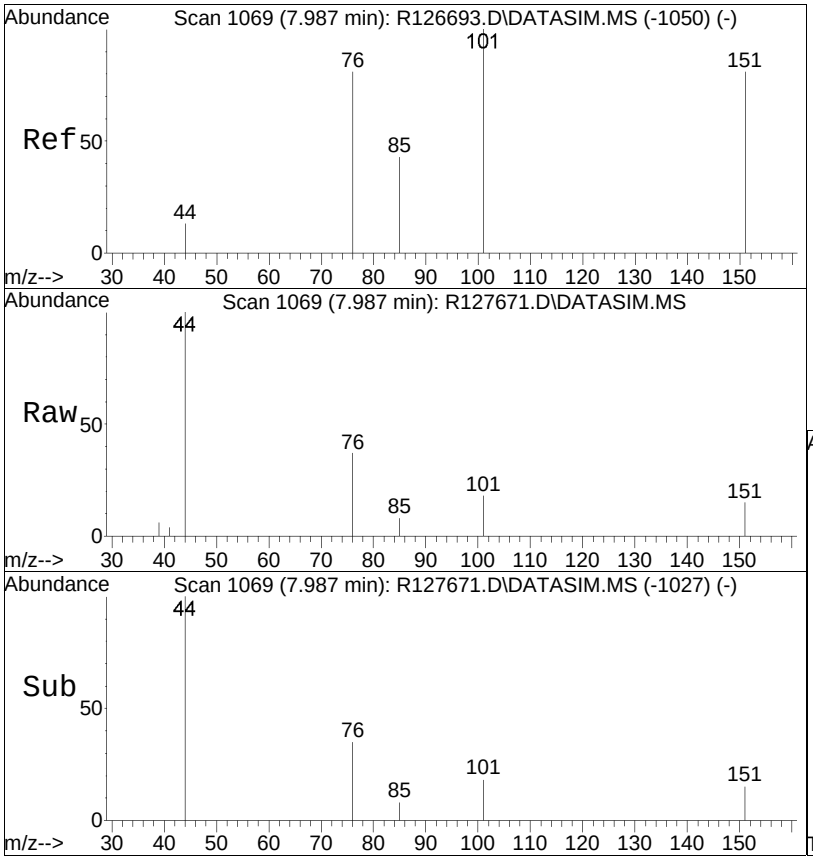


#17
methylene chloride
Concen: 2.17 ppbV m
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 49 Resp: 55106

Ion	Ratio	Lower	Upper
49	100		
84	46.2	37.2	55.8

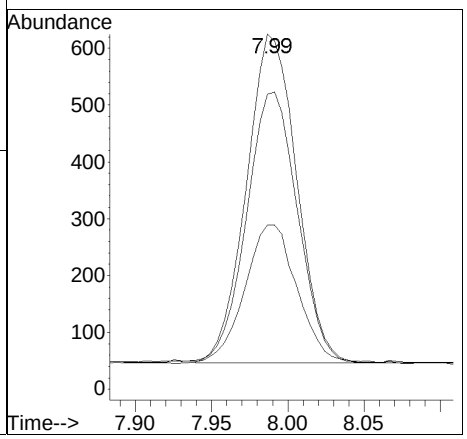


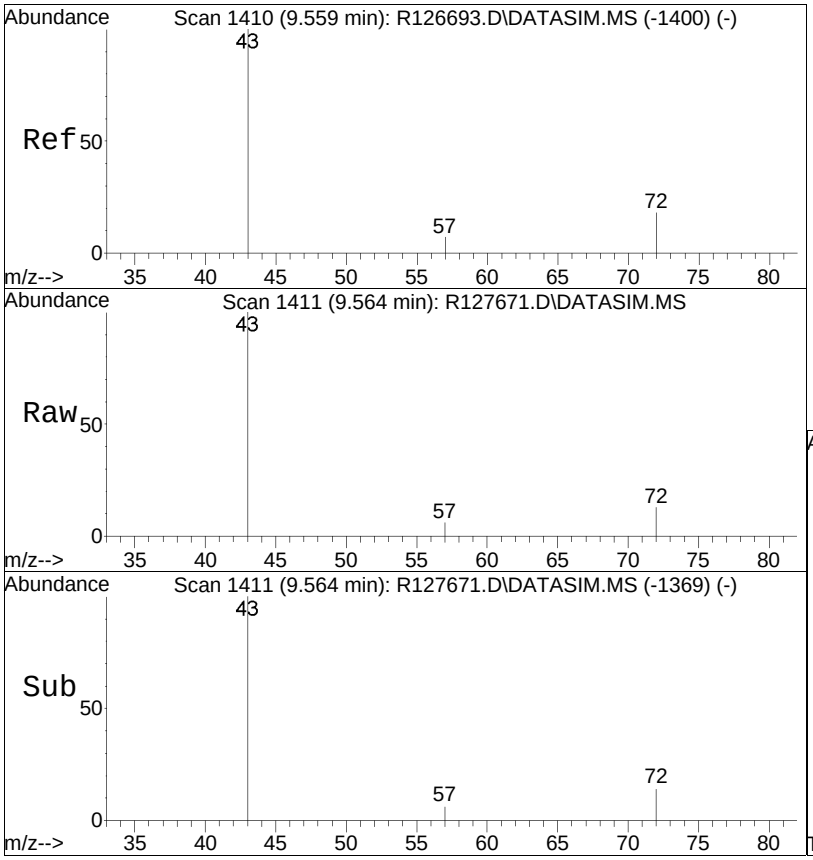


#20
Freon 113
Concen: 0.04 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:101 Resp: 1331

Ion	Ratio	Lower	Upper
101	100		
85	46.2	34.2	51.2
151	83.0	67.8	101.8

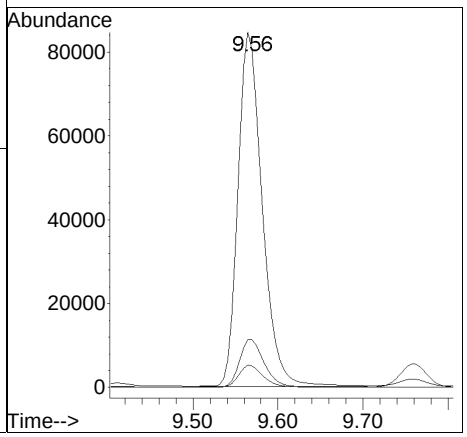


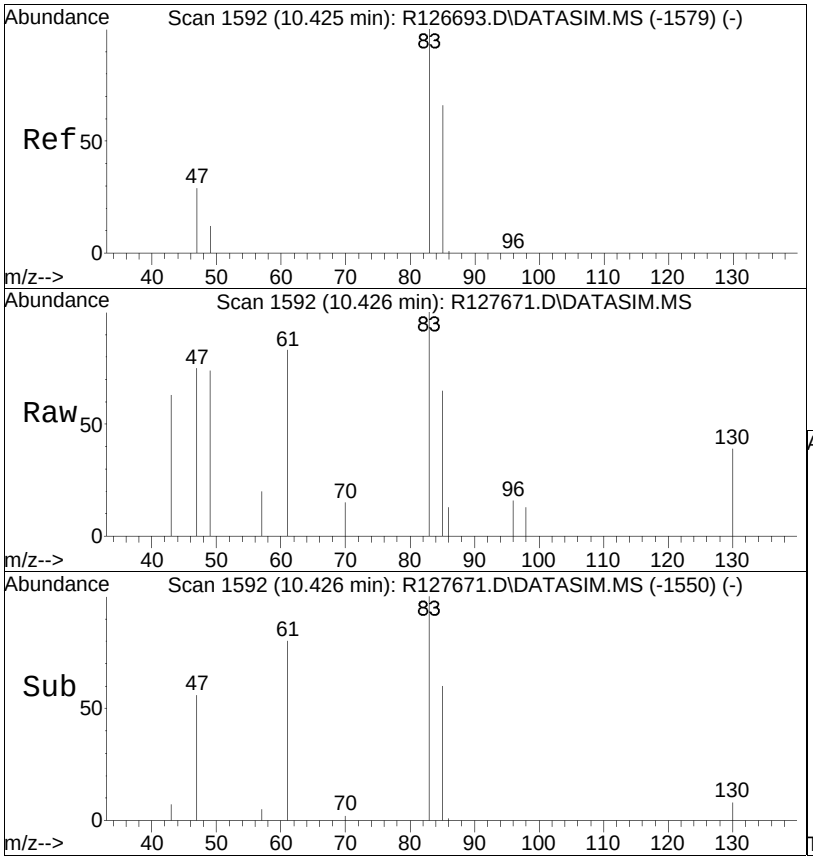


#26
2-butanone
Concen: 3.51 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 43 Resp: 167372

Ion	Ratio	Lower	Upper
43	100		
72	13.5	12.0	18.0
57	6.3	5.2	7.8

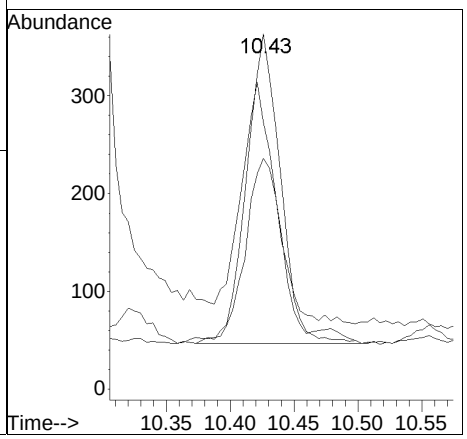


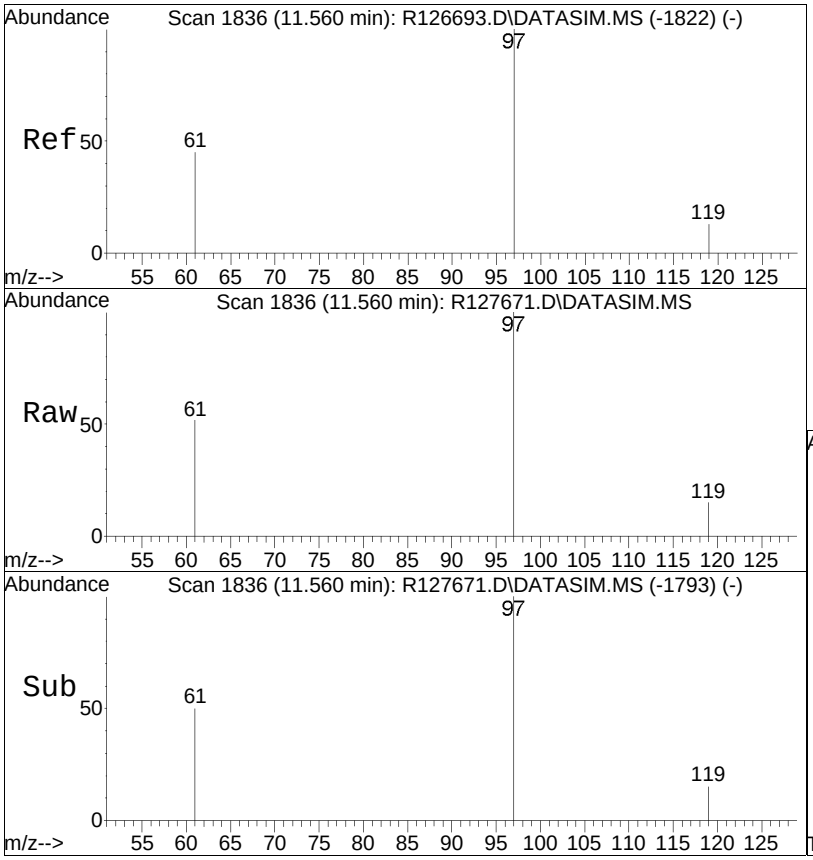


#29
chloroform
Concen: 0.02 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 83 Resp: 583

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2
47	75.2	26.4	39.6#

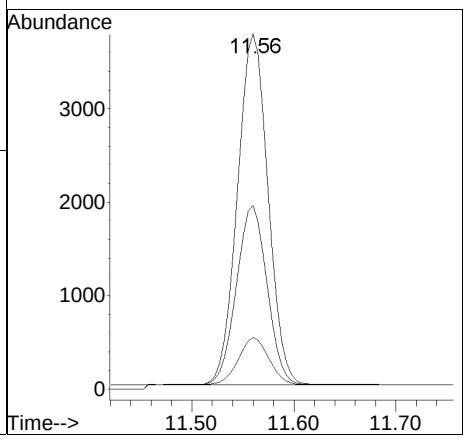


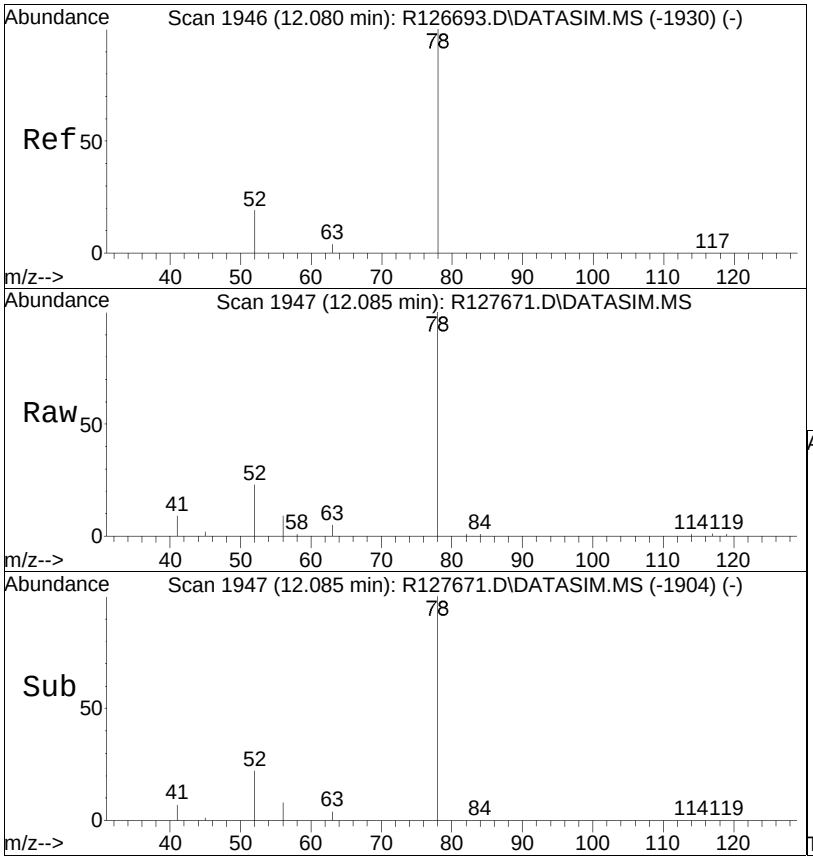


#35
1,1,1-trichloroethane
Concen: 0.25 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 97 Resp: 7818

Ion	Ratio	Lower	Upper
97	100		
61	51.8	38.6	58.0
119	14.6	11.0	16.6

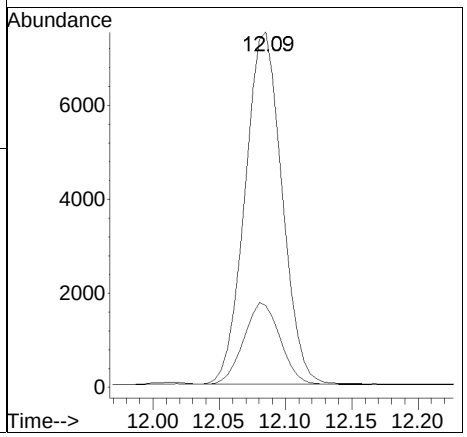


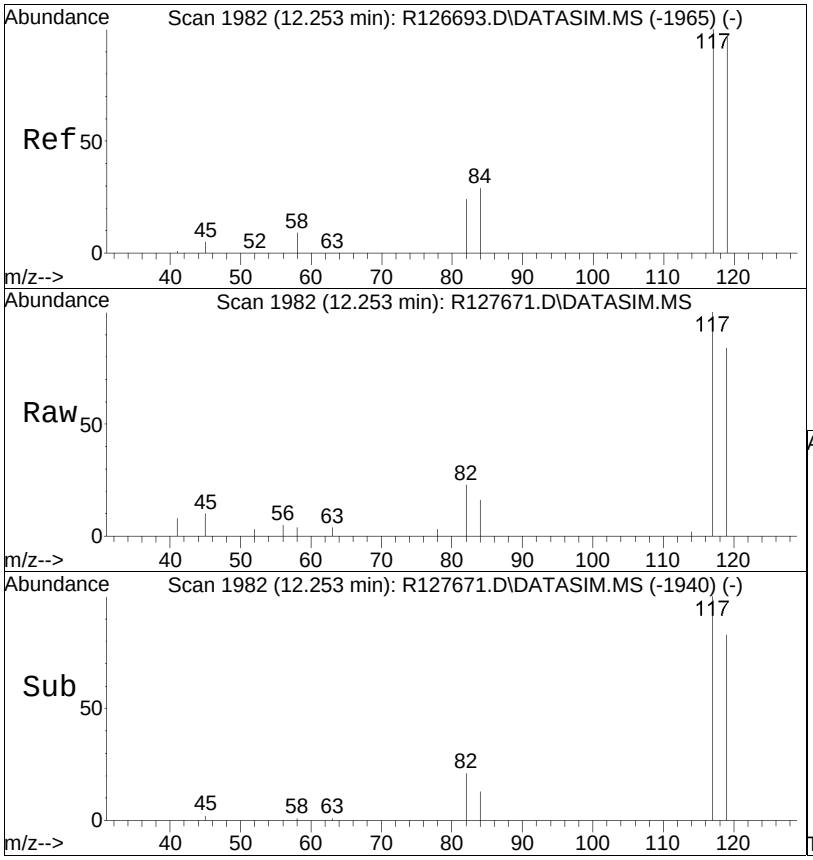


#36
benzene
Concen: 0.32 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 78 Resp: 14546

Ion	Ratio	Lower	Upper
78	100		
52	23.0	18.5	27.7

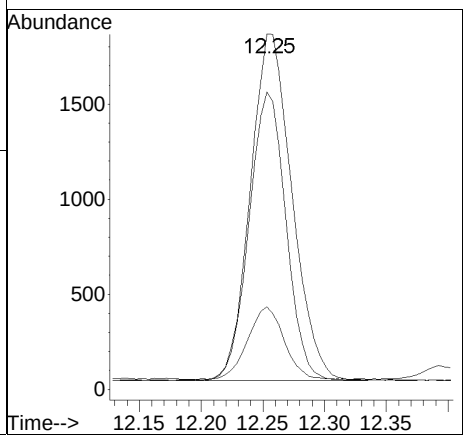


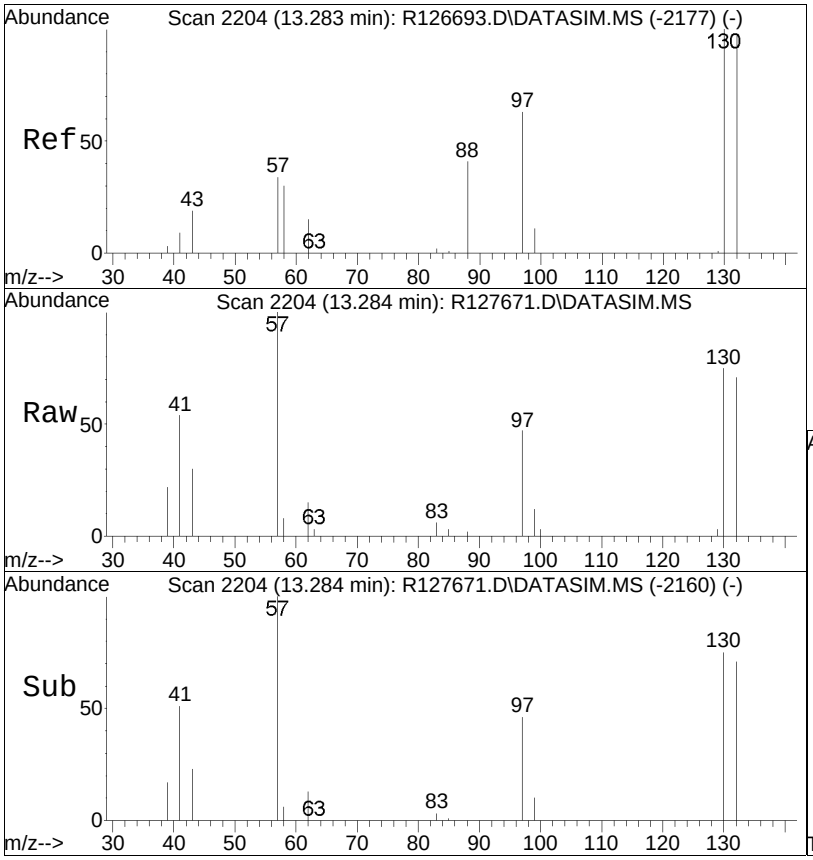


#37
carbon tetrachloride
Concen: 0.13 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:117 Resp: 4284

Ion	Ratio	Lower	Upper
117	100		
119	83.7	77.4	116.0
82	23.2	18.2	27.2

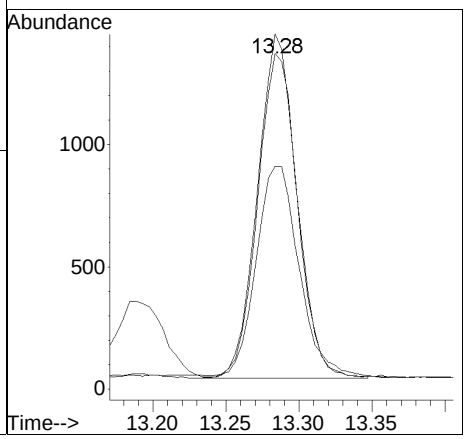


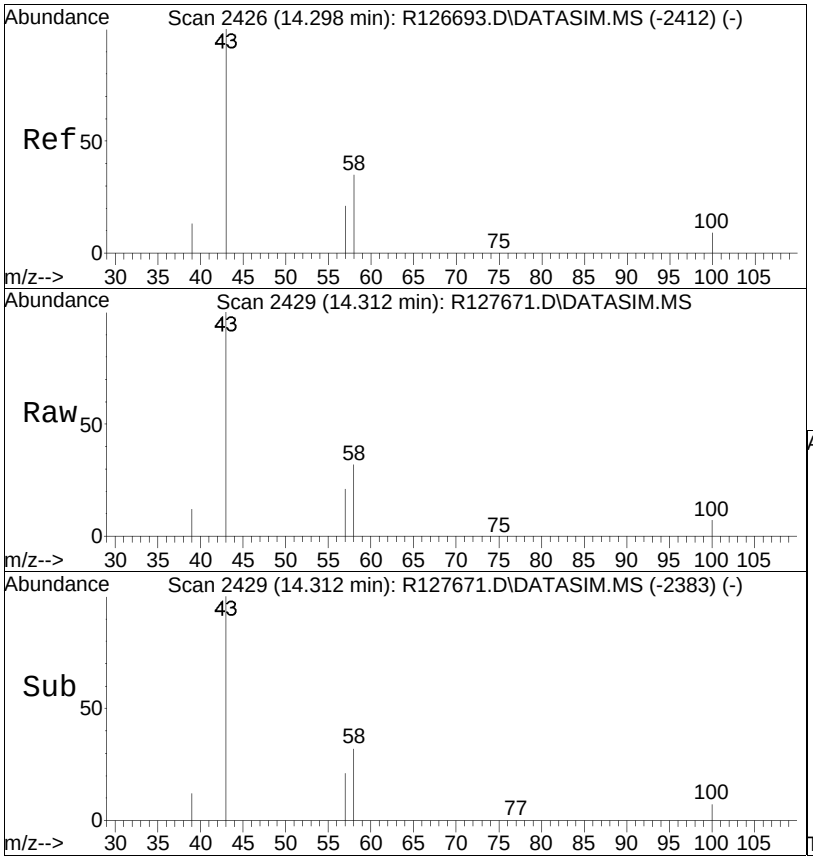


#42
trichloroethene
Concen: 0.12 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:130 Resp: 2615

Ion	Ratio	Lower	Upper
130	100		
132	94.6	77.3	115.9
97	62.8	50.6	75.8

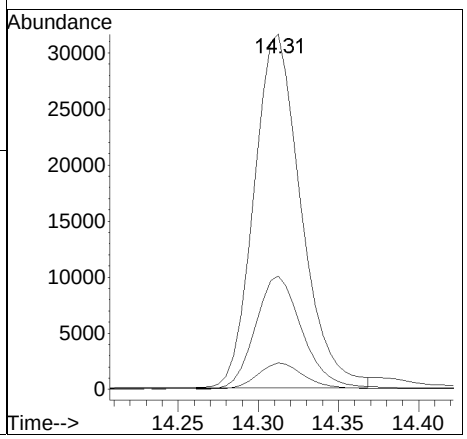


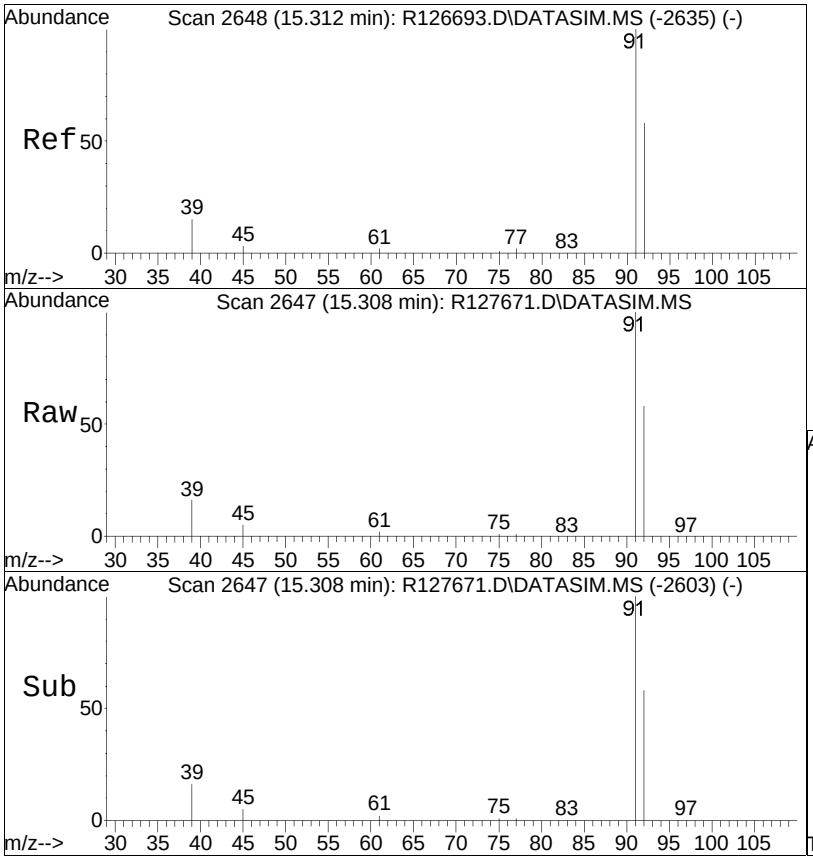


#46
4-methyl-2-pentanone
Concen: 1.23 ppbV m
RT: 14.31 min Scan# 2429
Delta R.T. 0.014 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 43 Resp: 64162

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.0	39.0
100	7.4	5.8	8.6

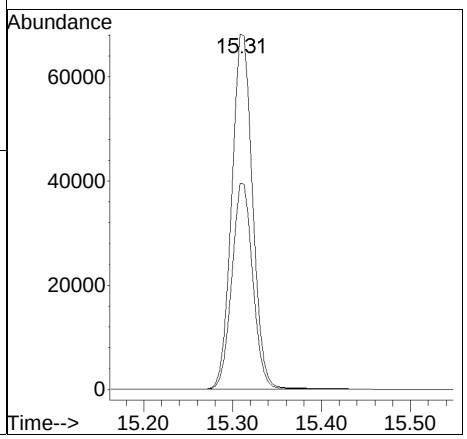


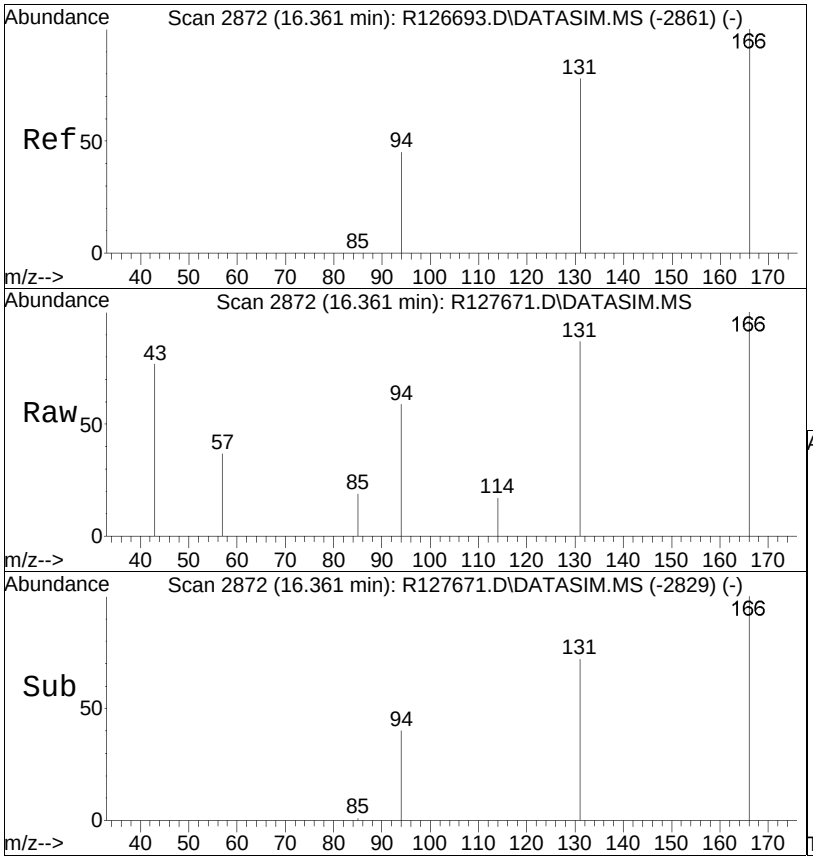


#50
toluene
Concen: 1.96 ppbV m
RT: 15.31 min Scan# 2647
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 91 Resp: 111299

Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.4	69.6

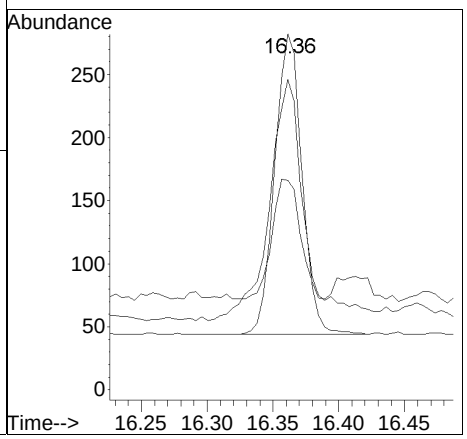


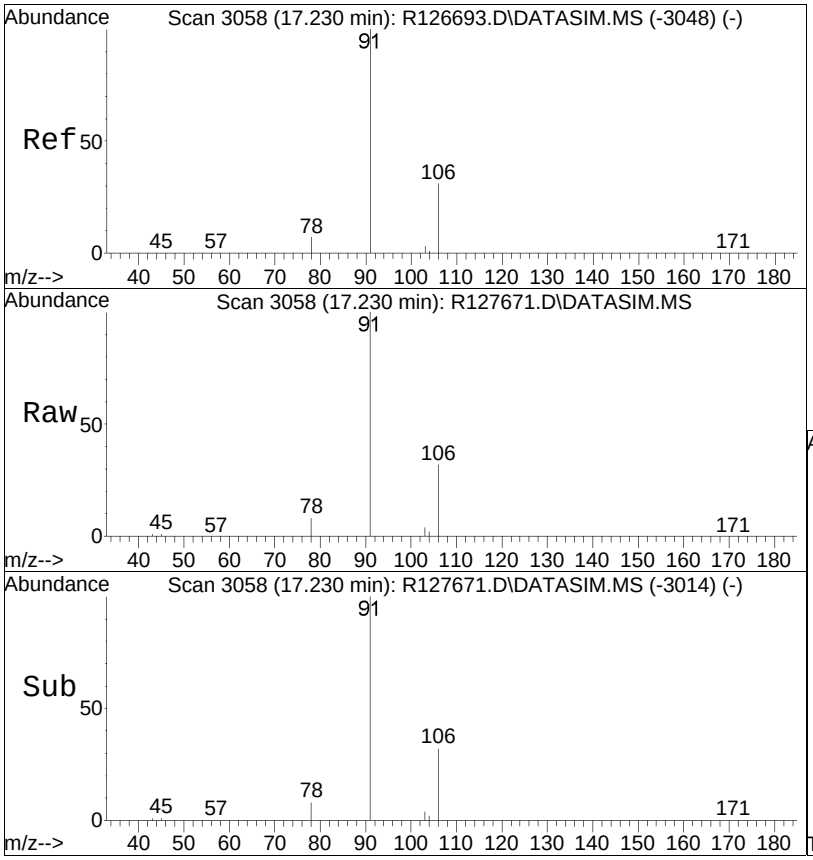


#55
tetrachloroethene
Concen: 0.01 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:166 Resp: 344

Ion	Ratio	Lower	Upper
166	100		
131	87.2	60.6	90.8
94	58.9	32.2	48.2#

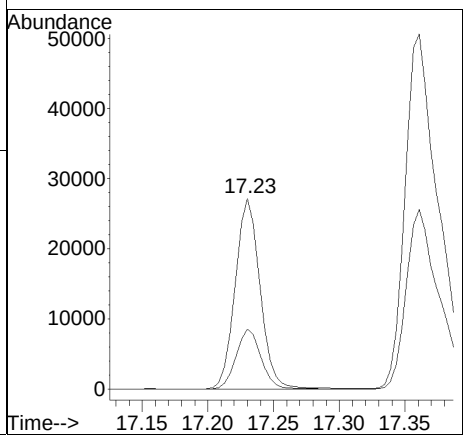


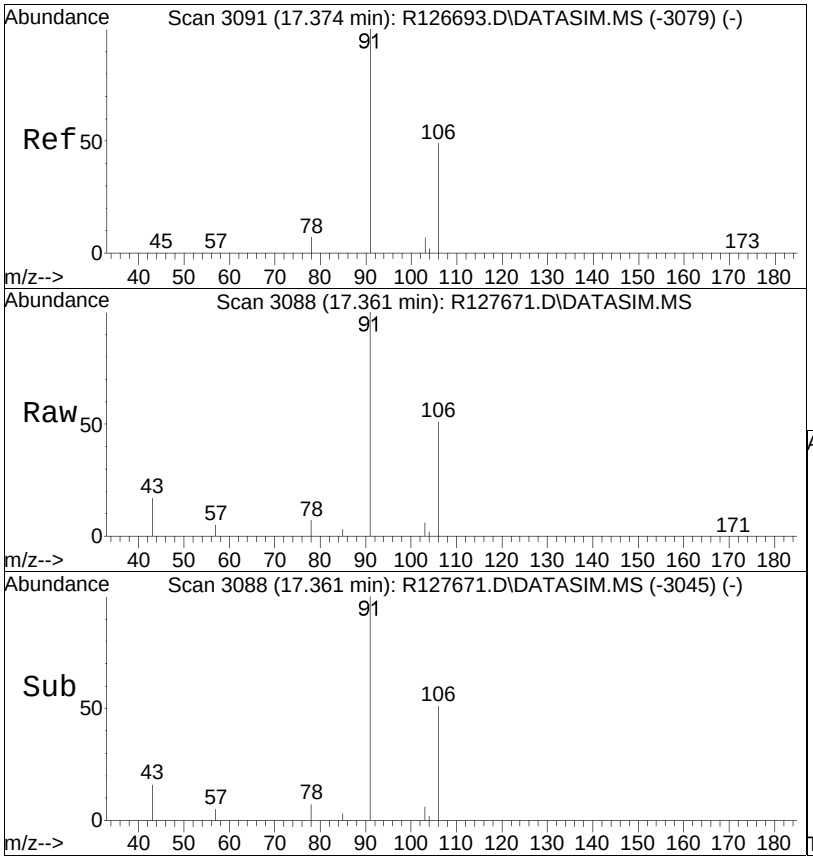


#58
ethylbenzene
Concen: 0.49 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 91 Resp: 35765

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9

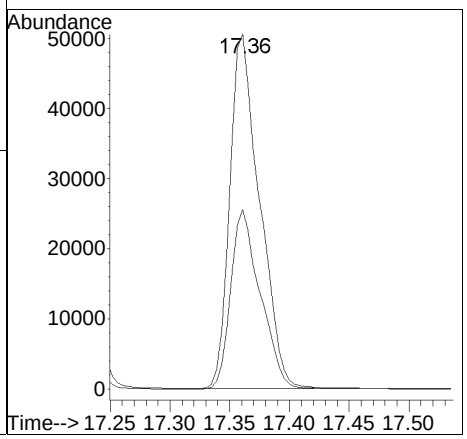


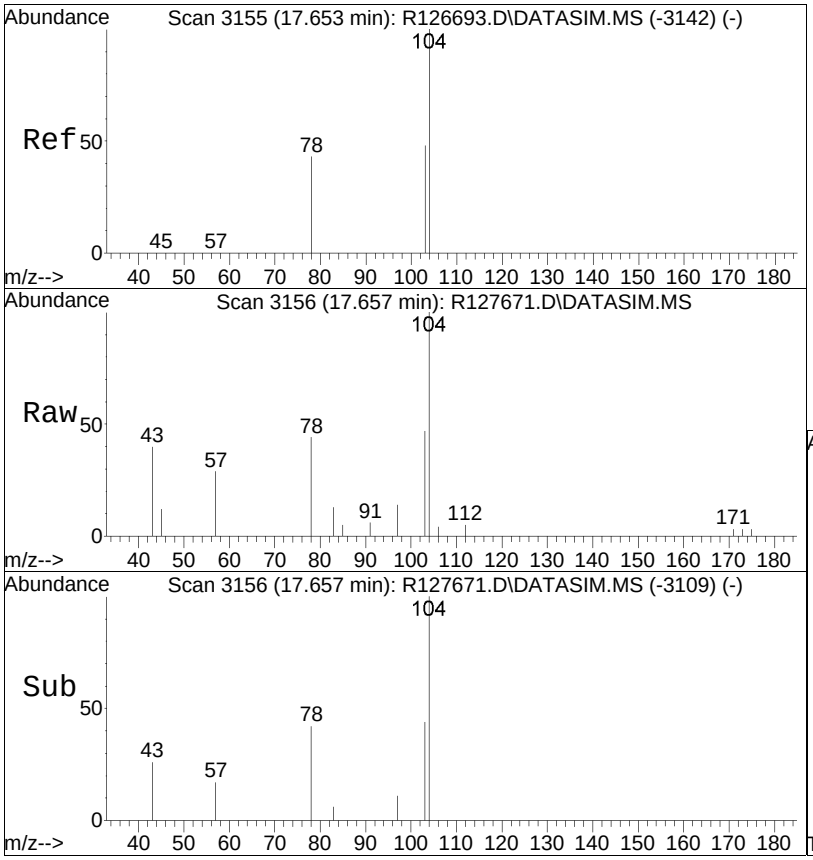


#59
m+p-xylene
Concen: 1.55 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 91 Resp: 87622

Ion	Ratio	Lower	Upper
91	100		
106	50.7	40.0	60.0

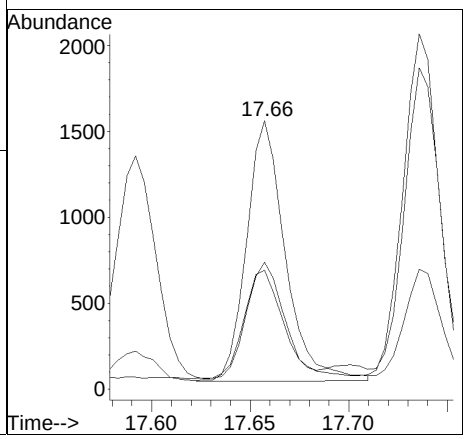


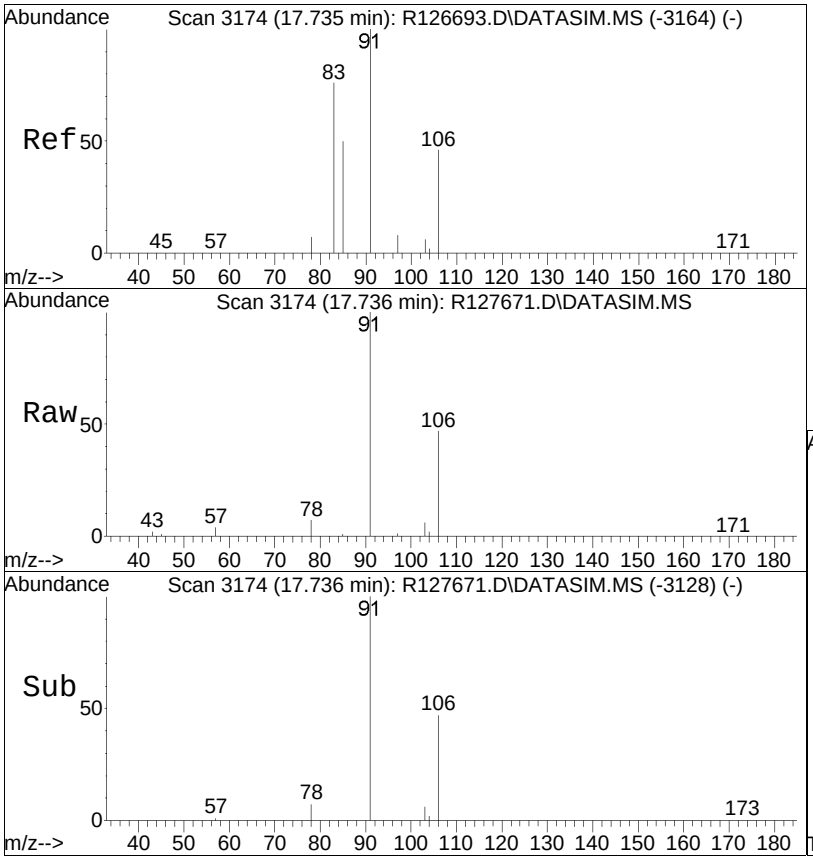


#61
styrene
Concen: 0.05 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:104 Resp: 2063

Ion	Ratio	Lower	Upper
104	100		
103	47.3	38.3	57.5
78	44.4	35.0	52.6

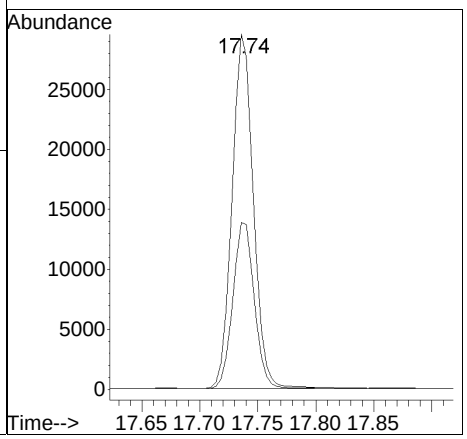


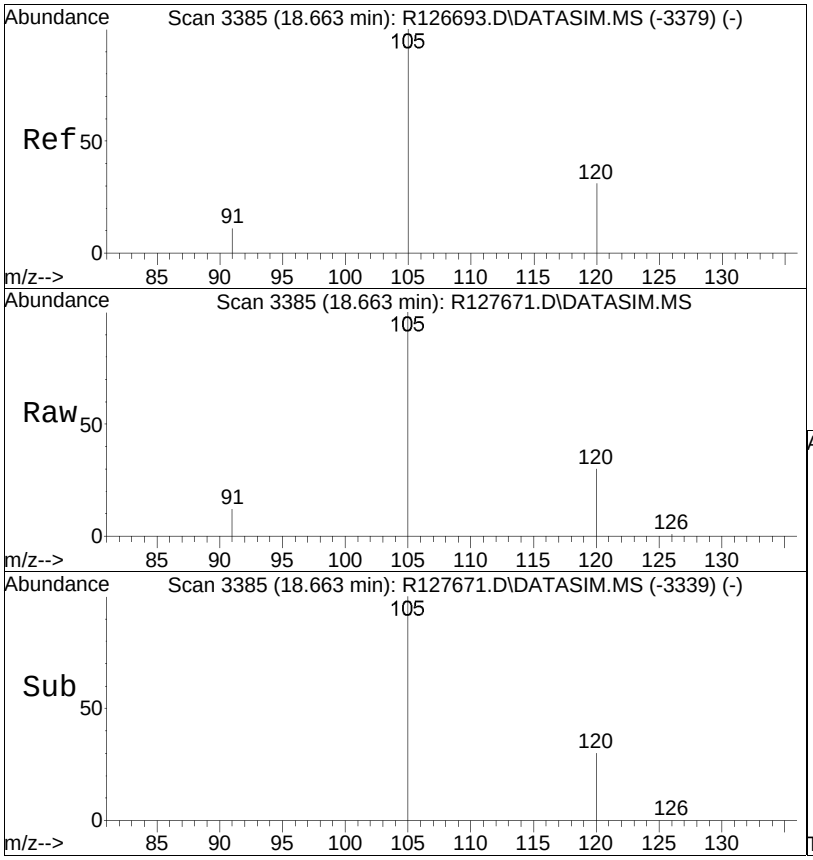


#63
o-xylene
Concen: 0.64 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion: 91 Resp: 37727

Ion	Ratio	Lower	Upper
91	100		
106	46.9	37.1	55.7

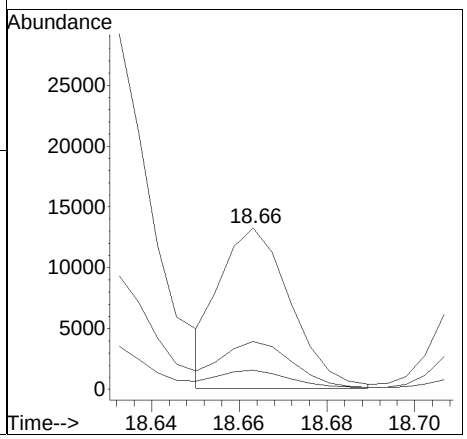


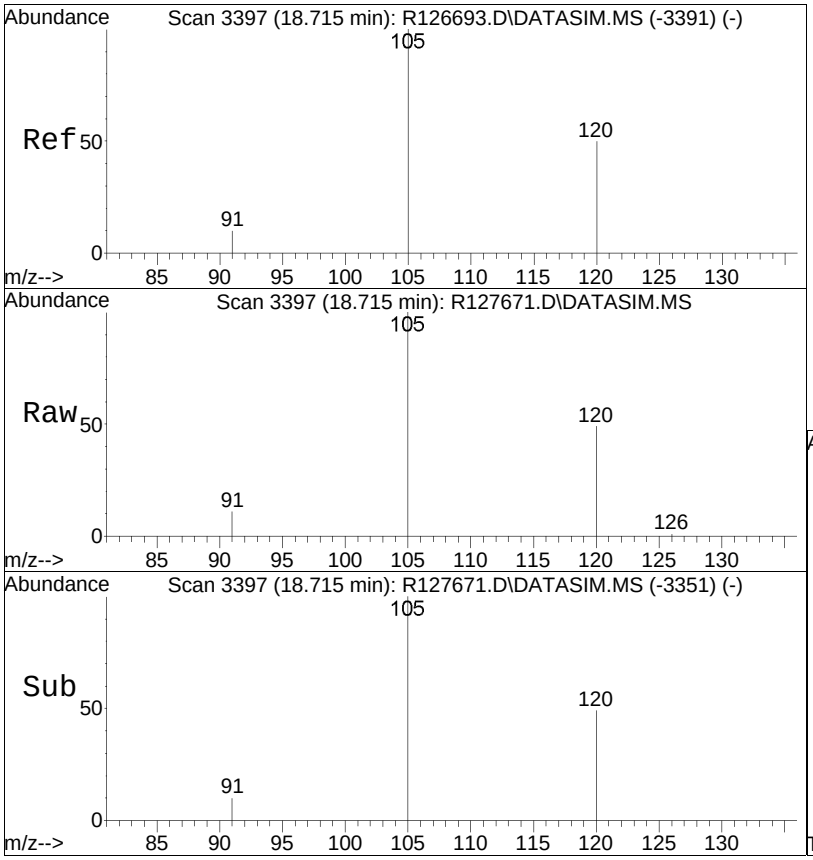


#66
4-ethyl toluene
Concen: 0.17 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:105 Resp: 14775

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	11.9	8.5	12.7

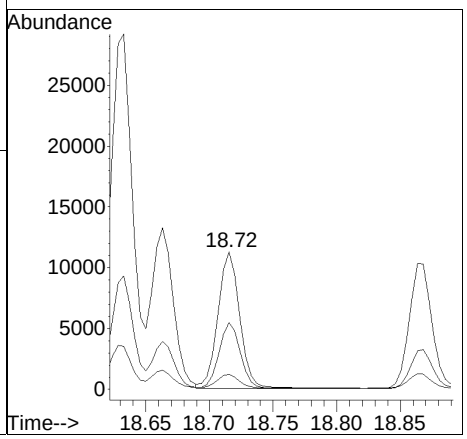


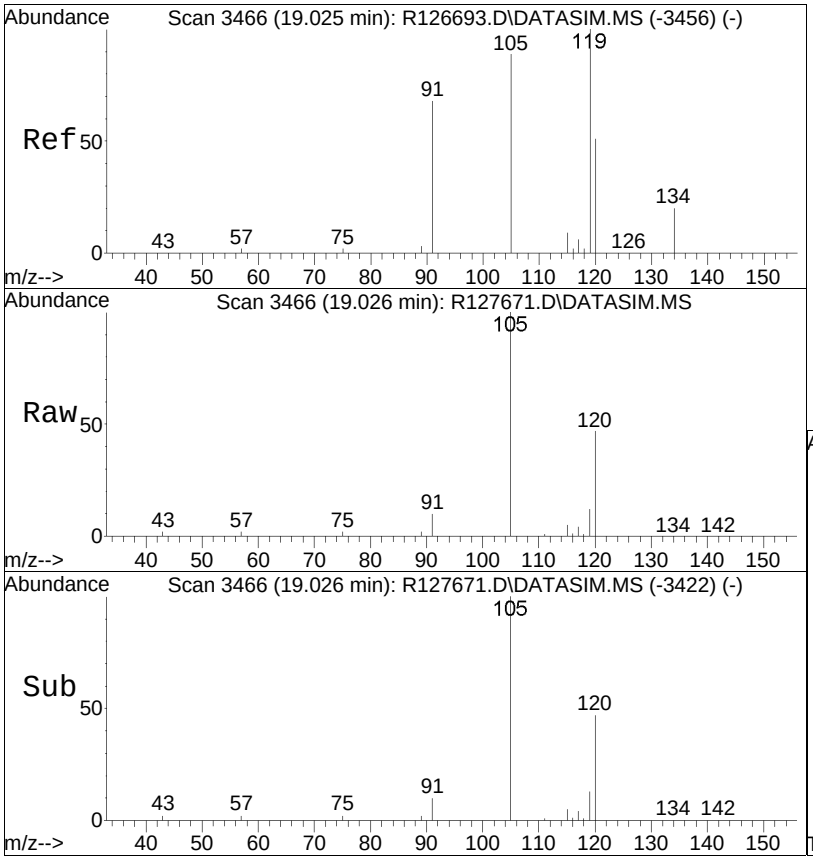


#67
1,3,5-trimethylbenzene
Concen: 0.19 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:105 Resp: 13368

Ion	Ratio	Lower	Upper
105	100		
120	48.6	39.0	58.4
91	11.1	8.0	12.0

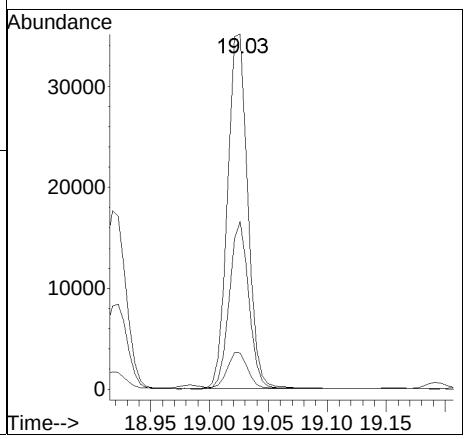


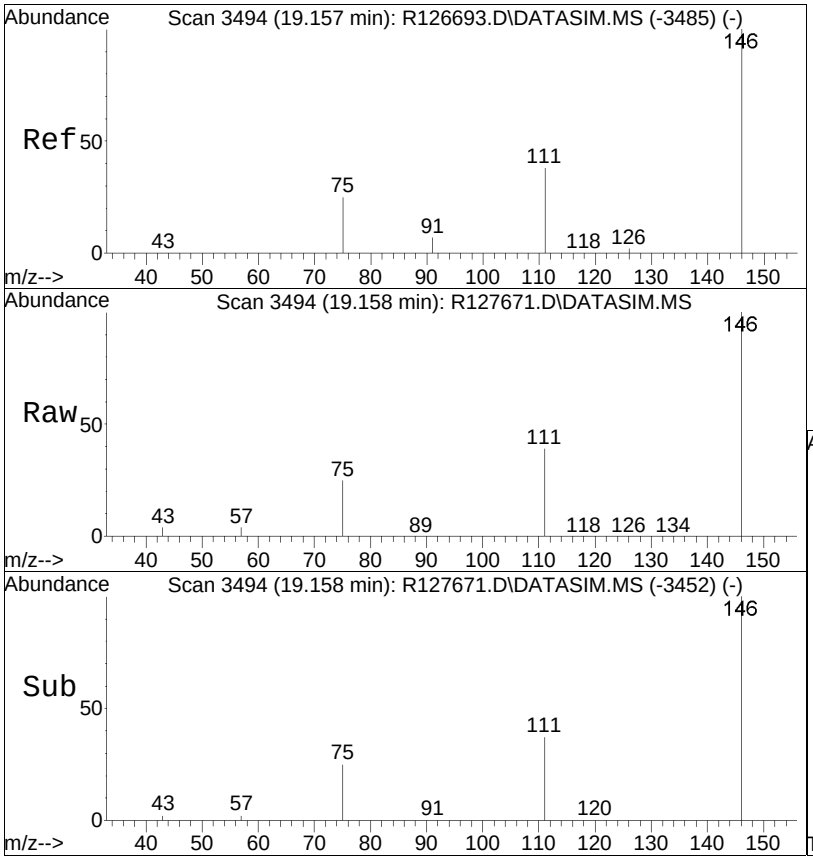


#69
1,2,4-trimethylbenzene
Concen: 0.60 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:105 Resp: 41917

Ion	Ratio	Lower	Upper
105	100		
120	47.3	44.9	67.3
91	10.3	58.6	88.0#

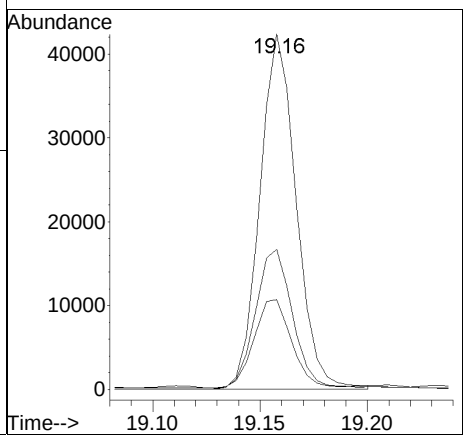


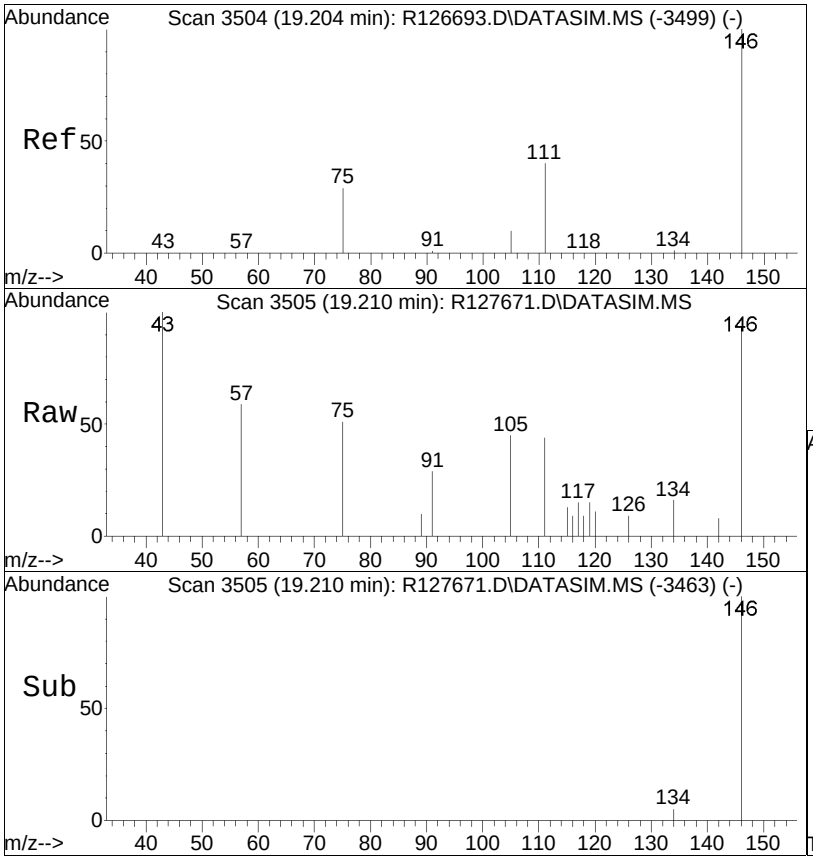


#71
1,3-dichlorobenzene
Concen: 0.93 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:146 Resp: 49752

Ion	Ratio	Lower	Upper
146	100		
111	39.4	29.5	44.3
75	25.3	19.5	29.3

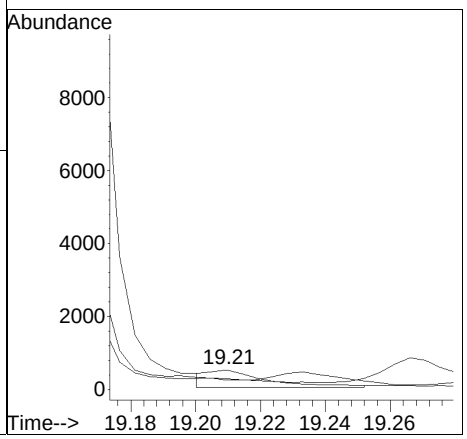


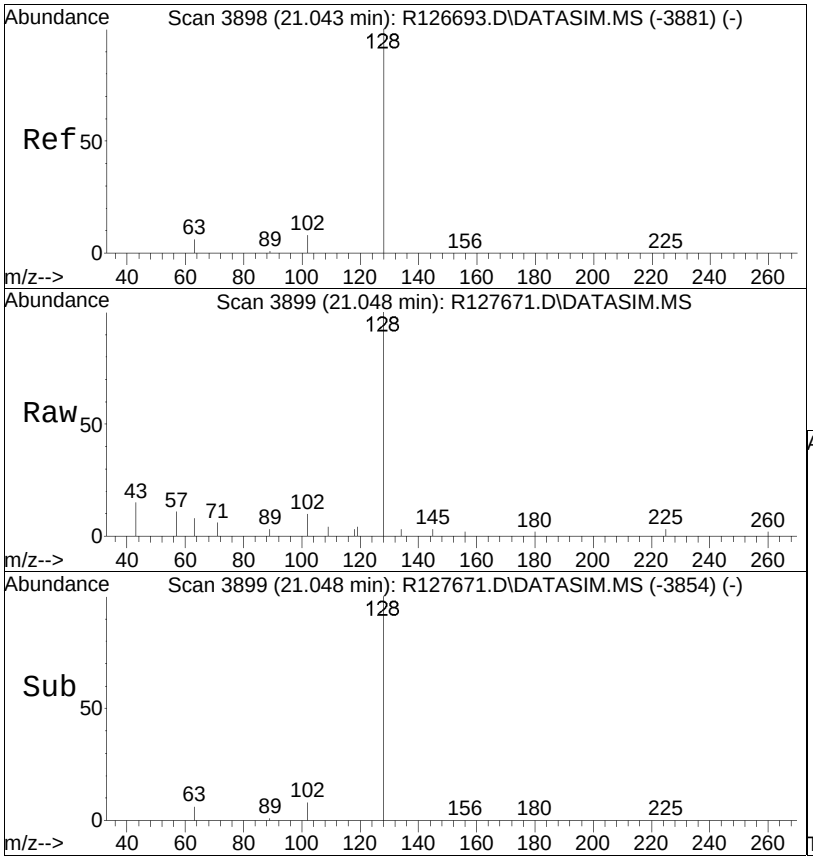


#72
1,4-dichlorobenzene
Concen: 0.01 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:146 Resp: 611

Ion	Ratio	Lower	Upper
146	100		
111	47.8	26.4	39.6#
75	54.7	18.0	27.0#

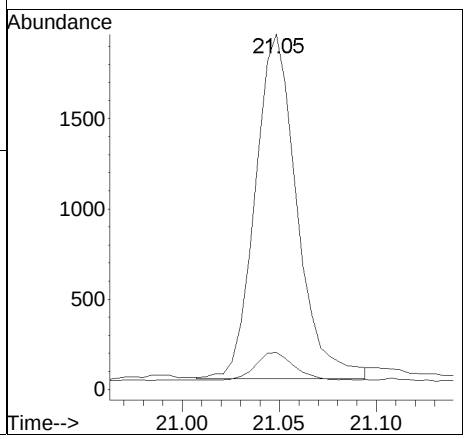




#78
naphthalene
Concen: 0.03 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127671.D
Acq: 15 Apr 2013 7:46 pm

Tgt Ion:128 Resp: 2859

Ion	Ratio	Lower	Upper
128	100		
102	10.4	6.2	9.2#

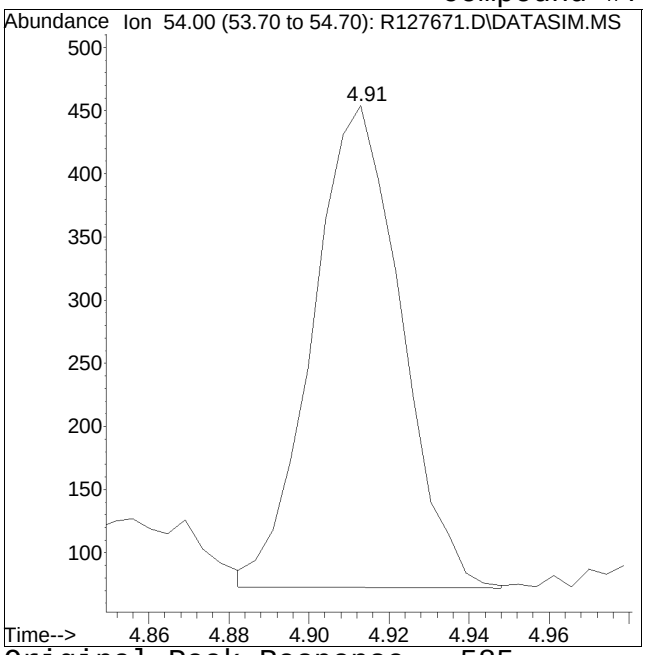


Manual Integration/Negative Proof Report

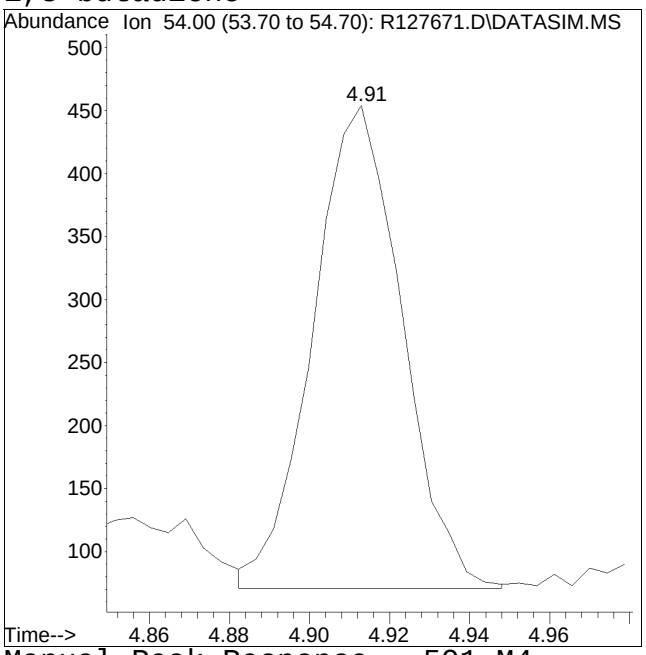
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #7: 1,3-butadiene



Original Peak Response = 585



Manual Peak Response = 591 M4

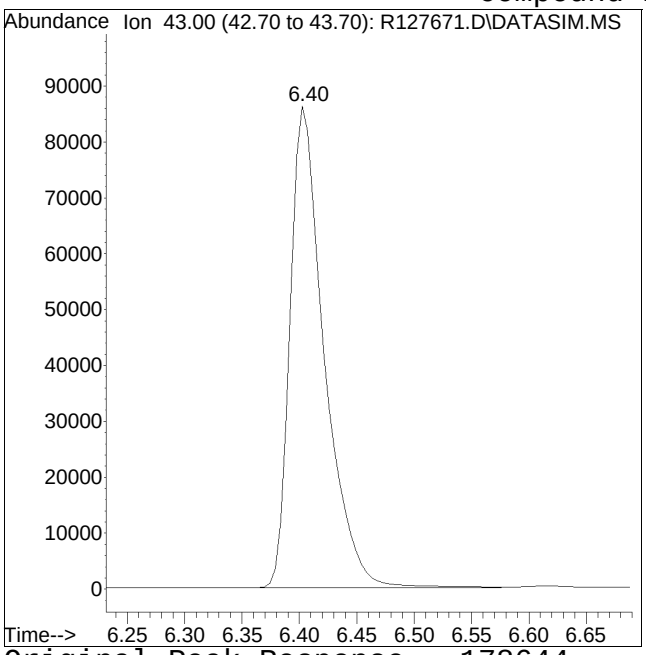
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

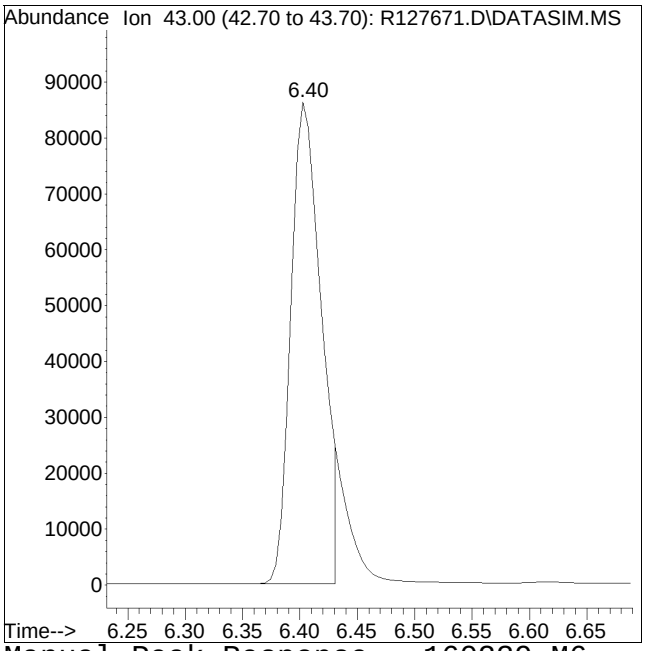
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #12: acetone



Original Peak Response = 178644



Manual Peak Response = 160239 M6

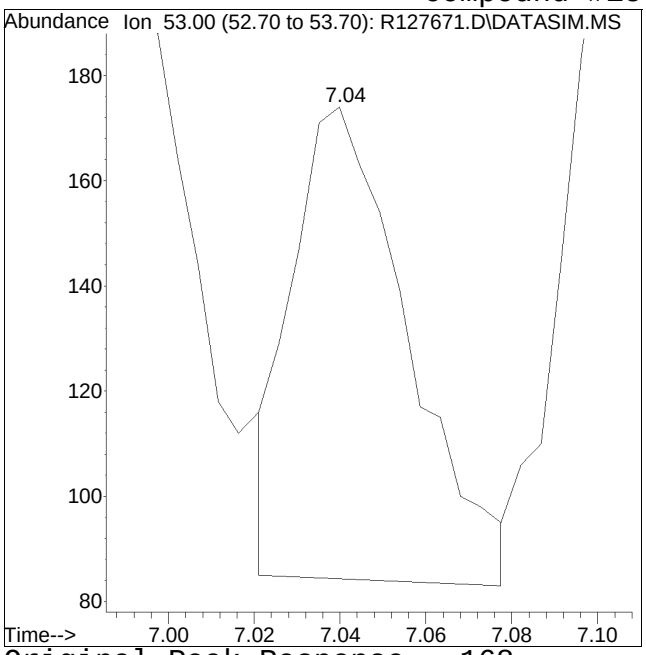
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

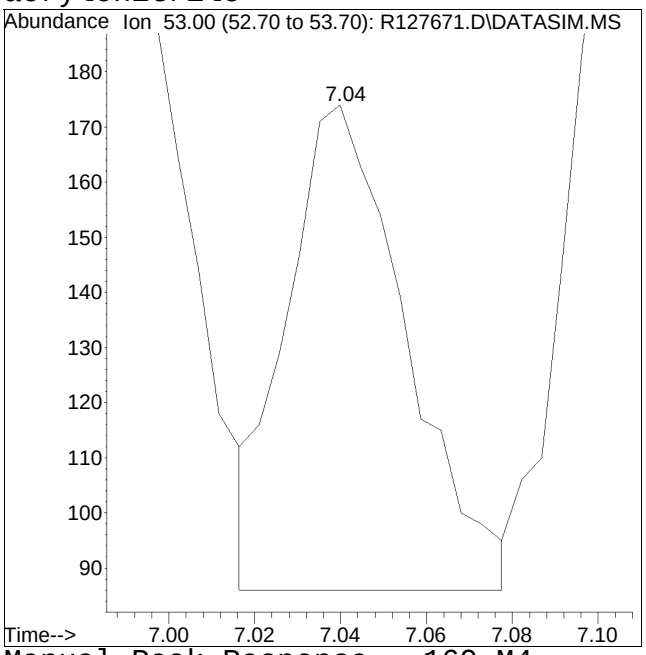
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #15: acrylonitrile



Original Peak Response = 168



Manual Peak Response = 169 M4

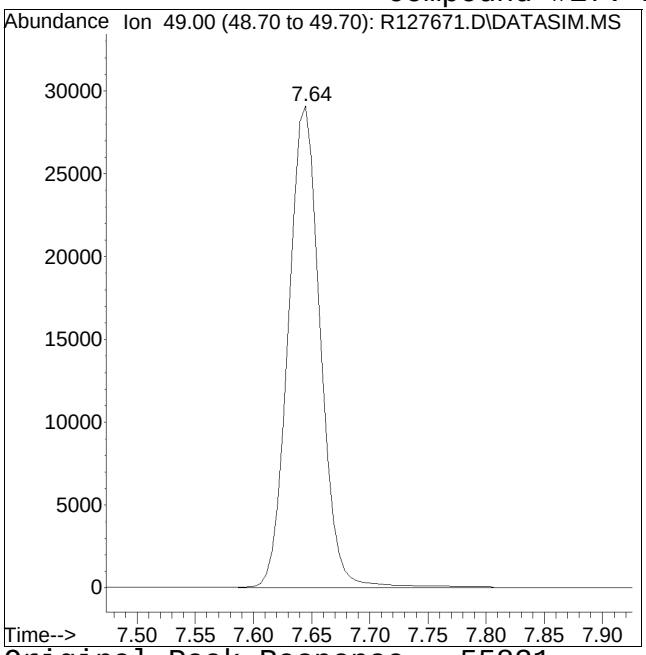
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

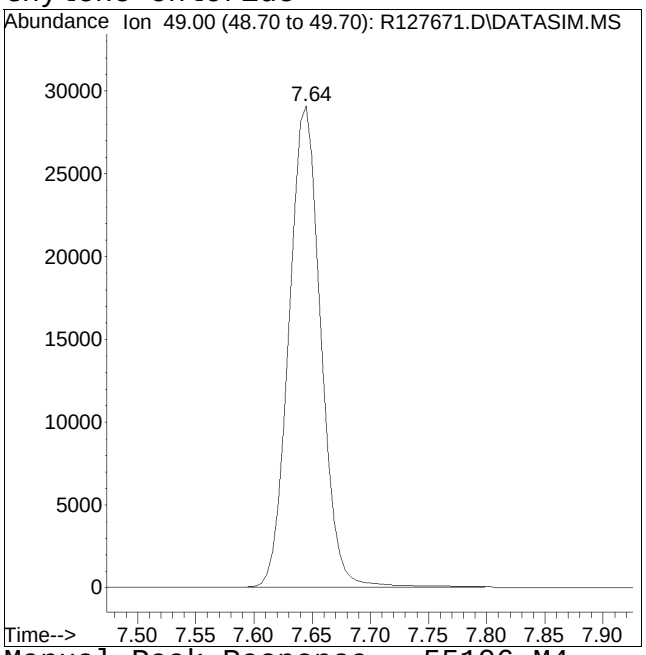
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #17: methylene chloride



Original Peak Response = 55831



Manual Peak Response = 55106 M4

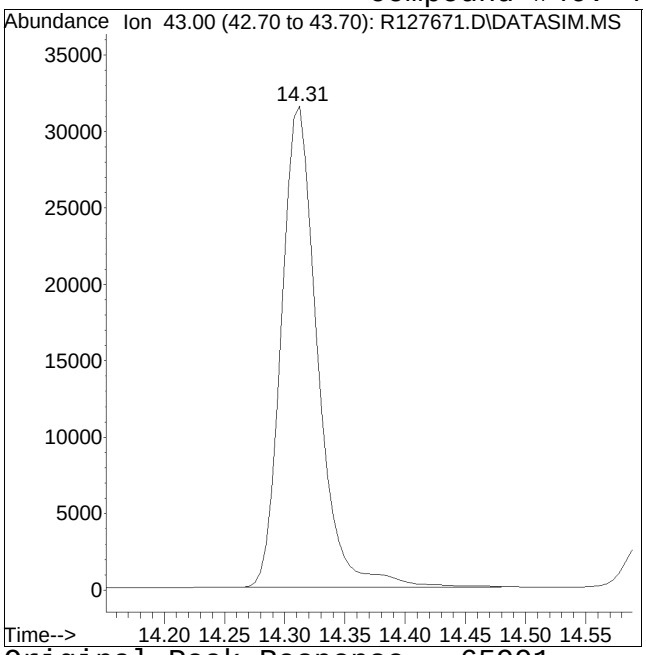
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

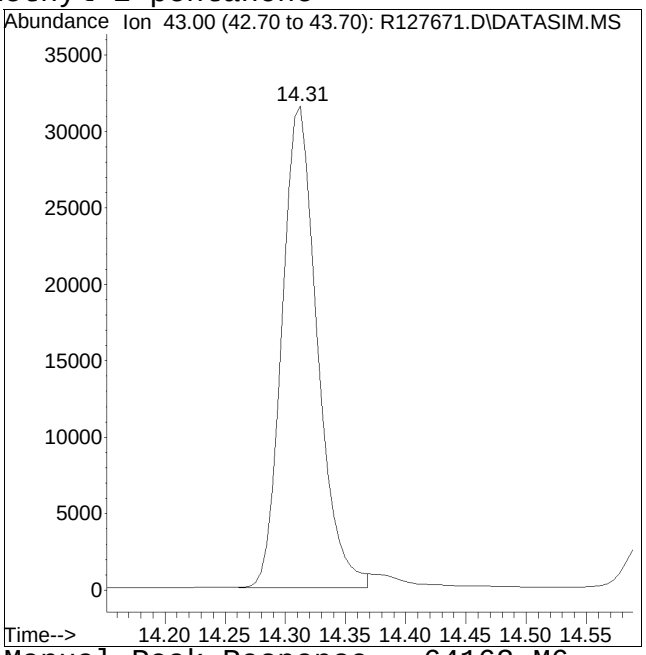
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 65991



Manual Peak Response = 64162 M6

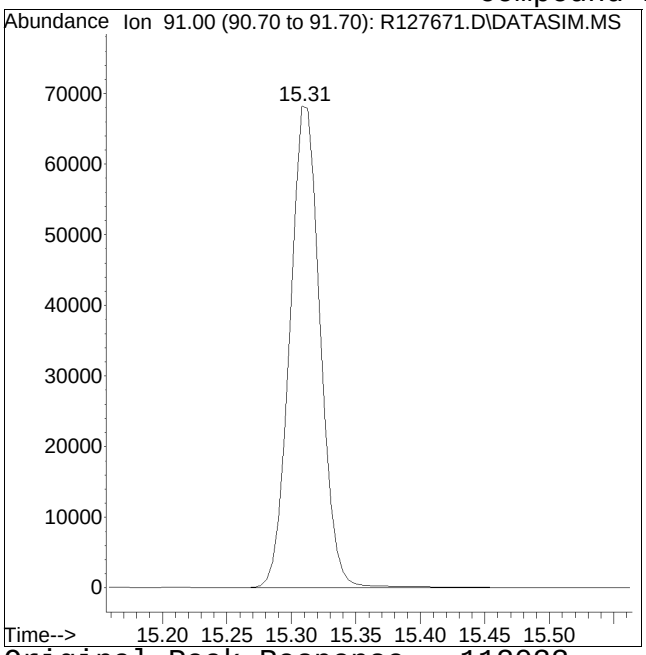
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

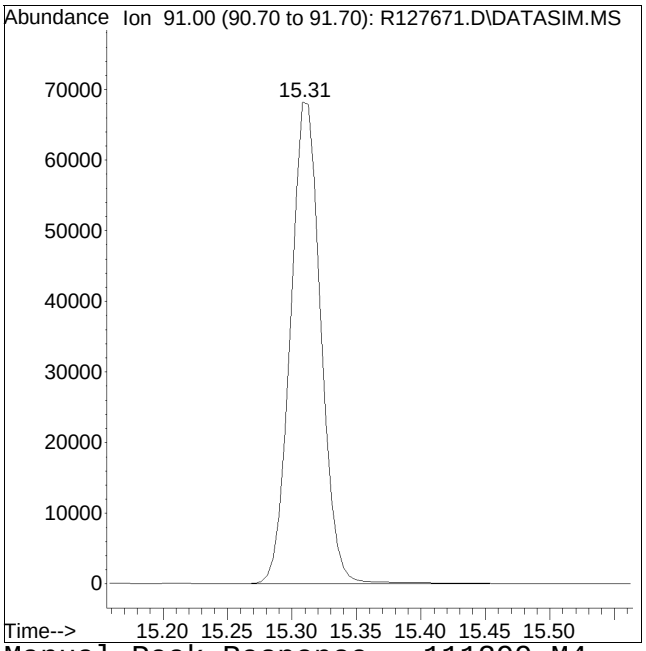
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #50: toluene



Original Peak Response = 112033



Manual Peak Response = 111299 M4

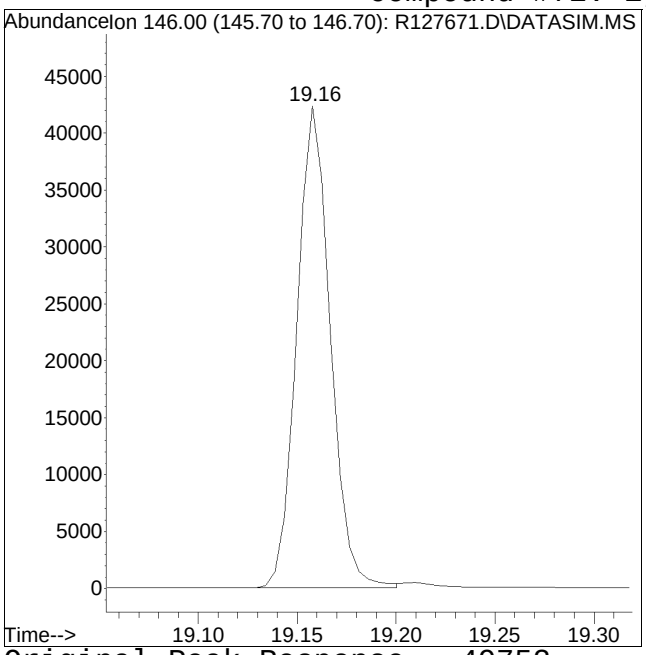
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

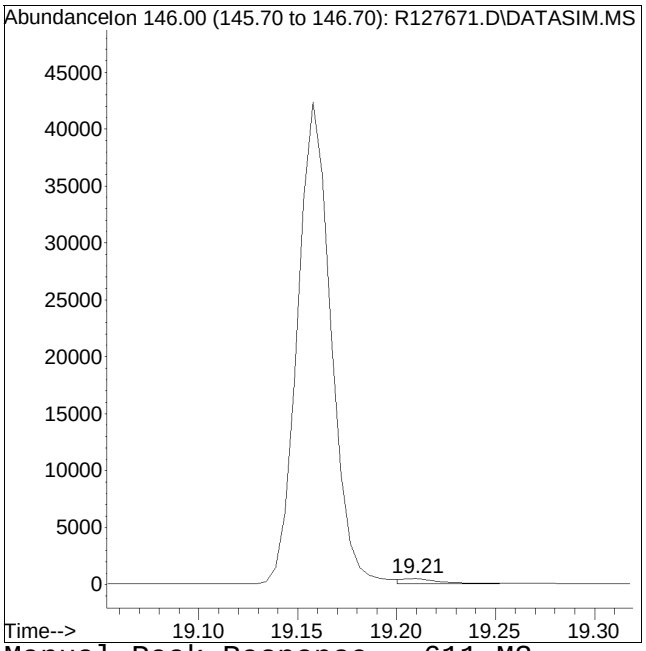
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 49752



Manual Peak Response = 611 M3

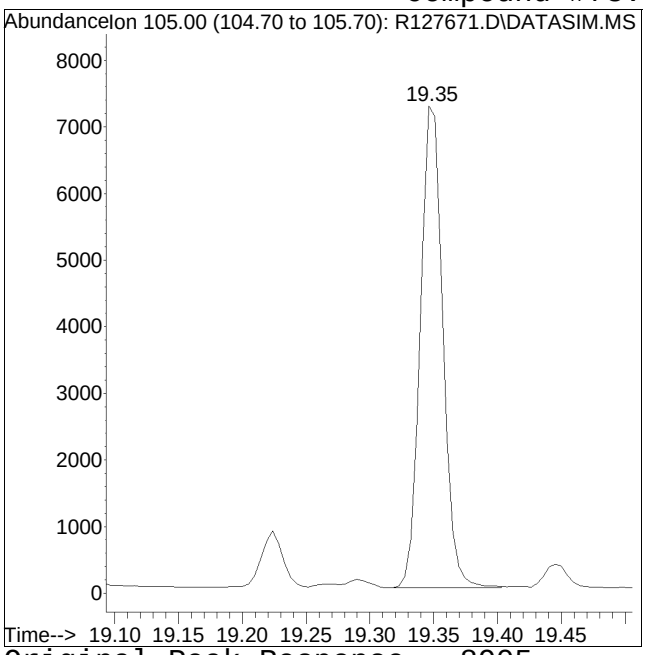
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

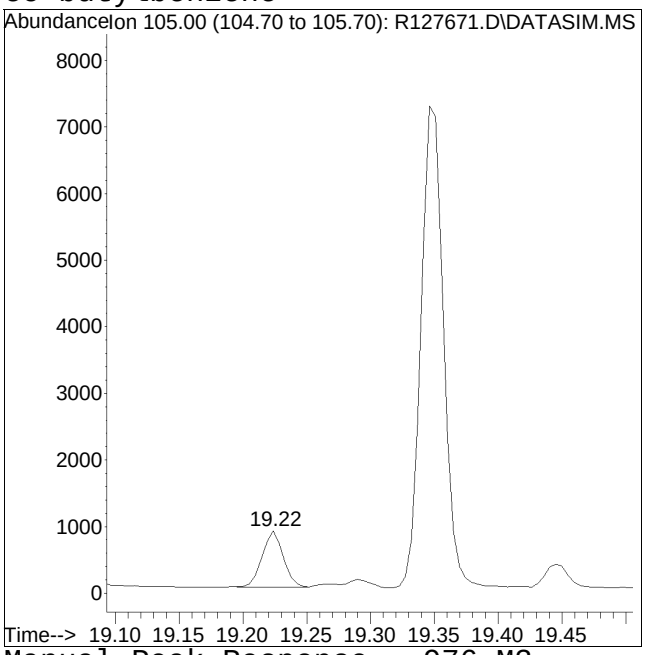
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #73: sec-butylbenzene



Original Peak Response = 8905



Manual Peak Response = 976 M3

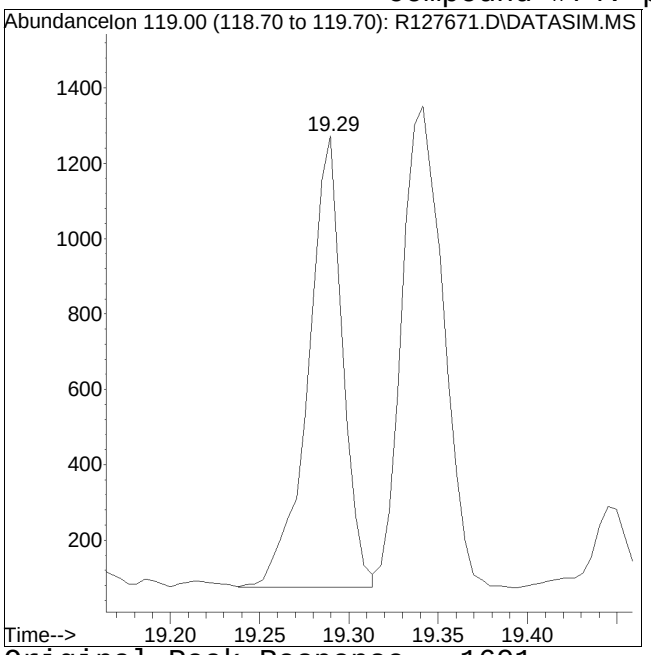
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

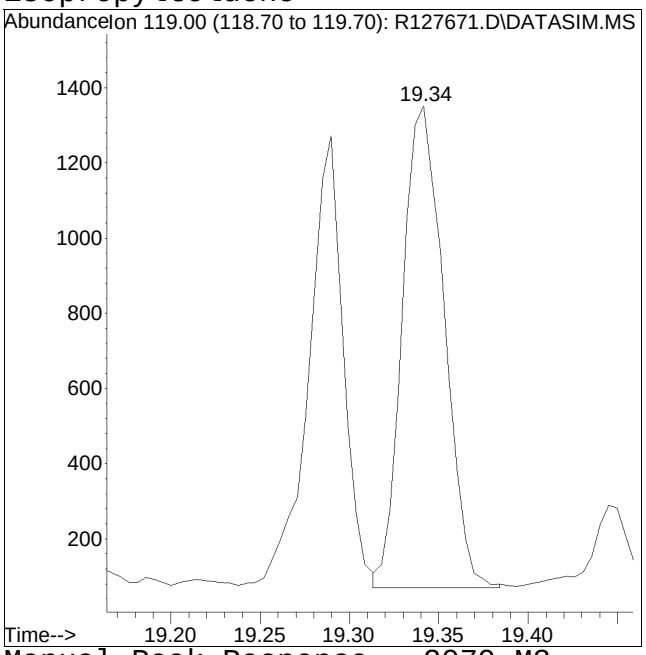
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #74: p-isopropyltoluene





Original Peak Response = 1601 Manual Peak Response = 2079 M3

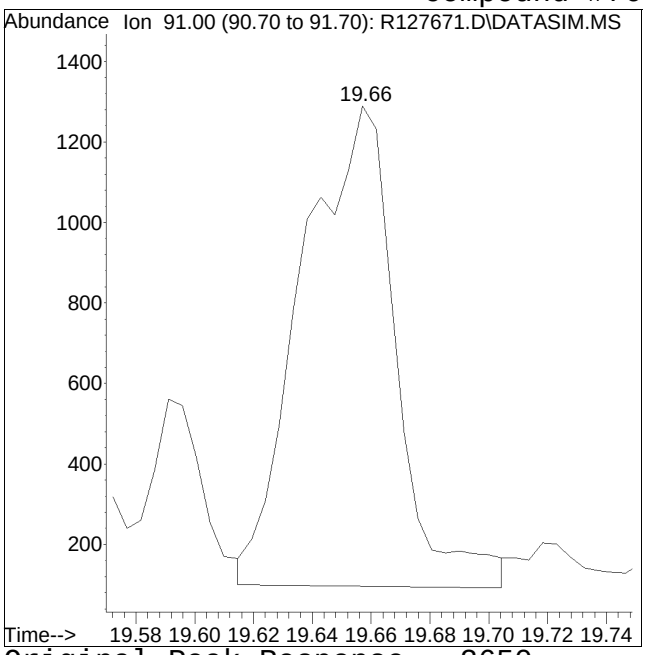
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

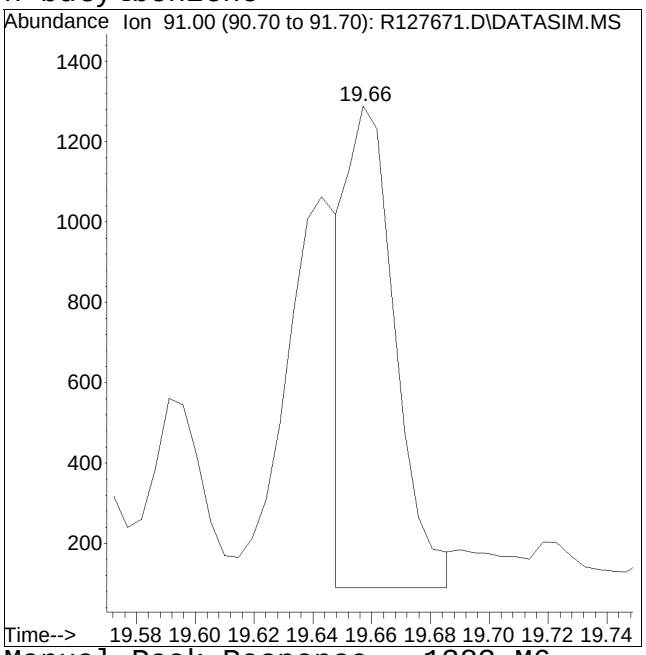
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #76: n-butylbenzene



Original Peak Response = 2650



Manual Peak Response = 1383 M6

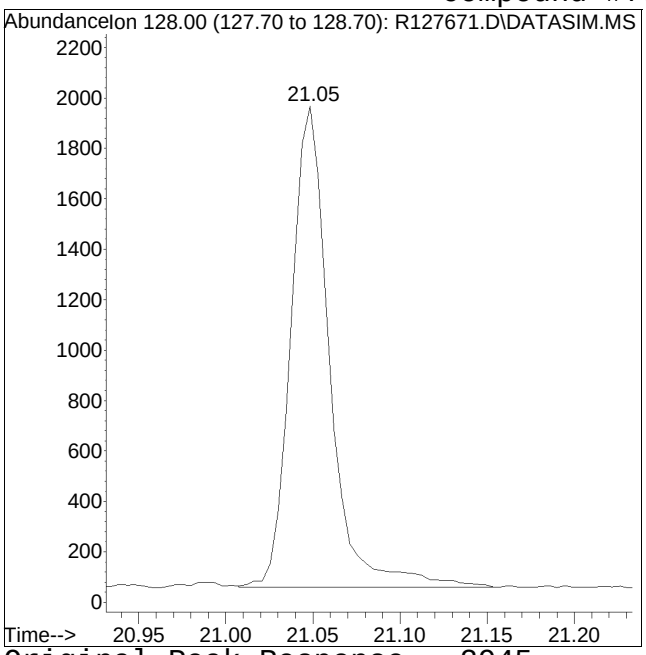
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

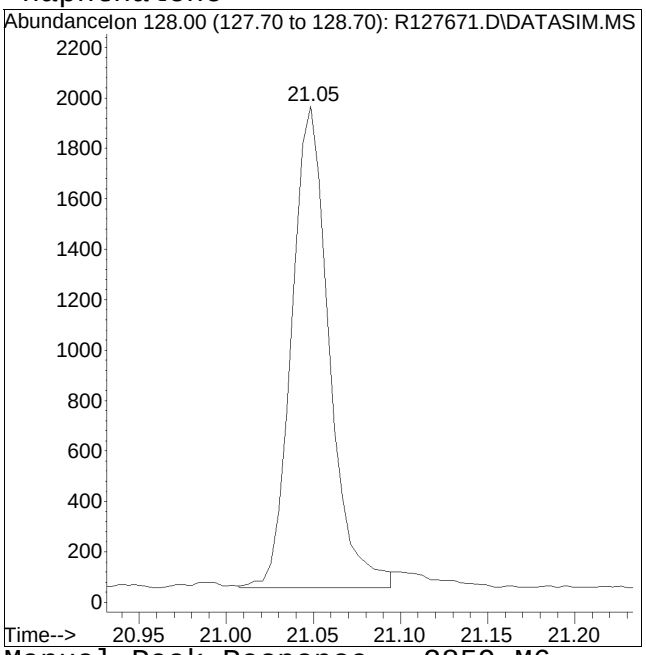
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127671.D
Date Inj'd : 4/15/2013 7:46 pm
Sample : L1306330-09D,3,125,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #78: naphthalene



Original Peak Response = 2945



Manual Peak Response = 2859 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127672.D
Acq On : 15 Apr 2013 8:17 pm
Operator : AIRPIANO1:MB
Sample : L1306330-10D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 17 11:23:10 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	241697	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 87.09%			
32) 1,4-difluorobenzene	12.49	114	570725	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 100.32%			
49) chlorobenzene-D5	16.90	54	138505	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 100.31%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	1949	0.062	ppbV	98
4) chloromethane	4.40		0	N.D.		
5) Freon-114	4.54		0	N.D.		
6) vinyl chloride	4.70		0	N.D.		
7) 1,3-butadiene	4.91	54	295	0.026	ppbV #	56
8) bromomethane	0.00		0	N.D.	d	
9) chloroethane	5.55		0	N.D.		
12) acetone	6.41	43	65353	2.499	ppbV #	98
13) trichlorofluoromethane	6.62	101	1075	0.029	ppbV	97
15) acrylonitrile	7.04	53	288M4	0.023	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64		0	N.D.		
20) Freon 113	7.99	101	224	0.009	ppbV #	86
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.14		0	N.D.		
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.58	43	24415	0.596	ppbV	98
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	417	0.015	ppbV #	51
31) 1,2-dichloroethane	11.15		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	1008	0.033	ppbV #	87
36) benzene	12.08	78	2284	0.051	ppbV	94
37) carbon tetrachloride	12.25	117	864343	25.797	ppbV	100
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	13.22		0	N.D.		
42) trichloroethene	13.29		0	N.D.		
45) cis-1,3-dichloropropene	14.25		0	N.D.		
46) 4-methyl-2-pentanone	14.34	43	7769	0.152	ppbV	99
47) trans-1,3-dichloropropene	14.82		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127672.D
Acq On : 15 Apr 2013 8:17 pm
Operator : AIRPIANO1:MB
Sample : L1306330-10D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 17 11:23:10 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

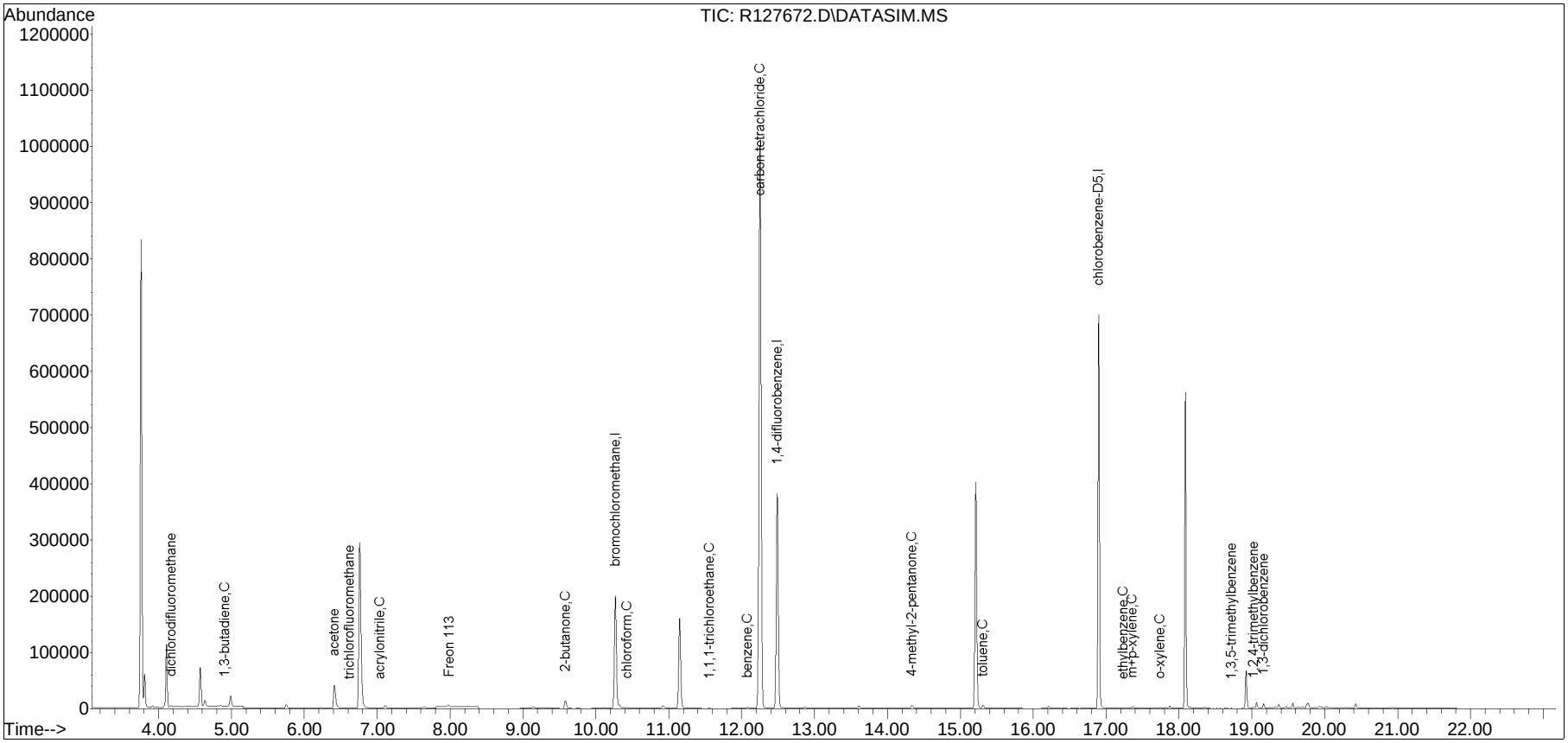
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	4688	0.083	ppbV	97
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.86		0	N.D.		
55) tetrachloroethene	16.37		0	N.D.		
56) 1,1,1,2-tetrachloroethane	16.89		0	N.D.		
57) chlorobenzene	16.94		0	N.D.		
58) ethylbenzene	17.23	91	769	0.011	ppbV	92
59) m+p-xylene	17.36	91	1857	0.033	ppbV	98
60) bromoform	17.46		0	N.D.		
61) styrene	17.66		0	N.D.		
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.		
63) o-xylene	17.74	91	868	0.015	ppbV	91
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.67		0	N.D.		
67) 1,3,5-trimethylbenzene	18.72	105	442	0.006	ppbV #	85
69) 1,2,4-trimethylbenzene	19.03	105	1425	0.020	ppbV #	55
71) 1,3-dichlorobenzene	19.16	146	5403	0.103	ppbV	99
72) 1,4-dichlorobenzene	19.21		0	N.D.		
73) sec-butylbenzene	19.22		0	N.D.		
74) p-isopropyltoluene	19.34		0	N.D.		
75) 1,2-dichlorobenzene	19.47		0	N.D.		
76) n-butylbenzene	19.66		0	N.D.		
77) 1,2,4-trichlorobenzene	20.93		0	N.D.		
78) naphthalene	21.05		0	N.D.		
79) 1,2,3-trichlorobenzene	21.31		0	N.D.		
80) hexachlorobutadiene	21.35		0	N.D.		

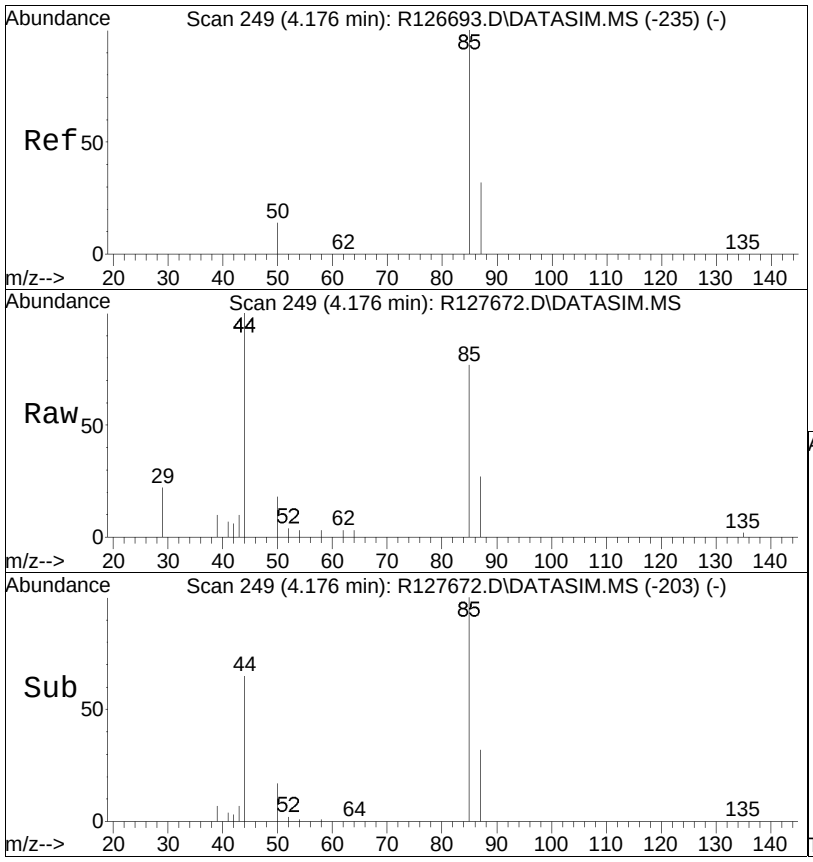
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127672.D
Acq On : 15 Apr 2013 8:17 pm
Operator : AIRPIANO1:MB
Sample : L1306330-10D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 17 11:23:10 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

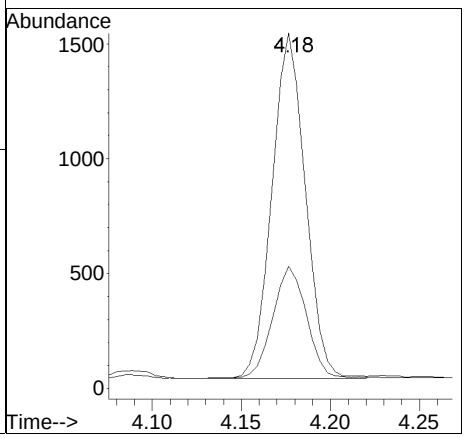


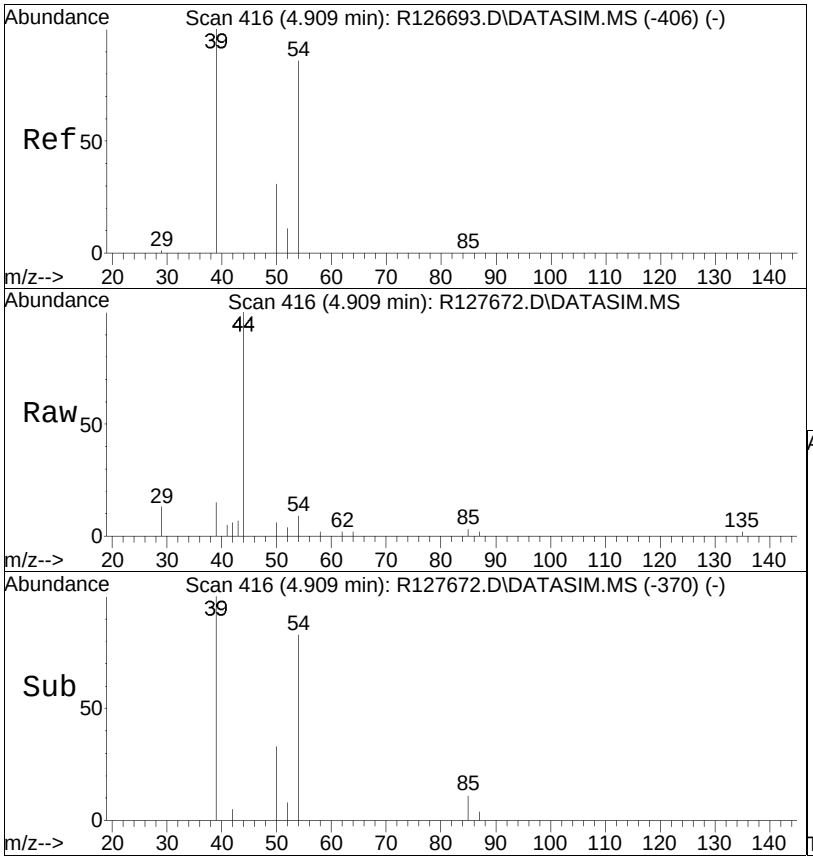


#3
dichlorodifluoromethane
Concen: 0.06 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 85 Resp: 1949

Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.6	40.0

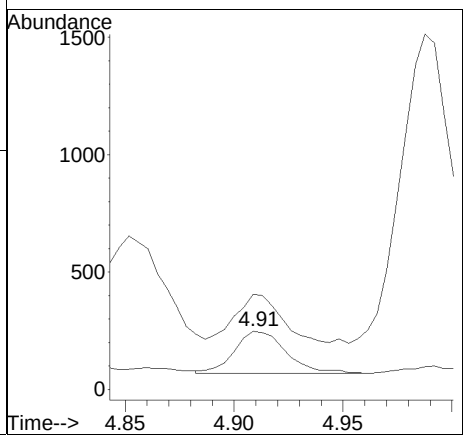


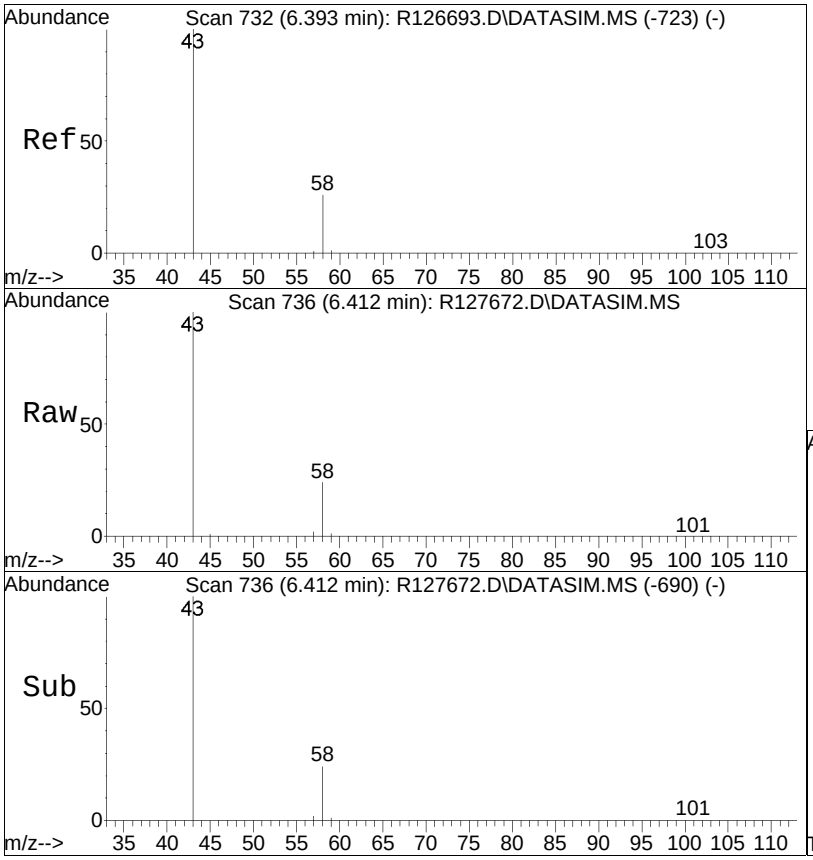


#7
1,3-butadiene
Concen: 0.03 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 54 Resp: 295

Ion	Ratio	Lower	Upper
54	100		
39	163.7	92.4	138.6#

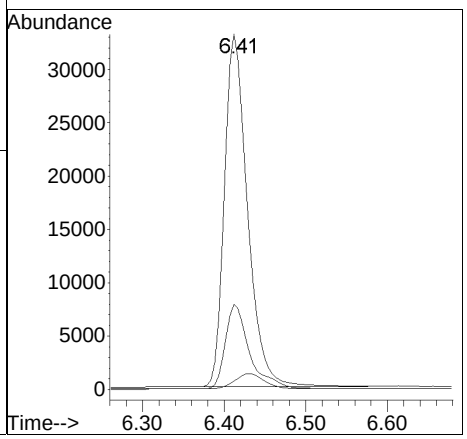


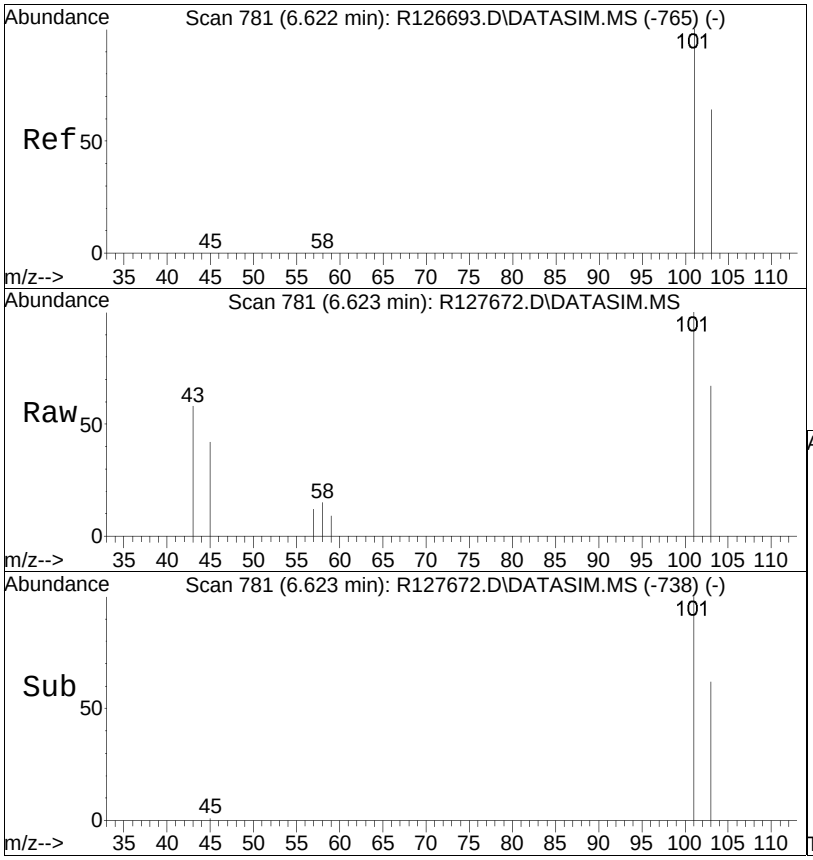


#12
acetone
Concen: 2.50 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 43 Resp: 65353

Ion	Ratio	Lower	Upper
43	100		
58	24.0	20.0	30.0
57	2.4	0.6	1.0#

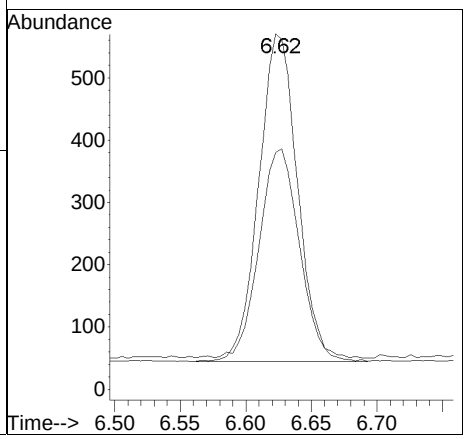


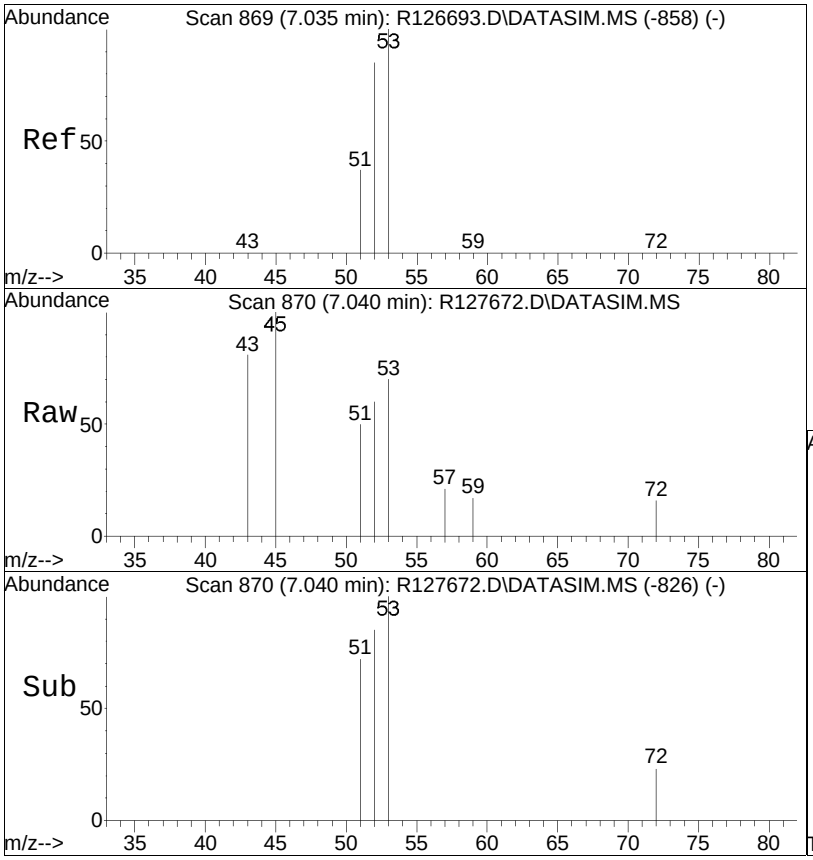


#13
trichlorofluoromethane
Concen: 0.03 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion:101 Resp: 1075

Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.6	77.4

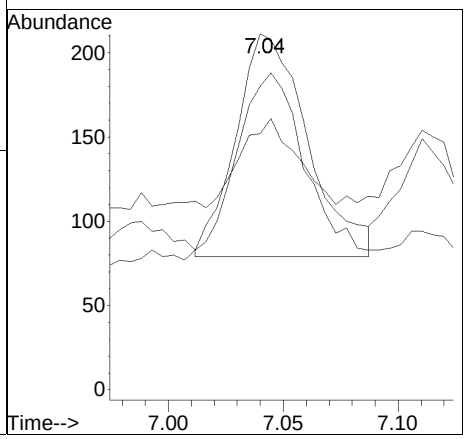


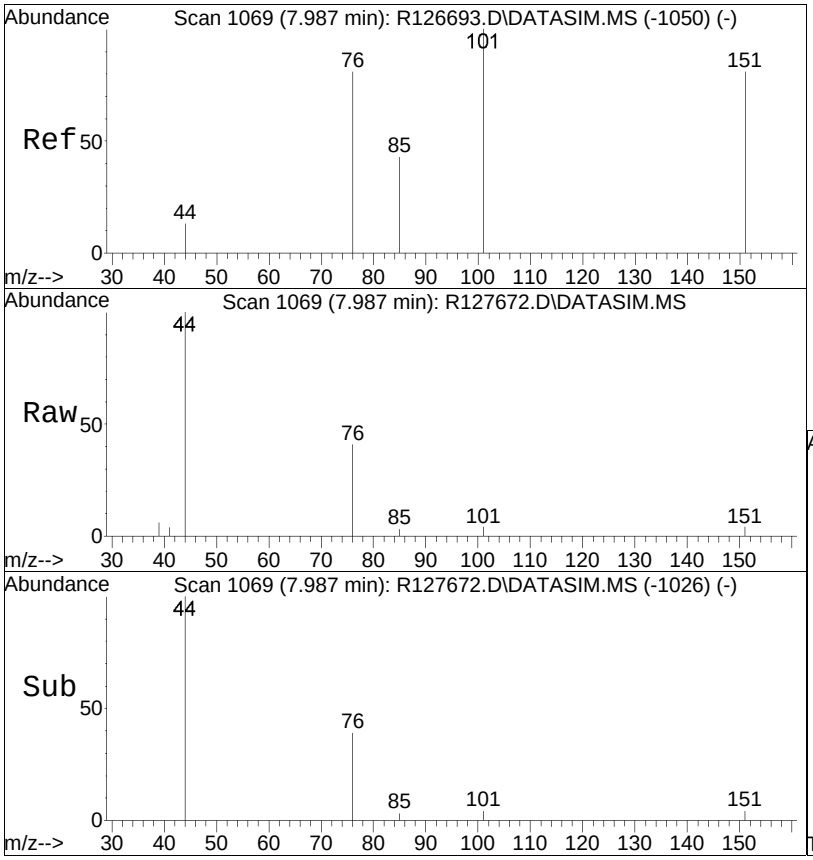


#15
acrylonitrile
Concen: 0.02 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 53 Resp: 288

Ion	Ratio	Lower	Upper
53	100		
52	85.3	68.5	102.7
51	72.0	30.1	45.1#

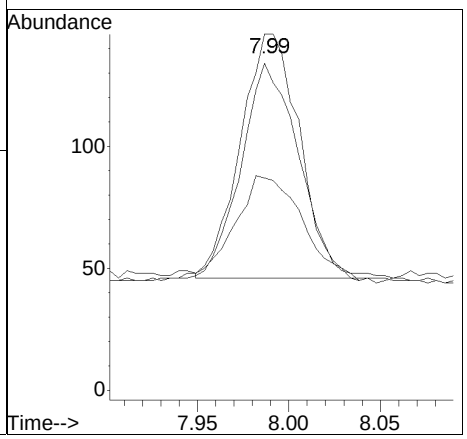


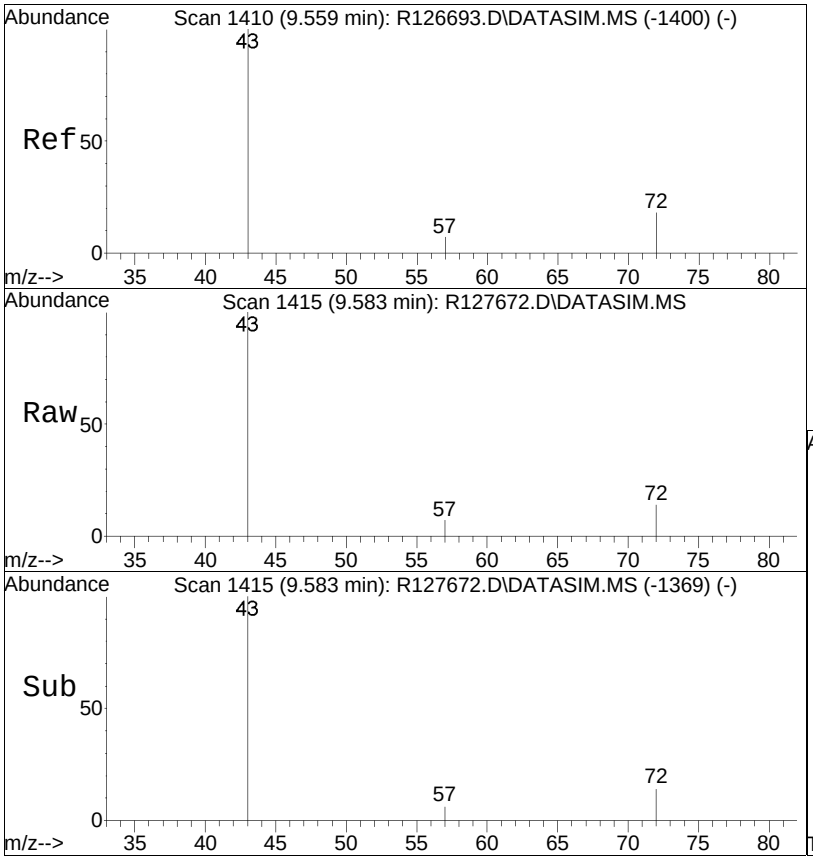


#20
Freon 113
Concen: 0.01 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion:101 Resp: 224

Ion	Ratio	Lower	Upper
101	100		
85	59.6	34.2	51.2#
151	91.8	67.8	101.8

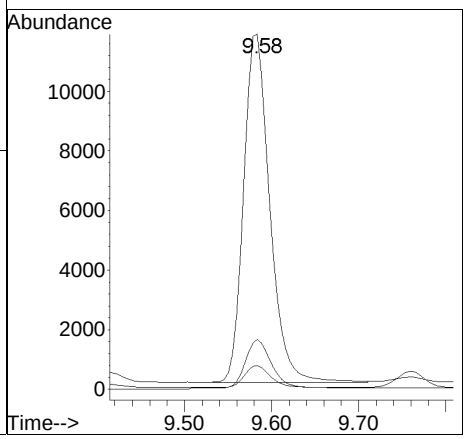


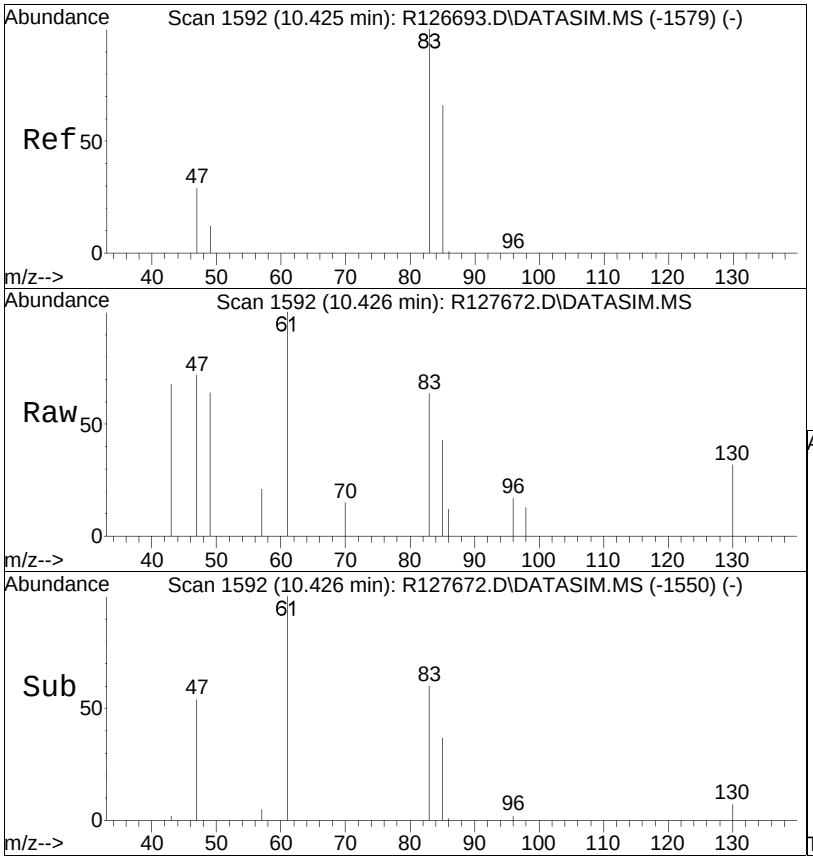


#26
2-butanone
Concen: 0.60 ppbV
RT: 9.58 min Scan# 1415
Delta R.T. 0.019 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 43 Resp: 24415

Ion	Ratio	Lower	Upper
43	100		
72	14.1	12.0	18.0
57	6.7	5.2	7.8

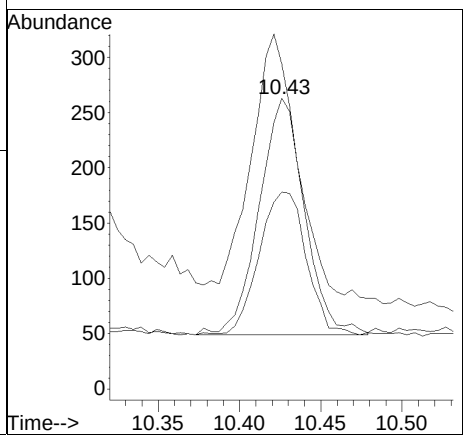


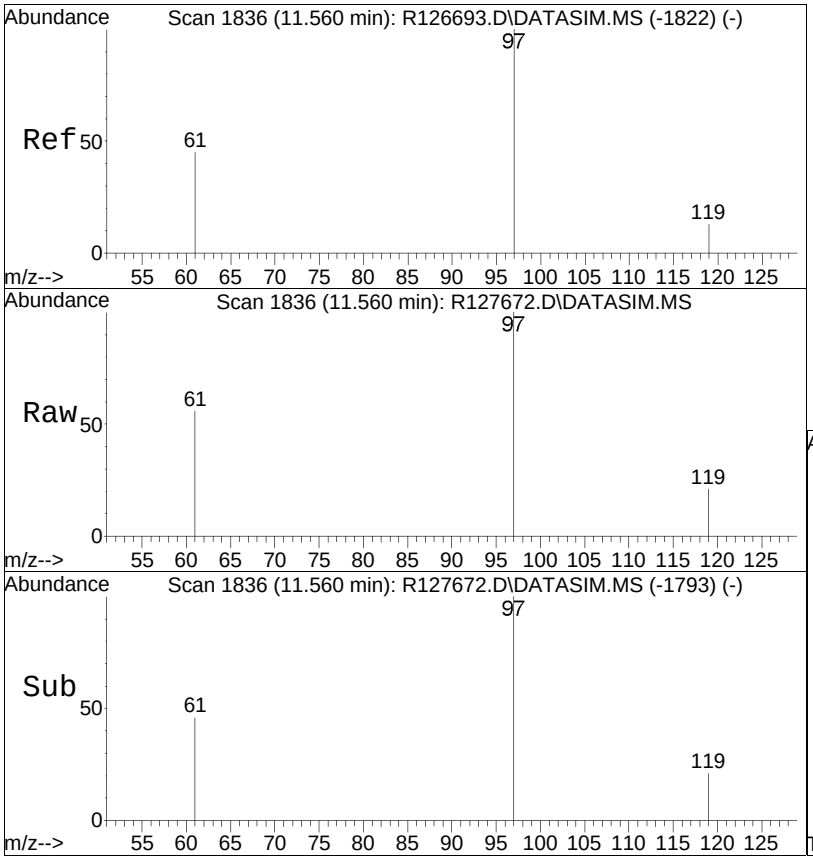


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 83 Resp: 417

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.2	78.2
47	111.8	26.4	39.6#

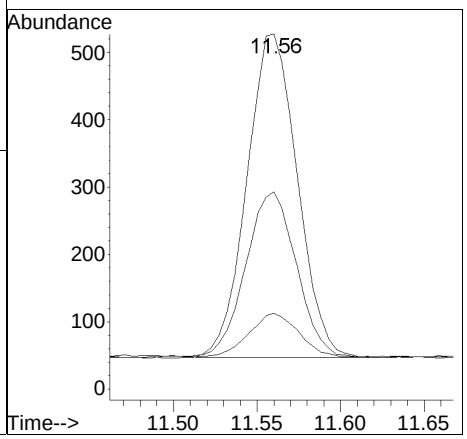


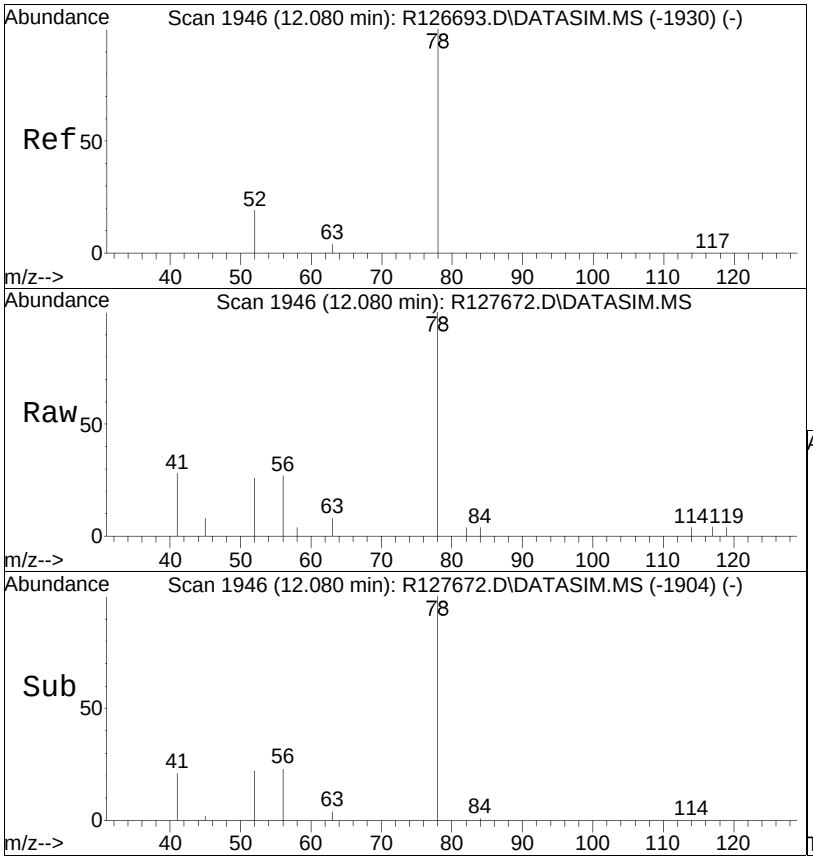


#35
1,1,1-trichloroethane
Concen: 0.03 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 97 Resp: 1008

Ion	Ratio	Lower	Upper
97	100		
61	55.6	38.6	58.0
119	21.4	11.0	16.6#

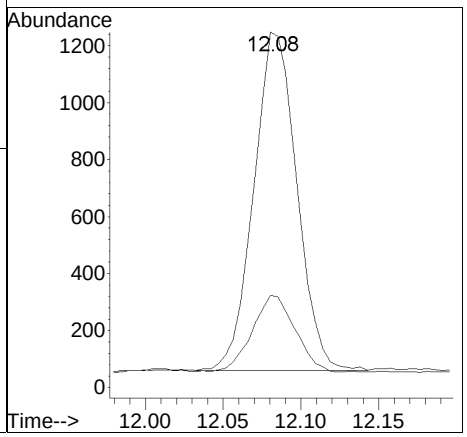


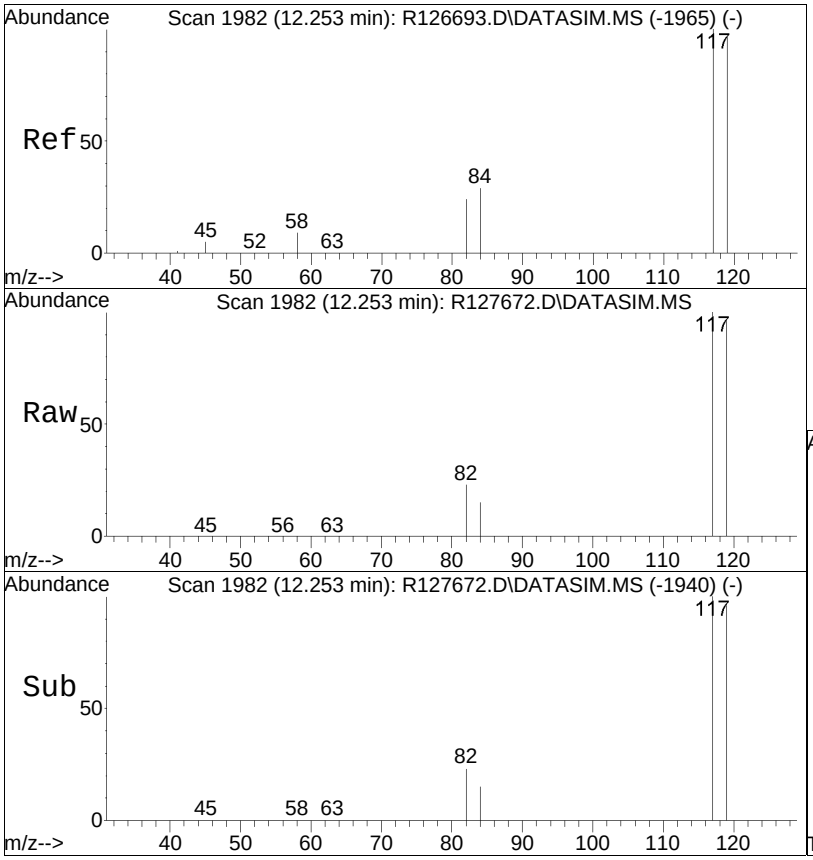


#36
benzene
Concen: 0.05 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 78 Resp: 2284

Ion	Ratio	Lower	Upper
78	100		
52	26.0	18.5	27.7

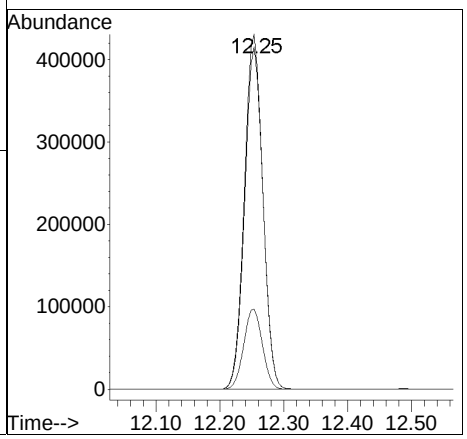


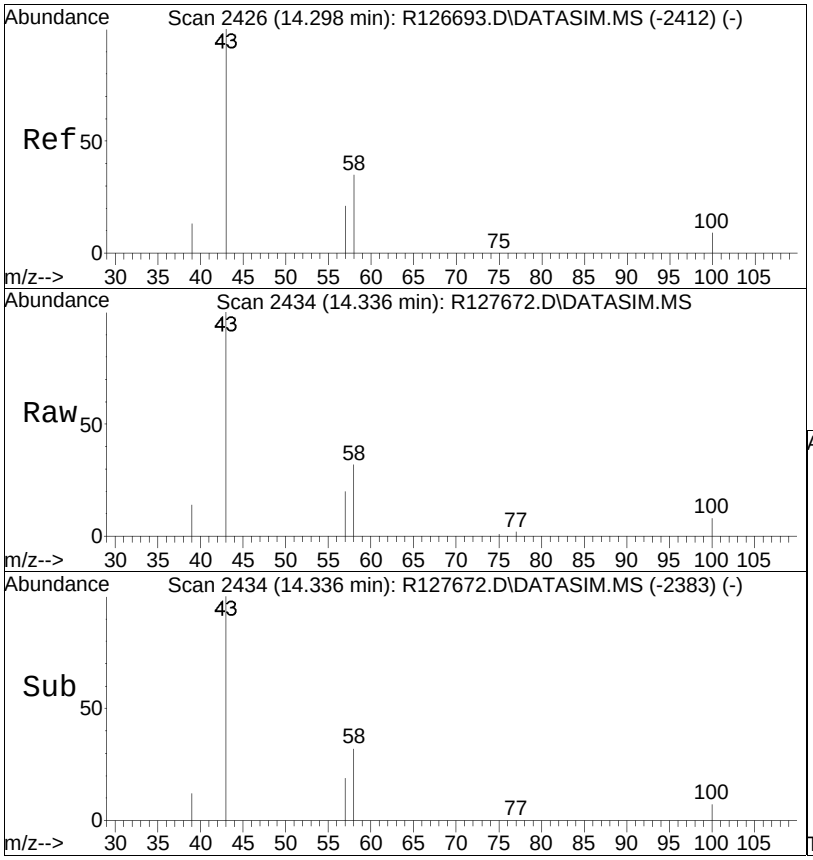


#37
carbon tetrachloride
Concen: 25.80 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion:117 Resp: 864343

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.4	116.0
82	22.6	18.2	27.2

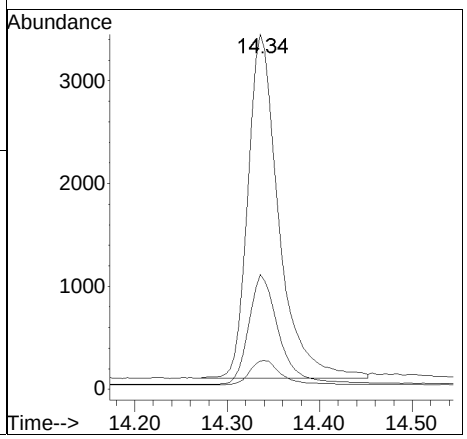


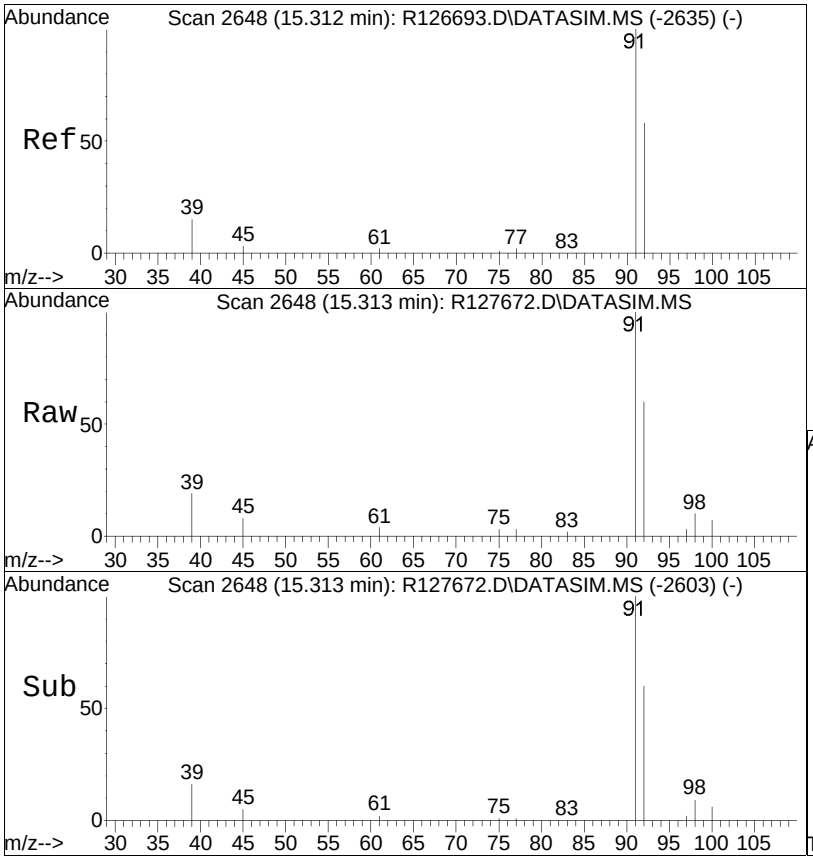


#46
4-methyl-2-pentanone
Concen: 0.15 ppbV
RT: 14.34 min Scan# 2434
Delta R.T. 0.037 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 43 Resp: 7769

Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.0	39.0
100	8.0	5.8	8.6

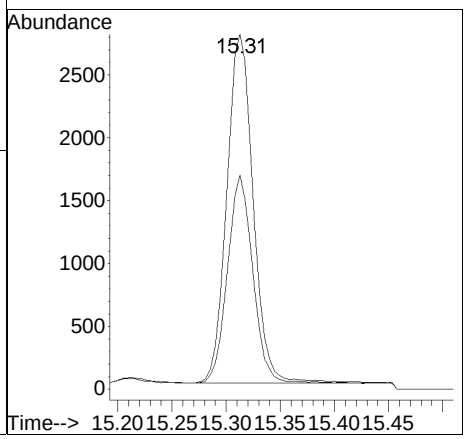


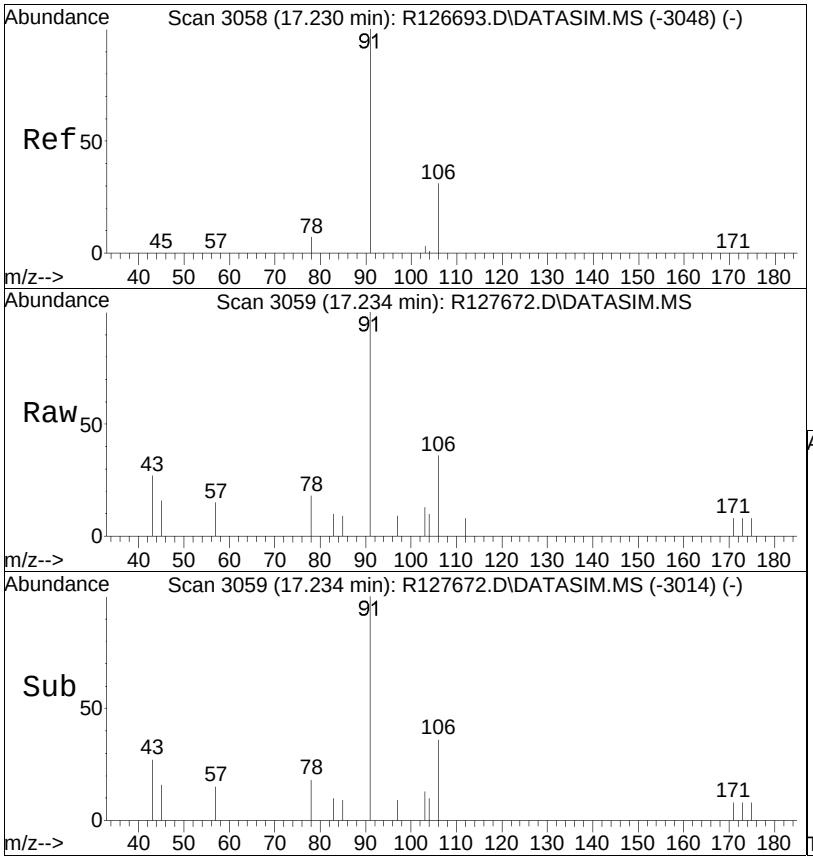


#50
toluene
Concen: 0.08 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 91 Resp: 4688

Ion	Ratio	Lower	Upper
91	100		
92	60.4	46.4	69.6

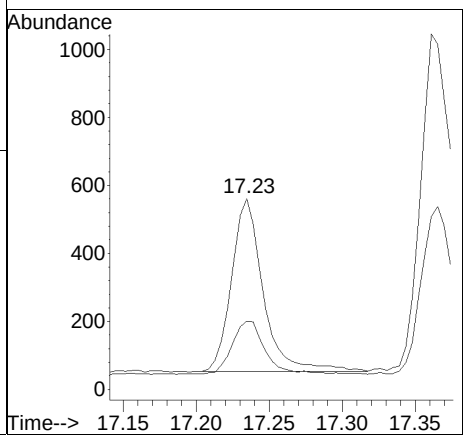


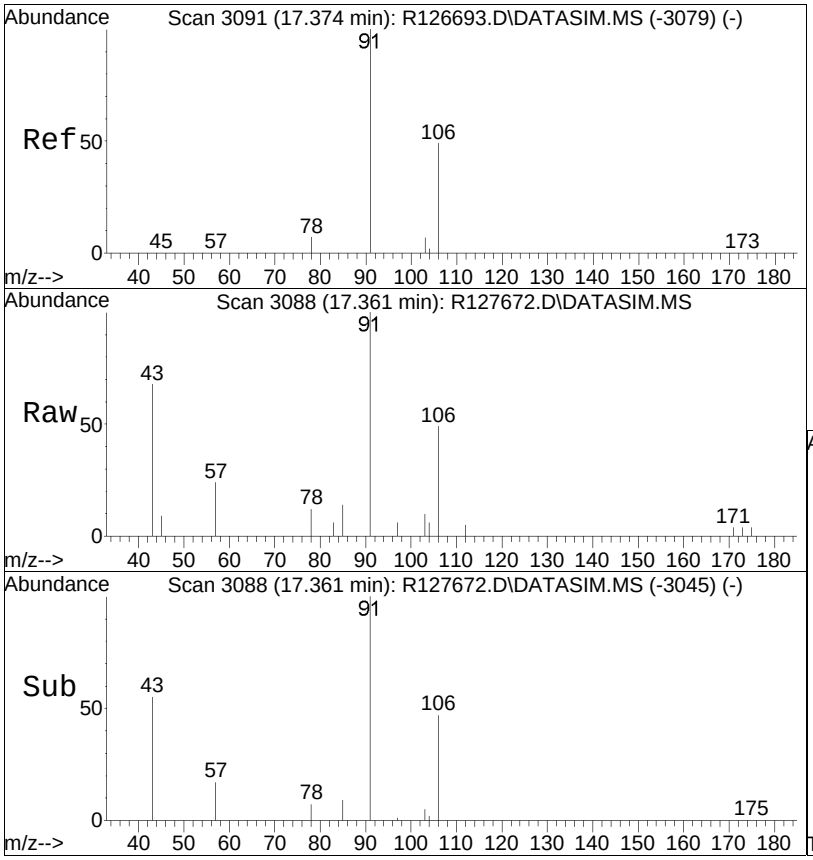


#58
ethylbenzene
Concen: 0.01 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.005 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 91 Resp: 769

Ion	Ratio	Lower	Upper
91	100		
106	35.8	25.3	37.9

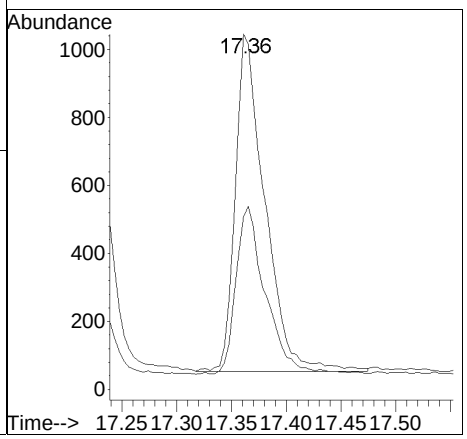


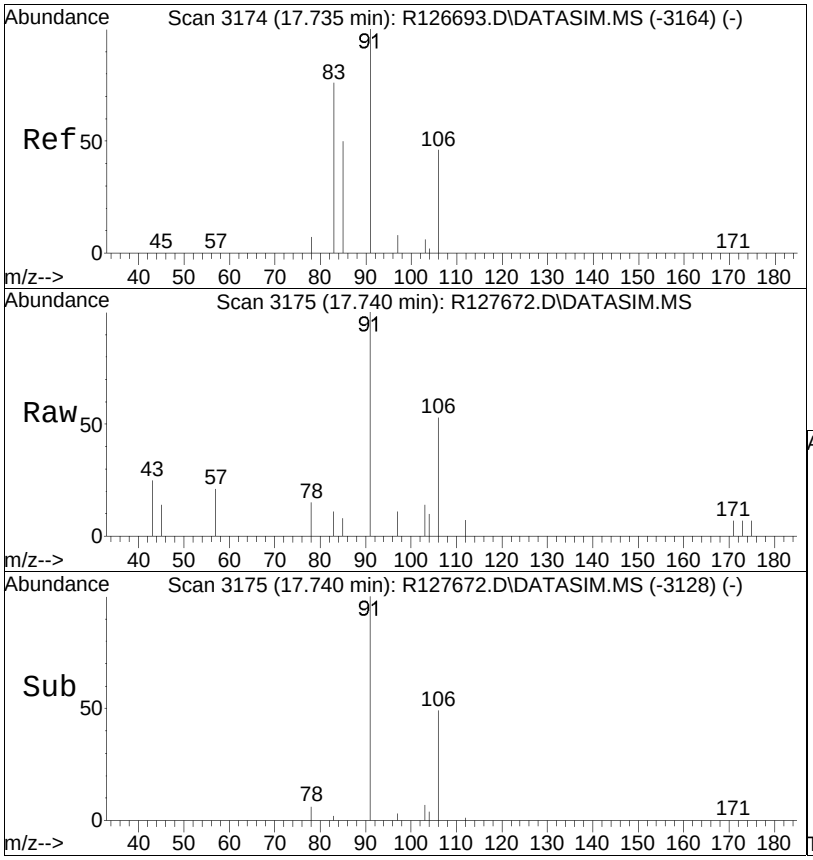


#59
m+p-xylene
Concen: 0.03 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 91 Resp: 1857

Ion	Ratio	Lower	Upper
91	100		
106	48.7	40.0	60.0

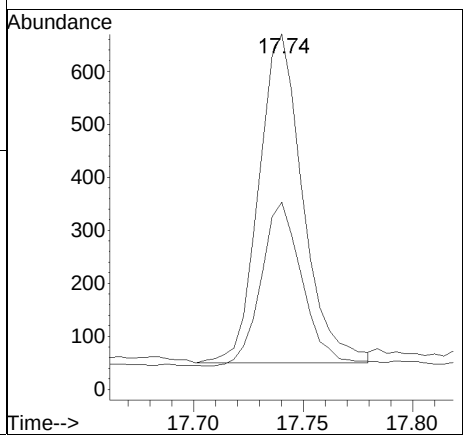


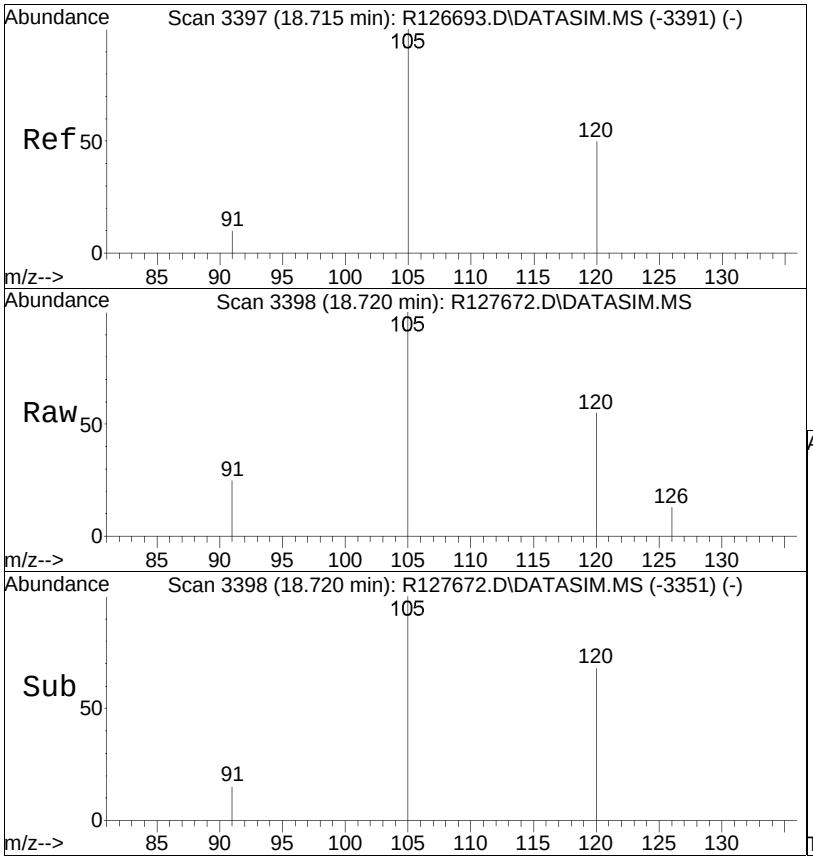


#63
o-xylene
Concen: 0.01 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.005 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion: 91 Resp: 868

Ion	Ratio	Lower	Upper
91	100		
106	52.7	37.1	55.7

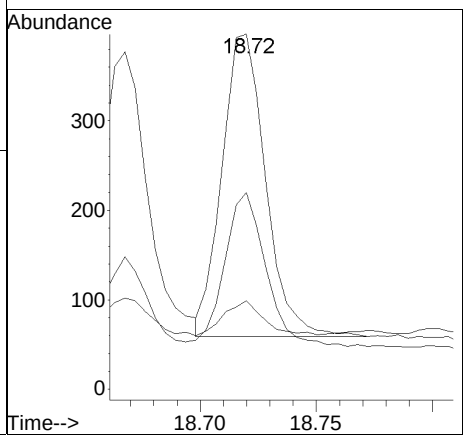


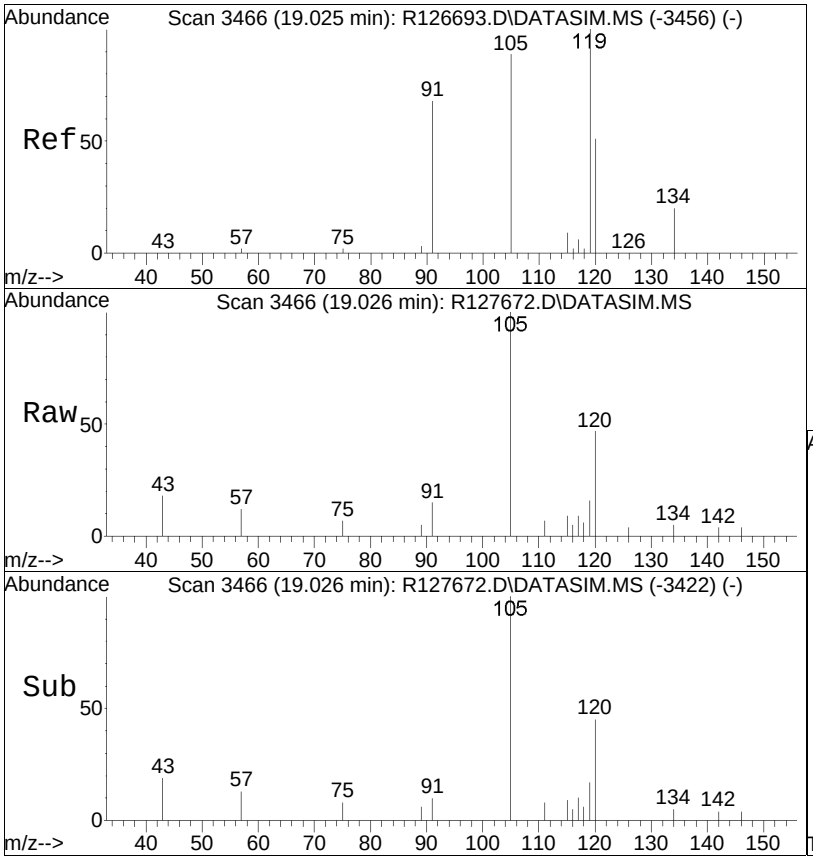


#67
1,3,5-trimethylbenzene
Concen: 0.01 ppbV
RT: 18.72 min Scan# 3398
Delta R.T. 0.005 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion:105 Resp: 442

Ion	Ratio	Lower	Upper
105	100		
120	55.4	39.0	58.4
91	24.9	8.0	12.0#

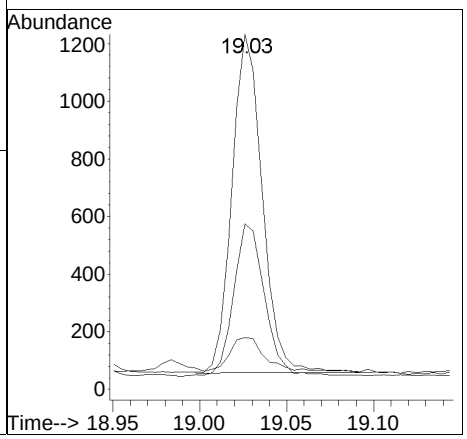


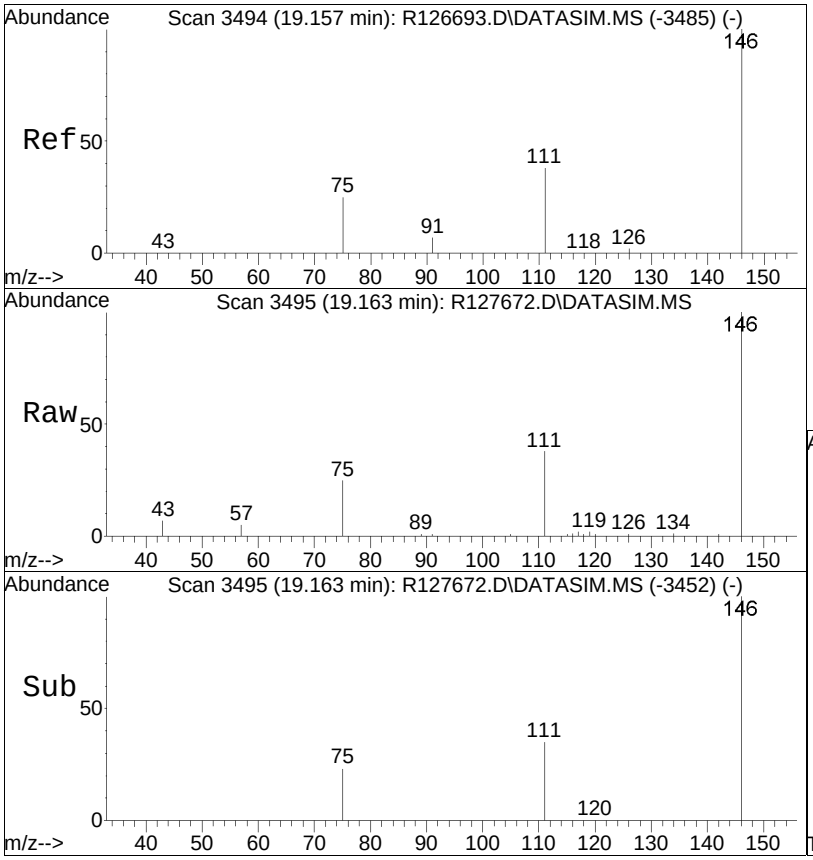


#69
1,2,4-trimethylbenzene
Concen: 0.02 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion:105 Resp: 1425

Ion	Ratio	Lower	Upper
105	100		
120	46.6	44.9	67.3
91	14.6	58.6	88.0#

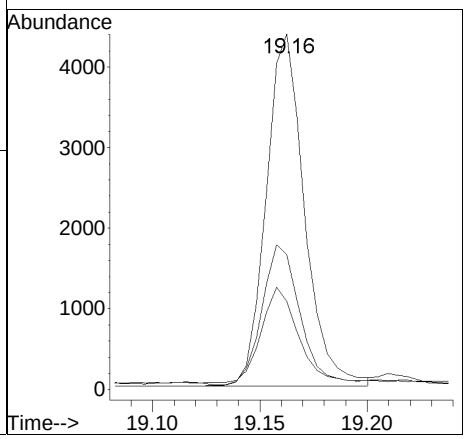




#71
1,3-dichlorobenzene
Concen: 0.10 ppbV
RT: 19.16 min Scan# 3495
Delta R.T. 0.005 min
Lab File: R127672.D
Acq: 15 Apr 2013 8:17 pm

Tgt Ion:146 Resp: 5403

Ion	Ratio	Lower	Upper
146	100		
111	37.9	29.5	44.3
75	24.8	19.5	29.3

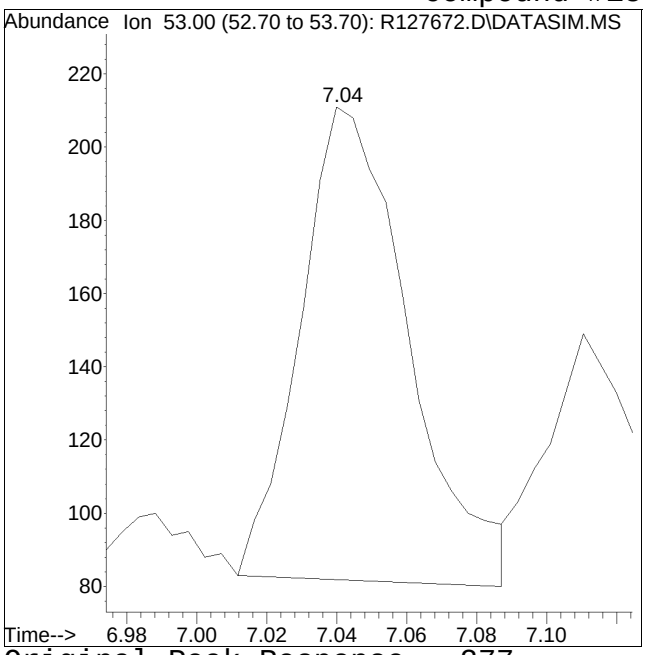


Manual Integration/Negative Proof Report

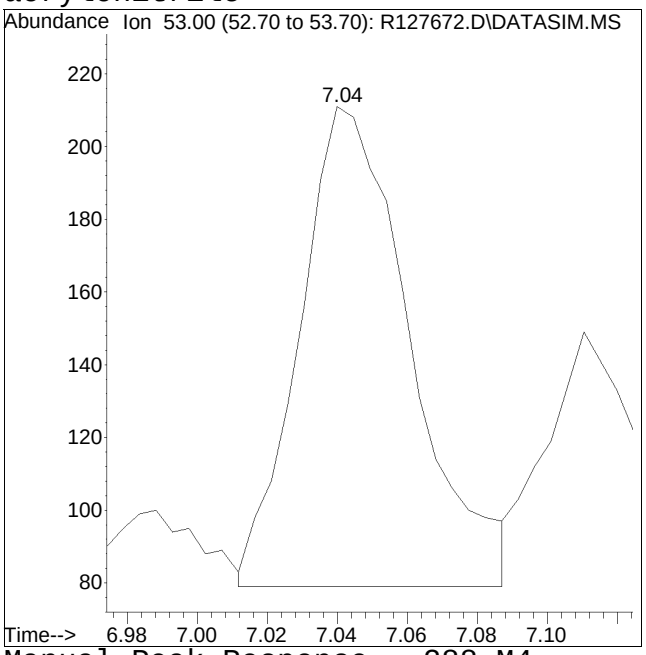
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127672.D
Date Inj'd : 4/15/2013 8:17 pm
Sample : L1306330-10D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #15: acrylonitrile



Original Peak Response = 277



Manual Peak Response = 288 M4

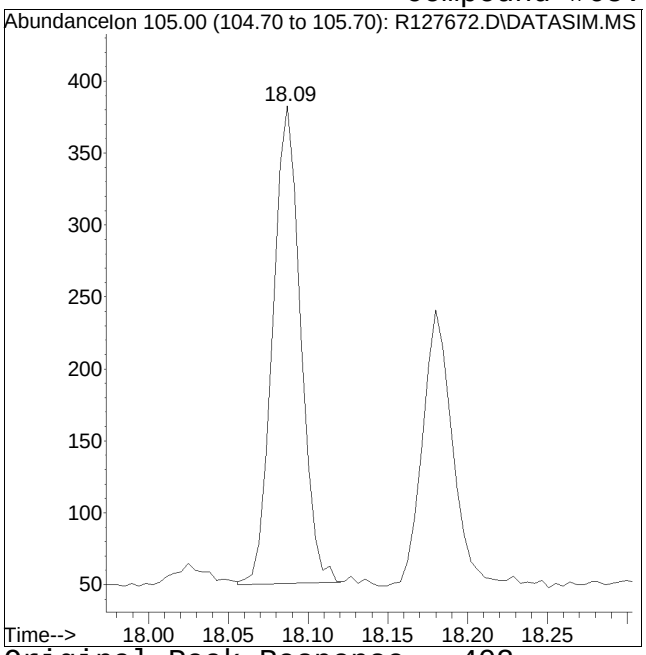
M4 = Poor automated baseline construction.

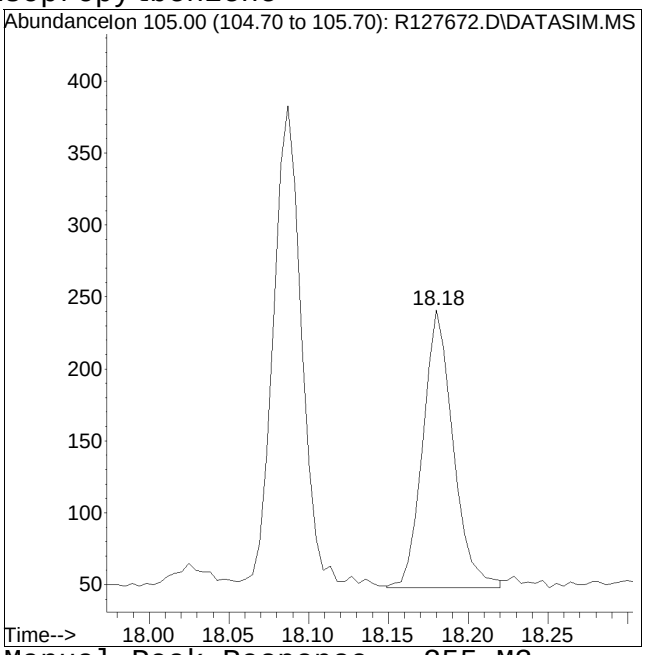
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127672.D
Date Inj'd : 4/15/2013 8:17 pm
Sample : L1306330-10D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #65: isopropylbenzene





Original Peak Response = 402 Manual Peak Response = 255 M3

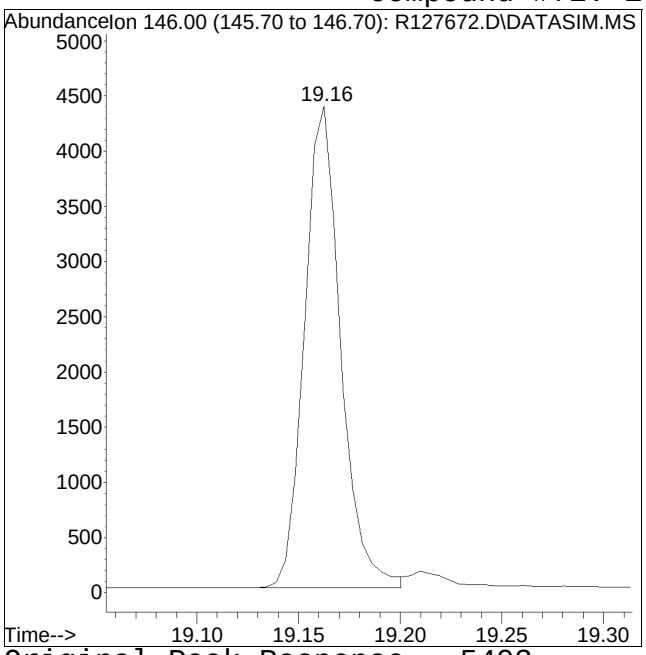
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

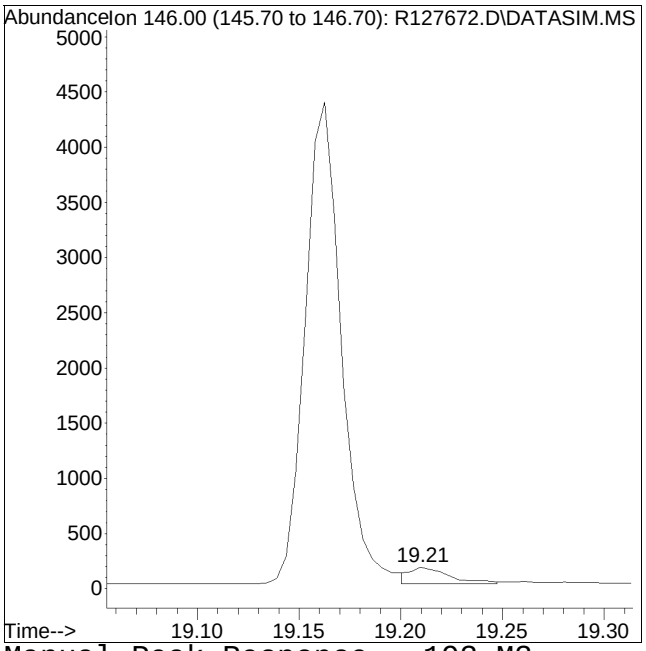
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127672.D
Date Inj'd : 4/15/2013 8:17 pm
Sample : L1306330-10D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 5403



Manual Peak Response = 193 M3

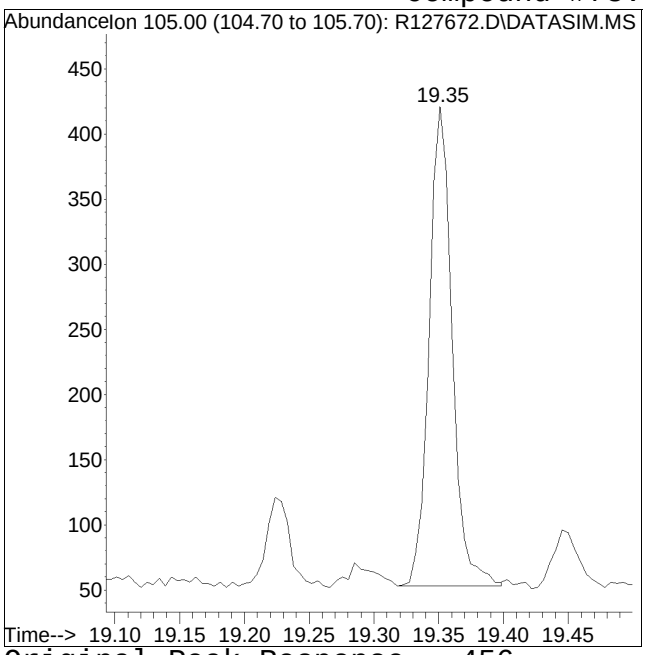
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

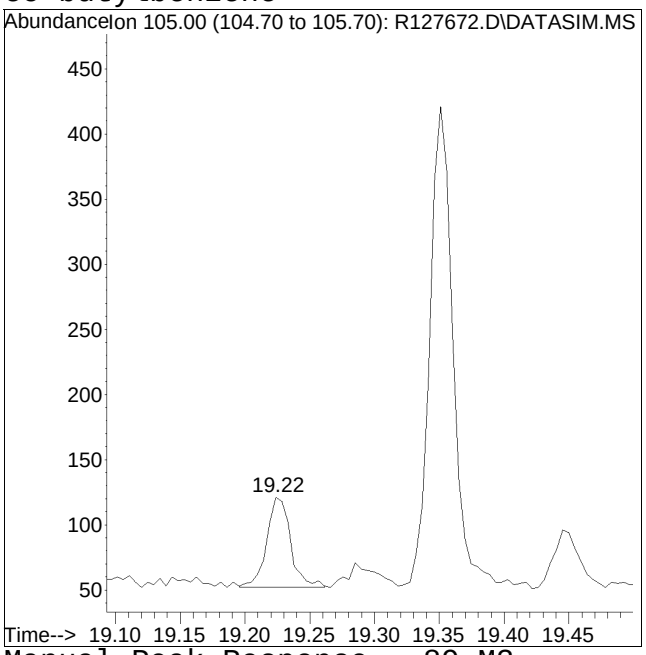
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127672.D
Date Inj'd : 4/15/2013 8:17 pm
Sample : L1306330-10D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #73: sec-butylbenzene



Original Peak Response = 456



Manual Peak Response = 89 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127673.D
Acq On : 15 Apr 2013 8:49 pm
Operator : AIRPIANO1:MB
Sample : L1306330-16D,3,75,250
Misc : WG601750,ICAL7910
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 17 11:23:18 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	241699	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 87.09%			
32) 1,4-difluorobenzene	12.49	114	566814	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 99.63%			
49) chlorobenzene-D5	16.90	54	138332	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 100.19%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	4782	0.153	ppbV	100
4) chloromethane	4.40	50	988	0.060	ppbV	91
5) Freon-114	4.55	85	182	0.005	ppbV #	75
6) vinyl chloride	4.69		0	N.D.		
7) 1,3-butadiene	4.91	54	264	0.024	ppbV #	66
8) bromomethane	0.00		0	N.D.	d	
9) chloroethane	5.55		0	N.D.		
12) acetone	6.40	43	113863M6	4.354	ppbV	
13) trichlorofluoromethane	6.63	101	2949	0.079	ppbV	98
15) acrylonitrile	7.04	53	347M4	0.027	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	21514	0.984	ppbV	100
20) Freon 113	7.99	101	10417	0.399	ppbV	99
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	149204	3.640	ppbV	96
27) cis-1,2-dichloroethene	10.07		0	N.D.		
29) chloroform	10.43	83	5458	0.193	ppbV #	91
31) 1,2-dichloroethane	11.28		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	101808	3.355	ppbV	98
36) benzene	12.08	78	8246	0.184	ppbV	99
37) carbon tetrachloride	12.25	117	79015	2.374	ppbV	99
39) 1,2-dichloropropane	13.03		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	3024	0.138	ppbV	99
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.32	43	38221M6	0.751	ppbV	
47) trans-1,3-dichloropropene	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127673.D
Acq On : 15 Apr 2013 8:49 pm
Operator : AIRPIANO1:MB
Sample : L1306330-16D,3,75,250
Misc : WG601750,ICAL7910
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 17 11:23:18 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

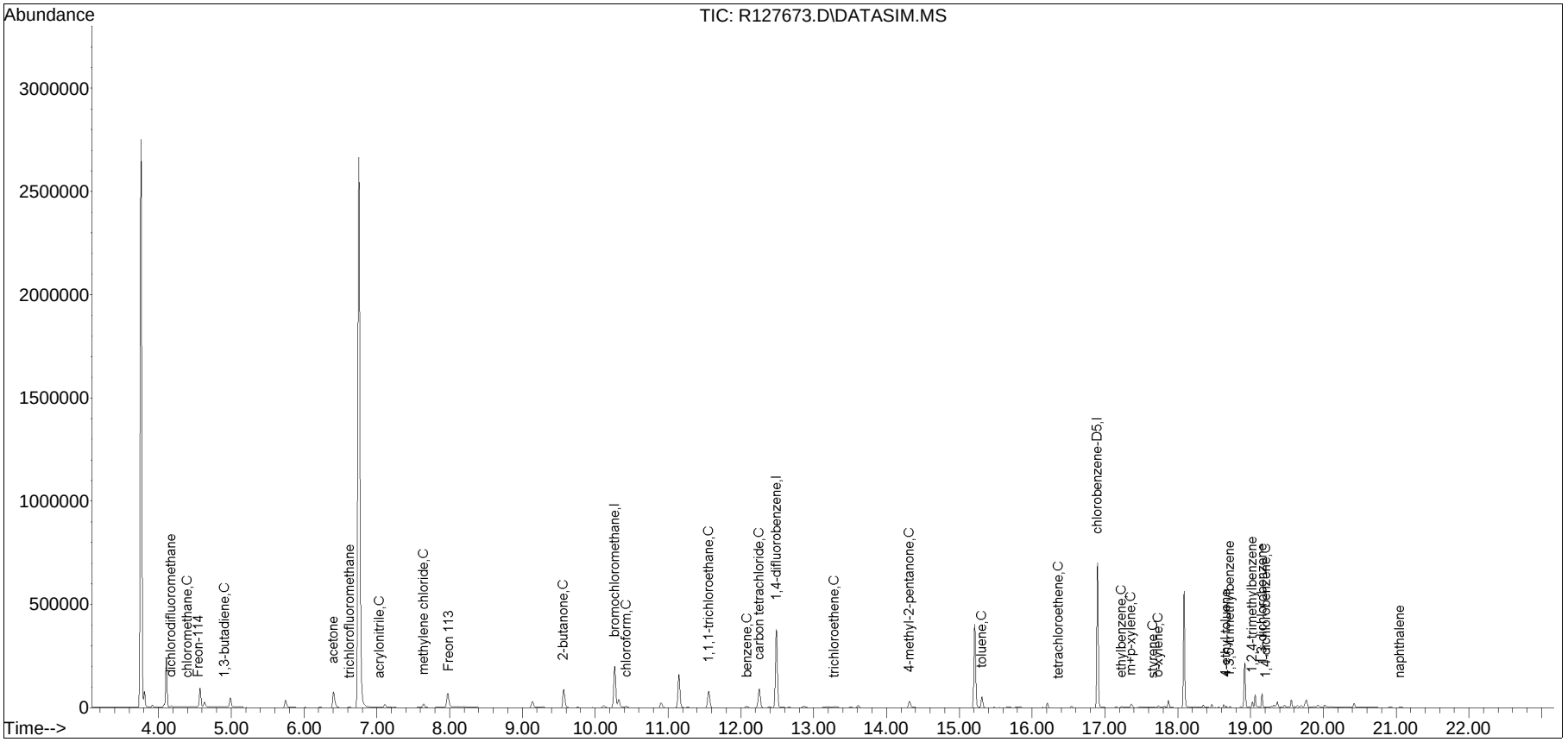
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	47473M4	0.847	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	517	0.018	ppbV	#	87
56) 1,1,1,2-tetrachloroethane	16.91		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	5662	0.079	ppbV		97
59) m+p-xylene	17.36	91	14816	0.265	ppbV		100
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	789	0.018	ppbV		91
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.			
63) o-xylene	17.74	91	6232	0.107	ppbV		99
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	6468	0.076	ppbV	#	98
67) 1,3,5-trimethylbenzene	18.72	105	5455	0.079	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.03	105	16300	0.235	ppbV	#	52
71) 1,3-dichlorobenzene	19.16	146	46700	0.888	ppbV		96
72) 1,4-dichlorobenzene	19.21	146	1378M3	0.026	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	1678	0.017	ppbV	#	89
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

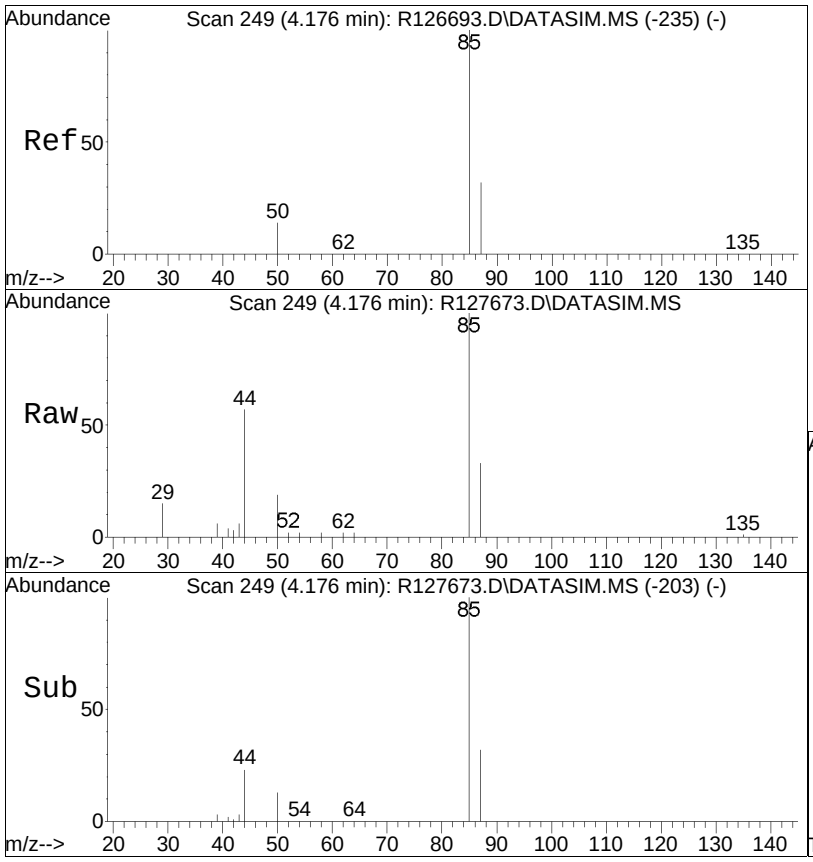
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127673.D
Acq On : 15 Apr 2013 8:49 pm
Operator : AIRPIANO1:MB
Sample : L1306330-16D,3,75,250
Misc : WG601750,ICAL7910
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 17 11:23:18 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

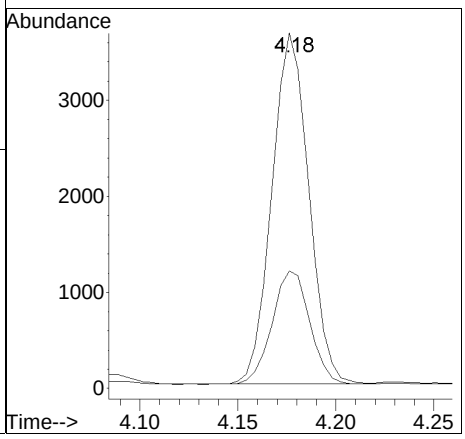


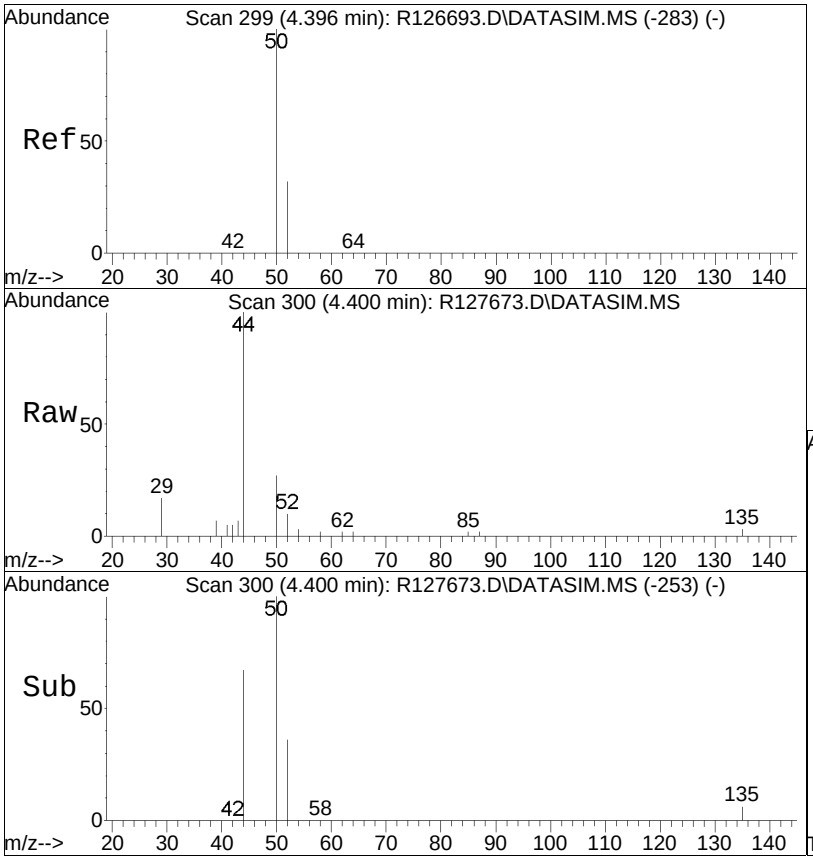


#3
dichlorodifluoromethane
Concen: 0.15 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 85 Resp: 4782

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.6	40.0

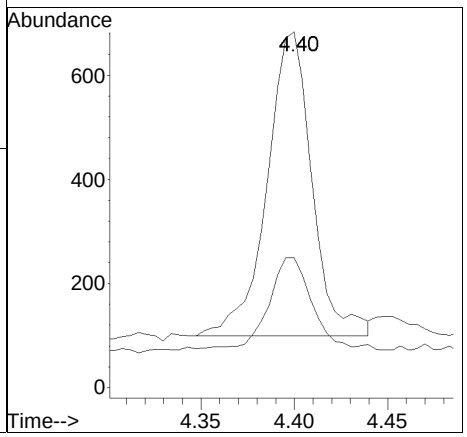


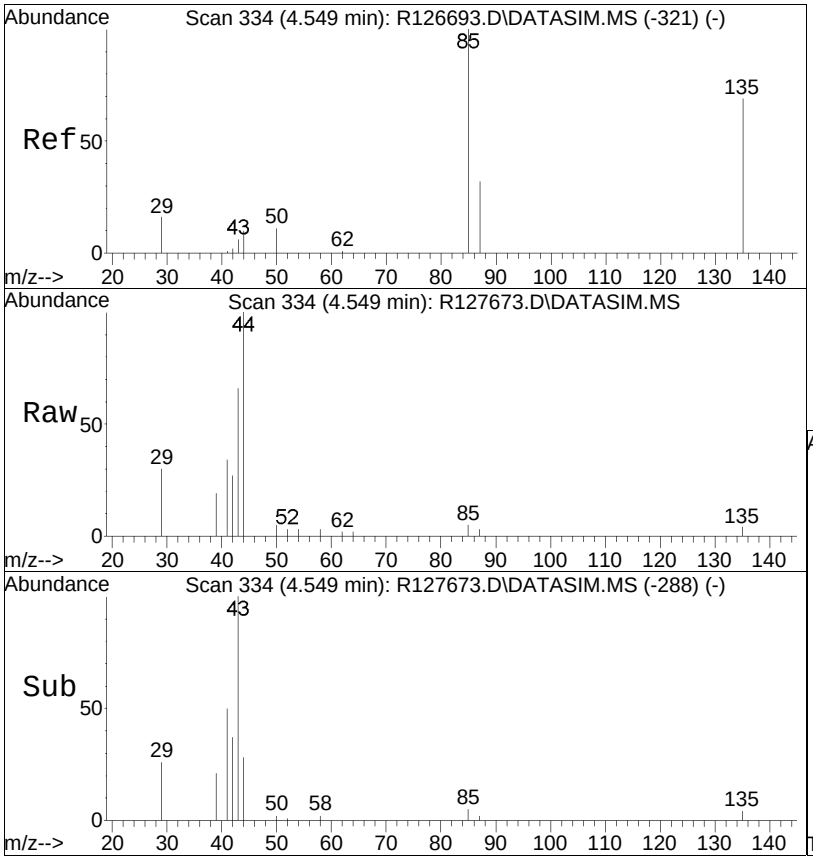


#4
chloromethane
Concen: 0.06 ppbV
RT: 4.40 min Scan# 300
Delta R.T. 0.004 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 50 Resp: 988

Ion	Ratio	Lower	Upper
50	100		
52	36.6	25.3	37.9

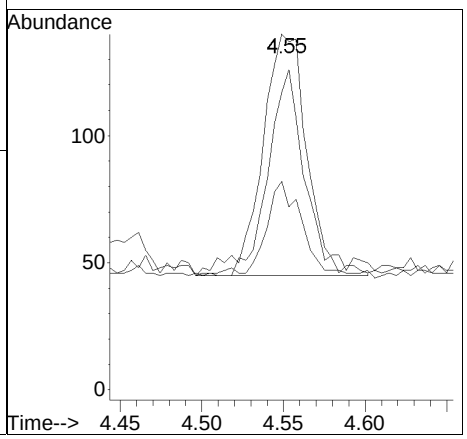


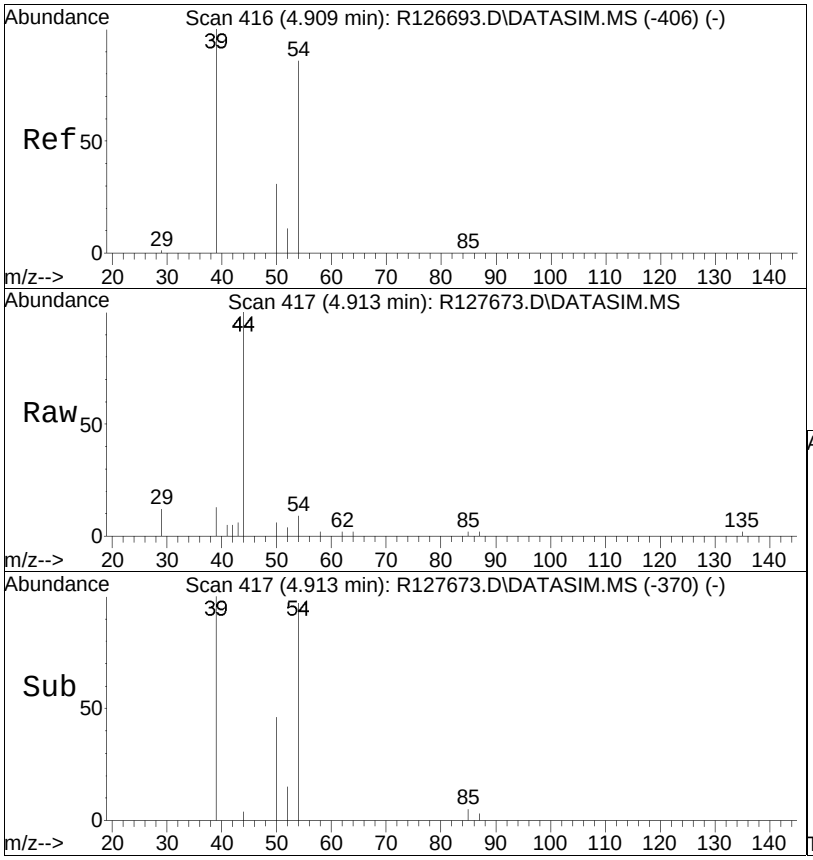


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 85 Resp: 182

Ion	Ratio	Lower	Upper
85	100		
87	58.6	26.5	39.7#
135	83.6	56.9	85.3

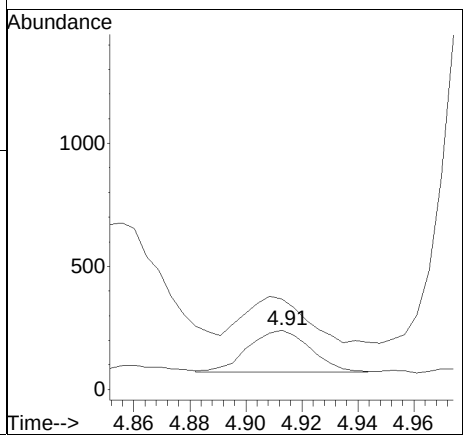


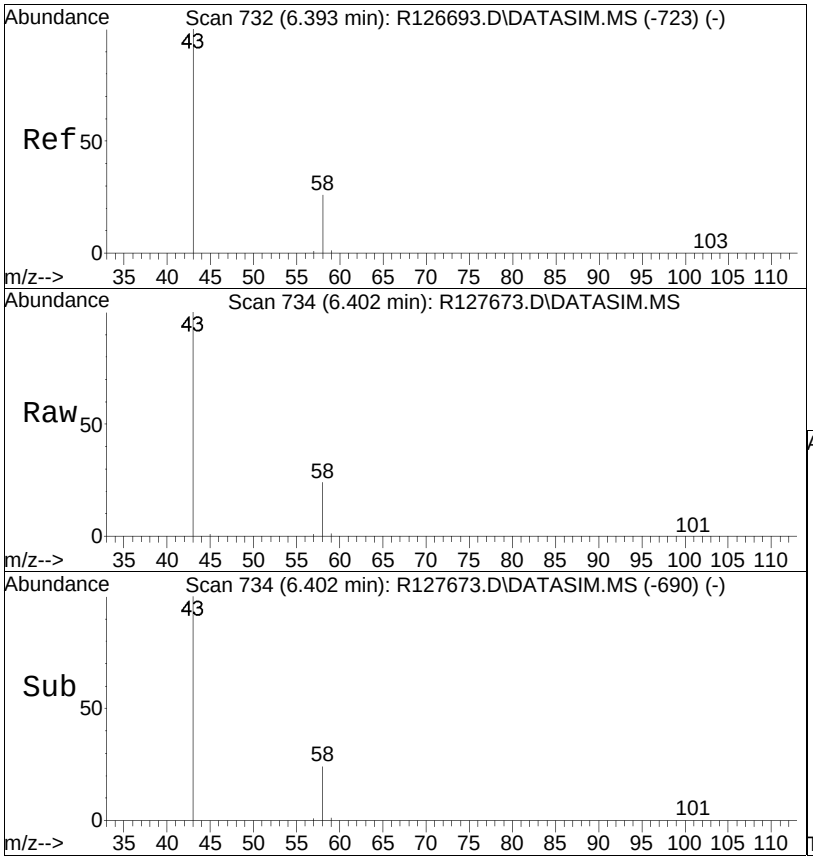


#7
1,3-butadiene
Concen: 0.02 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 54 Resp: 264

Ion	Ratio	Lower	Upper
54	100		
39	152.7	92.4	138.6#

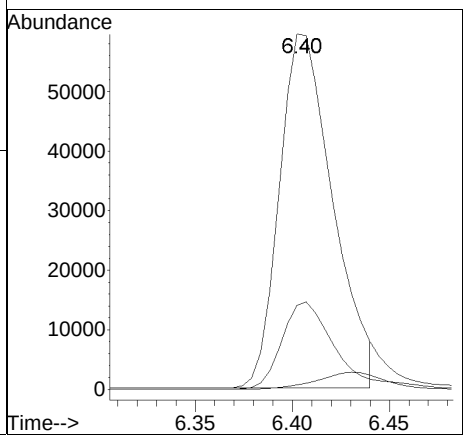


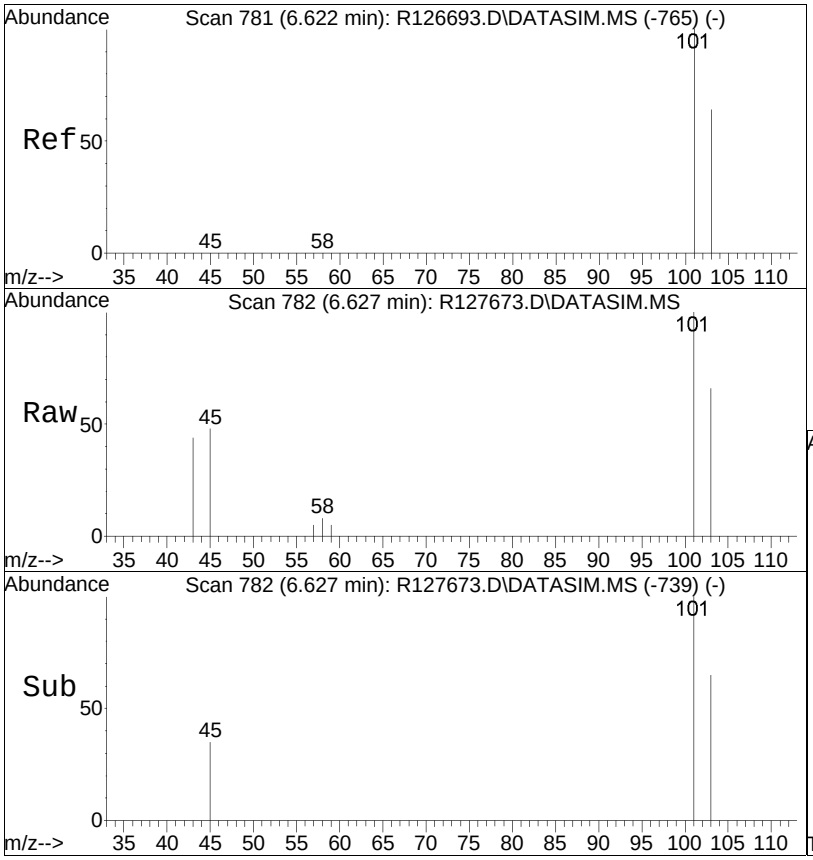


#12
acetone
Concen: 4.35 ppbV m
RT: 6.40 min Scan# 734
Delta R.T. 0.009 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 43 Resp: 113863

Ion	Ratio	Lower	Upper
43	100		
58	23.7	20.0	30.0
57	1.3	0.6	1.0#

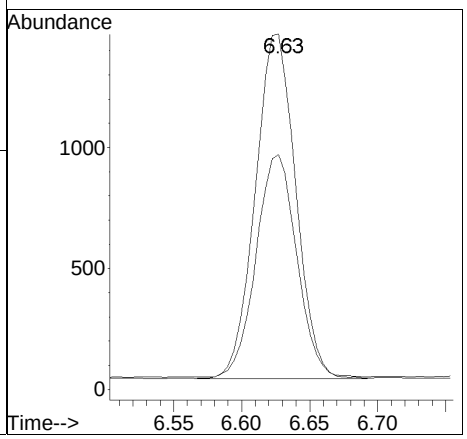


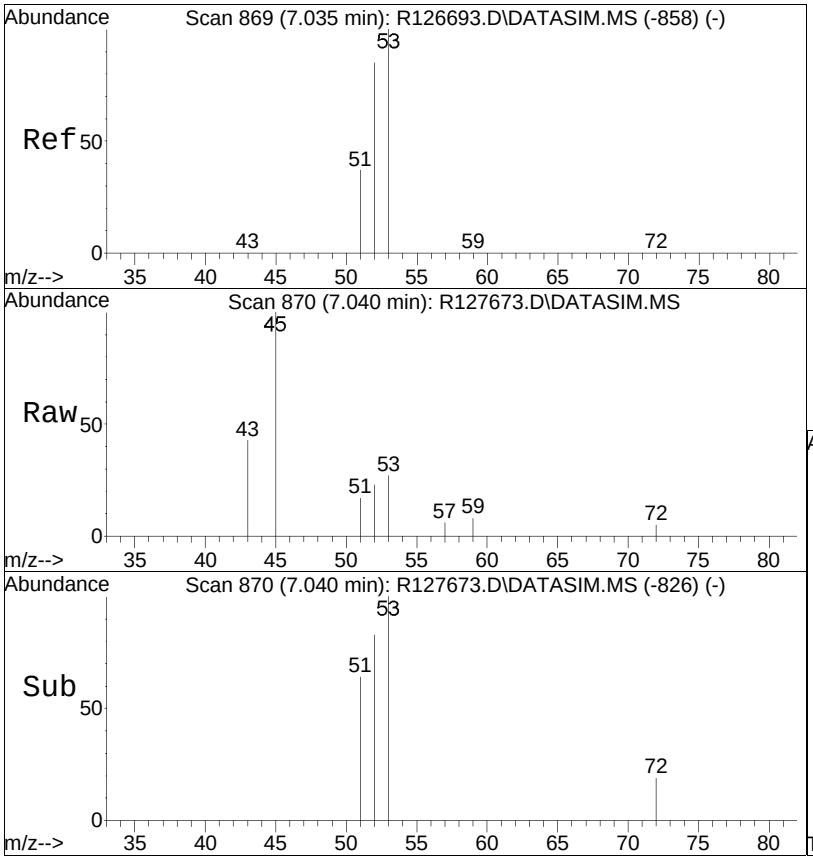


#13
trichlorofluoromethane
Concen: 0.08 ppbV
RT: 6.63 min Scan# 782
Delta R.T. 0.005 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:101 Resp: 2949

Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.6	77.4

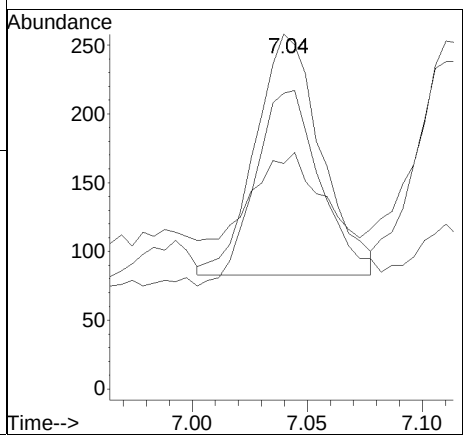


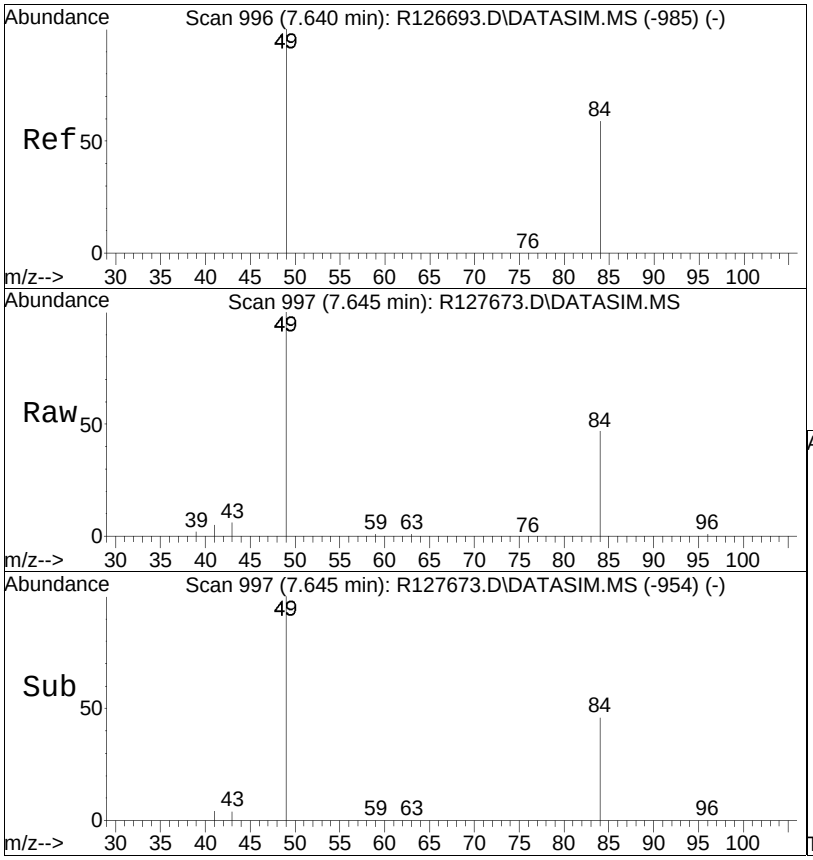


#15
acrylonitrile
Concen: 0.03 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 53 Resp: 347

Ion	Ratio	Lower	Upper
53	100		
52	83.3	68.5	102.7
51	63.6	30.1	45.1#

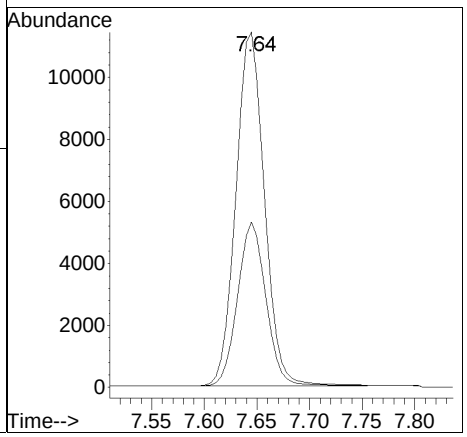


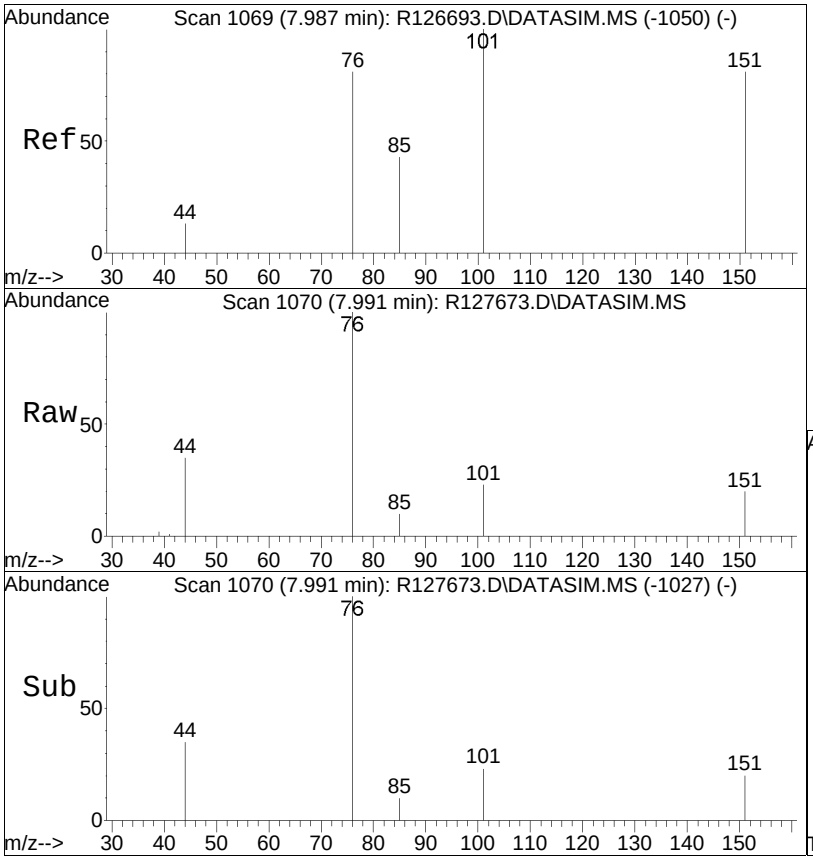


#17
methylene chloride
Concen: 0.98 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 49 Resp: 21514

Ion	Ratio	Lower	Upper
49	100		
84	46.6	37.2	55.8

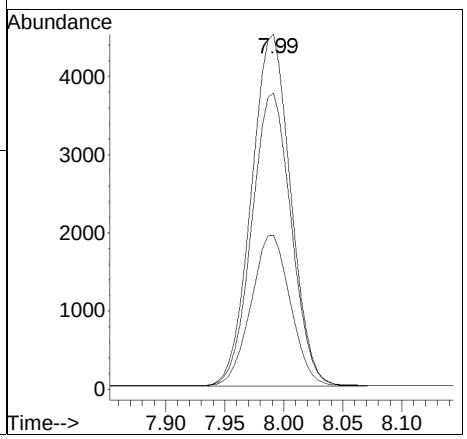


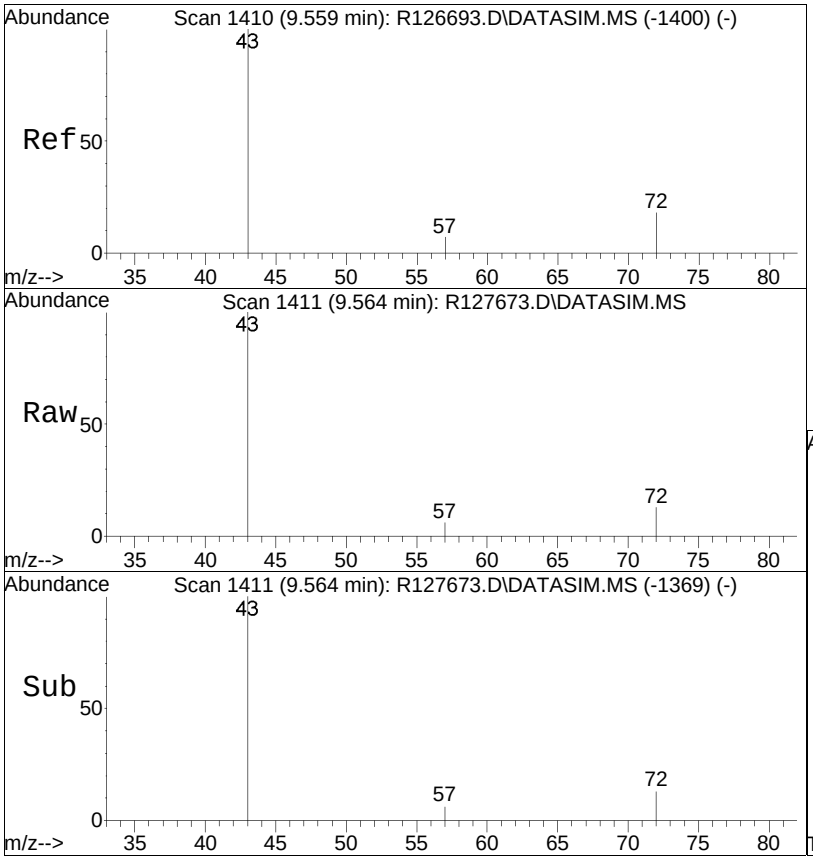


#20
Freon 113
Concen: 0.40 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:101 Resp: 10417

Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.2	51.2
151	83.4	67.8	101.8

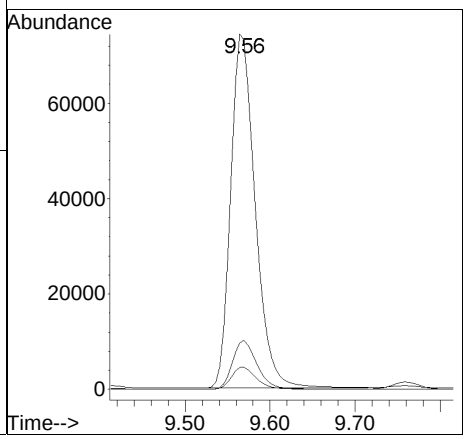


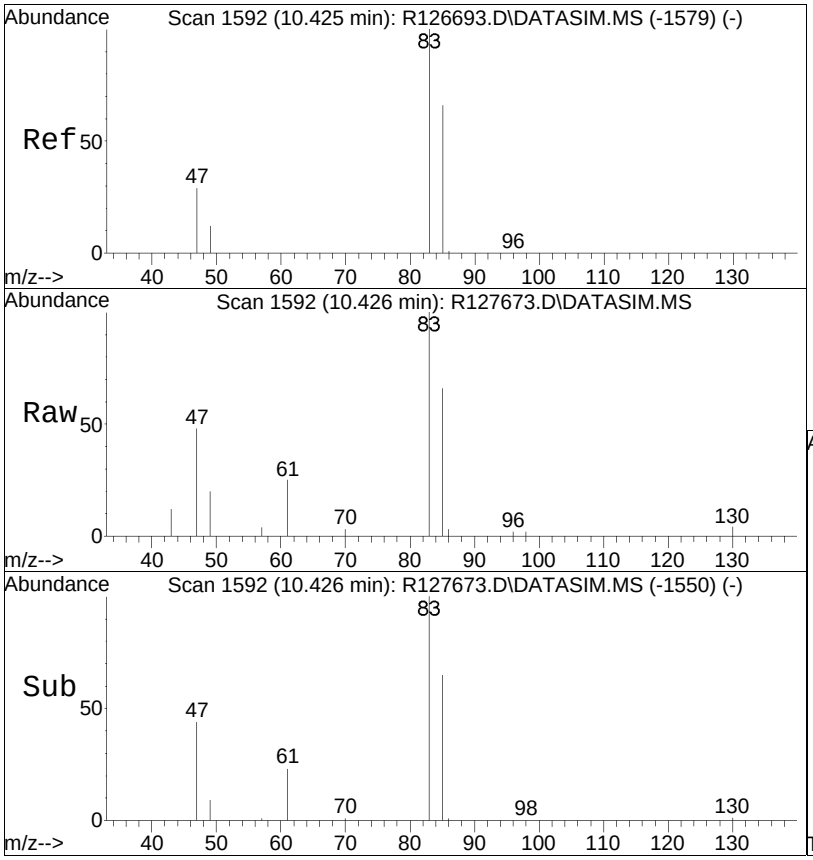


#26
2-butanone
Concen: 3.64 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 43 Resp: 149204

Ion	Ratio	Lower	Upper
43	100		
72	13.1	12.0	18.0
57	6.2	5.2	7.8

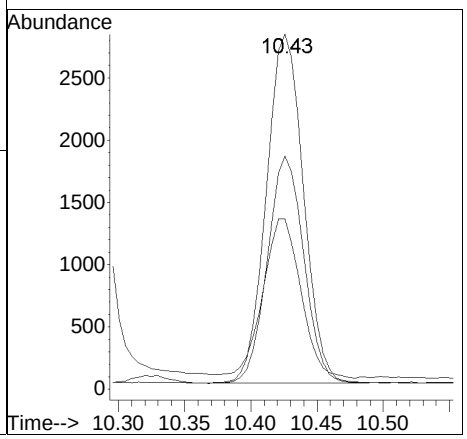


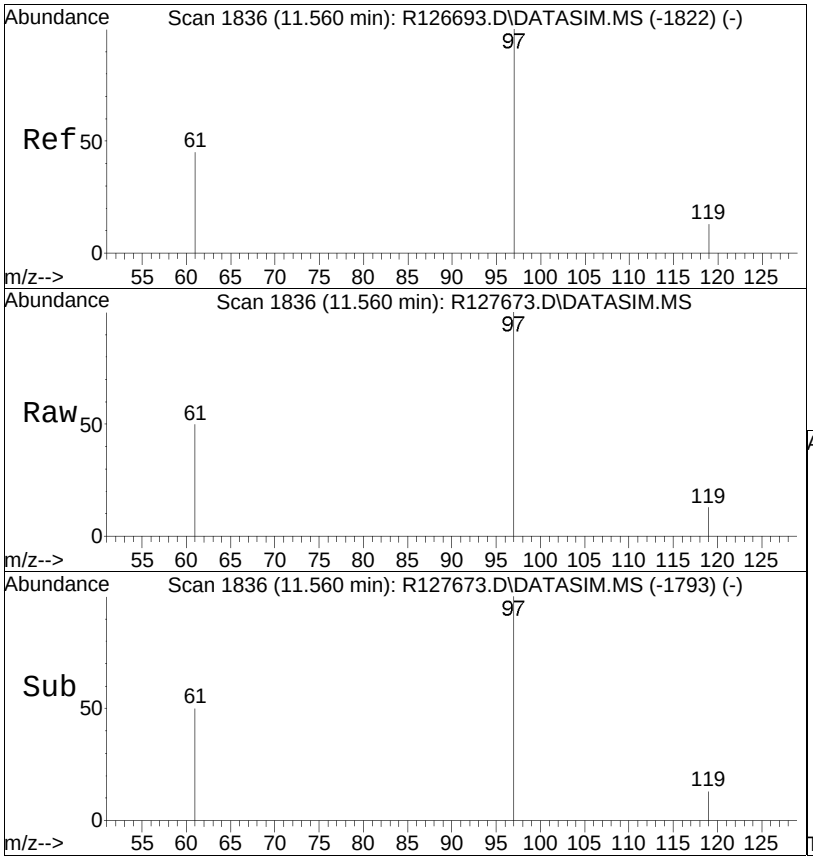


#29
chloroform
Concen: 0.19 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 83 Resp: 5458

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.2
47	48.0	26.4	39.6#

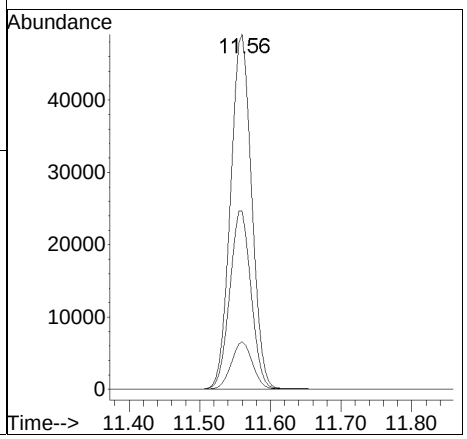


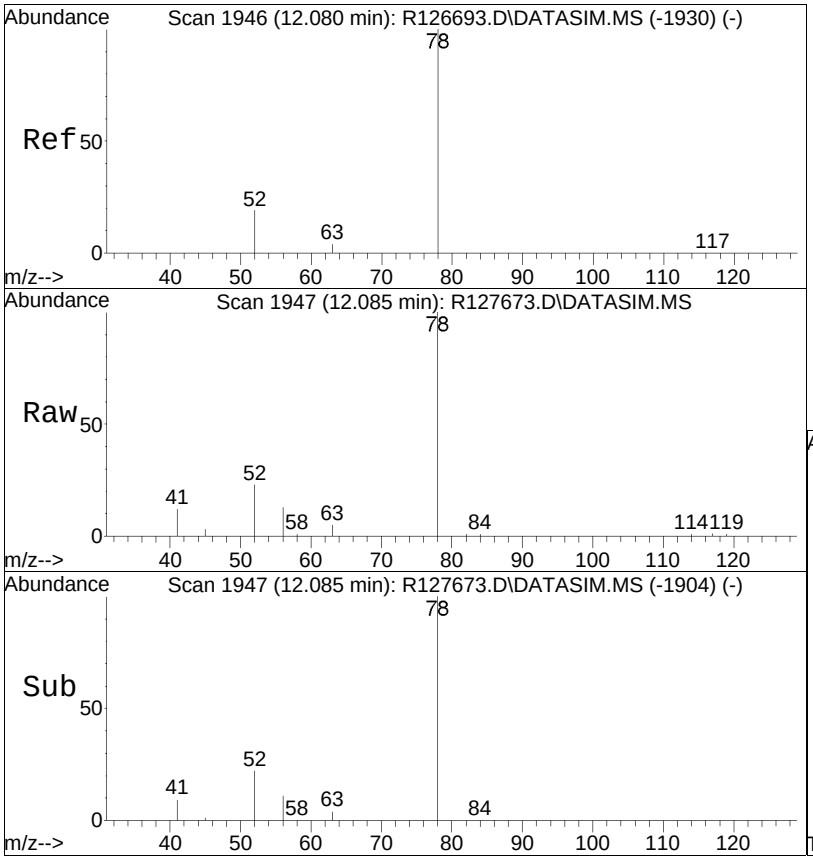


#35
1,1,1-trichloroethane
Concen: 3.36 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 97 Resp: 101808

Ion	Ratio	Lower	Upper
97	100		
61	50.2	38.6	58.0
119	13.5	11.0	16.6

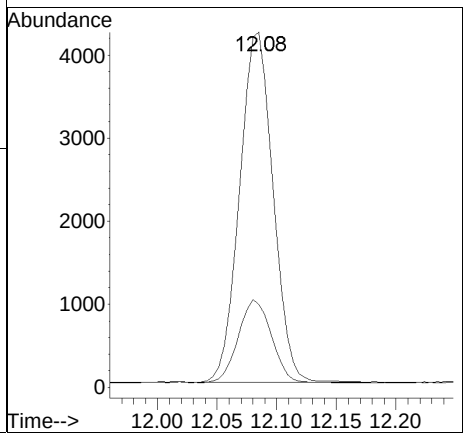


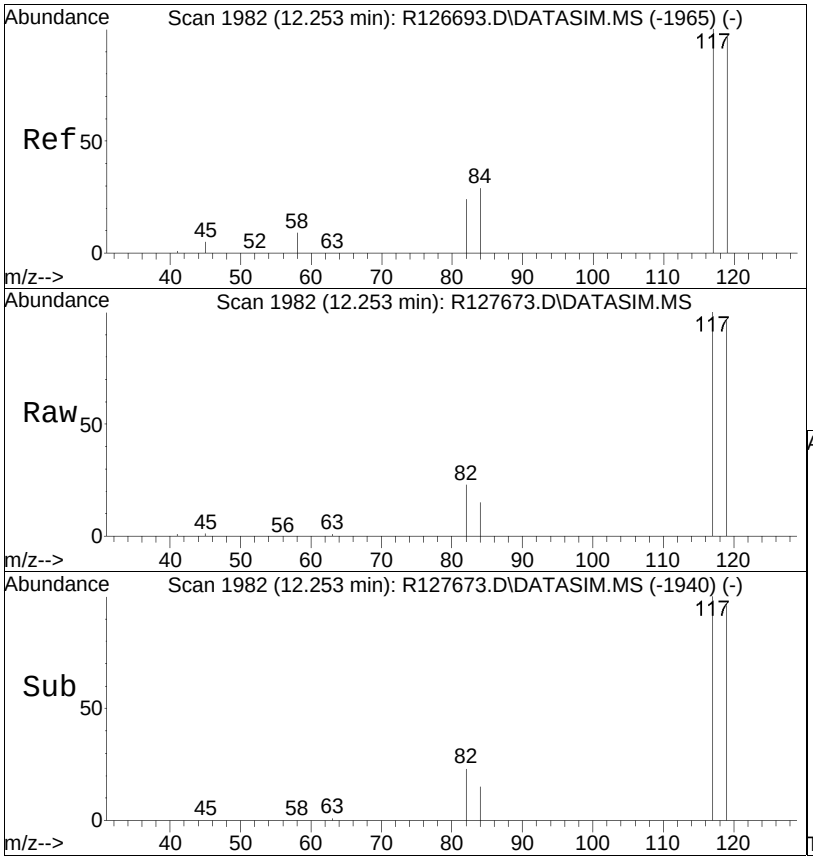


#36
benzene
Concen: 0.18 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 78 Resp: 8246

Ion	Ratio	Lower	Upper
78	100		
52	23.4	18.5	27.7

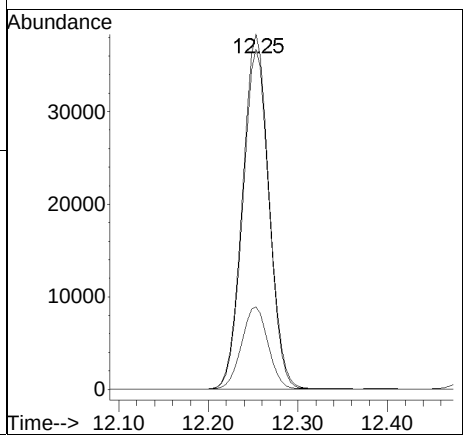


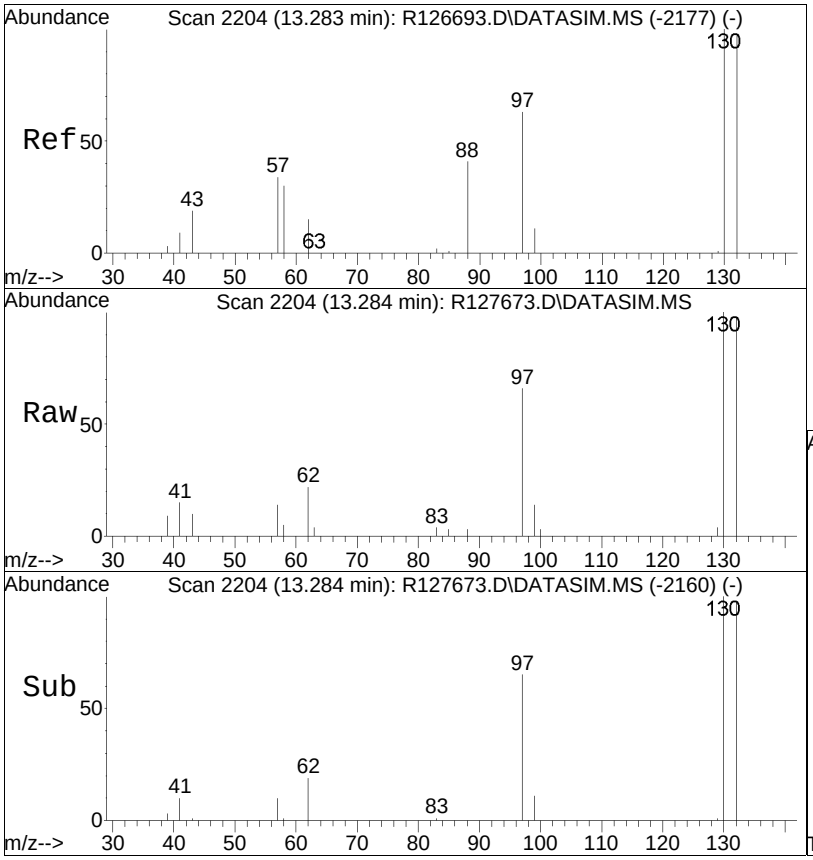


#37
carbon tetrachloride
Concen: 2.37 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:117 Resp: 79015

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
82	23.3	18.2	27.2

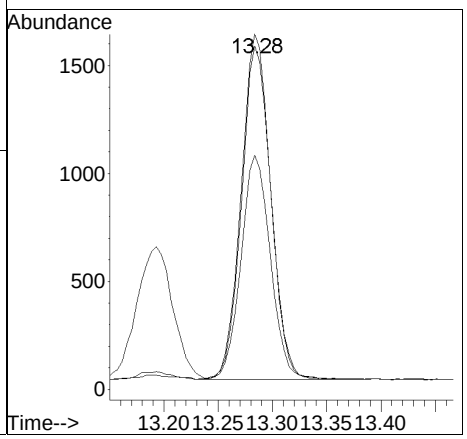


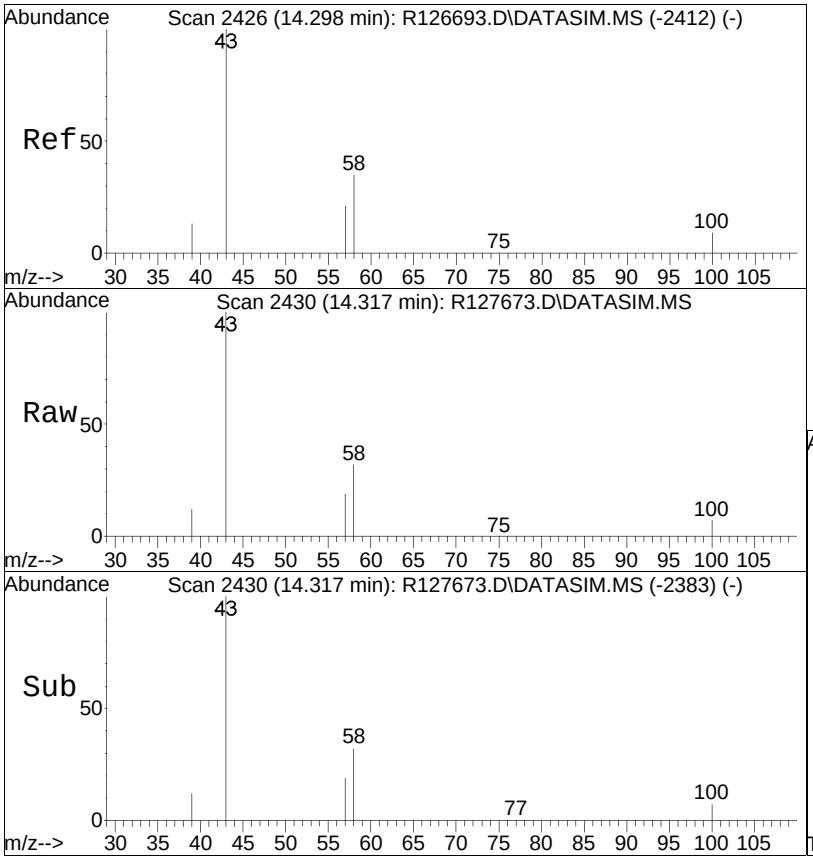


#42
trichloroethene
Concen: 0.14 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:130 Resp: 3024

Ion	Ratio	Lower	Upper
130	100		
132	96.7	77.3	115.9
97	65.9	50.6	75.8

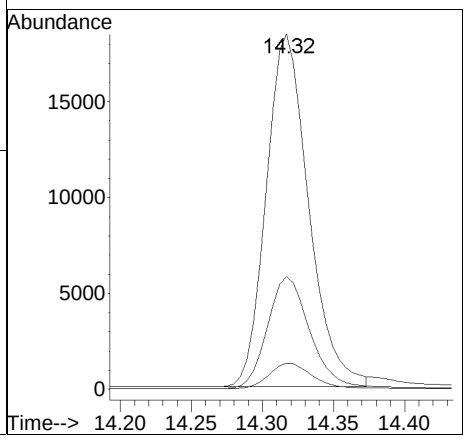


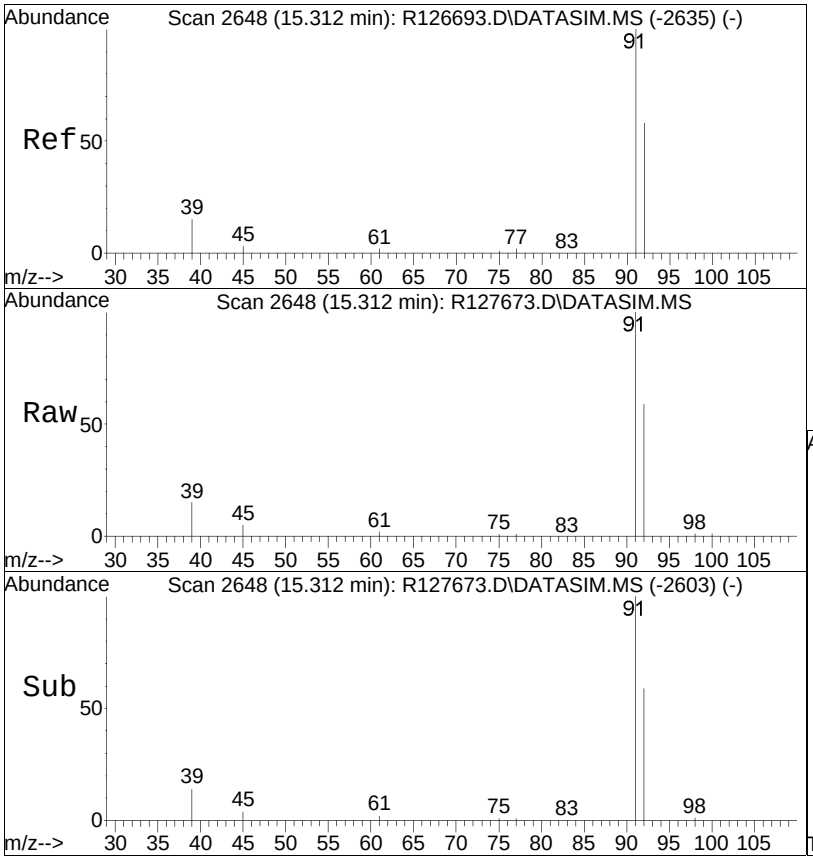


#46
4-methyl-2-pentanone
Concen: 0.75 ppbV m
RT: 14.32 min Scan# 2430
Delta R.T. 0.018 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 43 Resp: 38221

Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0
100	7.4	5.8	8.6

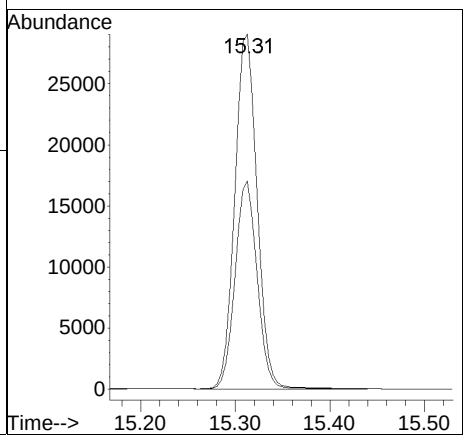


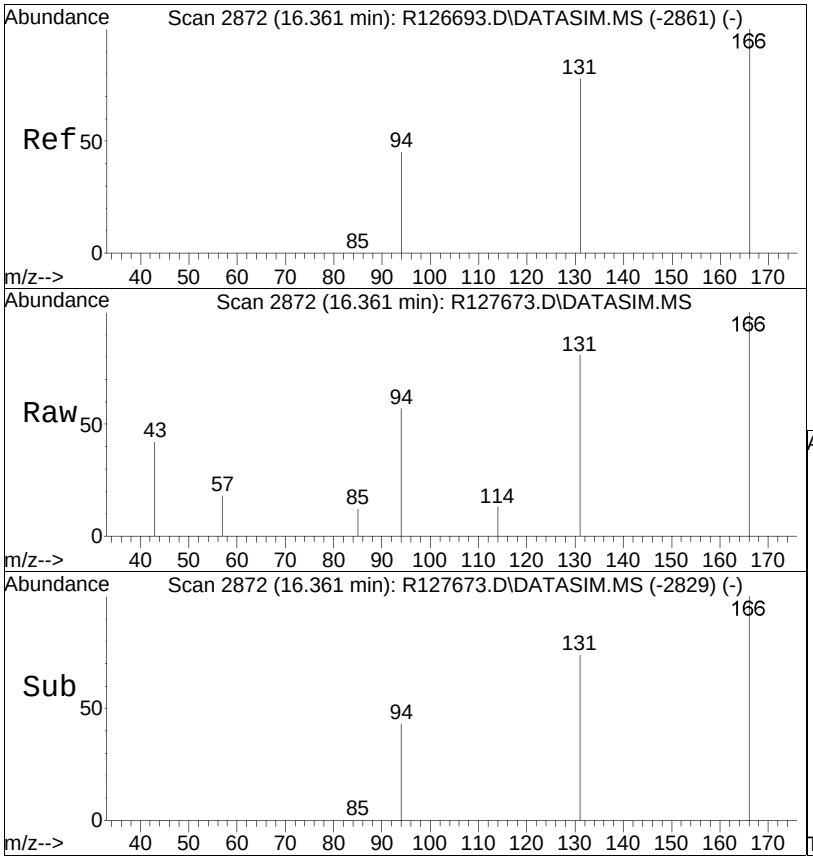


#50
toluene
Concen: 0.85 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 91 Resp: 47473

Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.4	69.6

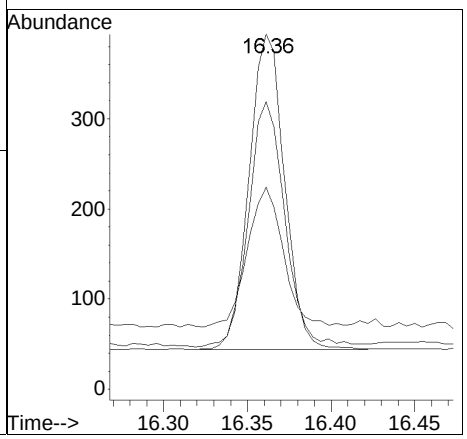


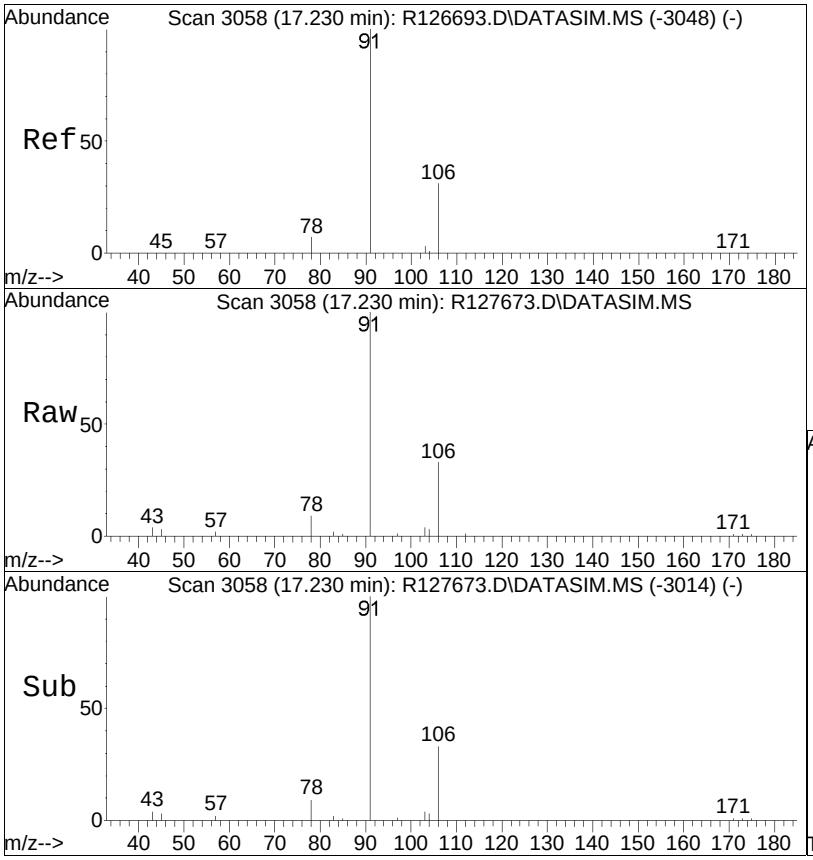


#55
tetrachloroethene
Concen: 0.02 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:166 Resp: 517

Ion	Ratio	Lower	Upper
166	100		
131	81.0	60.6	90.8
94	56.9	32.2	48.2#

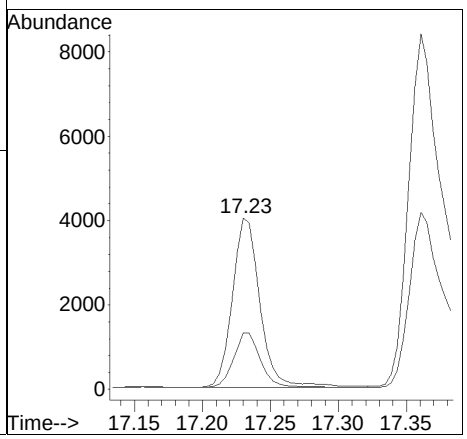


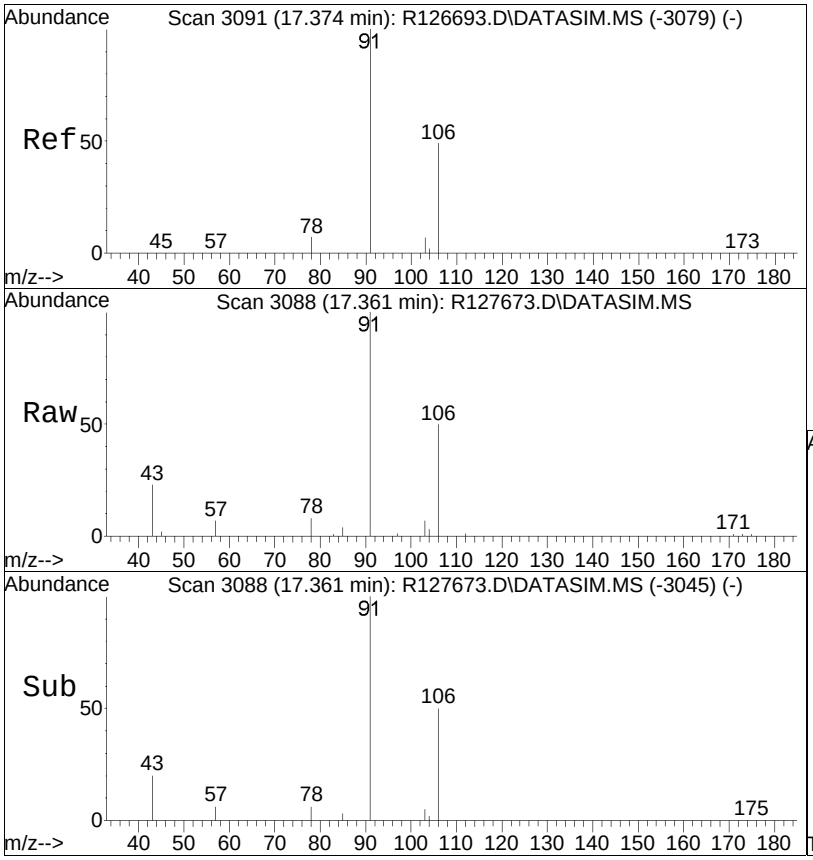


#58
ethylbenzene
Concen: 0.08 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 91 Resp: 5662

Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.3	37.9

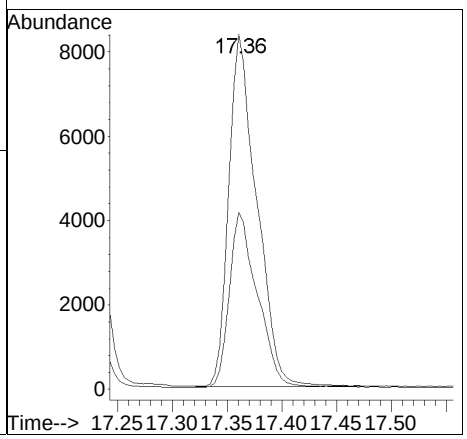


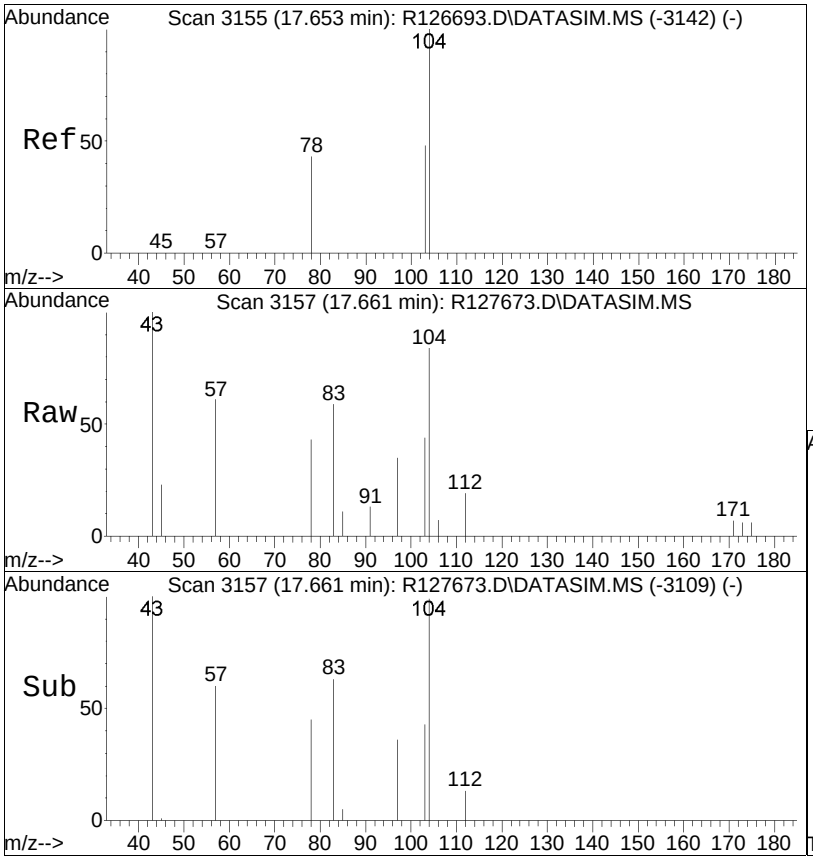


#59
m+p-xylene
Concen: 0.27 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 91 Resp: 14816

Ion	Ratio	Lower	Upper
91	100		
106	49.9	40.0	60.0

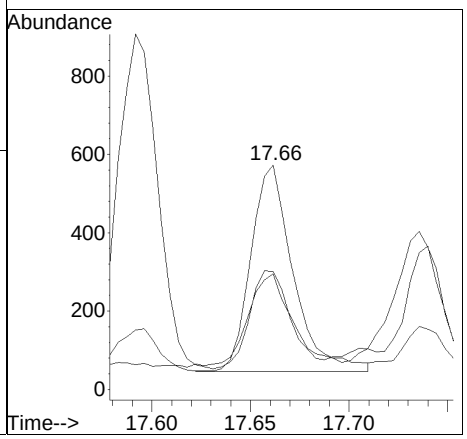


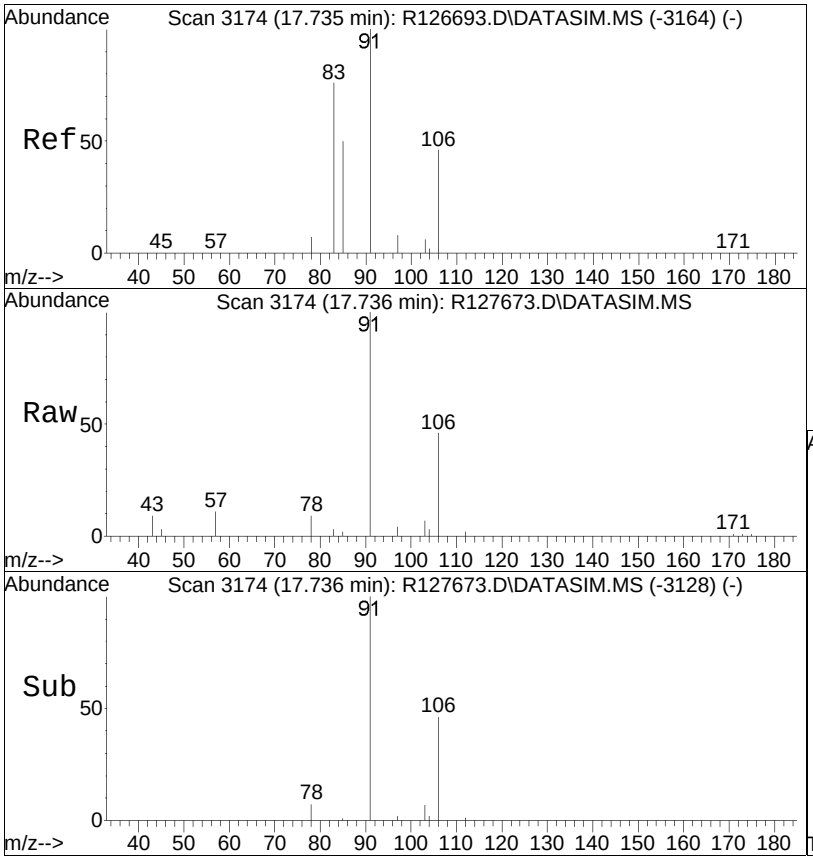


#61
styrene
Concen: 0.02 ppbV
RT: 17.66 min Scan# 3157
Delta R.T. 0.009 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:104 Resp: 789

Ion	Ratio	Lower	Upper
104	100		
103	52.5	38.3	57.5
78	51.5	35.0	52.6

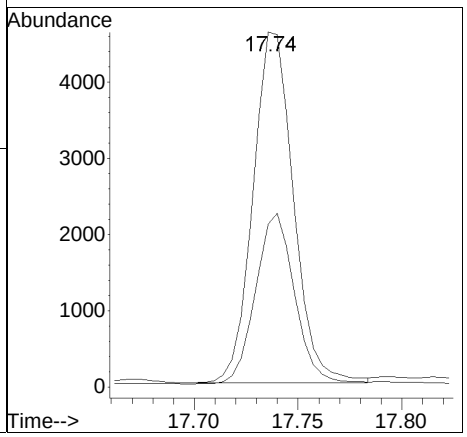


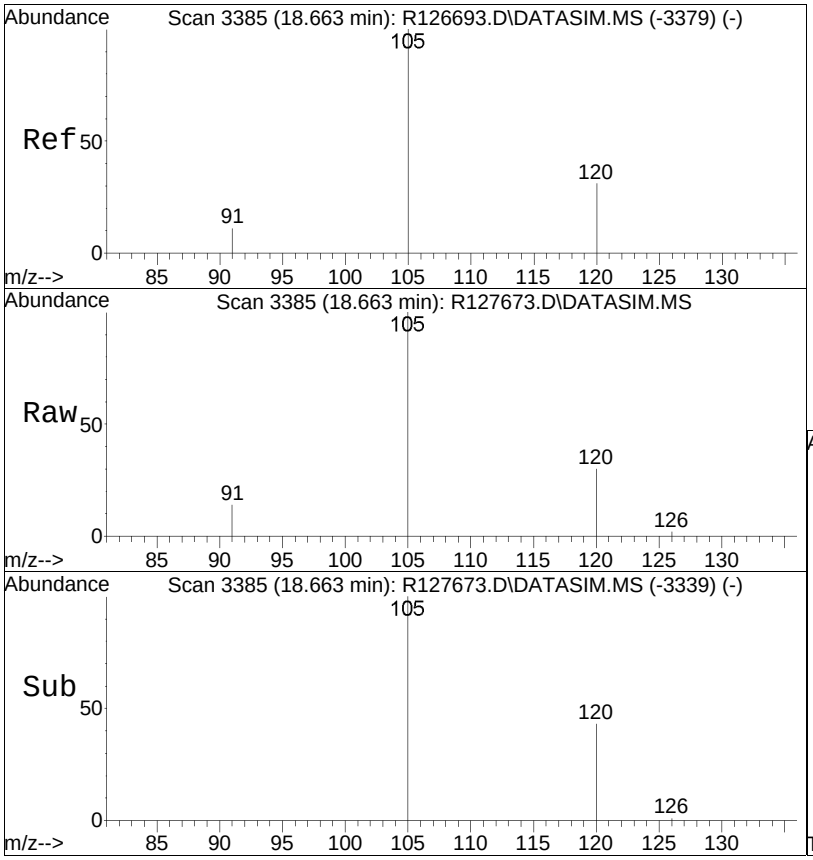


#63
o-xylene
Concen: 0.11 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion: 91 Resp: 6232

Ion	Ratio	Lower	Upper
91	100		
106	46.0	37.1	55.7

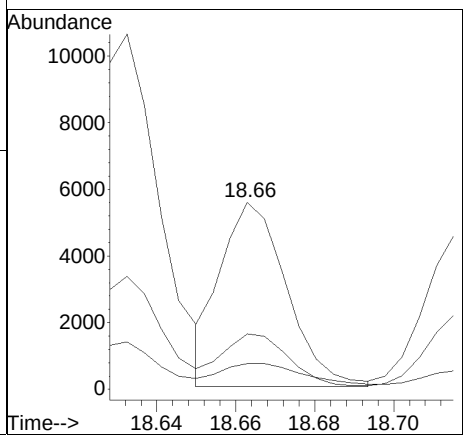


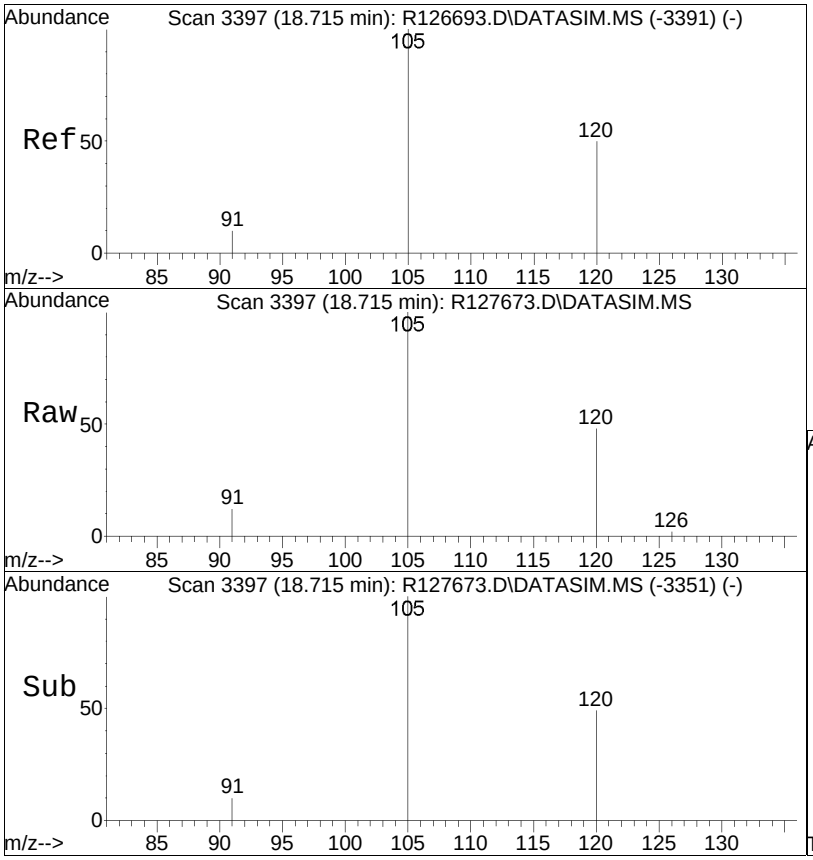


#66
4-ethyl toluene
Concen: 0.08 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:105 Resp: 6468

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	13.8	8.5	12.7#

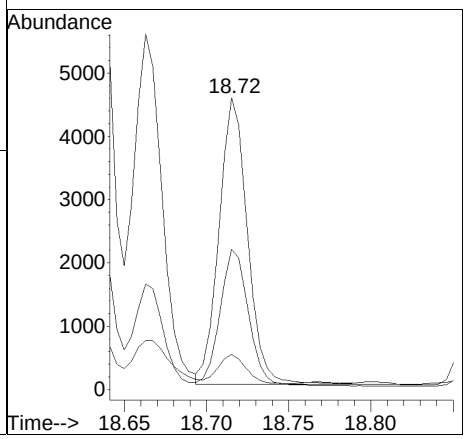


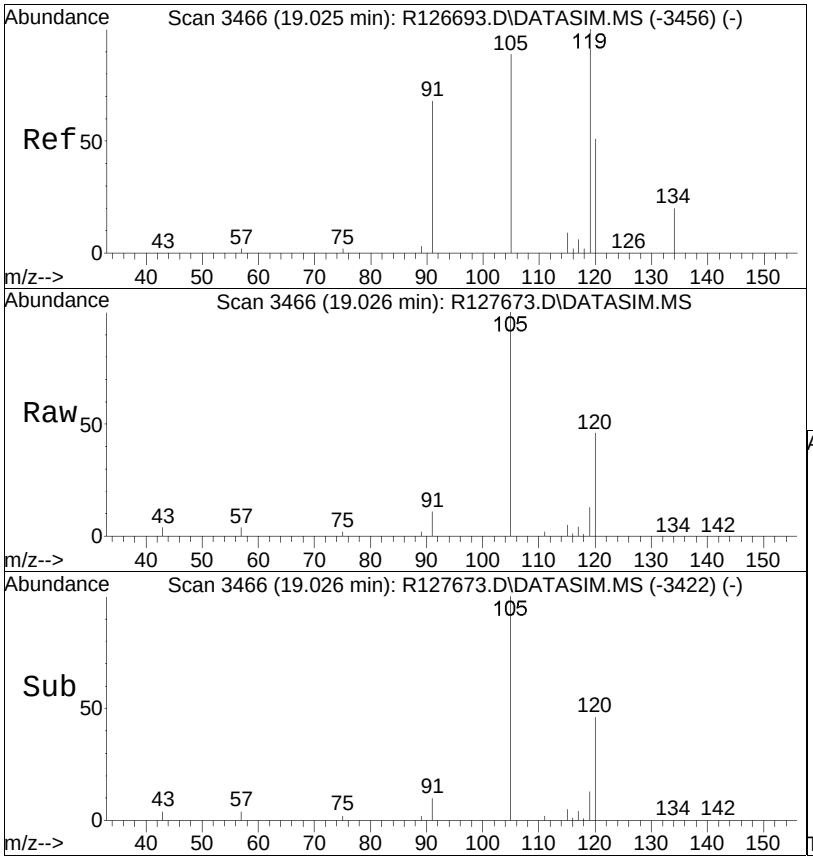


#67
1,3,5-trimethylbenzene
Concen: 0.08 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:105 Resp: 5455

Ion	Ratio	Lower	Upper
105	100		
120	48.1	39.0	58.4
91	12.0	8.0	12.0#

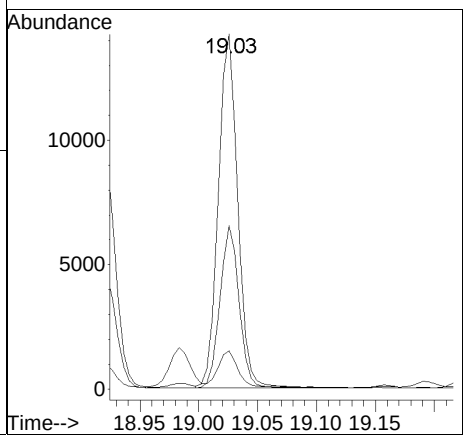


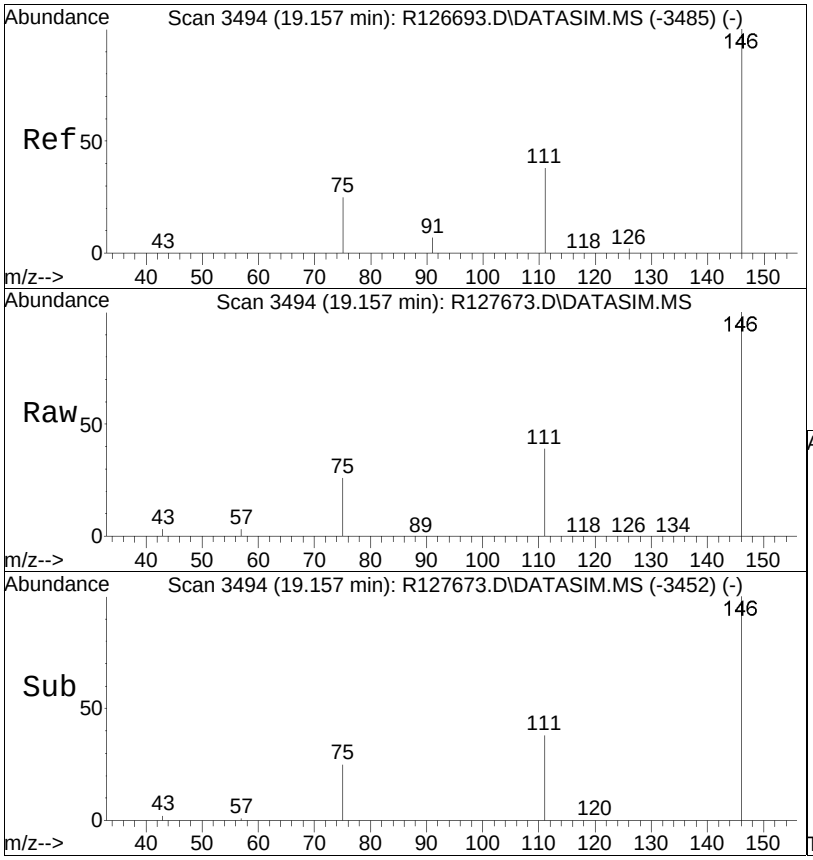


#69
1,2,4-trimethylbenzene
Concen: 0.23 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:105 Resp: 16300

Ion	Ratio	Lower	Upper
105	100		
120	46.2	44.9	67.3
91	10.8	58.6	88.0#

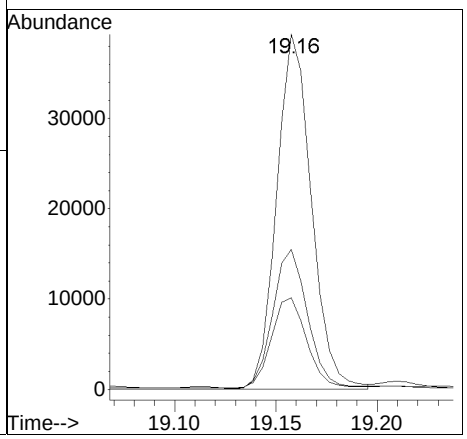


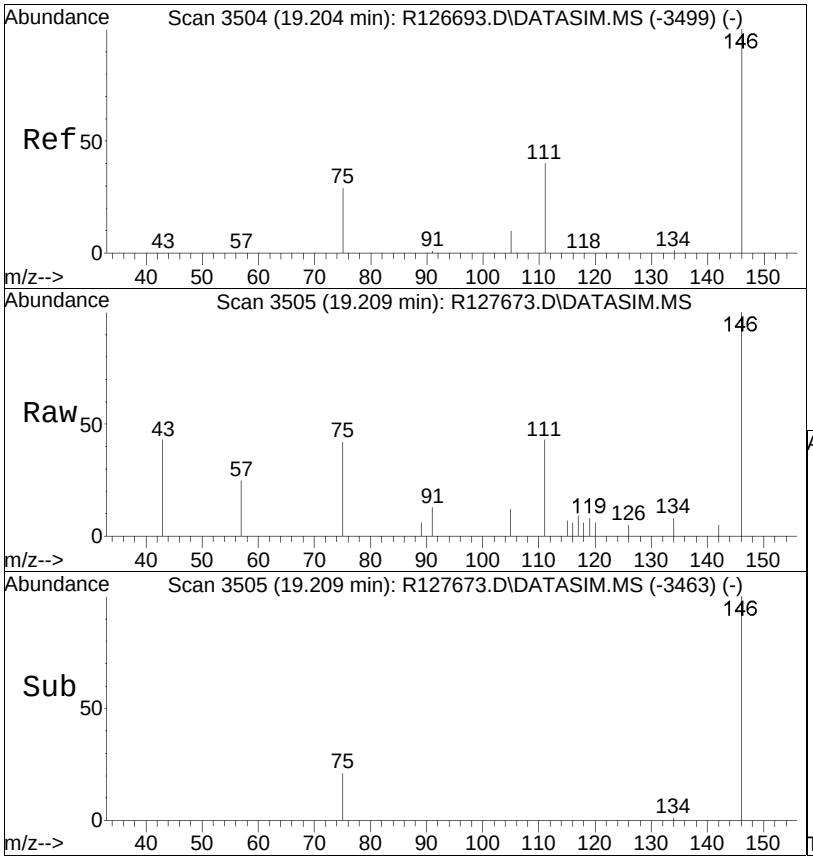


#71
1,3-dichlorobenzene
Concen: 0.89 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:146 Resp: 46700

Ion	Ratio	Lower	Upper
146	100		
111	39.4	29.5	44.3
75	25.8	19.5	29.3

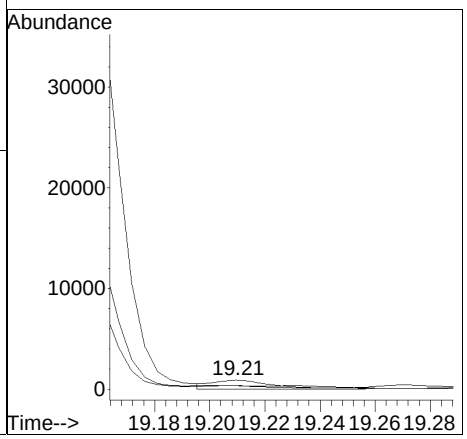


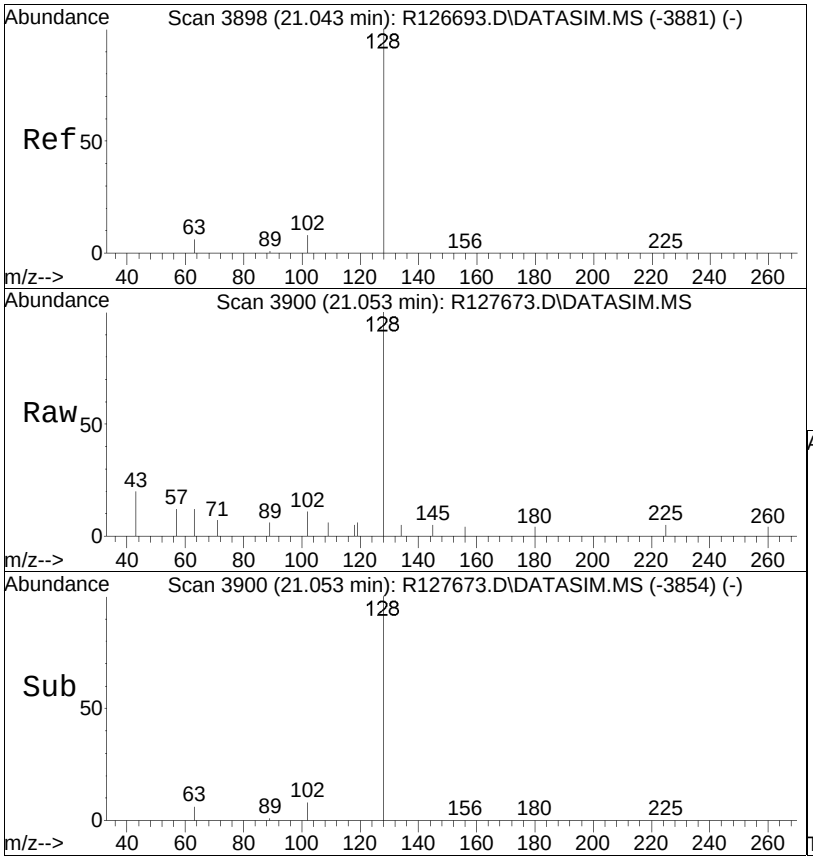


#72
1,4-dichlorobenzene
Concen: 0.03 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. -0.000 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:146 Resp: 1378

Ion	Ratio	Lower	Upper
146	100		
111	43.4	26.4	39.6#
75	41.7	18.0	27.0#

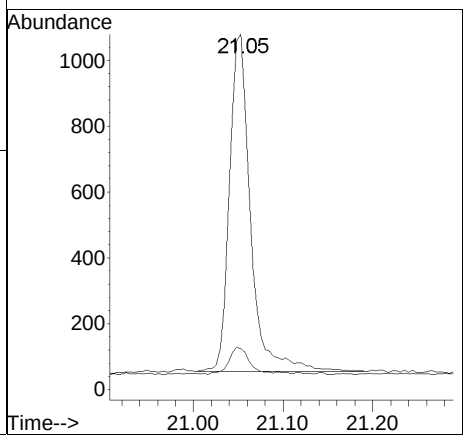




#78
naphthalene
Concen: 0.02 ppbV
RT: 21.05 min Scan# 3900
Delta R.T. 0.009 min
Lab File: R127673.D
Acq: 15 Apr 2013 8:49 pm

Tgt Ion:128 Resp: 1678

Ion	Ratio	Lower	Upper
128	100		
102	11.5	6.2	9.2#

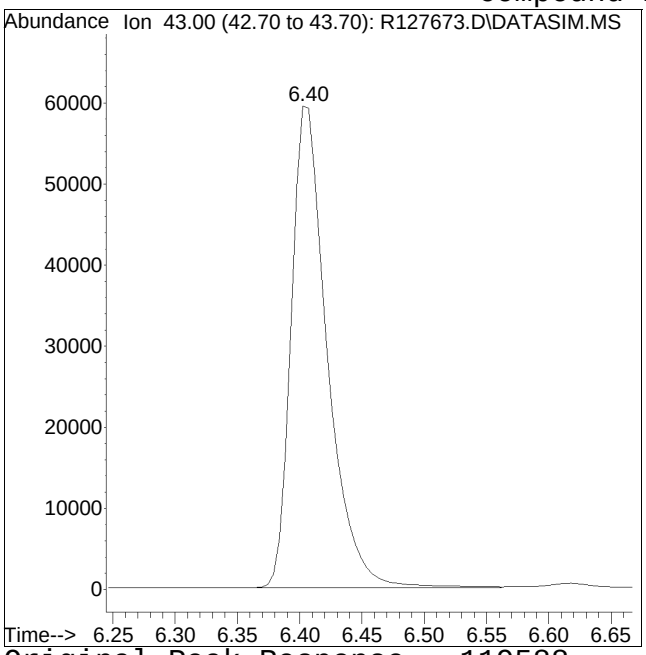


Manual Integration/Negative Proof Report

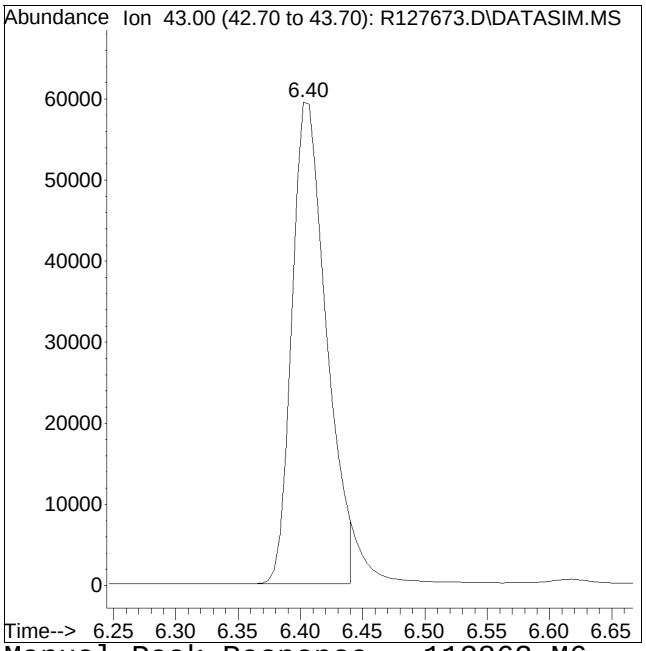
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #12: acetone



Original Peak Response = 119588



Manual Peak Response = 113863 M6

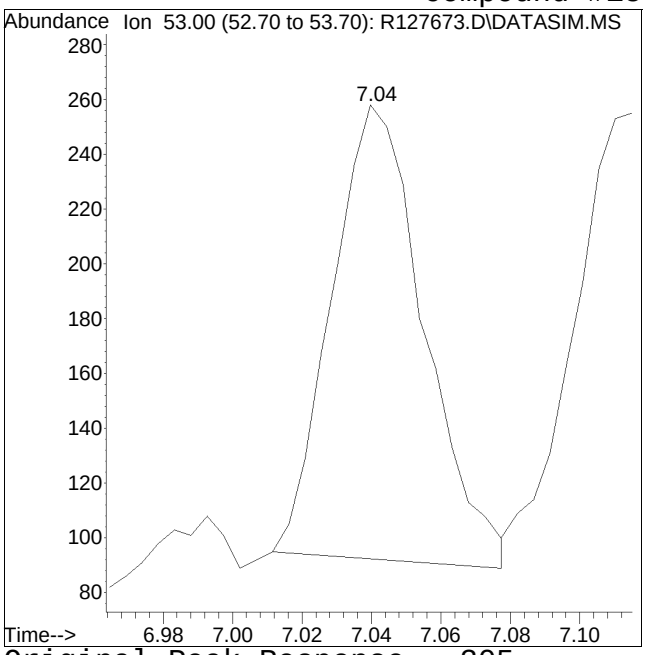
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

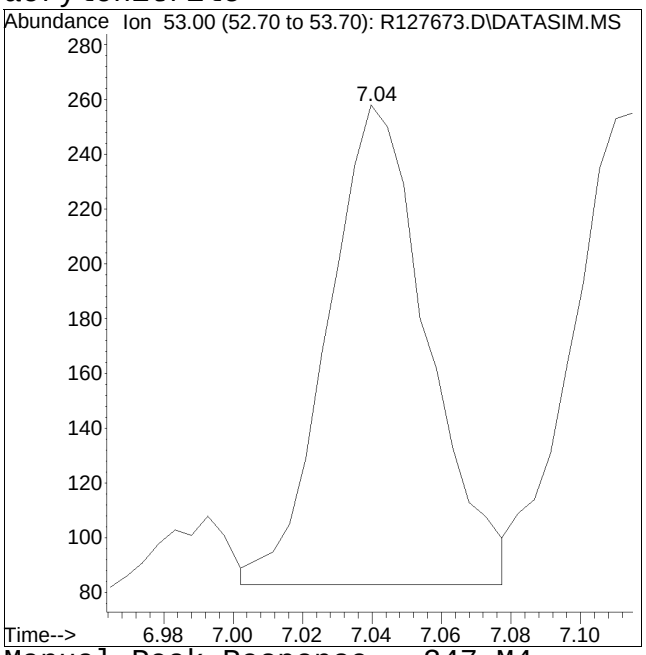
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #15: acrylonitrile



Original Peak Response = 305



Manual Peak Response = 347 M4

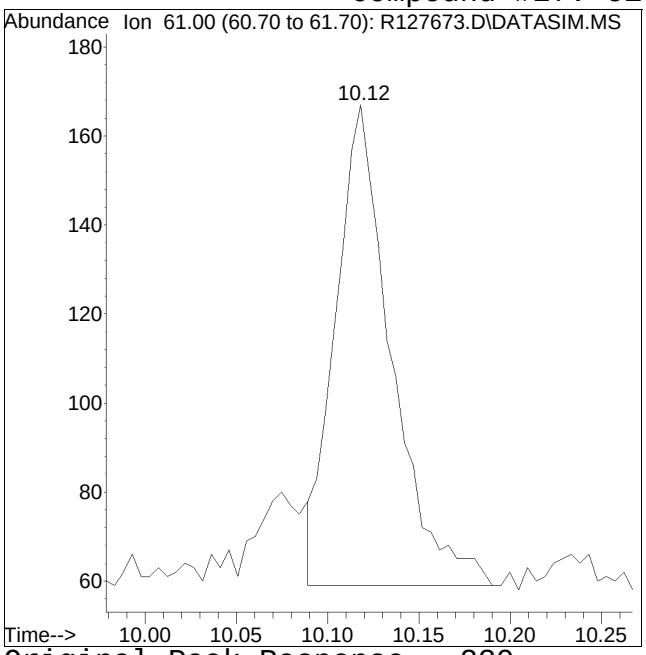
M4 = Poor automated baseline construction.

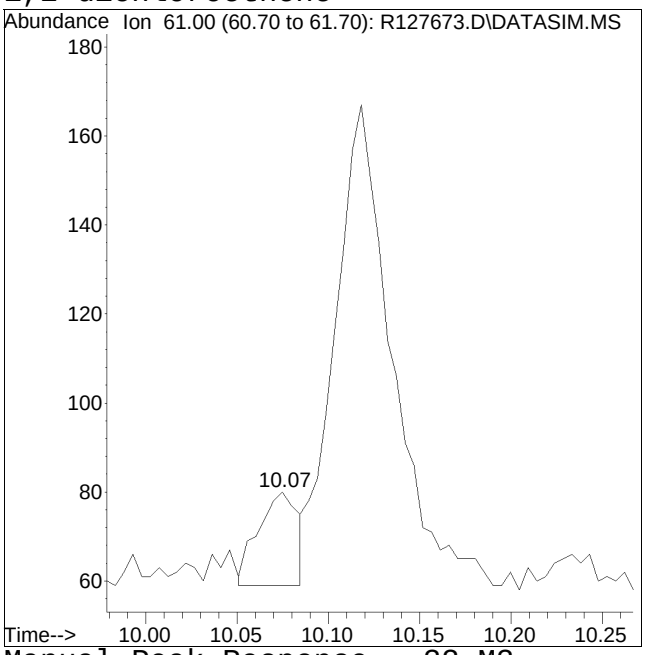
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #27: cis-1,2-dichloroethene





Original Peak Response = 230 Manual Peak Response = 32 M3

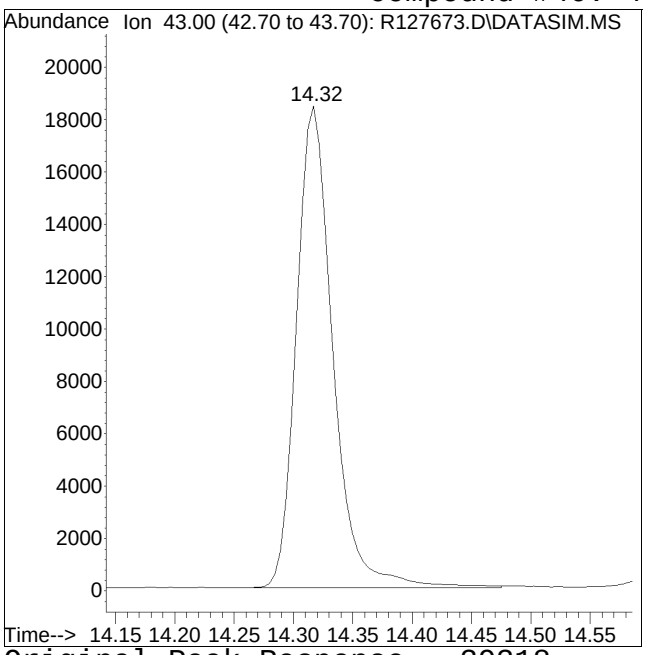
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

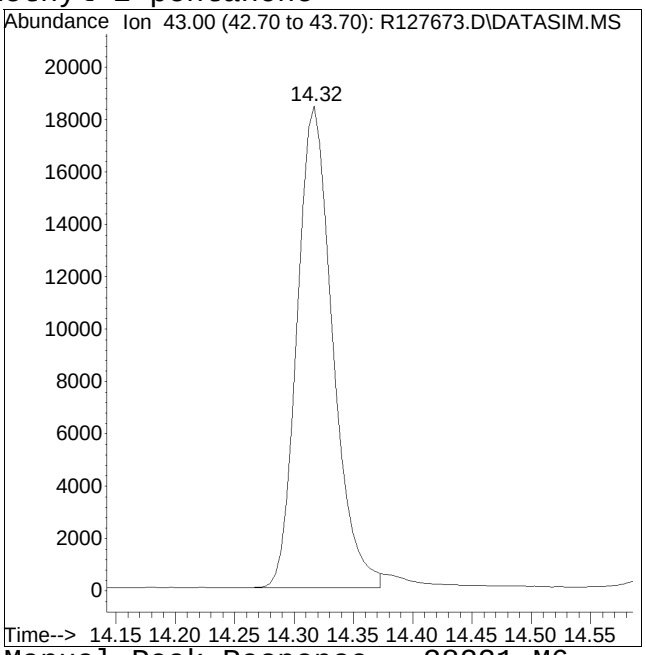
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 39318



Manual Peak Response = 38221 M6

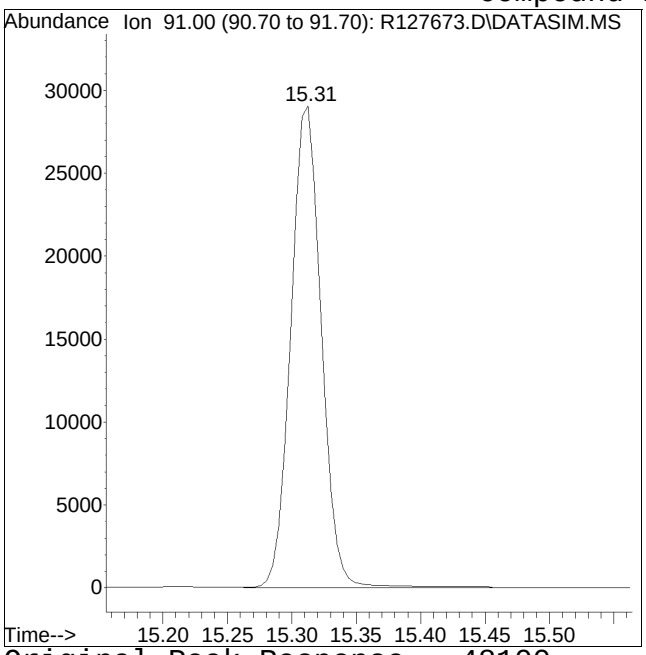
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

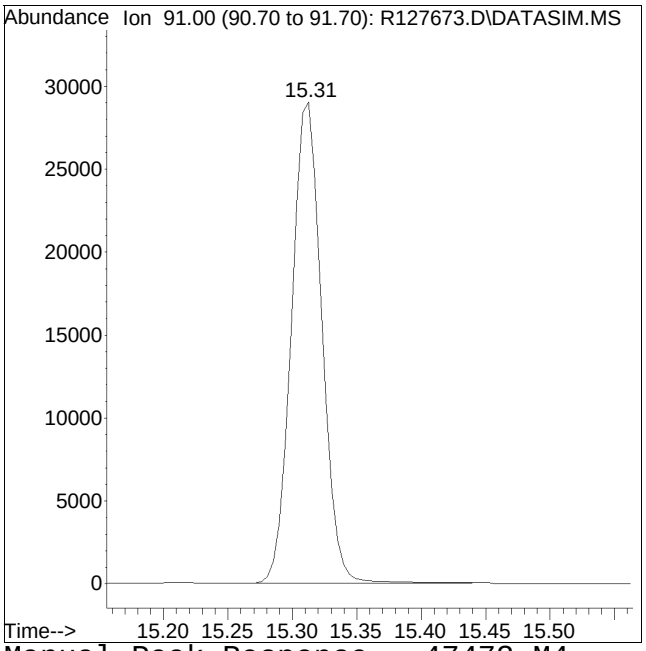
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #50: toluene



Original Peak Response = 48100



Manual Peak Response = 47473 M4

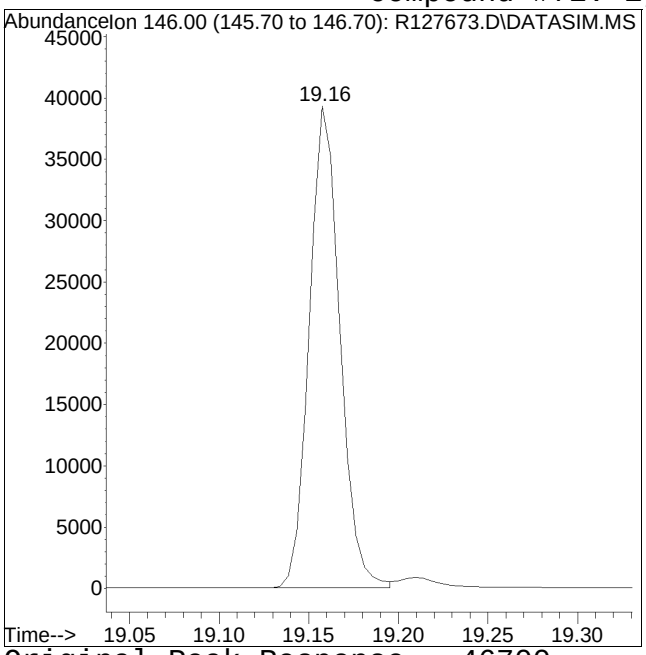
M4 = Poor automated baseline construction.

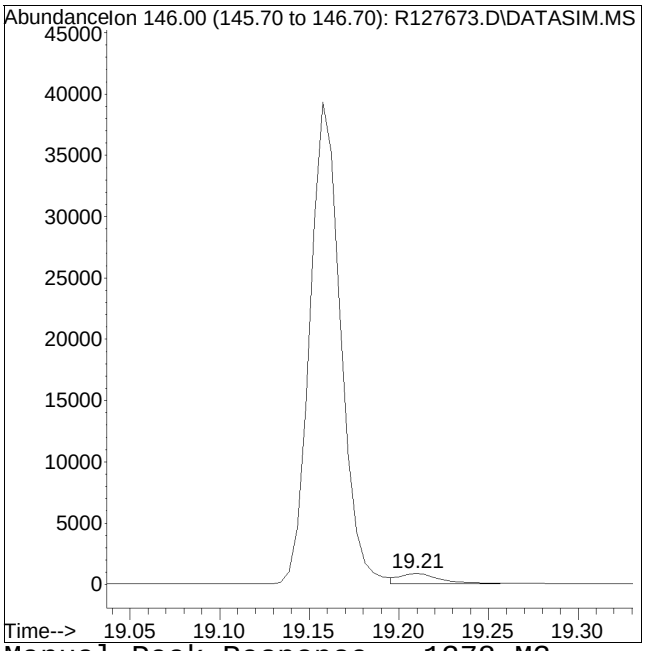
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 46700 Manual Peak Response = 1378 M3

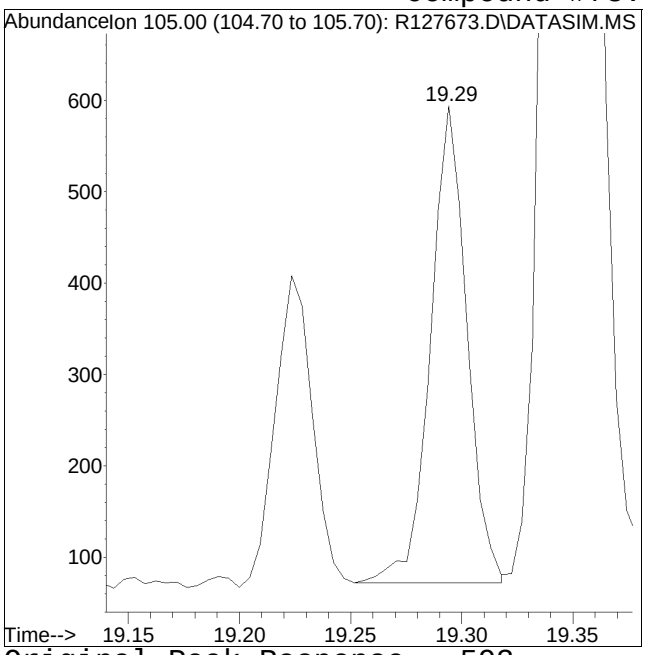
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

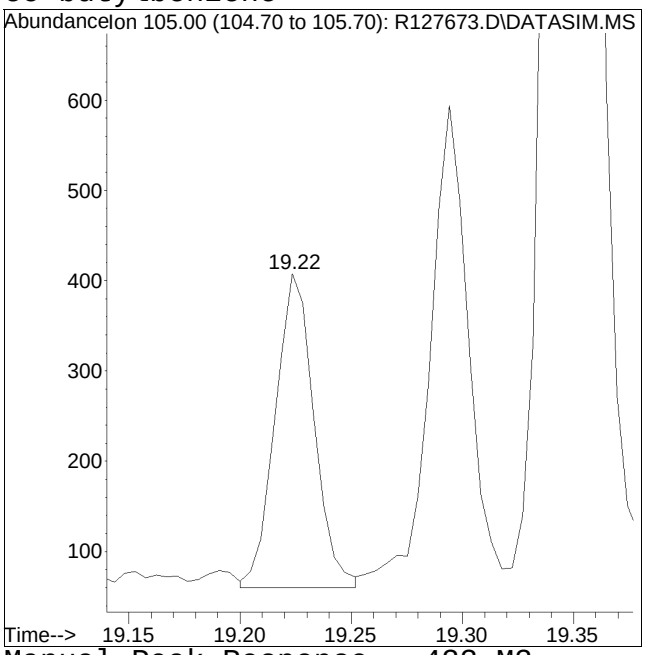
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #73: sec-butylbenzene





Original Peak Response = 593 Manual Peak Response = 423 M3

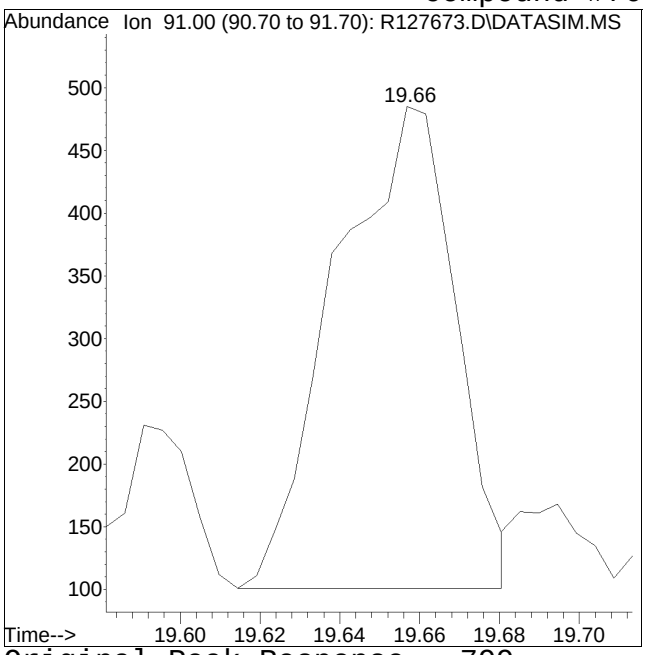
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

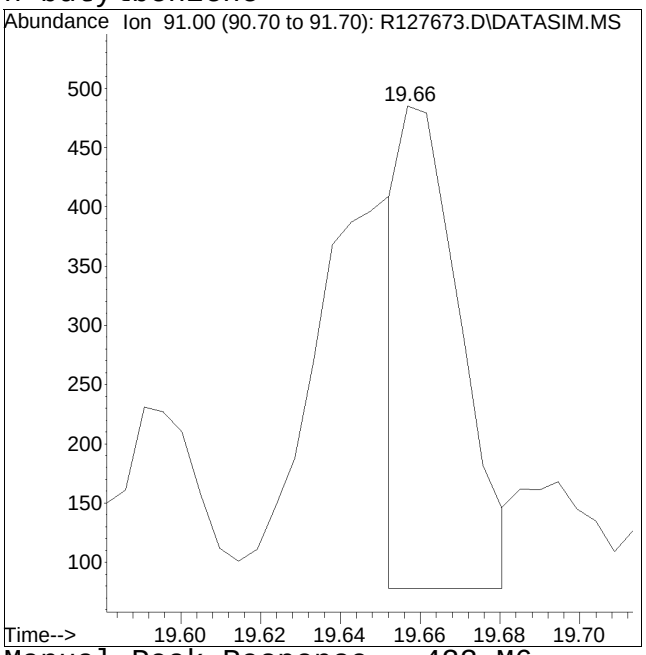
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127673.D
Date Inj'd : 4/15/2013 8:49 pm
Sample : L1306330-16D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #76: n-butylbenzene



Original Peak Response = 799



Manual Peak Response = 423 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127674.D
Acq On : 15 Apr 2013 9:21 pm
Operator : AIRPIANO1:MB
Sample : L1306330-17D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 17 11:23:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	274864	10.000	ppbV	0.00
Standard Area = 277541			Recovery =	99.04%		
32) 1,4-difluorobenzene	12.49	114	559488	10.000	ppbV	0.00
Standard Area = 568916			Recovery =	98.34%		
49) chlorobenzene-D5	16.90	54	137488	10.000	ppbV	0.00
Standard Area = 138075			Recovery =	99.57%		
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	2728	0.077	ppbV	98
4) chloromethane	4.40		0	N.D.		
5) Freon-114	4.55		0	N.D.		
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	157	0.012	ppbV #	40
8) bromomethane	0.00		0	N.D.	d	
9) chloroethane	5.54		0	N.D.		
12) acetone	6.41	43	60816	2.045	ppbV #	98
13) trichlorofluoromethane	6.62	101	1499	0.035	ppbV	96
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64		0	N.D.		
20) Freon 113	7.99	101	23847	0.804	ppbV	99
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.57	43	47537	1.020	ppbV	98
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	30459	0.948	ppbV	99
31) 1,2-dichloroethane	11.15		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	377732	12.611	ppbV	97
36) benzene	12.09	78	2626	0.059	ppbV	94
37) carbon tetrachloride	12.25	117	1110778	33.817	ppbV	100
39) 1,2-dichloropropane	13.00		0	N.D.		
40) bromodichloromethane	13.23		0	N.D.		
42) trichloroethene	13.29	130	512	0.024	ppbV	92
45) cis-1,3-dichloropropene	14.28		0	N.D.		
46) 4-methyl-2-pentanone	14.33	43	15106	0.301	ppbV	99
47) trans-1,3-dichloropropene	14.86		0	N.D.		

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127674.D
Acq On : 15 Apr 2013 9:21 pm
Operator : AIRPIANO1:MB
Sample : L1306330-17D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 17 11:23:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

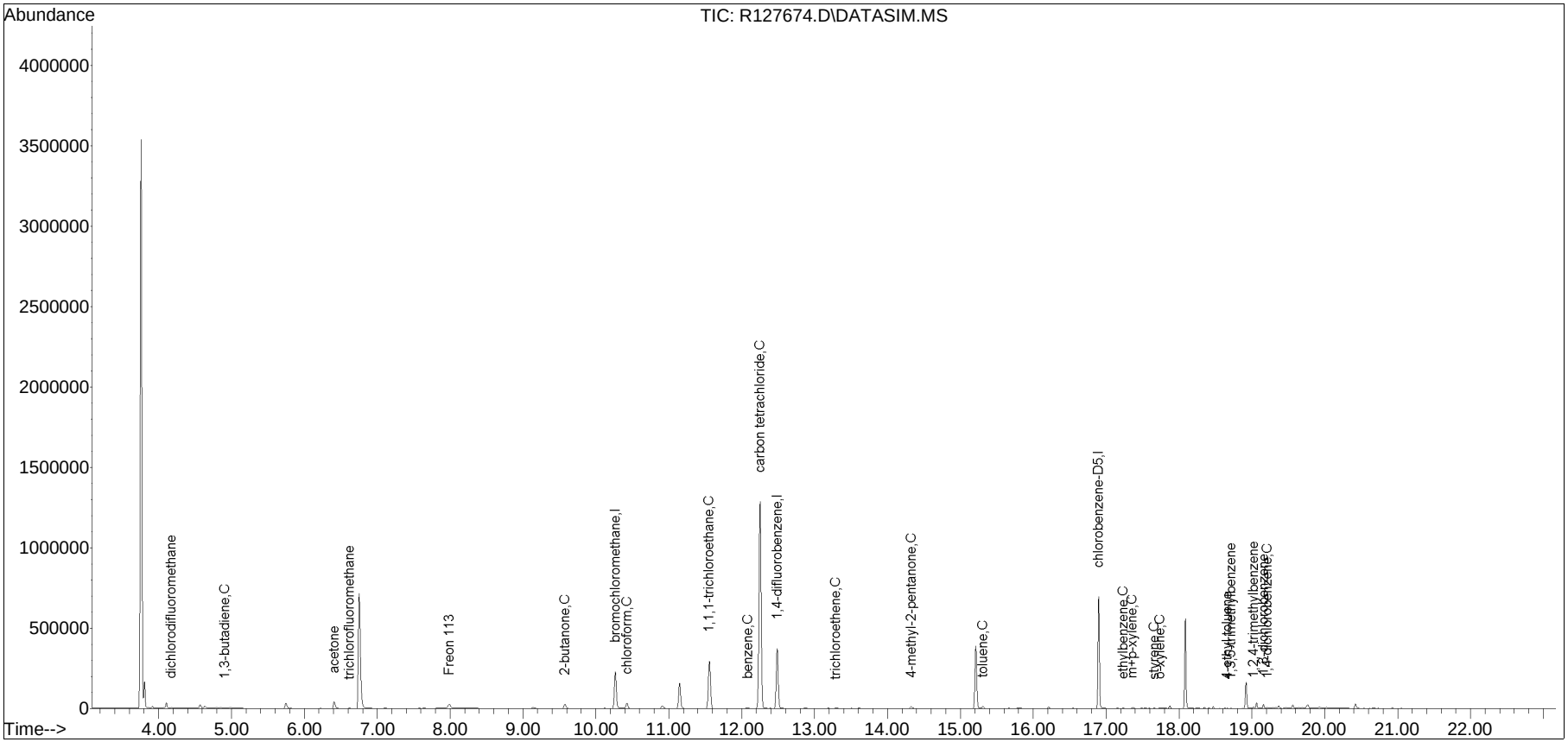
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	12452	0.223	ppbV		100
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	2216M4	0.031	ppbV		
59) m+p-xylene	17.36	91	5520	0.099	ppbV		98
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	377	0.009	ppbV	#	80
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.			
63) o-xylene	17.74	91	2568	0.044	ppbV		97
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	1794	0.021	ppbV	#	91
67) 1,3,5-trimethylbenzene	18.72	105	1716	0.025	ppbV	#	97
69) 1,2,4-trimethylbenzene	19.03	105	5414	0.078	ppbV	#	53
71) 1,3-dichlorobenzene	19.16	146	18016	0.345	ppbV		92
72) 1,4-dichlorobenzene	19.21	146	5287M4	0.099	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05		0	N.D.			
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

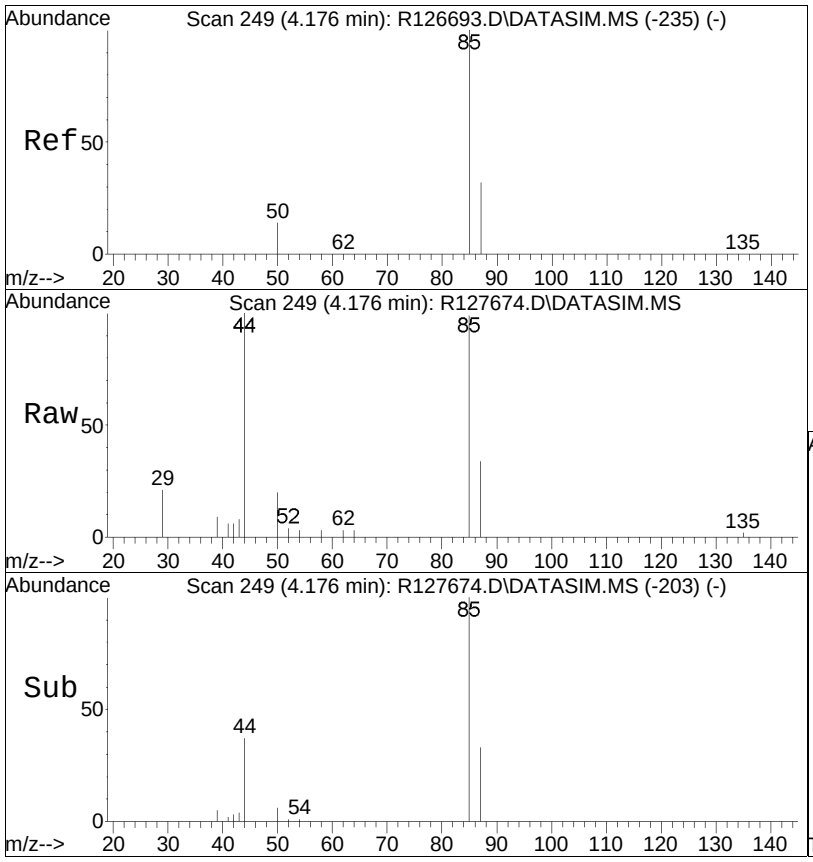
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127674.D
Acq On : 15 Apr 2013 9:21 pm
Operator : AIRPIANO1:MB
Sample : L1306330-17D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 17 11:23:34 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

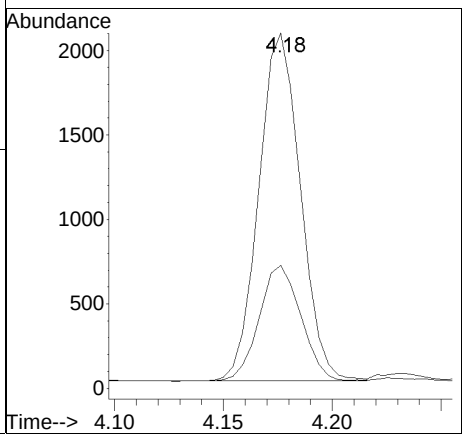


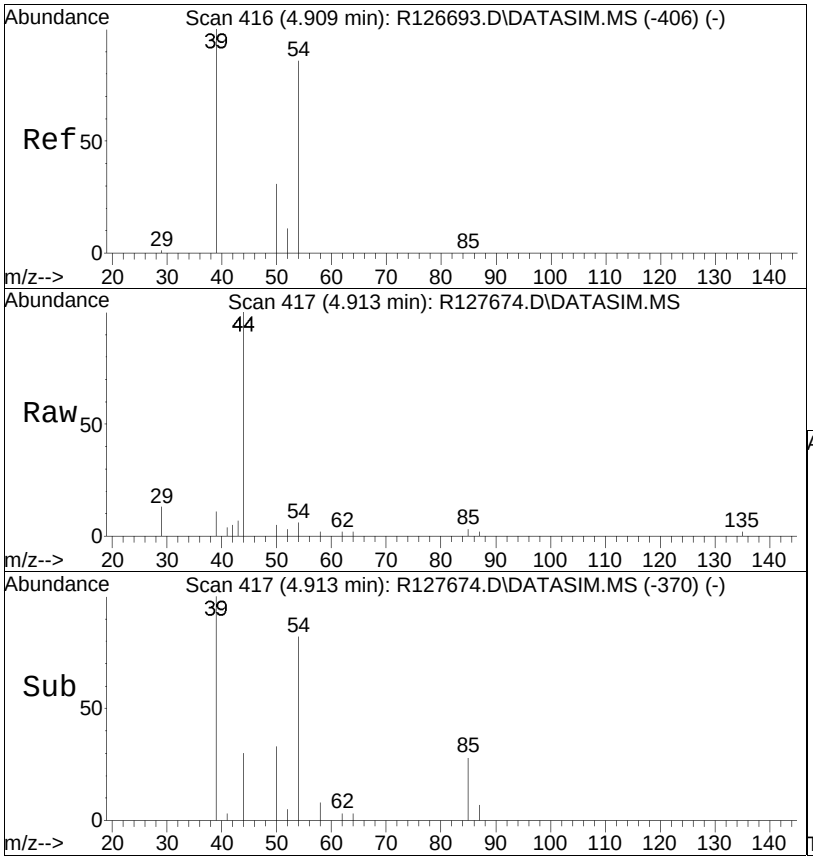


#3
dichlorodifluoromethane
Concen: 0.08 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 85 Resp: 2728

Ion	Ratio	Lower	Upper
85	100		
87	34.6	26.6	40.0

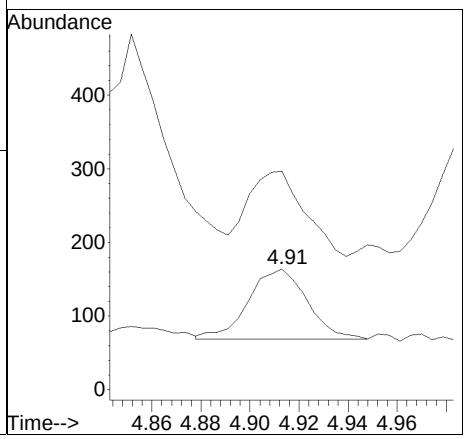


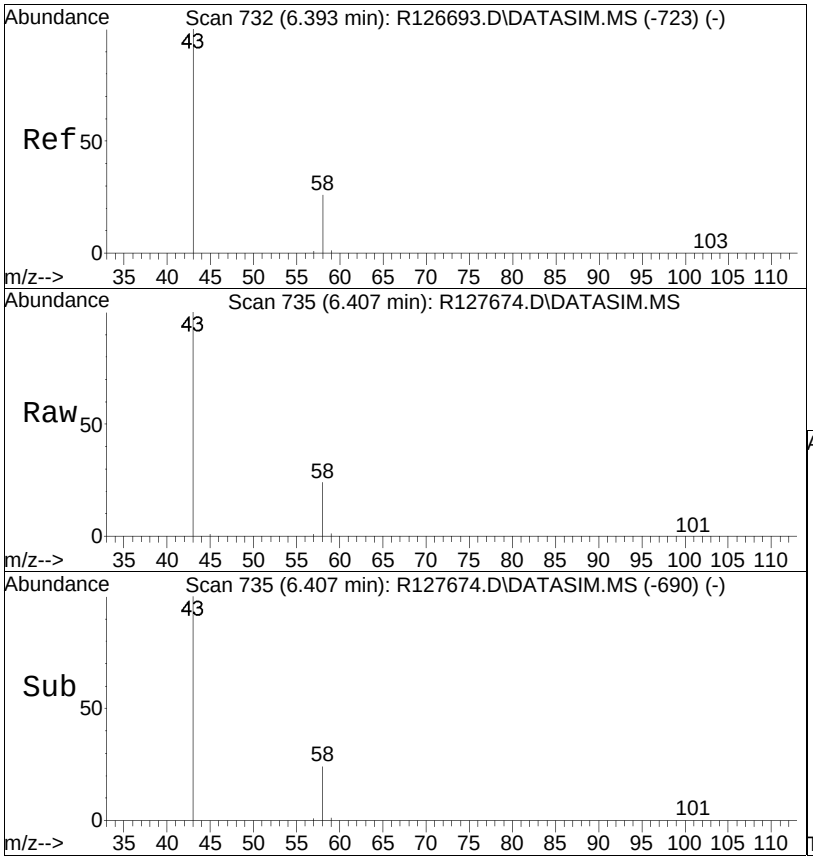


#7
1,3-butadiene
Concen: 0.01 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 54 Resp: 157

Ion	Ratio	Lower	Upper
54	100		
39	181.1	92.4	138.6#

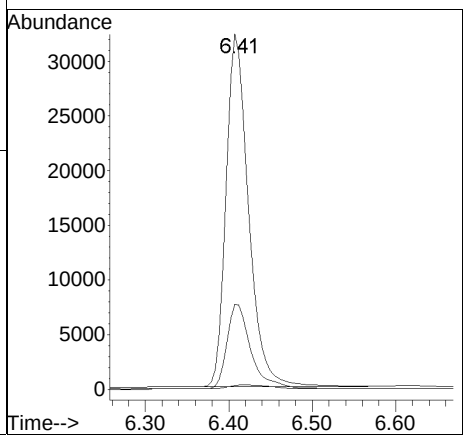


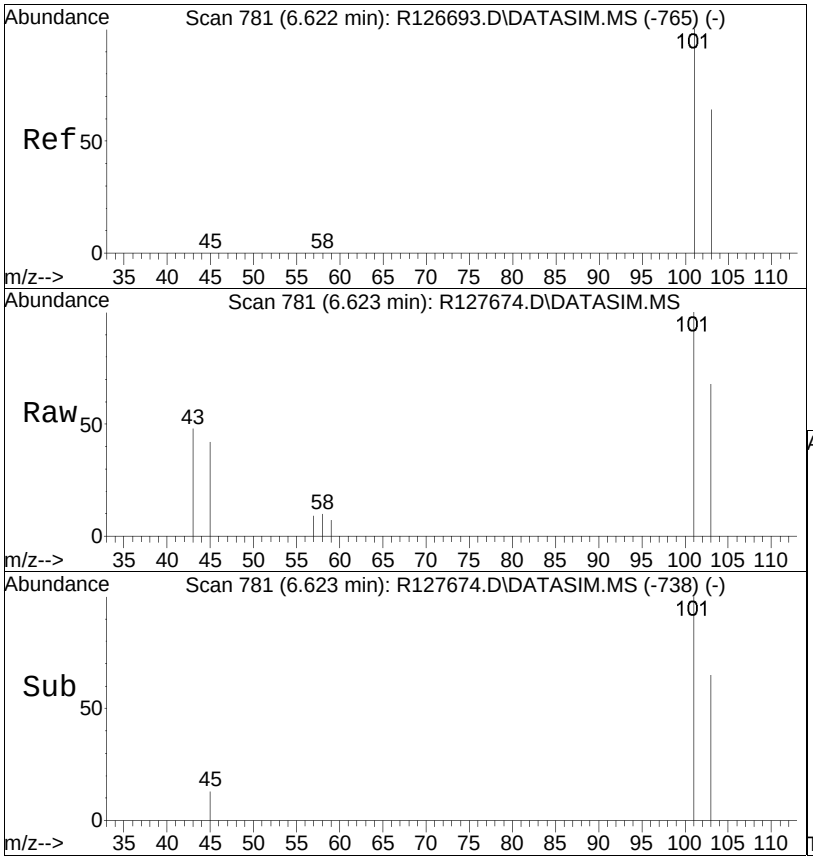


#12
acetone
Concen: 2.04 ppbV
RT: 6.41 min Scan# 735
Delta R.T. 0.014 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 43 Resp: 60816

Ion	Ratio	Lower	Upper
43	100		
58	24.0	20.0	30.0
57	1.1	0.6	1.0#

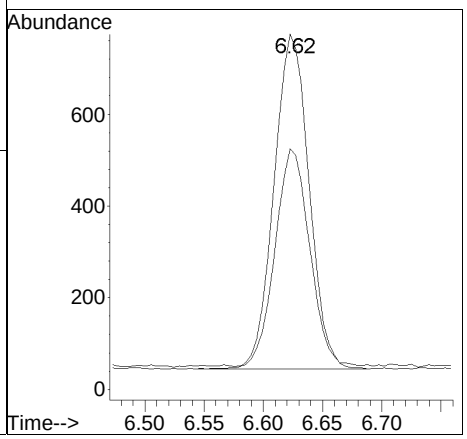


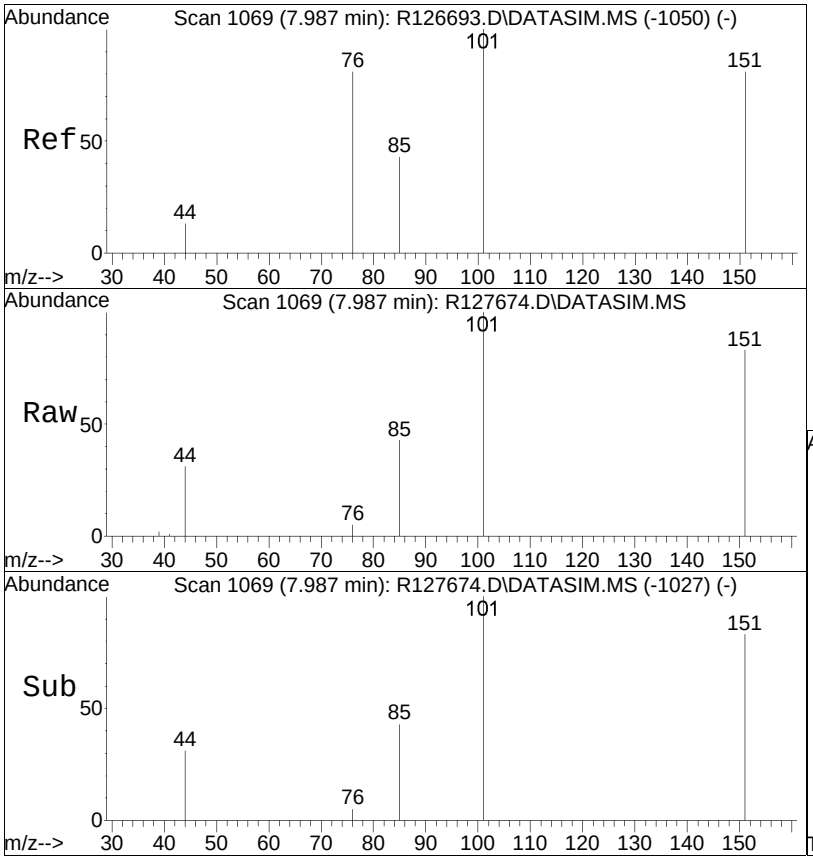


#13
trichlorofluoromethane
Concen: 0.04 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:101 Resp: 1499

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.6	77.4

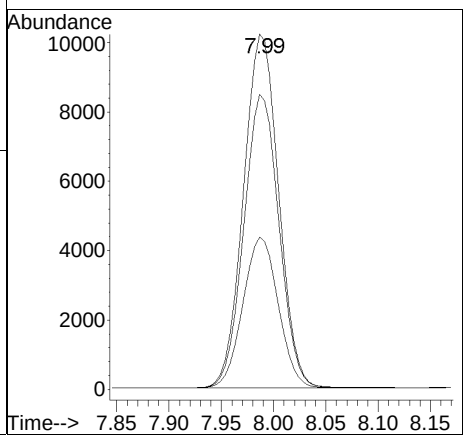


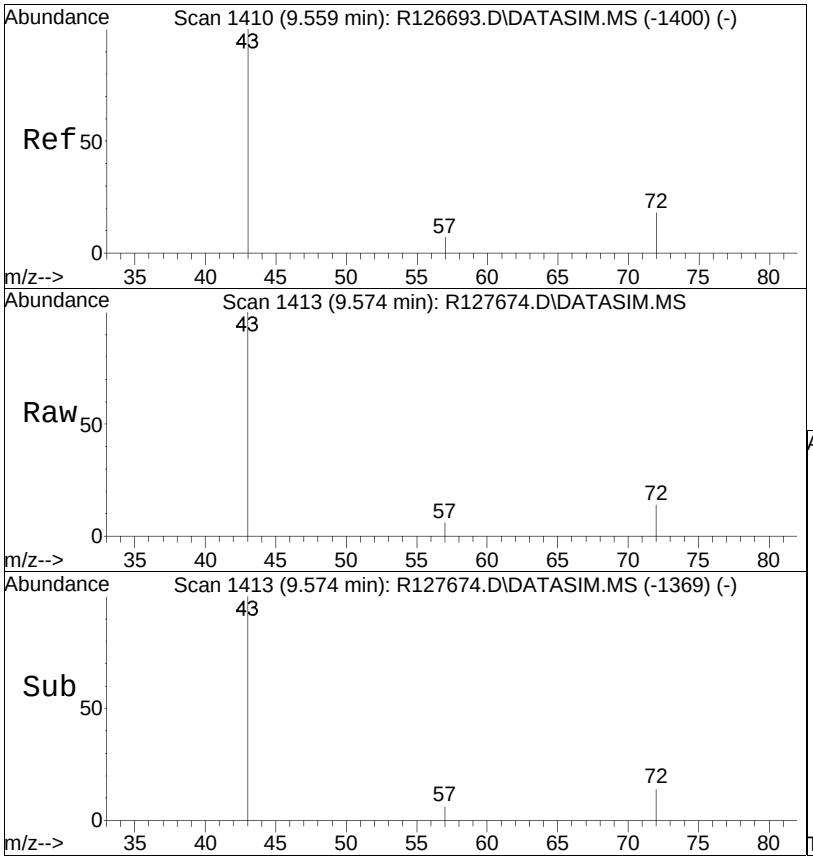


#20
Freon 113
Concen: 0.80 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:101 Resp: 23847

Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.2	51.2
151	83.1	67.8	101.8

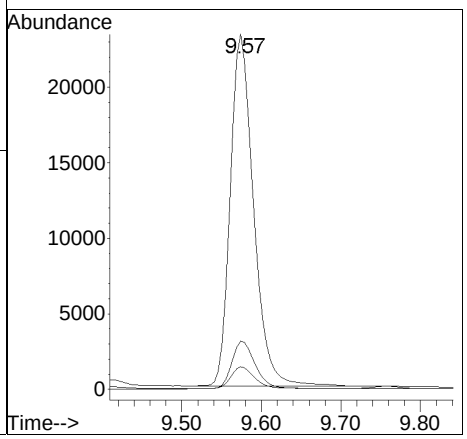


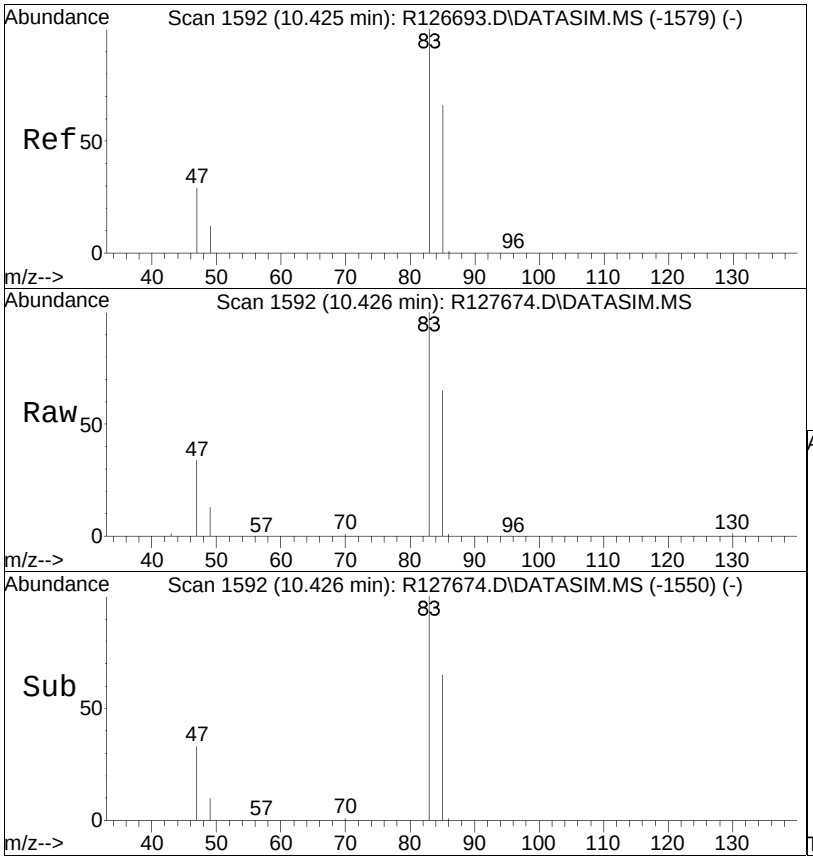


#26
2-butanone
Concen: 1.02 ppbV
RT: 9.57 min Scan# 1413
Delta R.T. 0.009 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 43 Resp: 47537

Ion	Ratio	Lower	Upper
43	100		
72	13.6	12.0	18.0
57	6.4	5.2	7.8

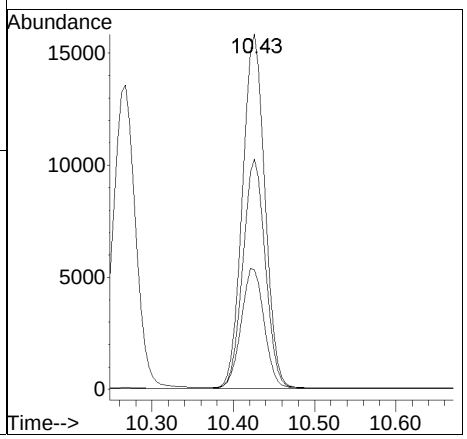


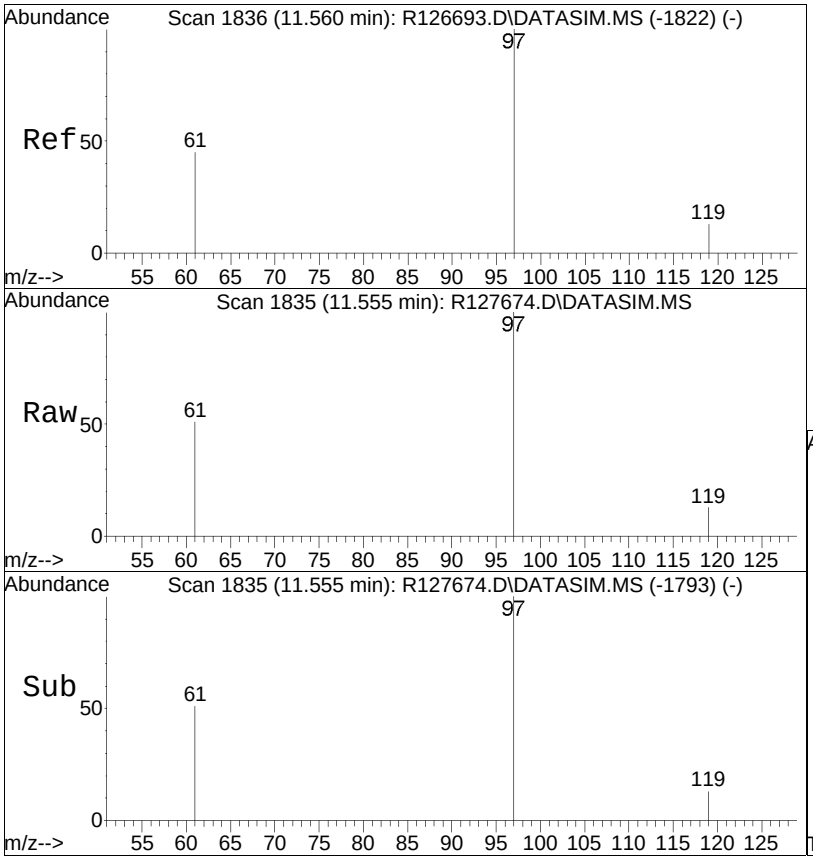


#29
chloroform
Concen: 0.95 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 83 Resp: 30459

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2
47	33.6	26.4	39.6

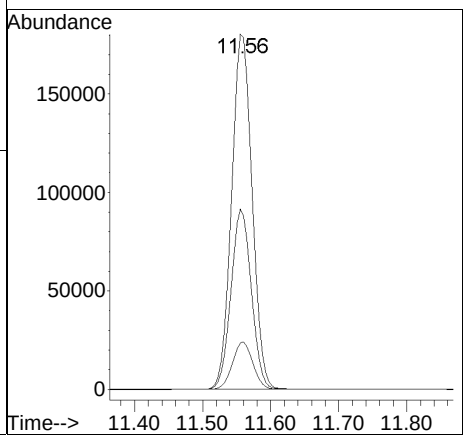


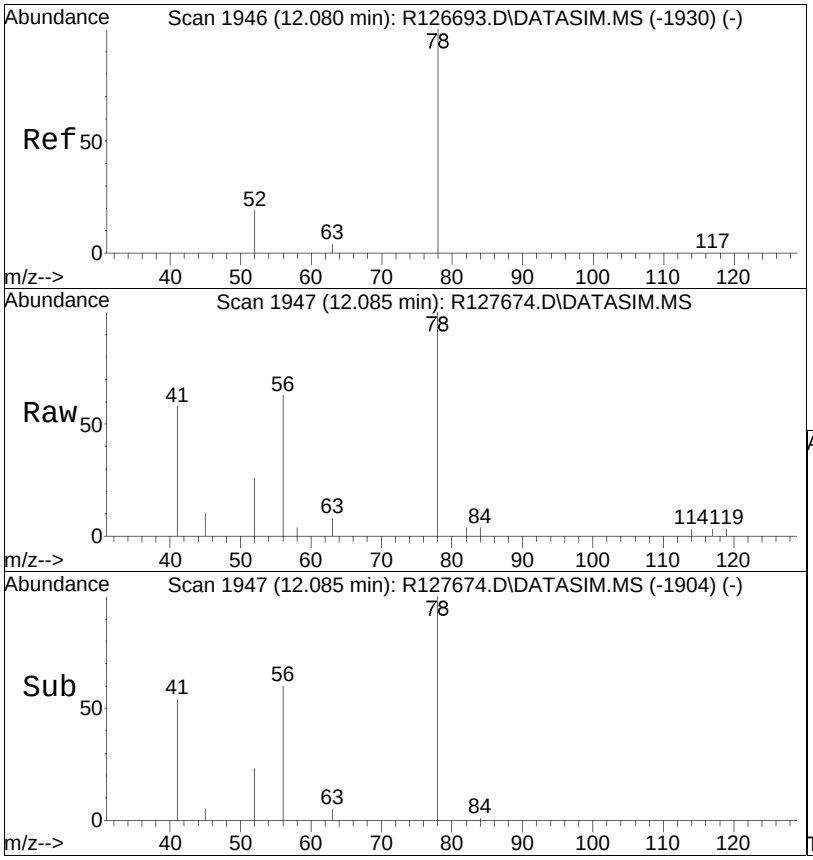


#35
1,1,1-trichloroethane
Concen: 12.61 ppbV
RT: 11.56 min Scan# 1835
Delta R.T. -0.005 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 97 Resp: 377732

Ion	Ratio	Lower	Upper
97	100		
61	50.7	38.6	58.0
119	13.1	11.0	16.6

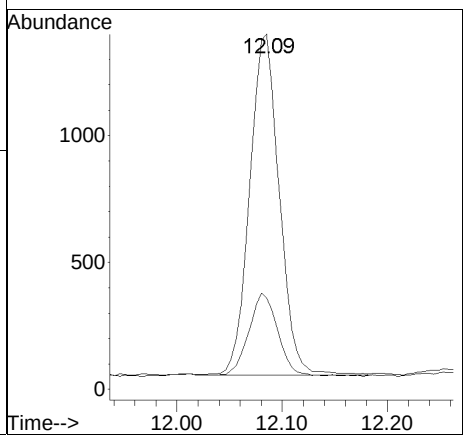


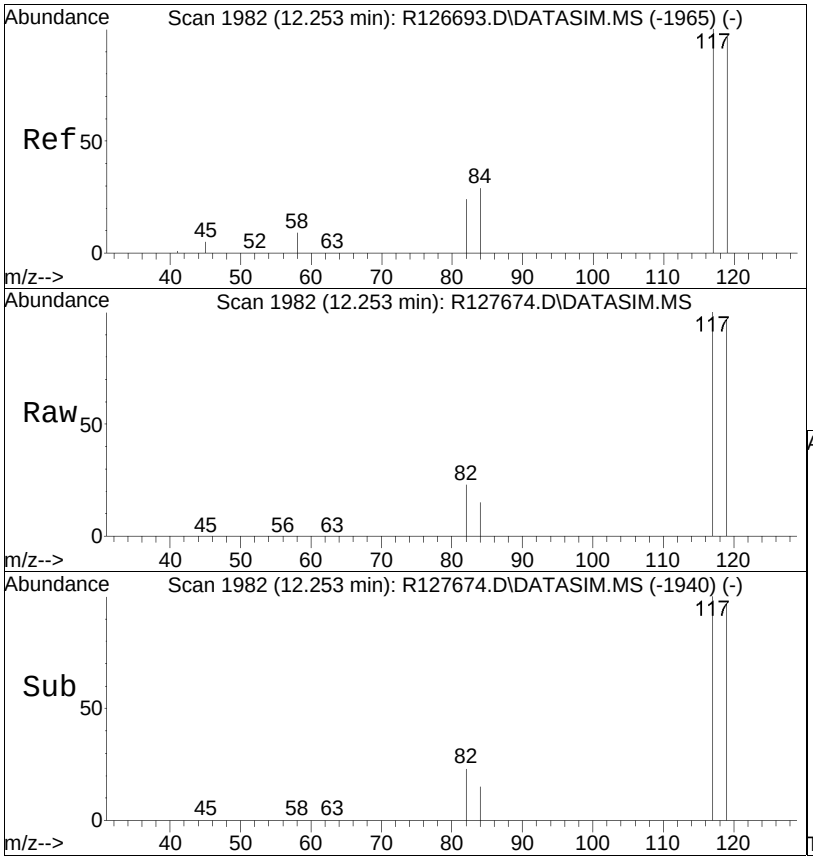


#36
benzene
Concen: 0.06 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 78 Resp: 2626

Ion	Ratio	Lower	Upper
78	100		
52	25.8	18.5	27.7

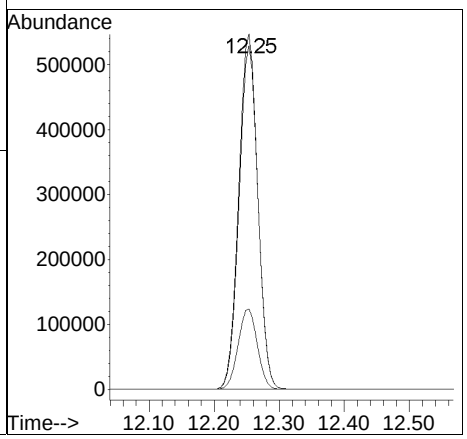


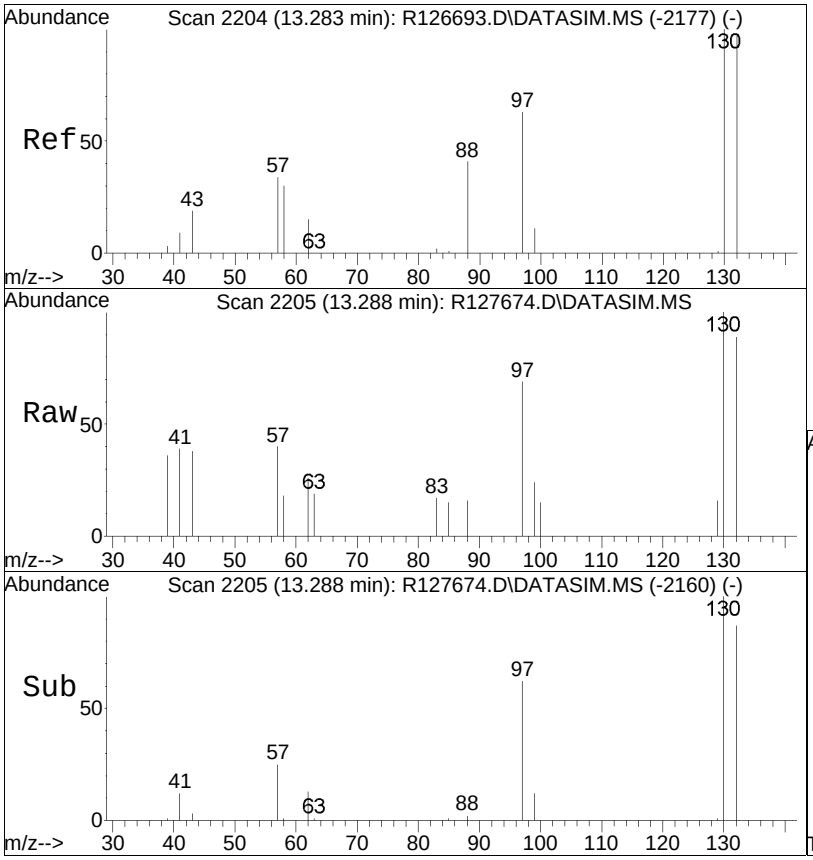


#37
carbon tetrachloride
Concen: 33.82 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:117 Resp: 1110778

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
82	22.7	18.2	27.2

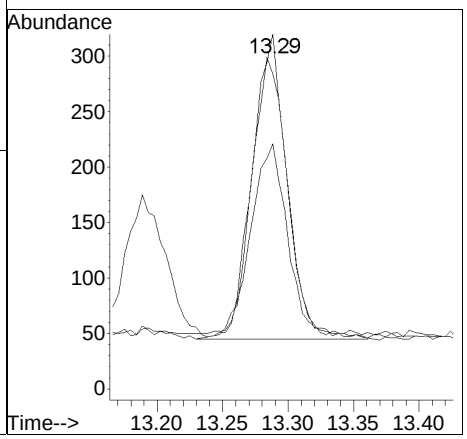


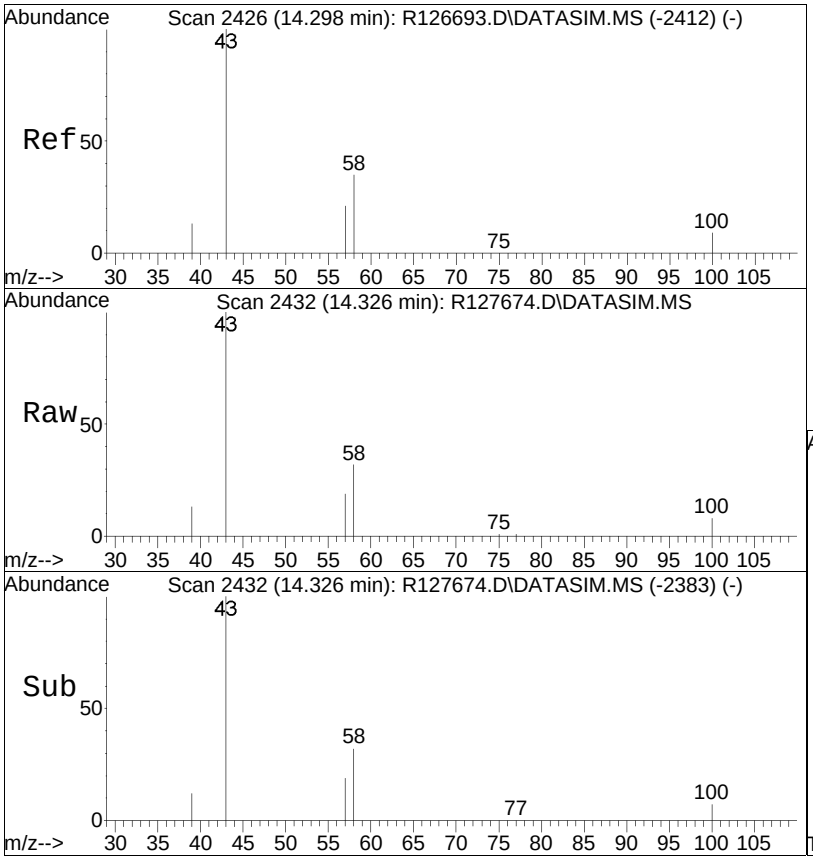


#42
trichloroethene
Concen: 0.02 ppbV
RT: 13.29 min Scan# 2205
Delta R.T. 0.005 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:130 Resp: 512

Ion	Ratio	Lower	Upper
130	100		
132	88.8	77.3	115.9
97	69.1	50.6	75.8

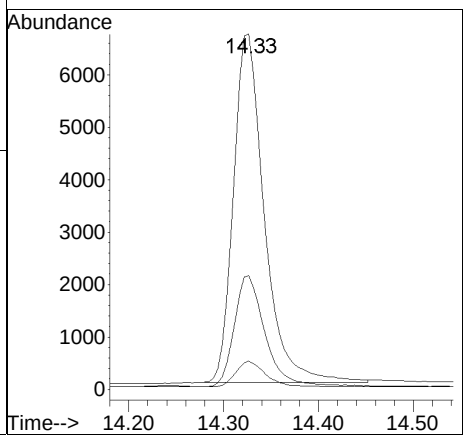


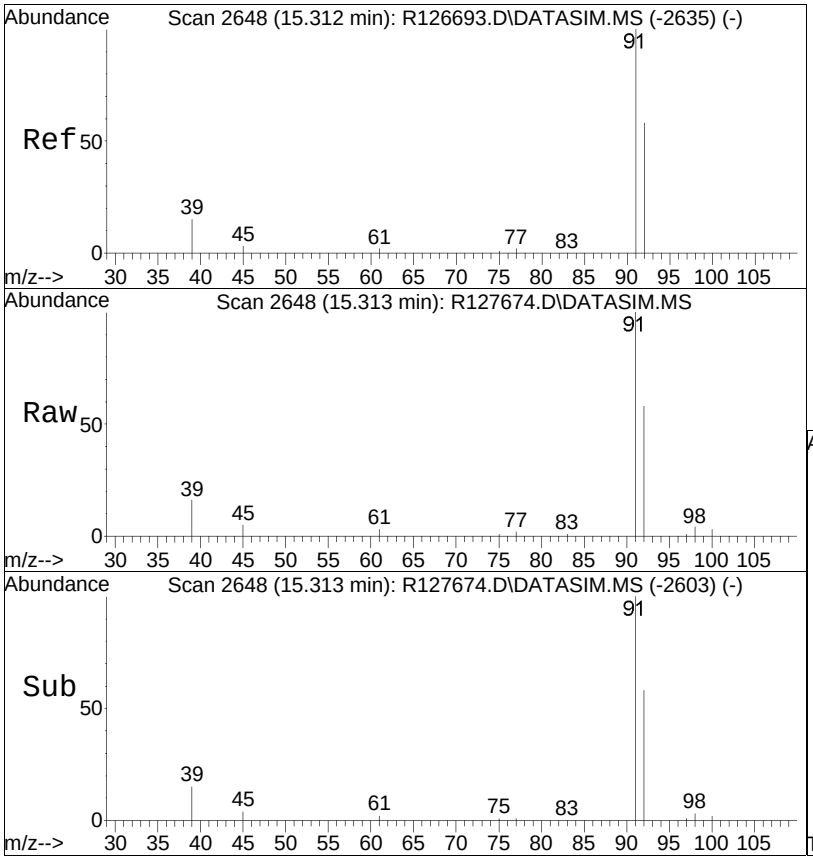


#46
4-methyl-2-pentanone
Concen: 0.30 ppbV
RT: 14.33 min Scan# 2432
Delta R.T. 0.028 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 43 Resp: 15106

Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.0	39.0
100	8.0	5.8	8.6

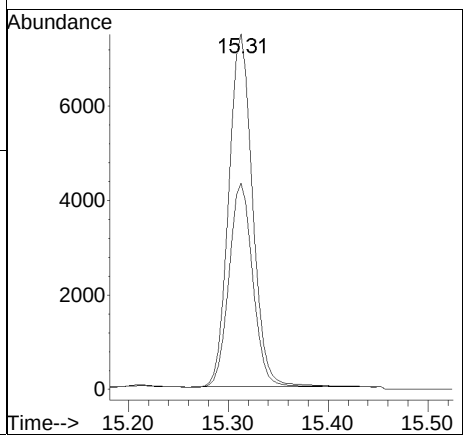


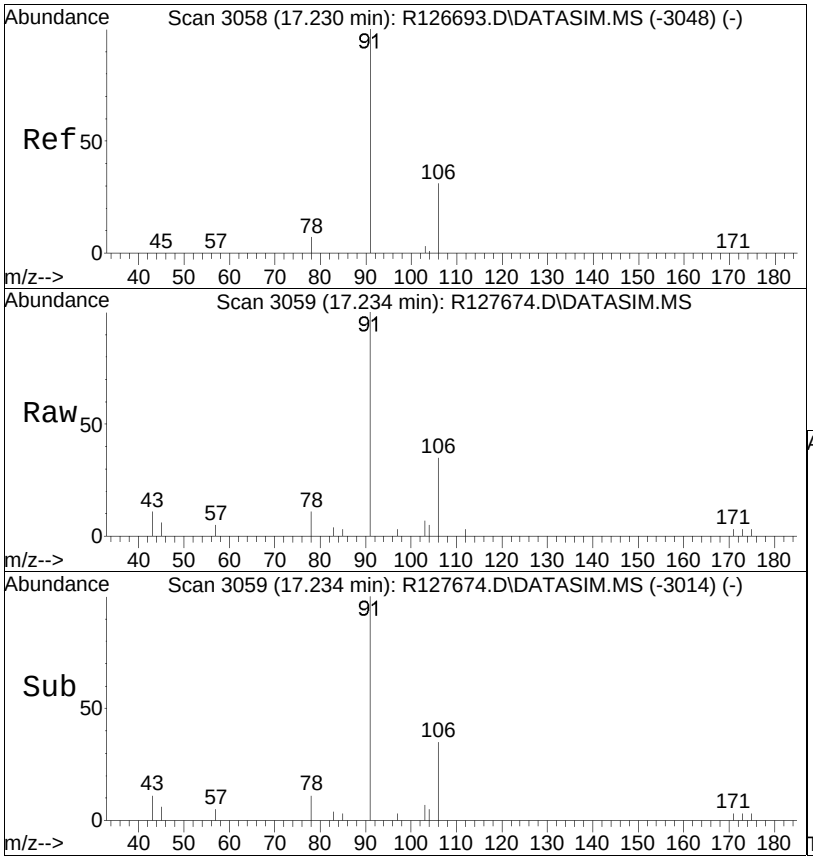


#50
toluene
Concen: 0.22 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 91 Resp: 12452

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.4	69.6

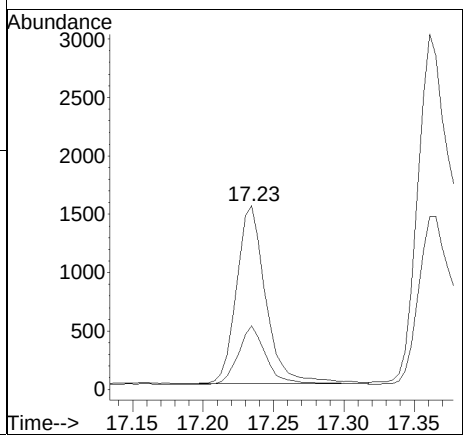


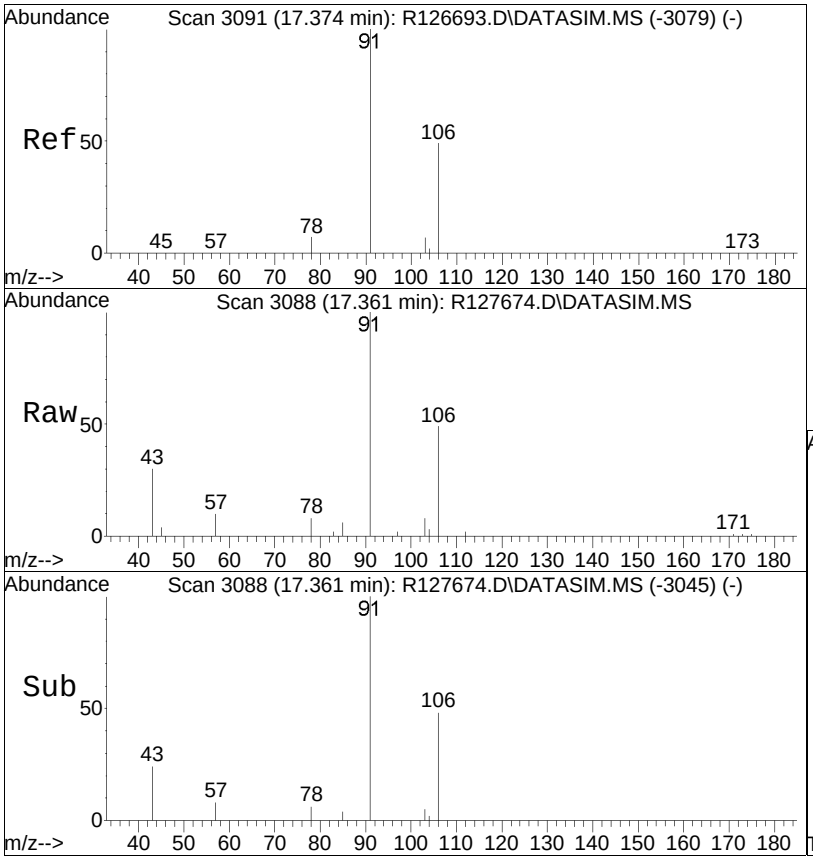


#58
ethylbenzene
Concen: 0.03 ppbV m
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 91 Resp: 2216

Ion	Ratio	Lower	Upper
91	100		
106	34.6	25.3	37.9

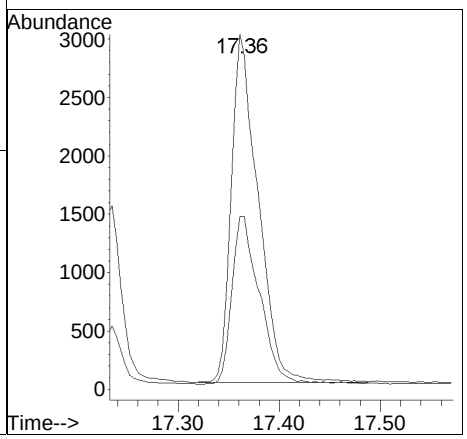


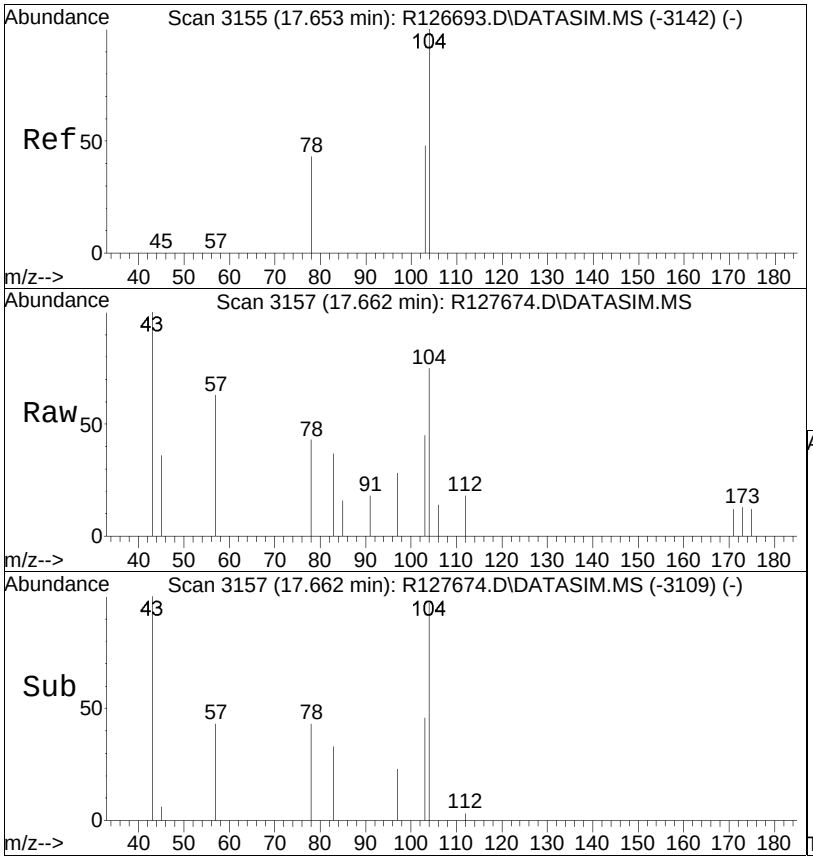


#59
m+p-xylene
Concen: 0.10 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 91 Resp: 5520

Ion	Ratio	Lower	Upper
91	100		
106	48.6	40.0	60.0

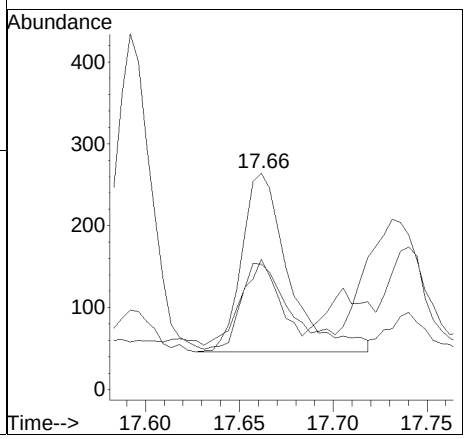


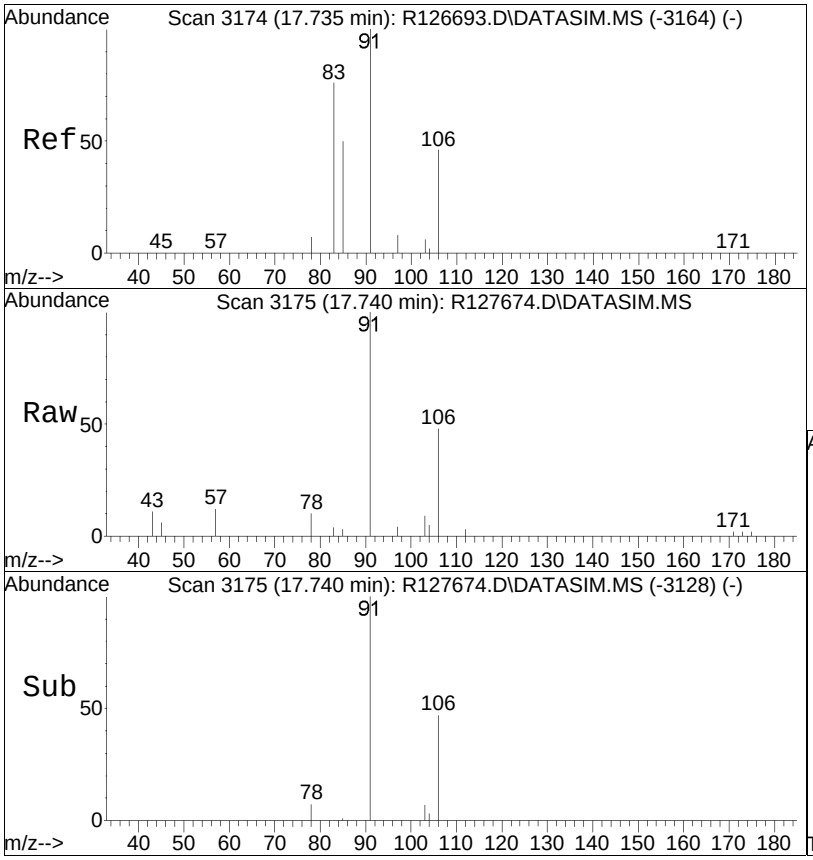


#61
styrene
Concen: 0.01 ppbV
RT: 17.66 min Scan# 3157
Delta R.T. 0.009 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:104 Resp: 377

Ion	Ratio	Lower	Upper
104	100		
103	60.2	38.3	57.5#
78	58.0	35.0	52.6#

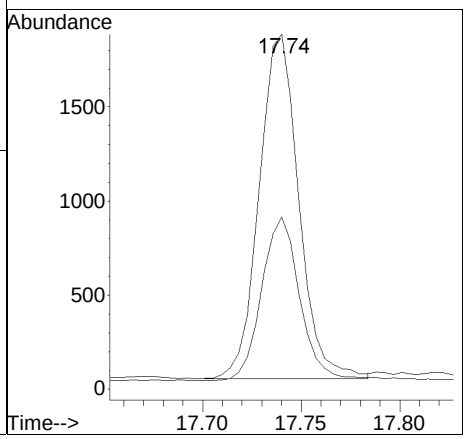


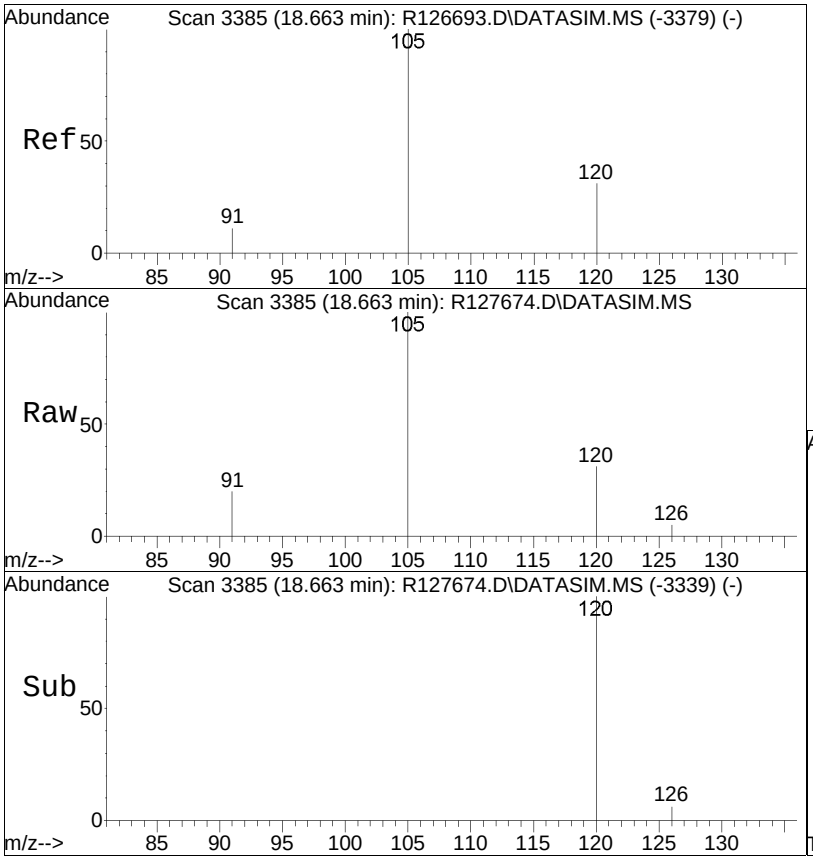


#63
o-xylene
Concen: 0.04 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion: 91 Resp: 2568

Ion	Ratio	Lower	Upper
91	100		
106	48.5	37.1	55.7

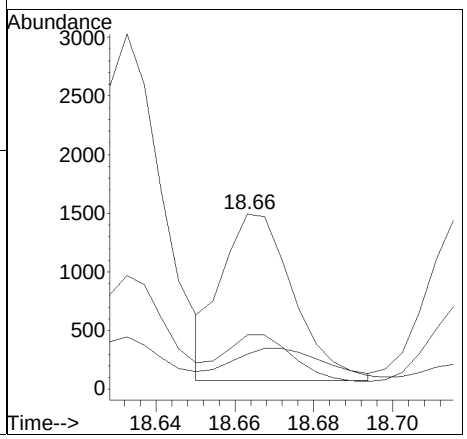


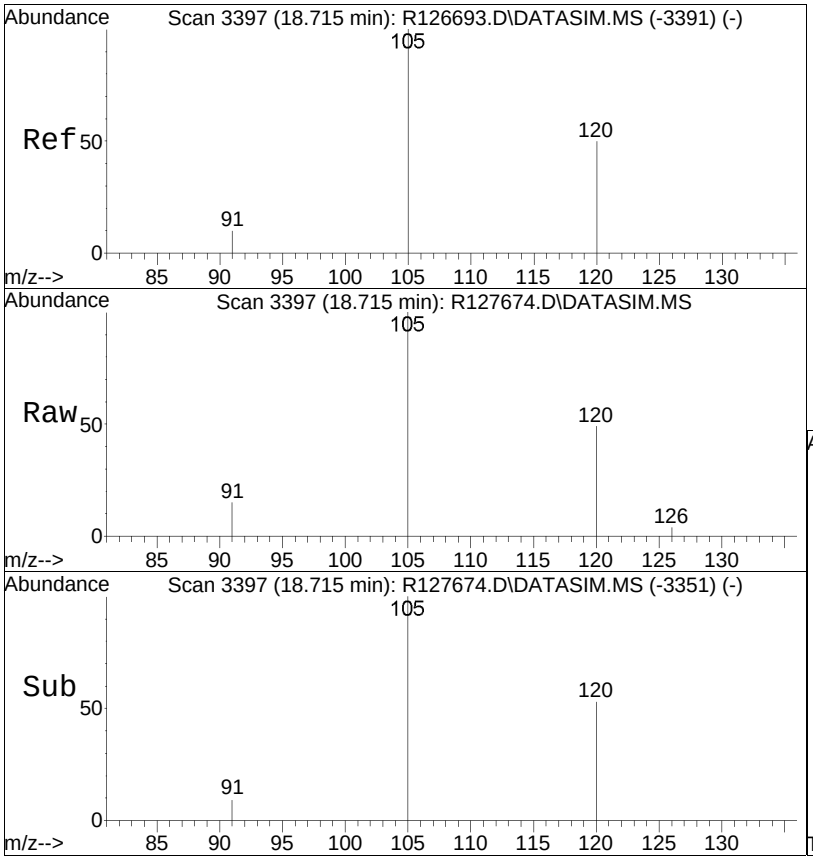


#66
4-ethyl toluene
Concen: 0.02 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:105 Resp: 1794

Ion	Ratio	Lower	Upper
105	100		
120	31.1	23.7	35.5
91	20.1	8.5	12.7#

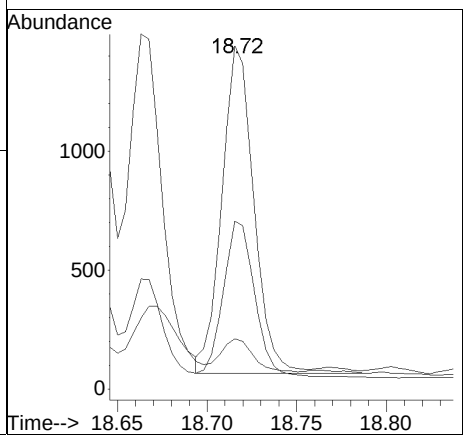


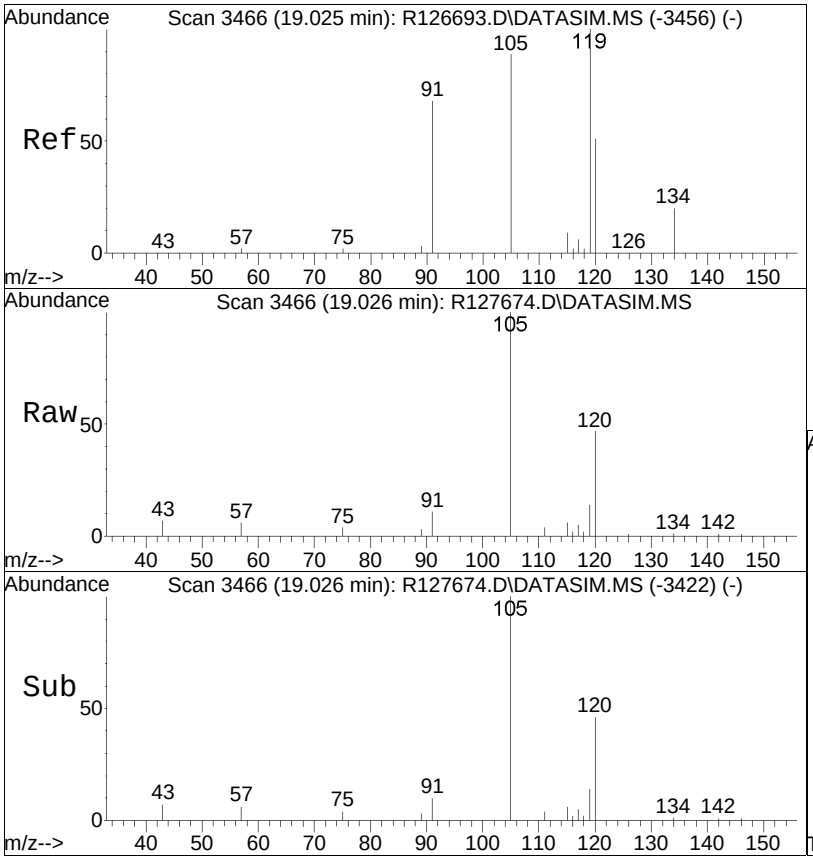


#67
1,3,5-trimethylbenzene
Concen: 0.02 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:105 Resp: 1716

Ion	Ratio	Lower	Upper
105	100		
120	49.0	39.0	58.4
91	14.8	8.0	12.0#

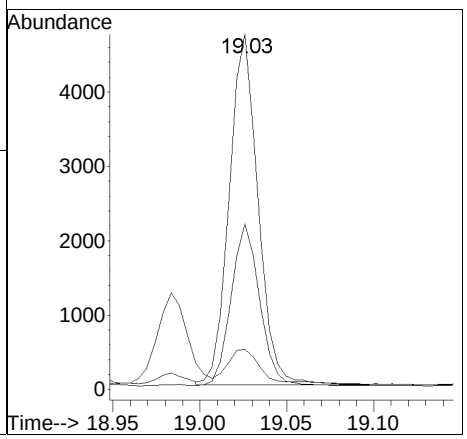


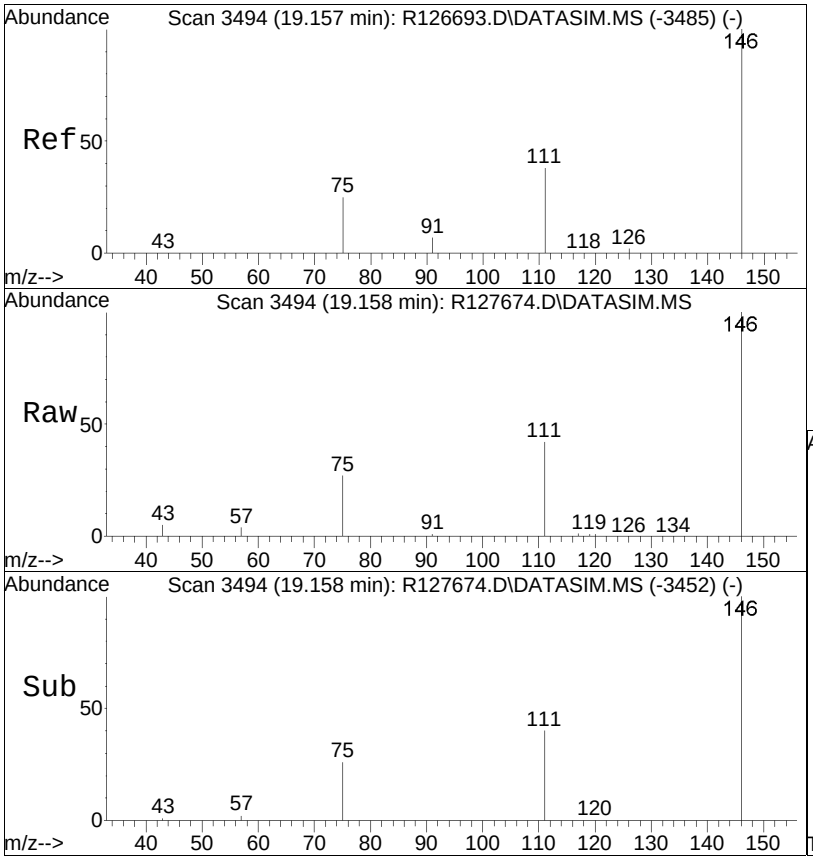


#69
1,2,4-trimethylbenzene
Concen: 0.08 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:105 Resp: 5414

Ion	Ratio	Lower	Upper
105	100		
120	46.6	44.9	67.3
91	11.3	58.6	88.0#

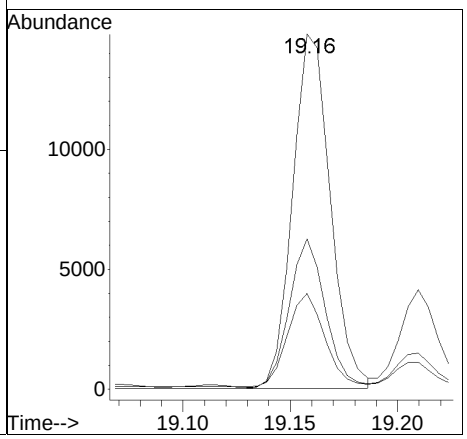


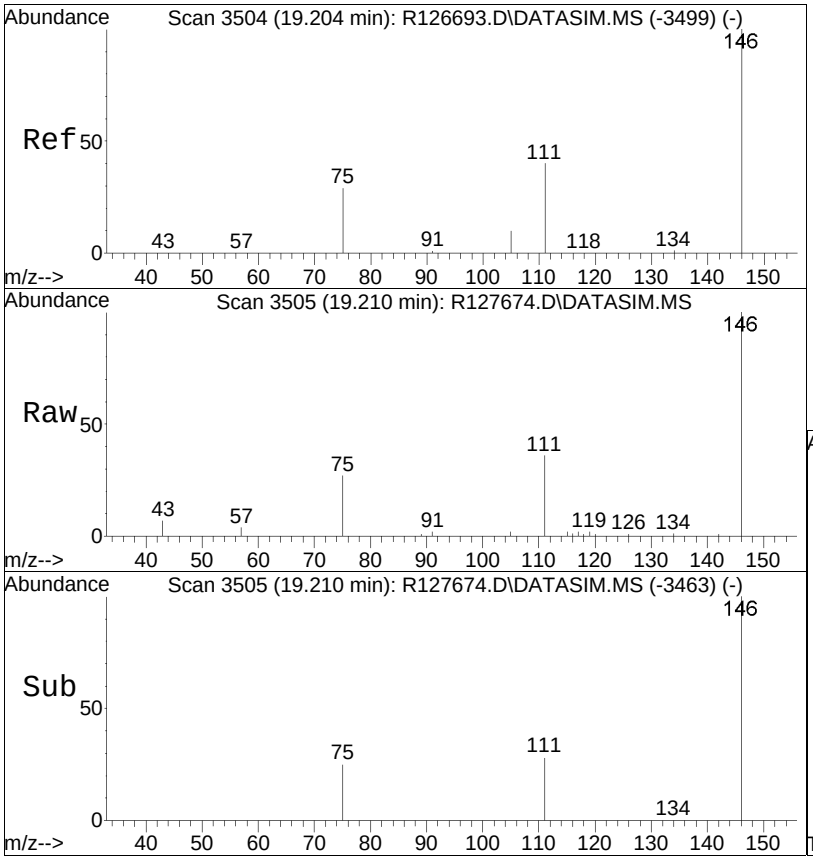


#71
1,3-dichlorobenzene
Concen: 0.34 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:146 Resp: 18016

Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.5	44.3
75	27.0	19.5	29.3

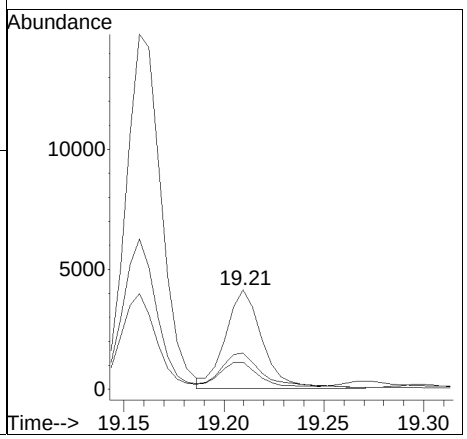




#72
1,4-dichlorobenzene
Concen: 0.10 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127674.D
Acq: 15 Apr 2013 9:21 pm

Tgt Ion:146 Resp: 5287

Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.4	39.6
75	27.4	18.0	27.0#

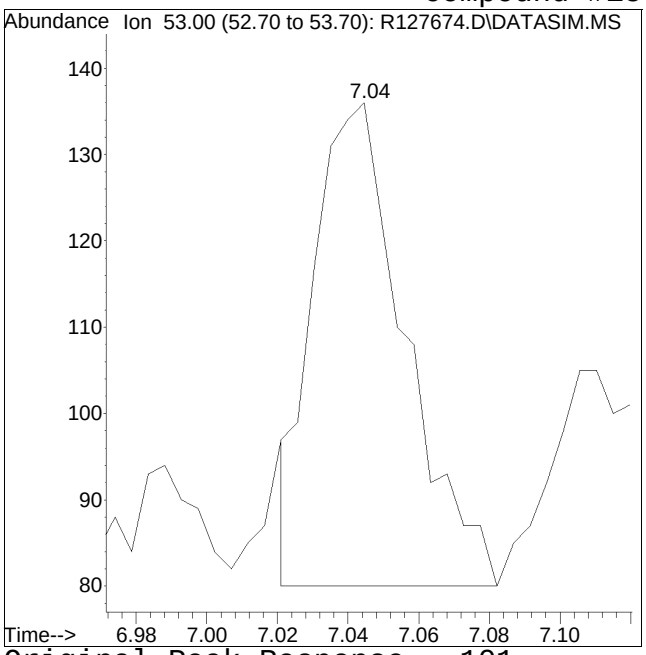


Manual Integration/Negative Proof Report

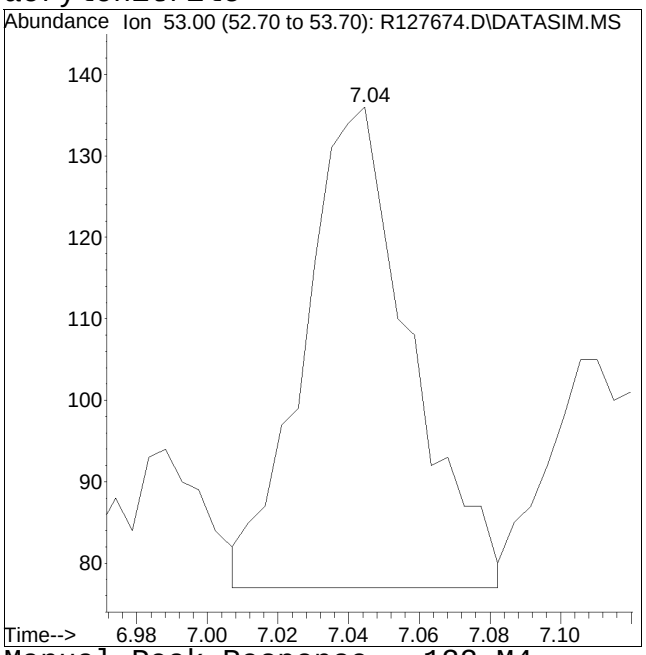
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127674.D
Date Inj'd : 4/15/2013 9:21 pm
Sample : L1306330-17D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #15: acrylonitrile



Original Peak Response = 101



Manual Peak Response = 122 M4

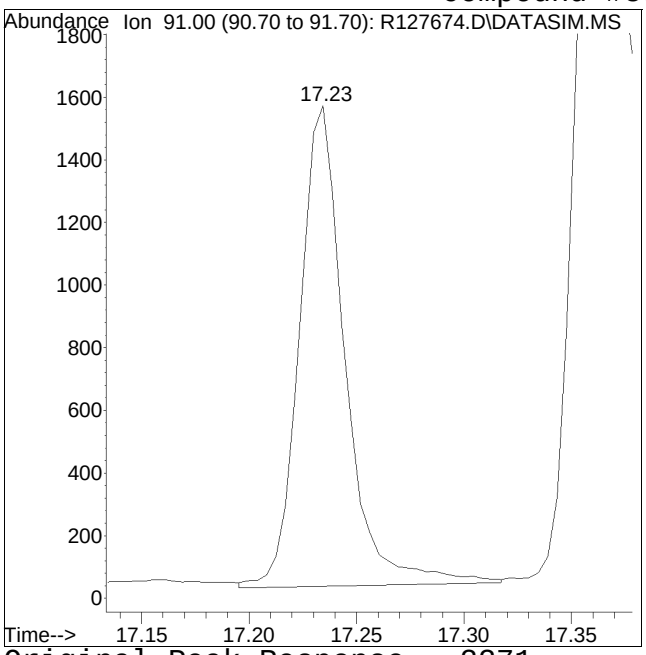
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

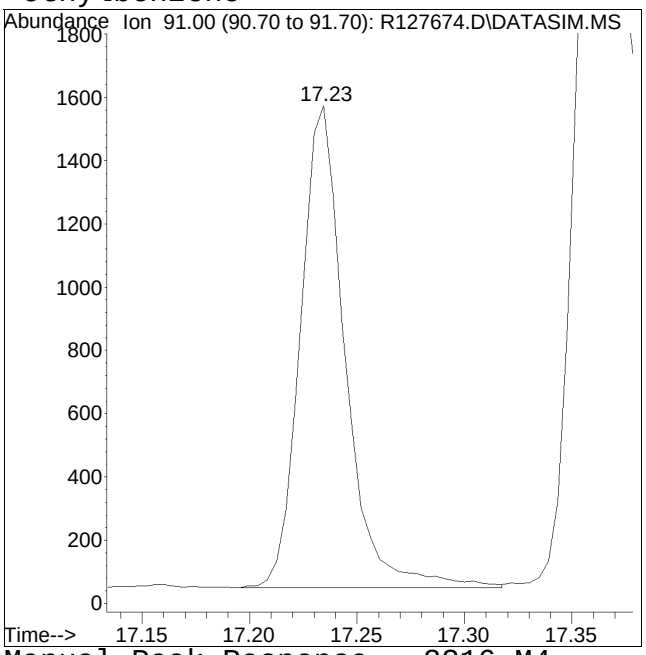
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127674.D
Date Inj'd : 4/15/2013 9:21 pm
Sample : L1306330-17D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #58: ethylbenzene



Original Peak Response = 2271



Manual Peak Response = 2216 M4

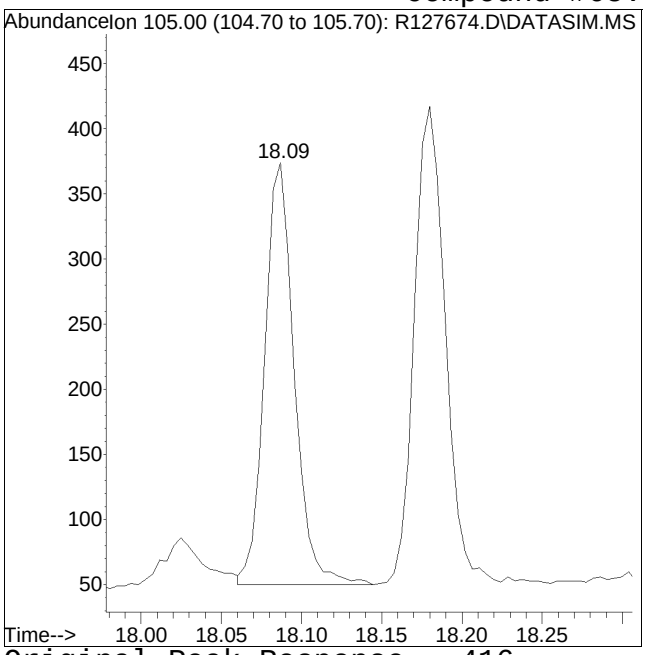
M4 = Poor automated baseline construction.

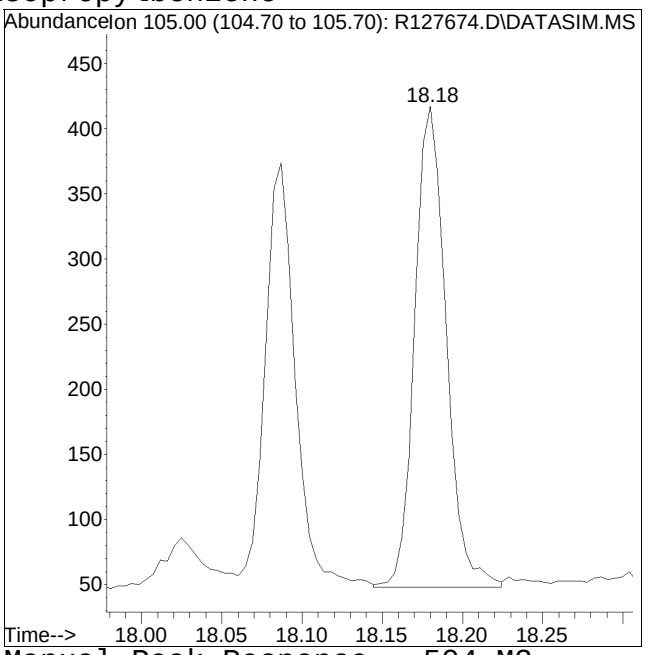
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127674.D
Date Inj'd : 4/15/2013 9:21 pm
Sample : L1306330-17D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #65: isopropylbenzene





Original Peak Response = 416 Manual Peak Response = 504 M3

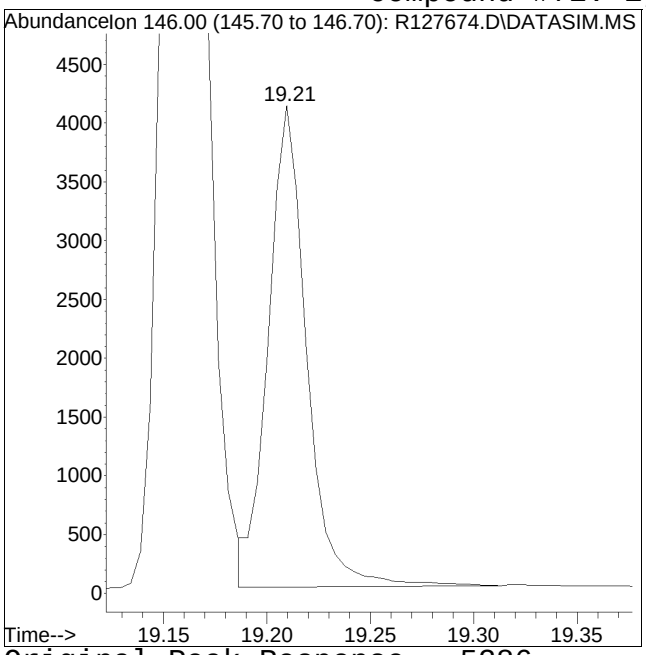
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

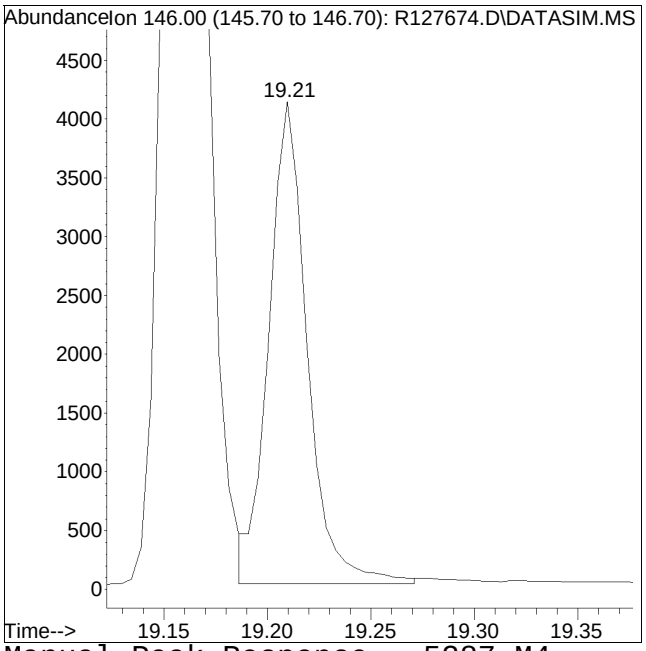
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127674.D
Date Inj'd : 4/15/2013 9:21 pm
Sample : L1306330-17D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 5286



Manual Peak Response = 5287 M4

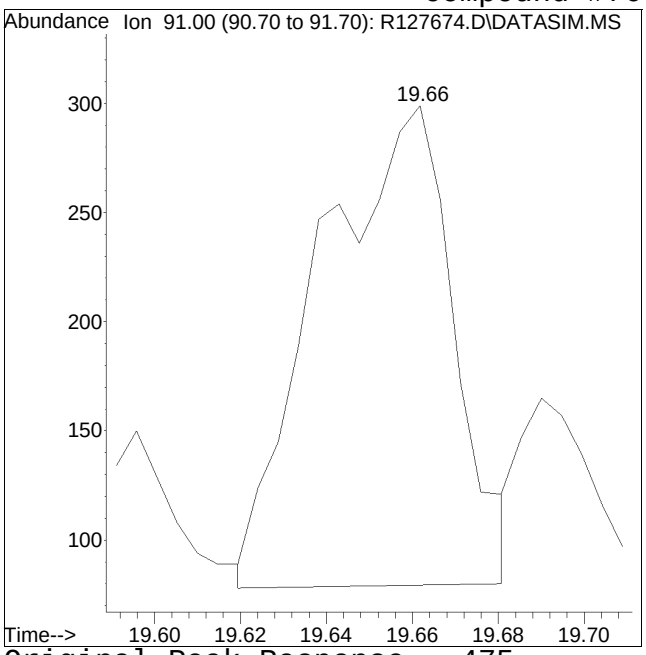
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

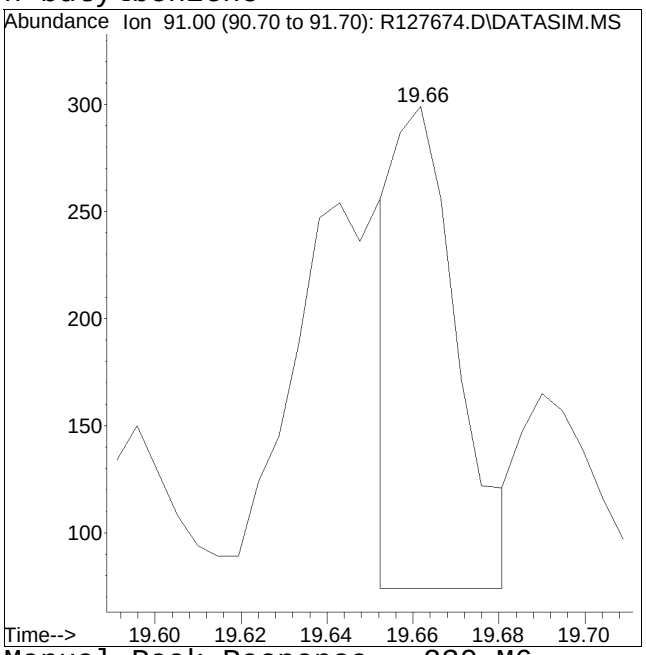
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127674.D
Date Inj'd : 4/15/2013 9:21 pm
Sample : L1306330-17D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:49 am

Compound #76: n-butylbenzene



Original Peak Response = 475



Manual Peak Response = 230 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127675.D
Acq On : 15 Apr 2013 9:53 pm
Operator : AIRPIANO1:MB
Sample : L1306330-18D,3,75,250
Misc : WG601750,ICAL7910
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 17 11:24:14 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	270721	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 97.54%			
32) 1,4-difluorobenzene	12.49	114	552432	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 97.10%			
49) chlorobenzene-D5	16.90	54	135877	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 98.41%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	4790	0.137	ppbV	98
4) chloromethane	4.40	50	2746	0.149	ppbV	97
5) Freon-114	4.55		0	N.D.		
6) vinyl chloride	0.00		0	N.D.	d	
7) 1,3-butadiene	4.91	54	1090	0.087	ppbV	85
8) bromomethane	5.30		0	N.D.		
9) chloroethane	5.55	64	214	0.031	ppbV #	26
12) acetone	6.40	43	296143	10.110	ppbV	98
13) trichlorofluoromethane	6.62	101	2499	0.059	ppbV	99
15) acrylonitrile	7.04	53	1574	0.110	ppbV #	93
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	13775	0.563	ppbV	99
20) Freon 113	7.99	101	591	0.020	ppbV #	93
22) trans-1,2-dichloroethene	8.82		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	153391	3.341	ppbV	97
27) cis-1,2-dichloroethene	10.06		0	N.D.		
29) chloroform	10.43	83	6318	0.200	ppbV #	83
31) 1,2-dichloroethane	11.27		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	28976	0.980	ppbV	98
36) benzene	12.09	78	15788	0.362	ppbV	100
37) carbon tetrachloride	12.25	117	8116	0.250	ppbV	94
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	27426	1.285	ppbV	99
45) cis-1,3-dichloropropene	14.28		0	N.D.		
46) 4-methyl-2-pentanone	14.32	43	39069M6	0.788	ppbV	
47) trans-1,3-dichloropropene	14.82		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127675.D
Acq On : 15 Apr 2013 9:53 pm
Operator : AIRPIANO1:MB
Sample : L1306330-18D,3,75,250
Misc : WG601750,ICAL7910
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 17 11:24:14 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

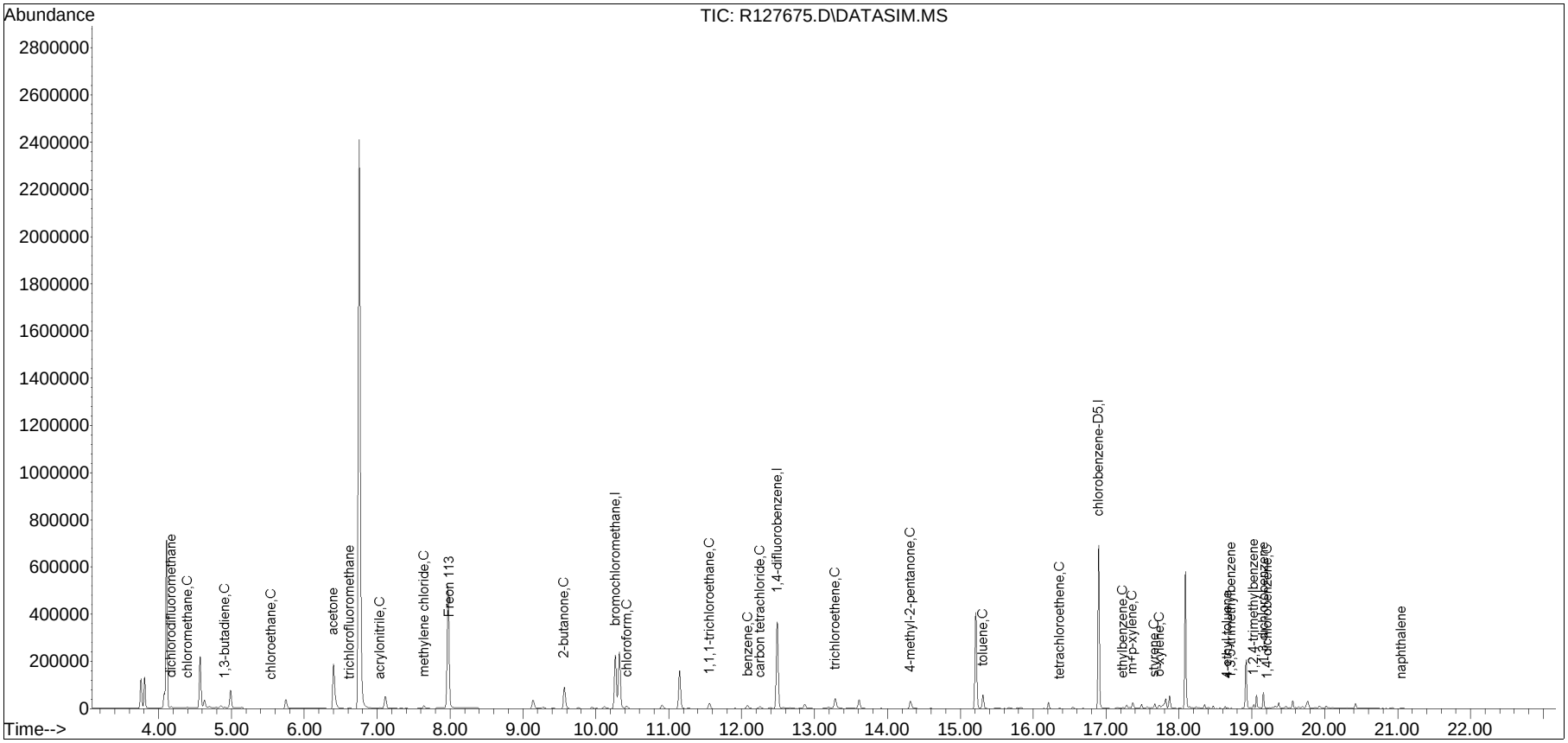
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	51732M4	0.939	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	1425	0.050	ppbV		94
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	5582	0.079	ppbV		100
59) m+p-xylene	17.36	91	14628M4	0.267	ppbV		
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	672M6	0.016	ppbV		
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	6703M6	0.117	ppbV		
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	3937	0.047	ppbV	#	95
67) 1,3,5-trimethylbenzene	18.72	105	2980	0.044	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.03	105	9912	0.145	ppbV	#	52
71) 1,3-dichlorobenzene	19.16	146	47740	0.924	ppbV		96
72) 1,4-dichlorobenzene	19.21	146	1431M3	0.027	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	1552	0.016	ppbV	#	90
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

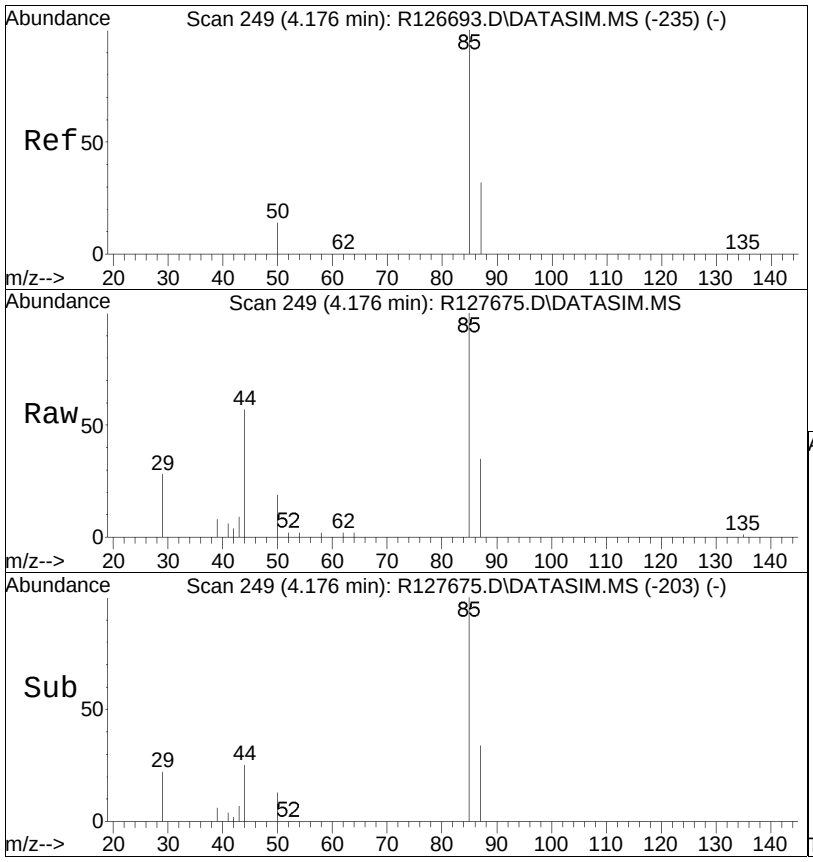
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127675.D
Acq On : 15 Apr 2013 9:53 pm
Operator : AIRPIANO1:MB
Sample : L1306330-18D,3,75,250
Misc : WG601750,ICAL7910
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 17 11:24:14 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

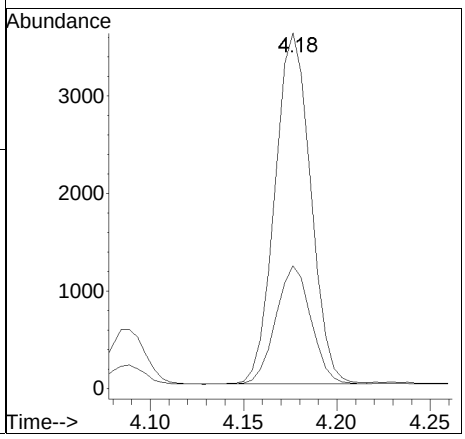


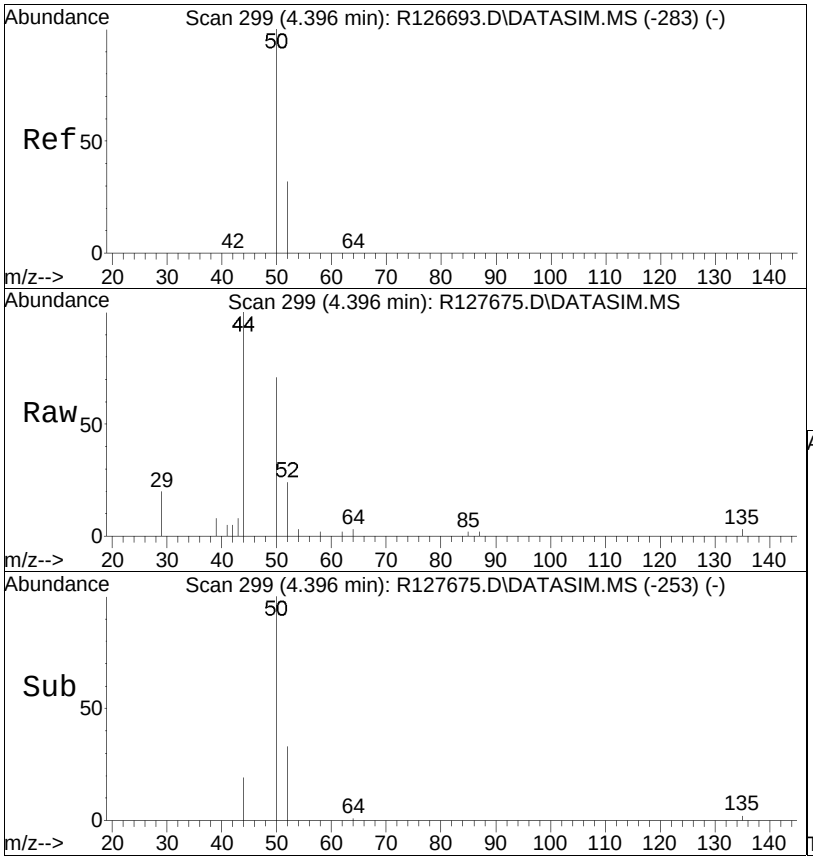


#3
dichlorodifluoromethane
Concen: 0.14 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 85 Resp: 4790

Ion	Ratio	Lower	Upper
85	100		
87	34.5	26.6	40.0

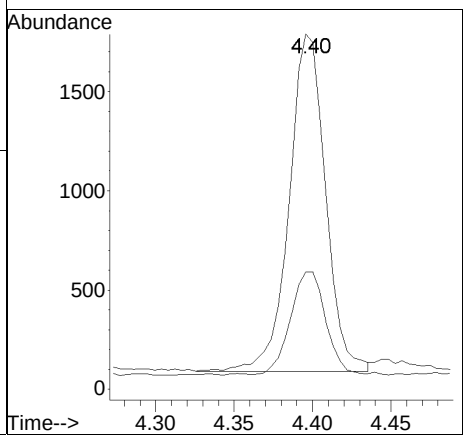


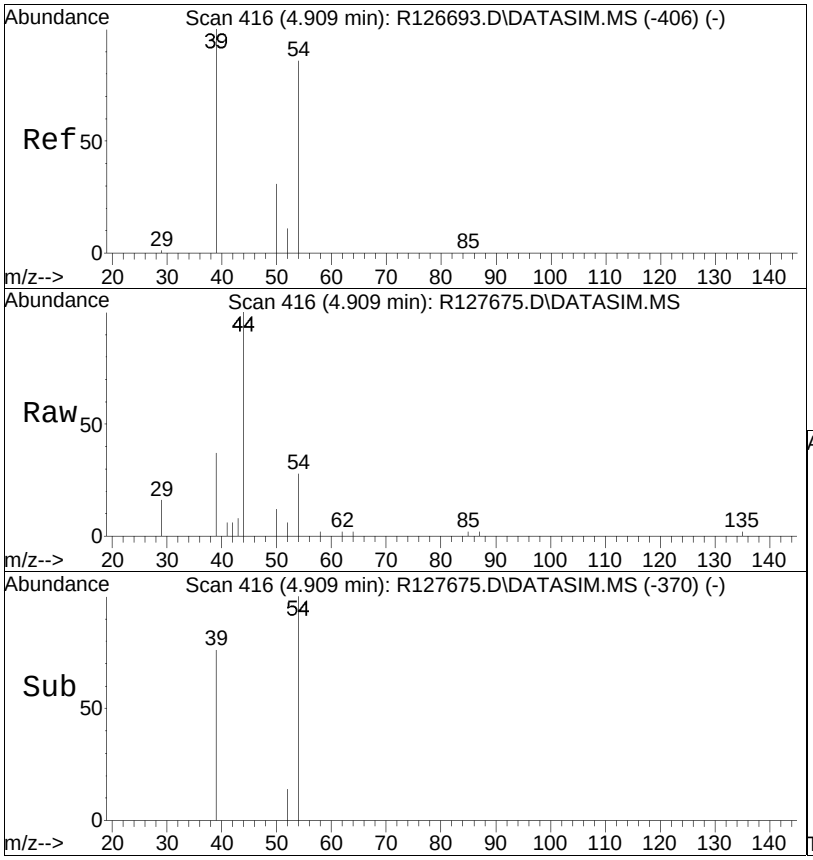


#4
chloromethane
Concen: 0.15 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 50 Resp: 2746

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.3	37.9

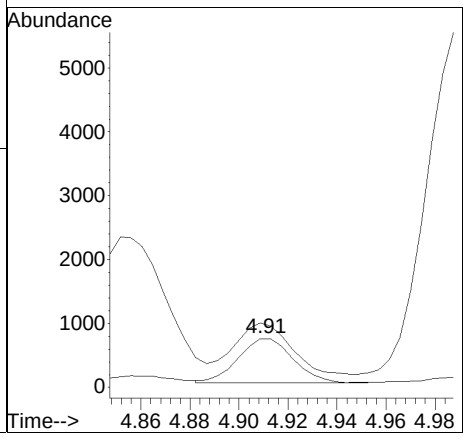


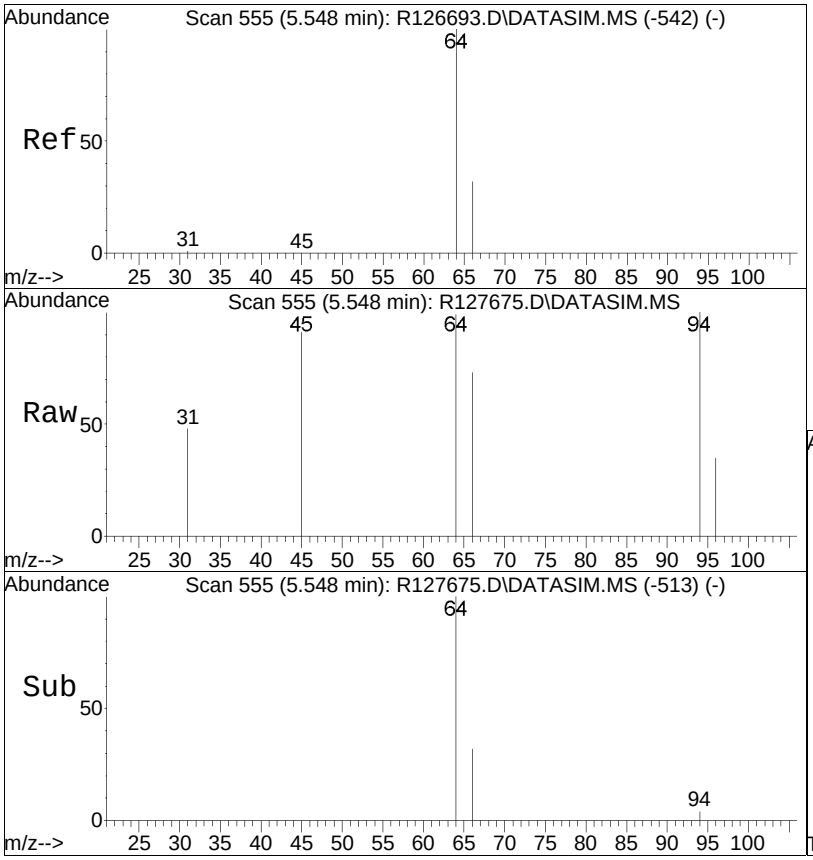


#7
1,3-butadiene
Concen: 0.09 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 54 Resp: 1090

Ion	Ratio	Lower	Upper
54	100		
39	132.1	92.4	138.6

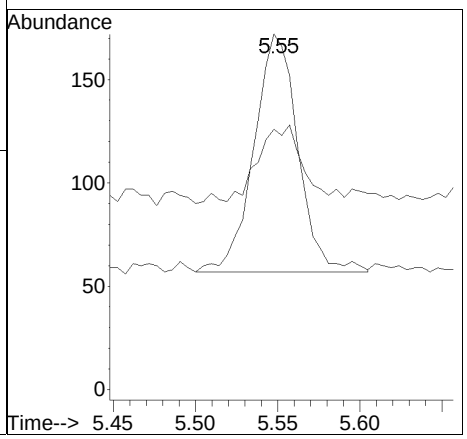


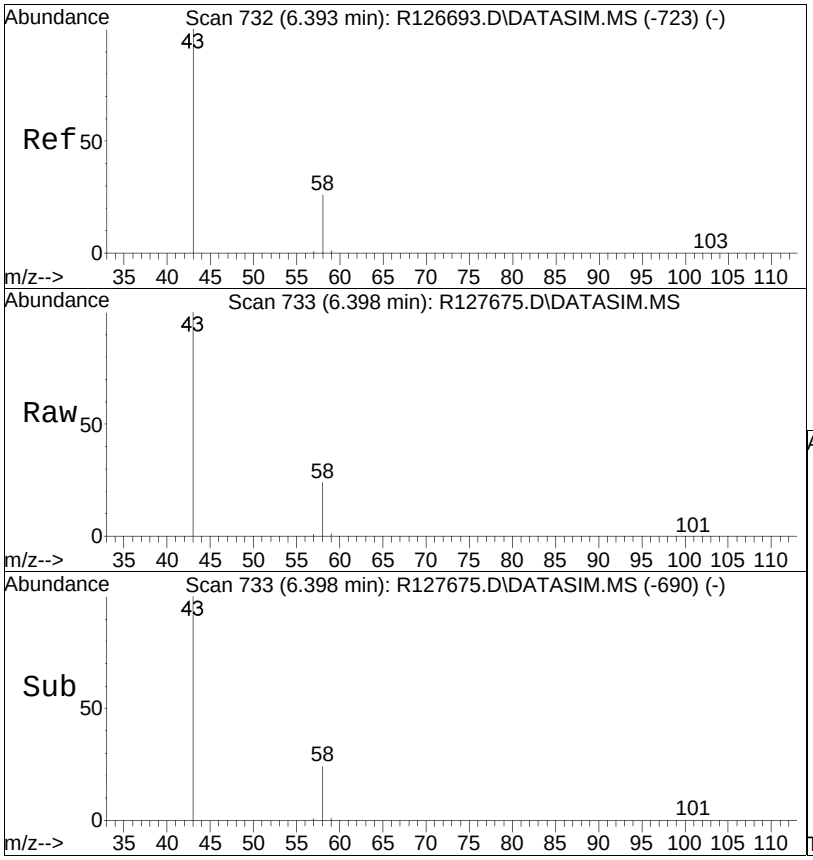


#9
chloroethane
Concen: 0.03 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 64 Resp: 214

Ion	Ratio	Lower	Upper
64	100		
66	73.3	25.5	38.3#

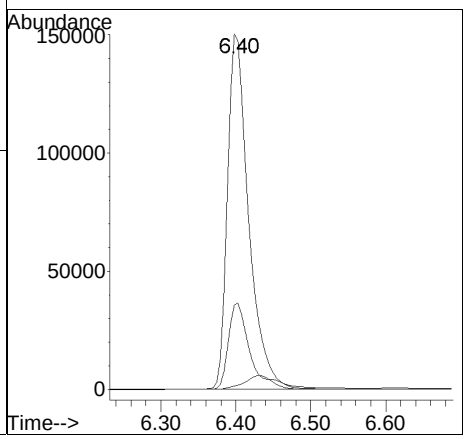


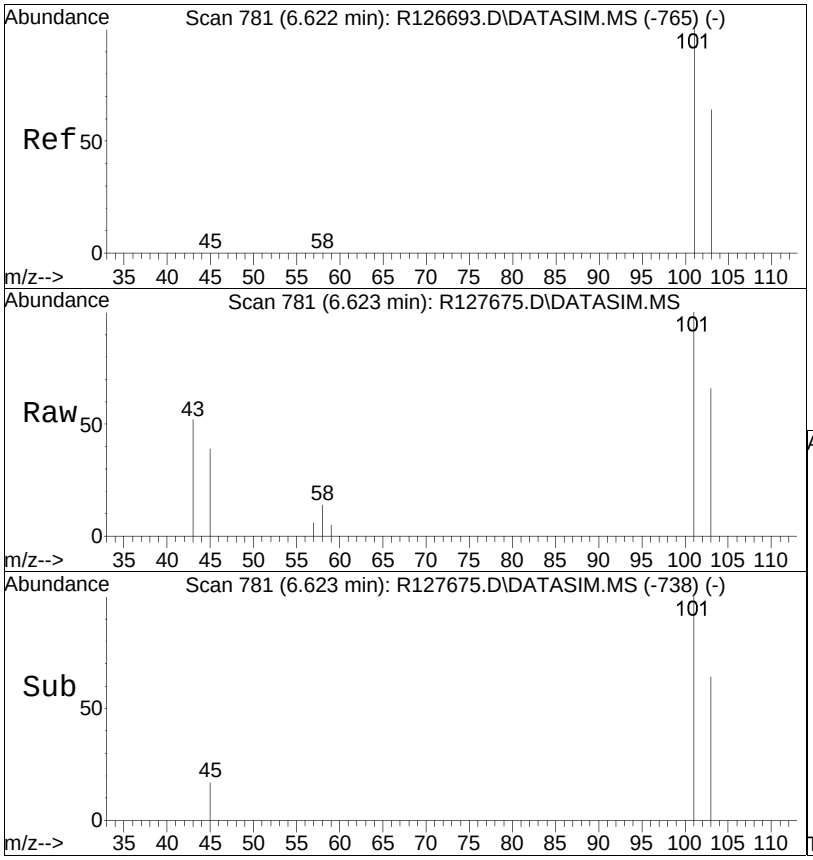


#12
acetone
Concen: 10.11 ppbV
RT: 6.40 min Scan# 733
Delta R.T. 0.005 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 43 Resp: 296143

Ion	Ratio	Lower	Upper
43	100		
58	23.8	20.0	30.0
57	1.0	0.6	1.0

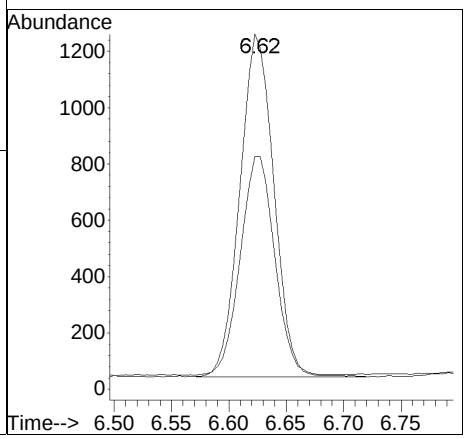


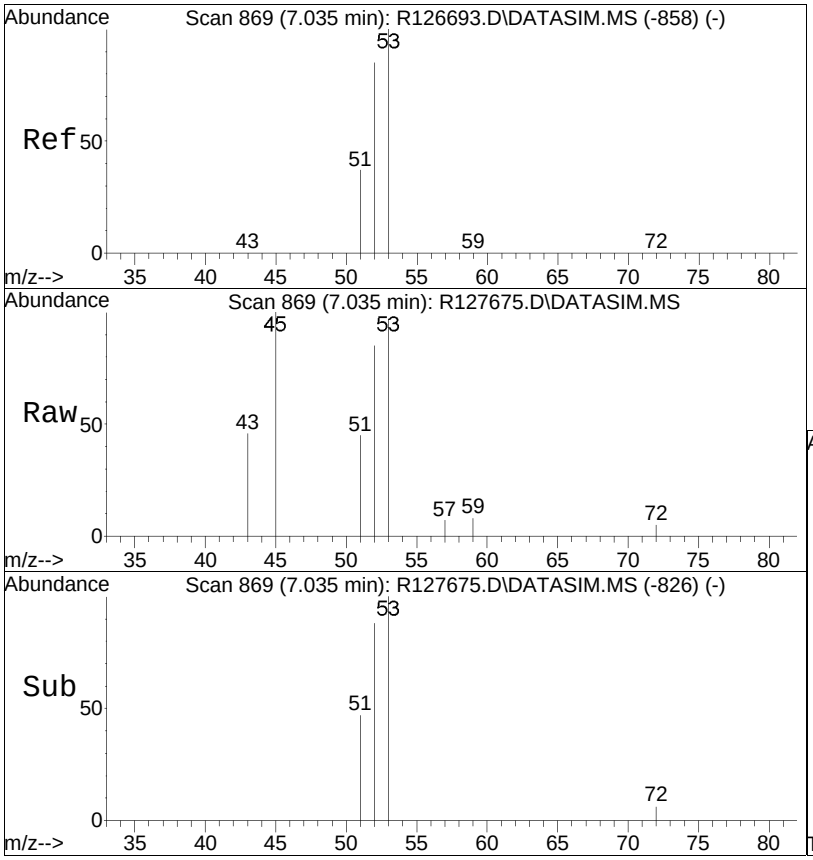


#13
trichlorofluoromethane
Concen: 0.06 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:101 Resp: 2499

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.6	77.4

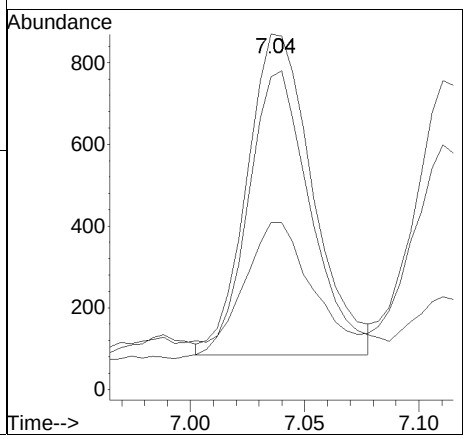


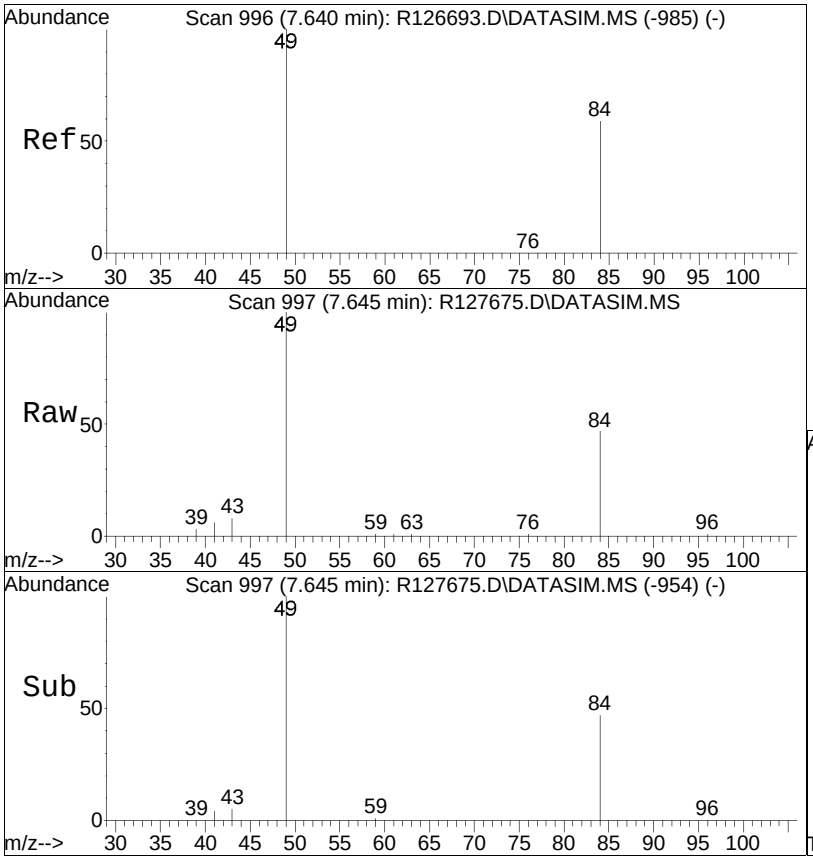


#15
acrylonitrile
Concen: 0.11 ppbV
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 53 Resp: 1574

Ion	Ratio	Lower	Upper
53	100		
52	87.9	68.5	102.7
51	47.0	30.1	45.1#

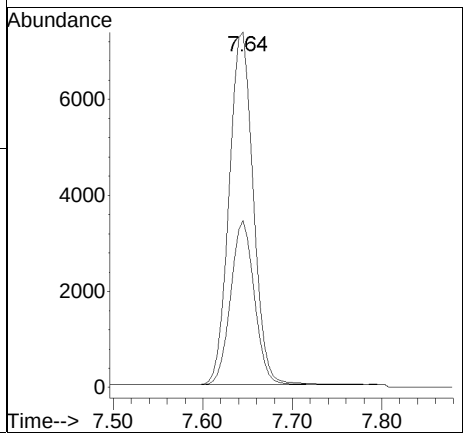


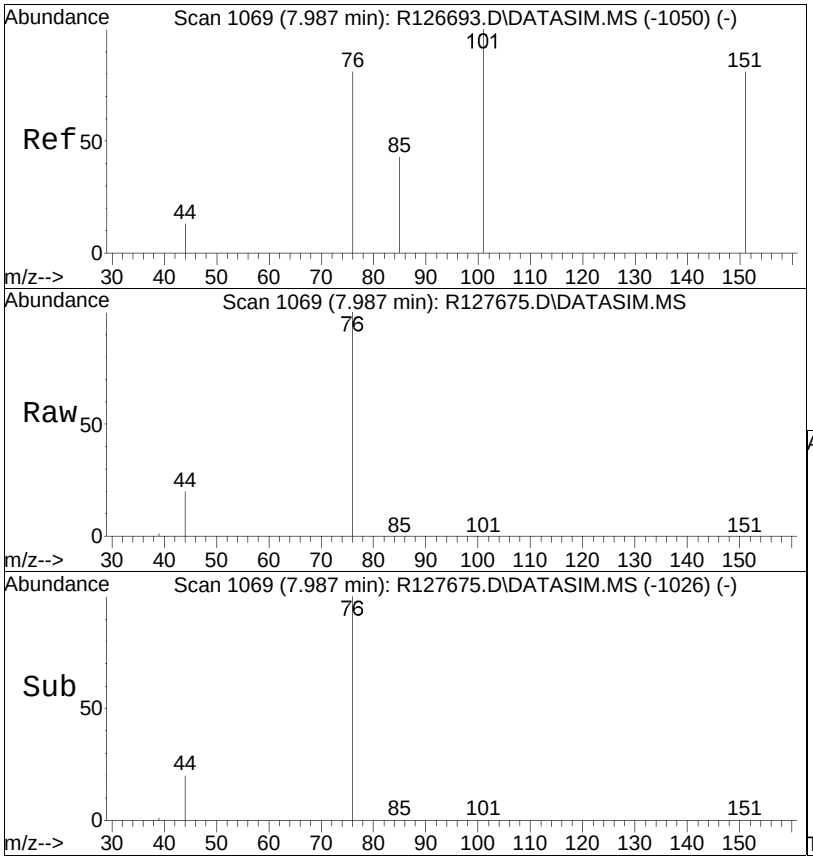


#17
methylene chloride
Concen: 0.56 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 49 Resp: 13775

Ion	Ratio	Lower	Upper
49	100		
84	47.0	37.2	55.8

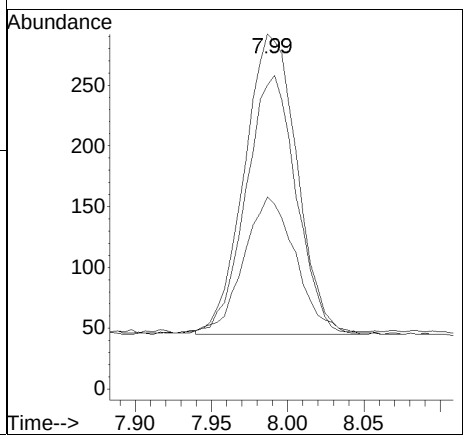


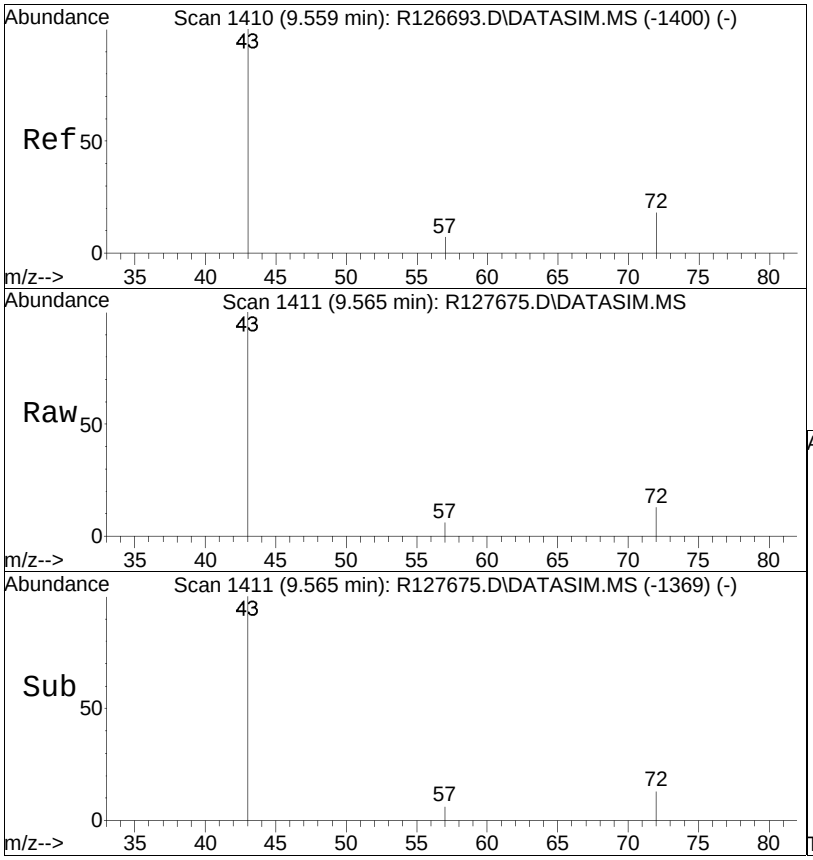


#20
Freon 113
Concen: 0.02 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:101 Resp: 591

Ion	Ratio	Lower	Upper
101	100		
85	54.1	34.2	51.2#
151	85.6	67.8	101.8

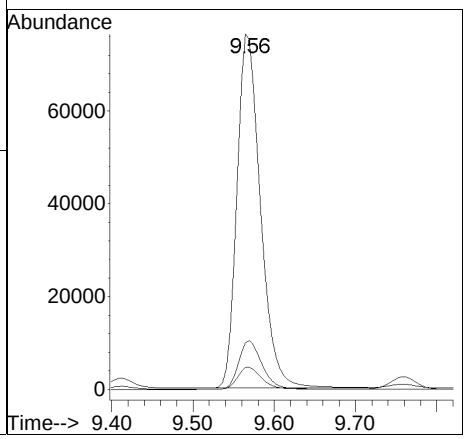


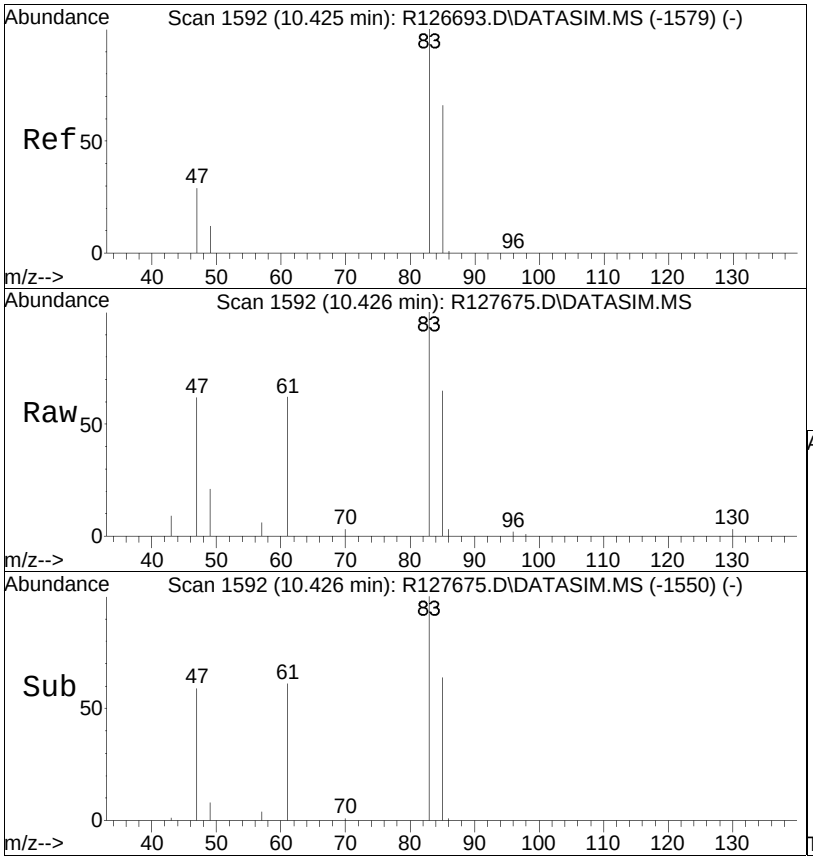


#26
2-butanone
Concen: 3.34 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 43 Resp: 153391

Ion	Ratio	Lower	Upper
43	100		
72	13.1	12.0	18.0
57	6.2	5.2	7.8

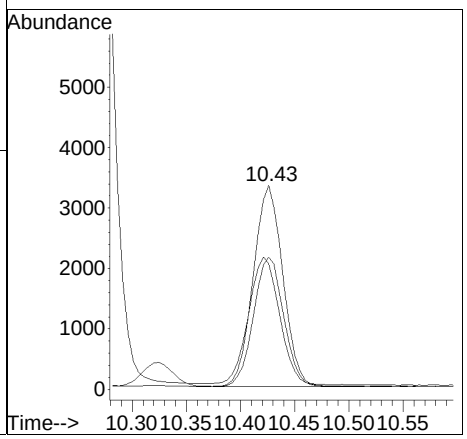


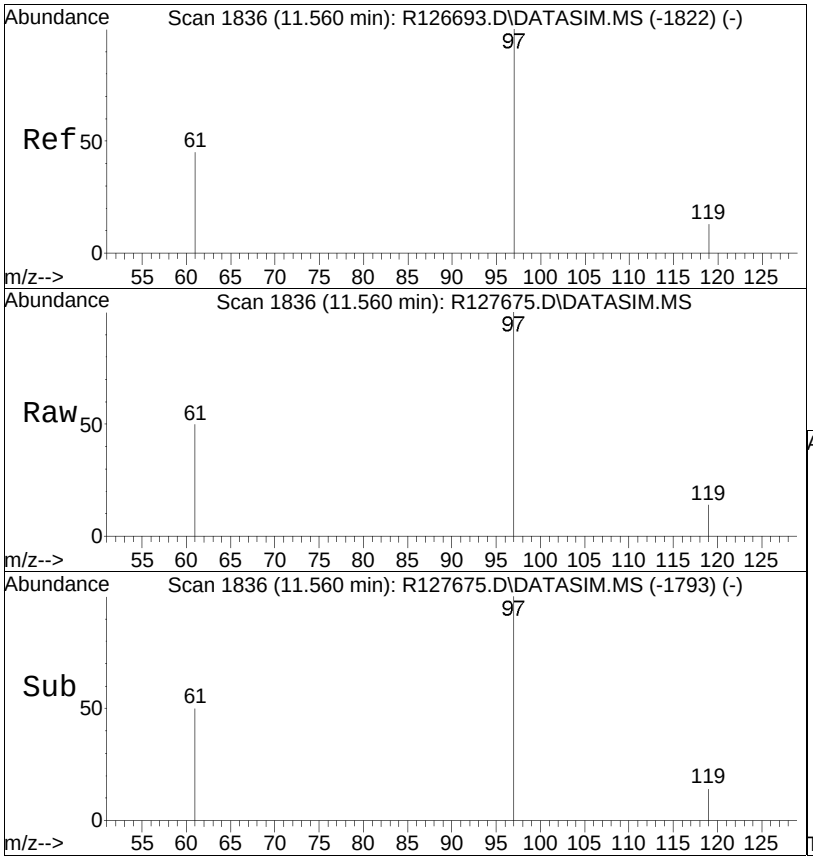


#29
chloroform
Concen: 0.20 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 83 Resp: 6318

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2
47	61.6	26.4	39.6#

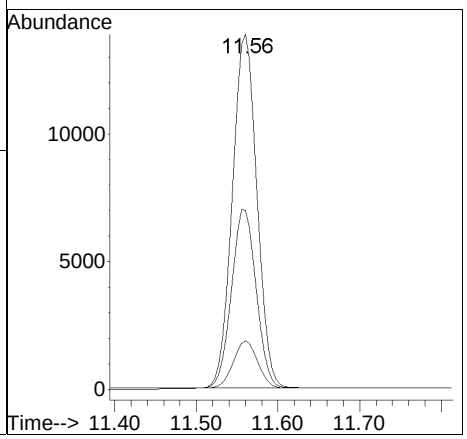


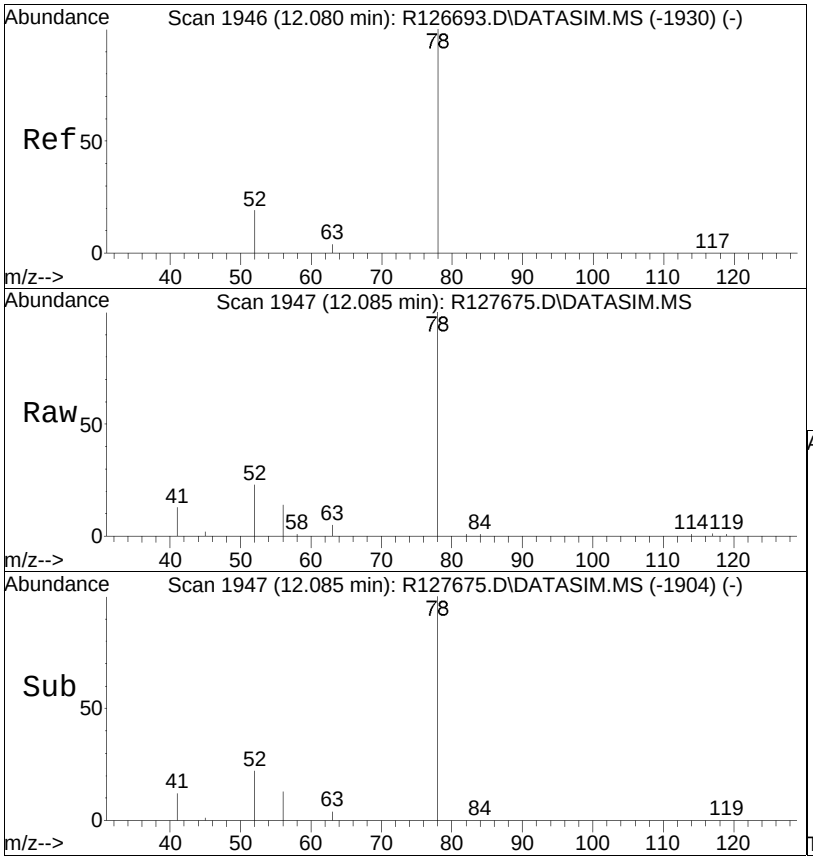


#35
1,1,1-trichloroethane
Concen: 0.98 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 97 Resp: 28976

Ion	Ratio	Lower	Upper
97	100		
61	50.4	38.6	58.0
119	13.6	11.0	16.6

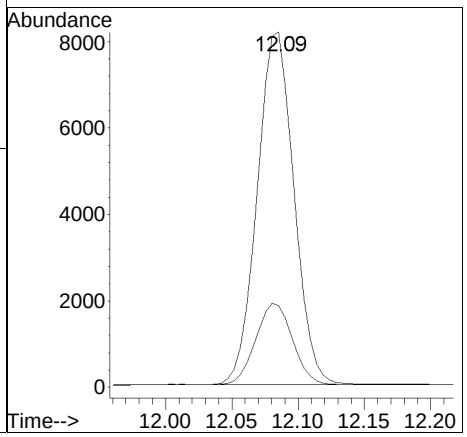


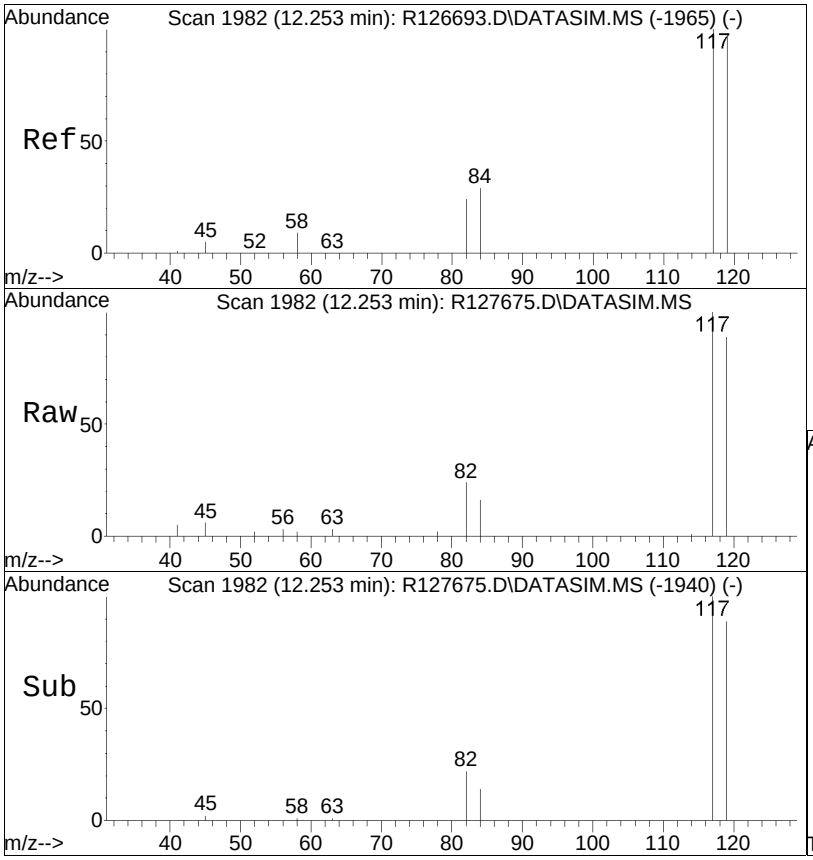


#36
benzene
Concen: 0.36 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 78 Resp: 15788

Ion	Ratio	Lower	Upper
78	100		
52	23.0	18.5	27.7

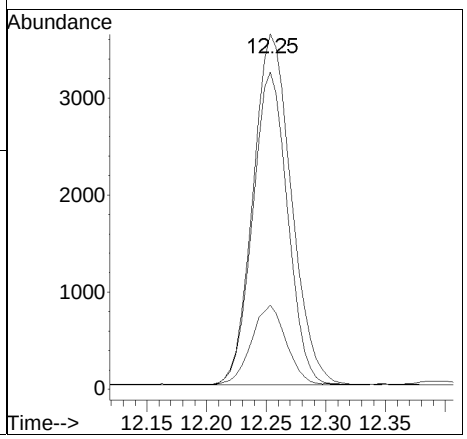


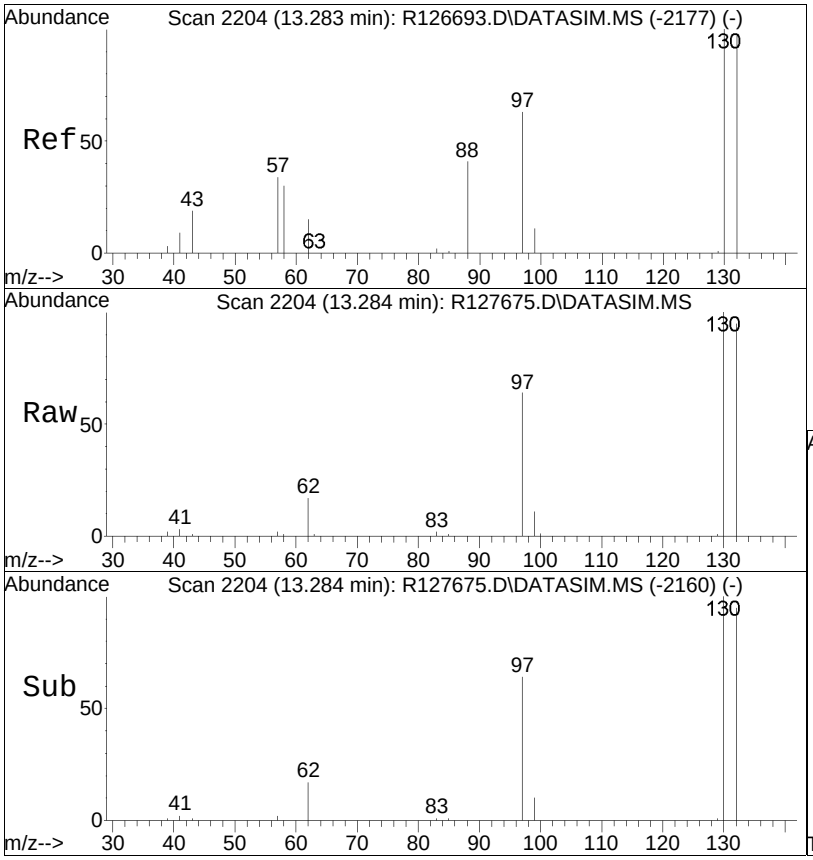


#37
carbon tetrachloride
Concen: 0.25 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:117 Resp: 8116

Ion	Ratio	Lower	Upper
117	100		
119	89.3	77.4	116.0
82	23.7	18.2	27.2

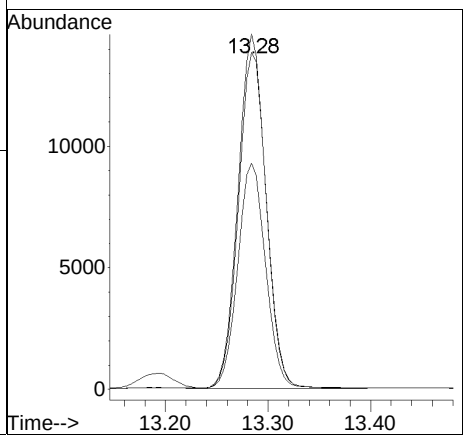


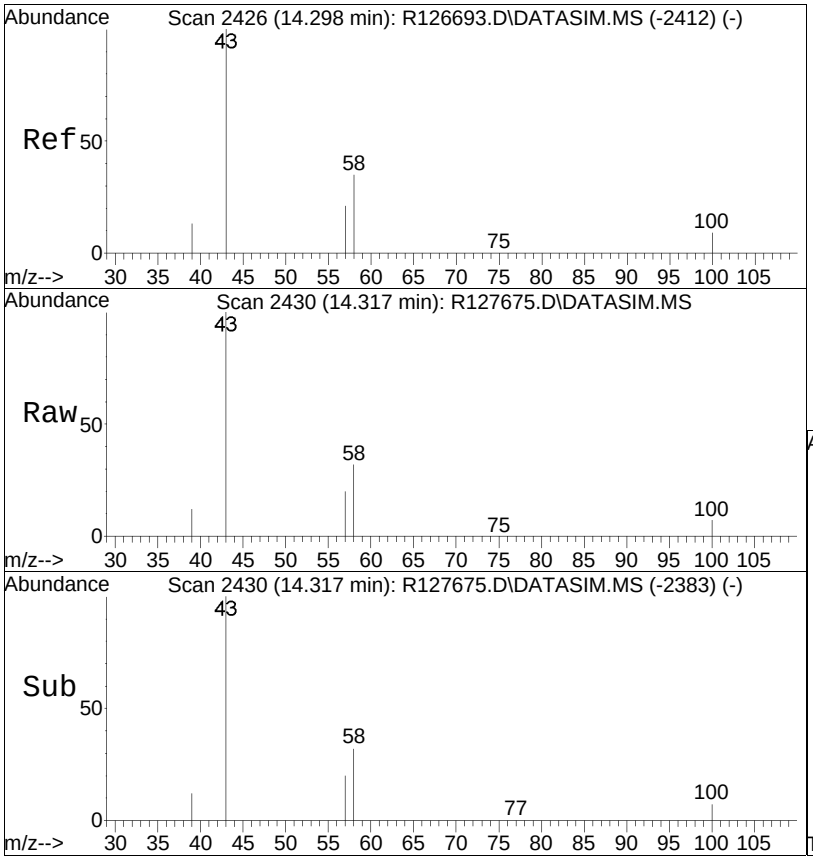


#42
trichloroethene
Concen: 1.28 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:130 Resp: 27426

Ion	Ratio	Lower	Upper
130	100		
132	94.9	77.3	115.9
97	63.7	50.6	75.8

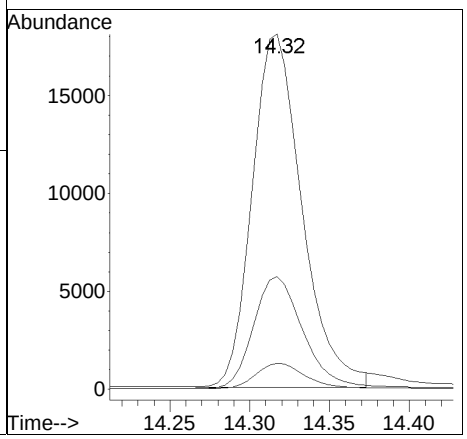


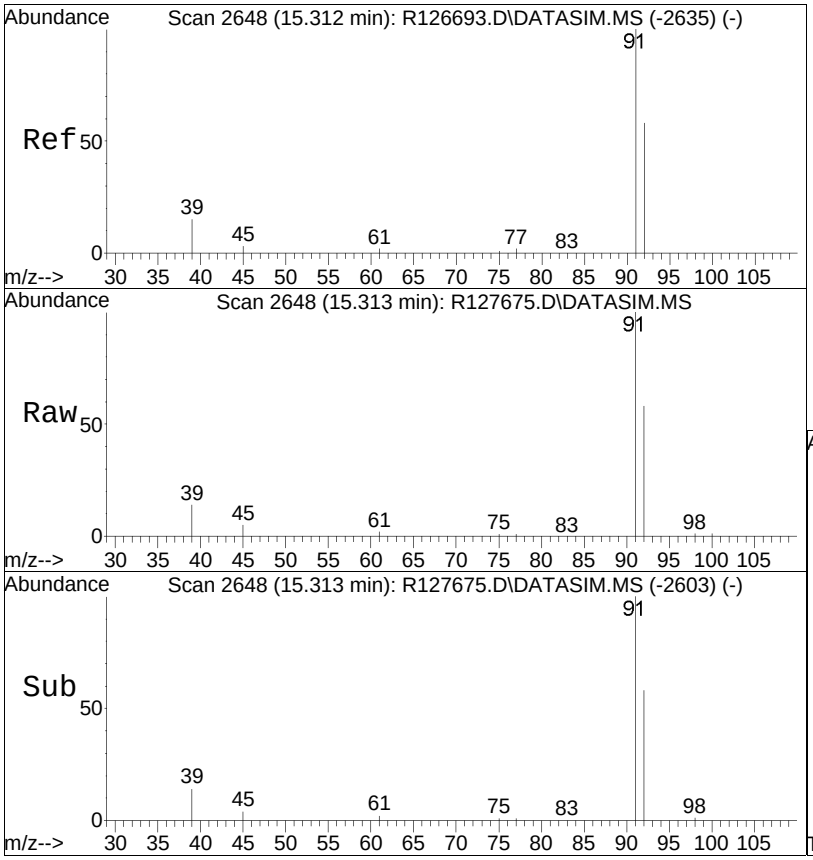


#46
4-methyl-2-pentanone
Concen: 0.79 ppbV m
RT: 14.32 min Scan# 2430
Delta R.T. 0.019 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 43 Resp: 39069

Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0
100	7.4	5.8	8.6

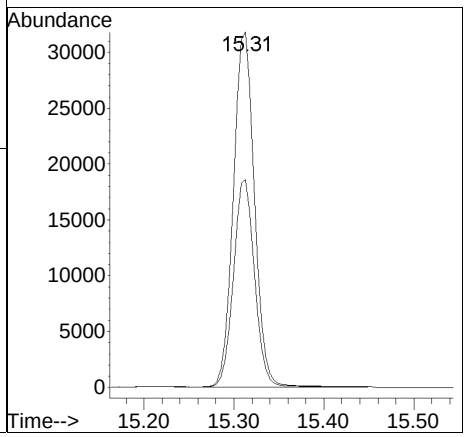


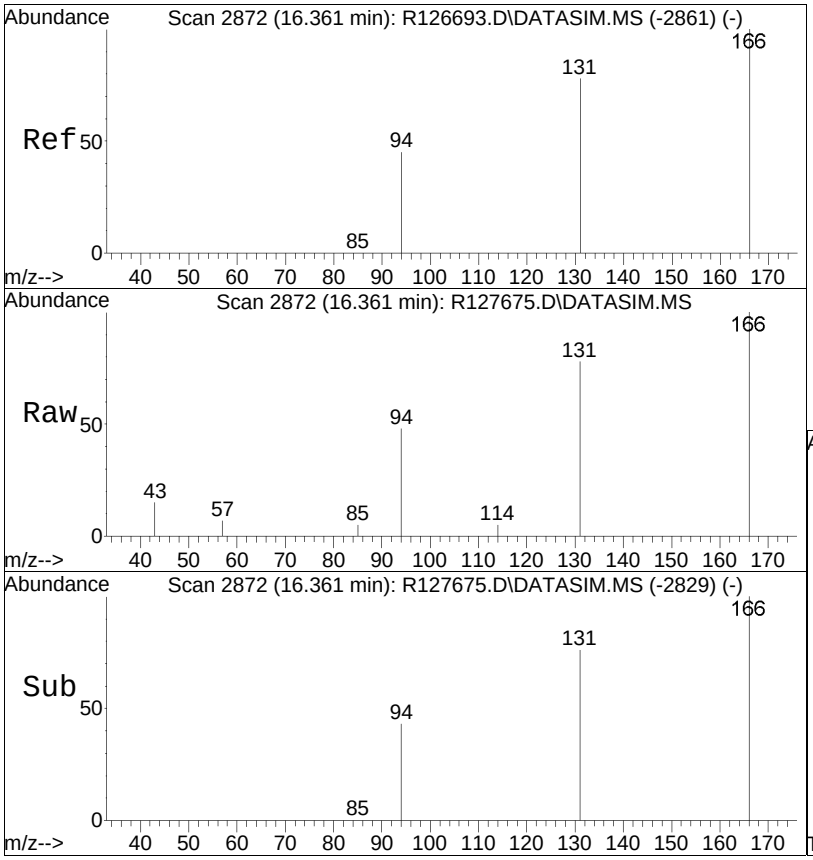


#50
toluene
Concen: 0.94 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 91 Resp: 51732

Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.4	69.6

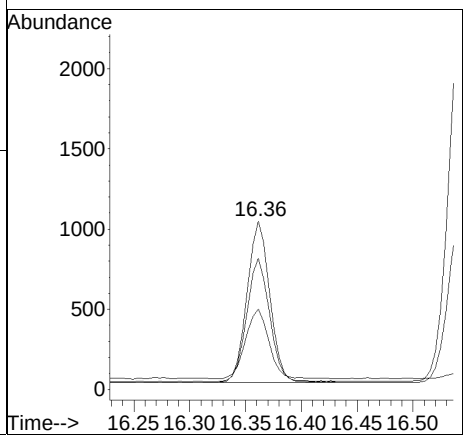


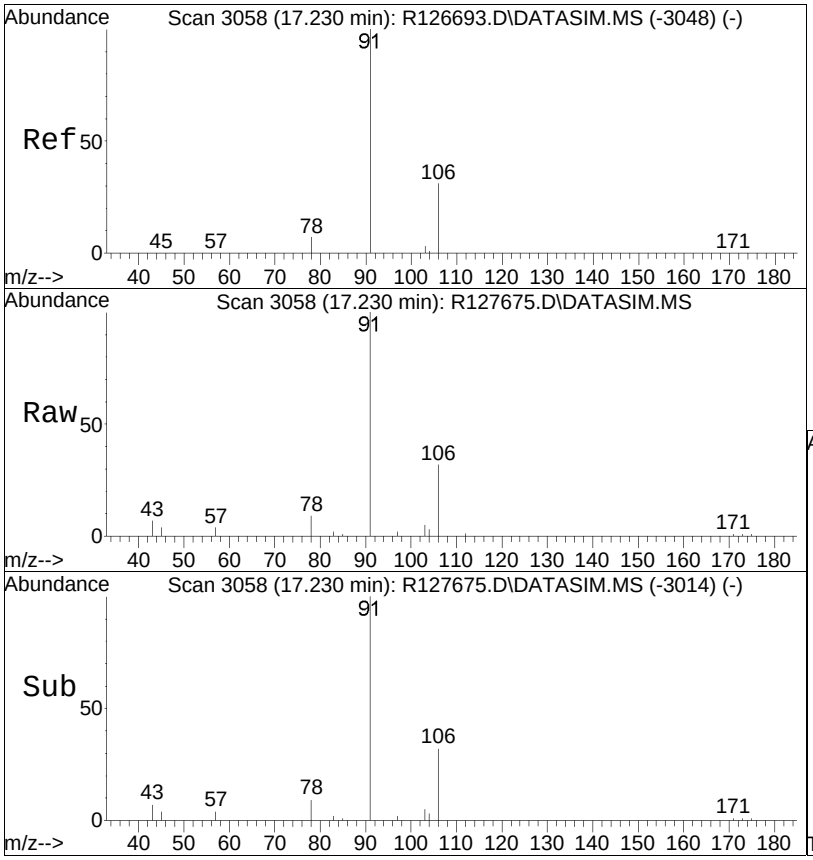


#55
tetrachloroethene
Concen: 0.05 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:166 Resp: 1425

Ion	Ratio	Lower	Upper
166	100		
131	78.0	60.6	90.8
94	47.9	32.2	48.2

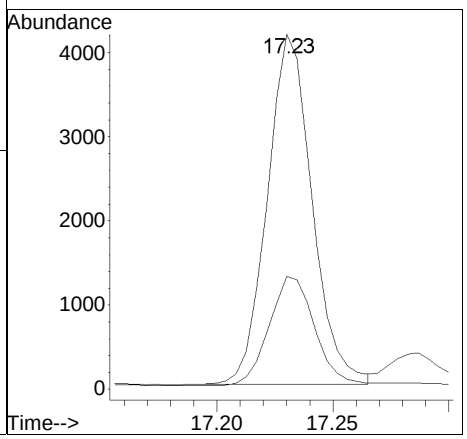


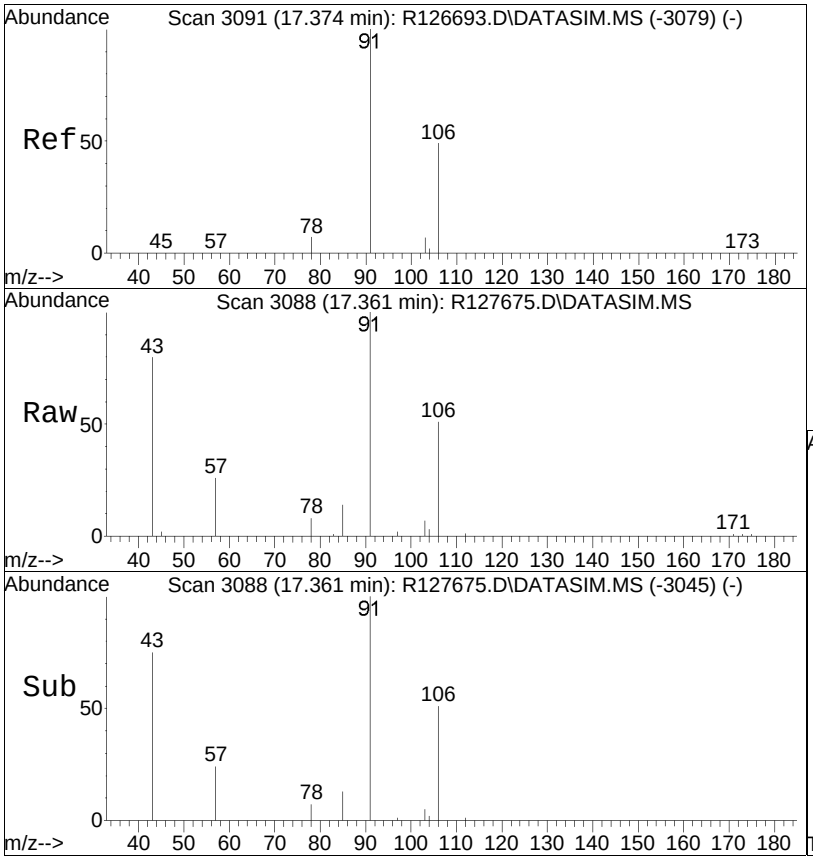


#58
ethylbenzene
Concen: 0.08 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 91 Resp: 5582

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.3	37.9

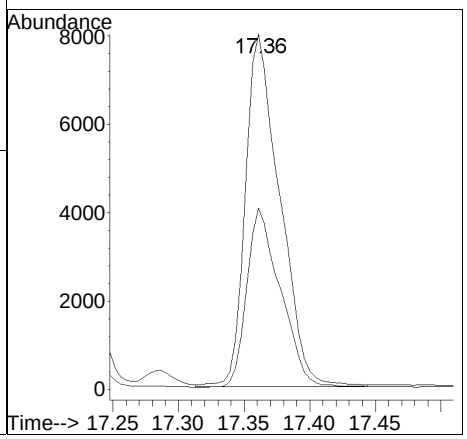


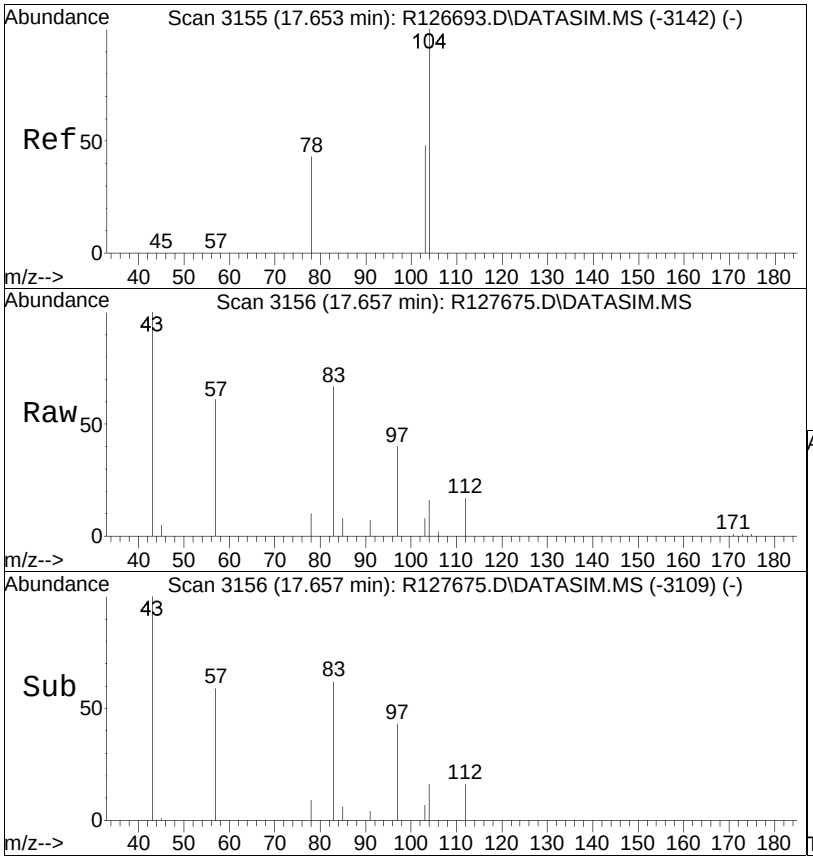


#59
m+p-xylene
Concen: 0.27 ppbV m
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 91 Resp: 14628

Ion	Ratio	Lower	Upper
91	100		
106	51.0	40.0	60.0

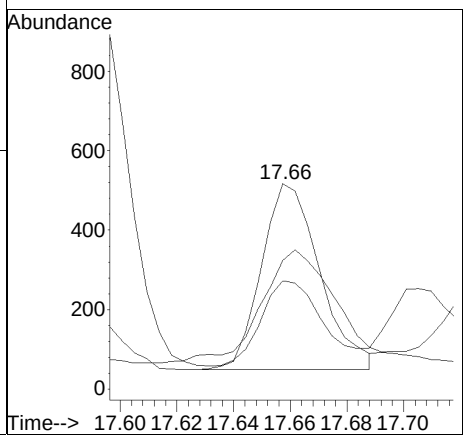


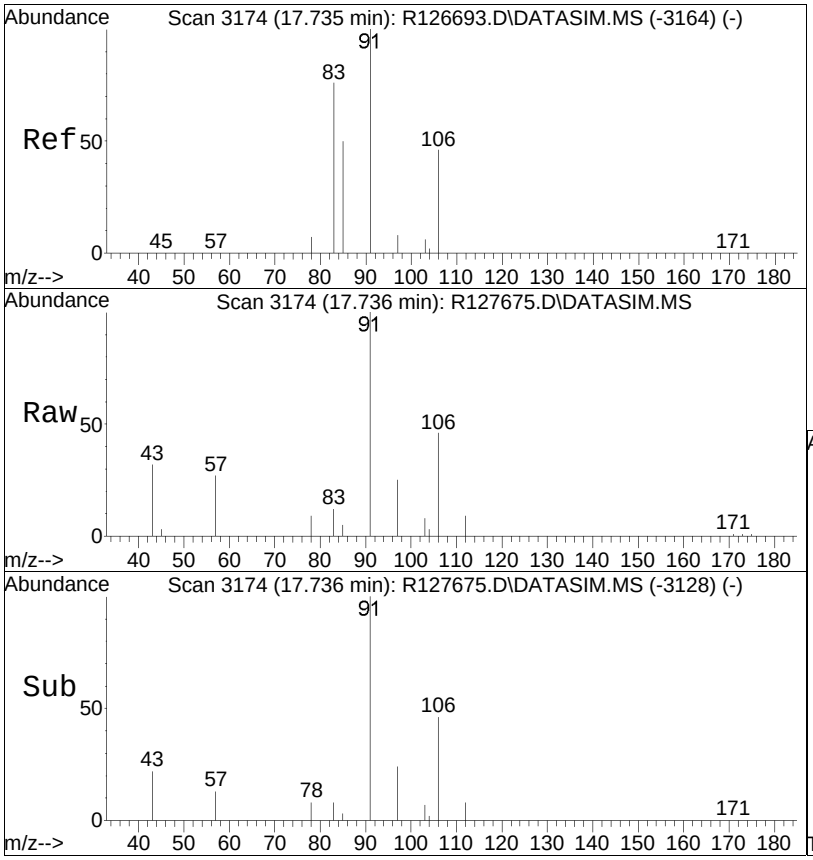


#61
styrene
Concen: 0.02 ppbV m
RT: 17.66 min Scan# 3156
Delta R.T. 0.005 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:104 Resp: 672

Ion	Ratio	Lower	Upper
104	100		
103	52.8	38.3	57.5
78	62.7	35.0	52.6#

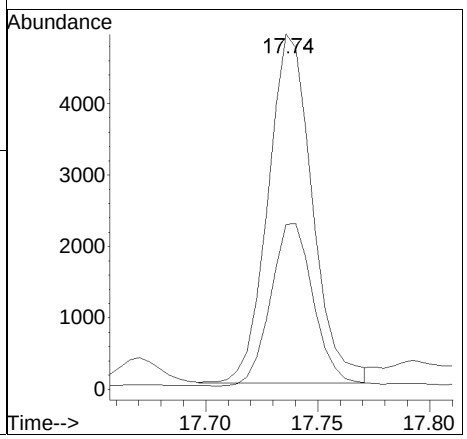


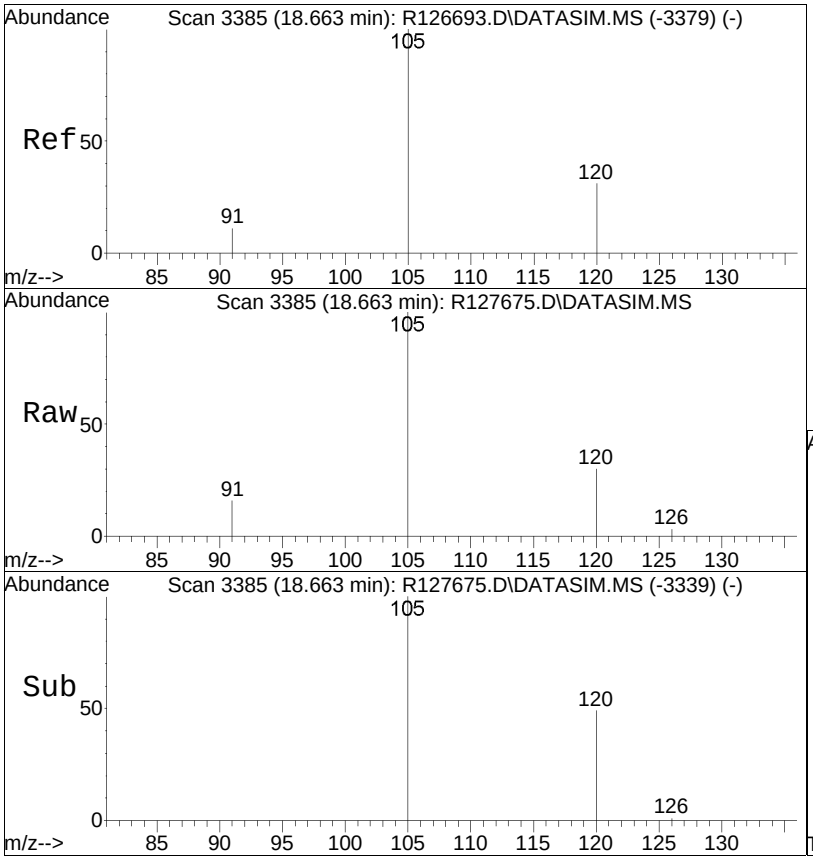


#63
o-xylene
Concen: 0.12 ppbV m
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion: 91 Resp: 6703

Ion	Ratio	Lower	Upper
91	100		
106	46.5	37.1	55.7

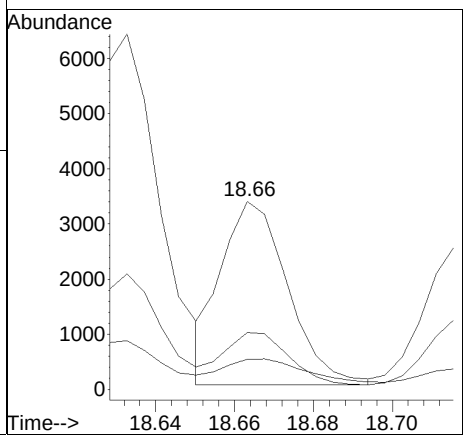


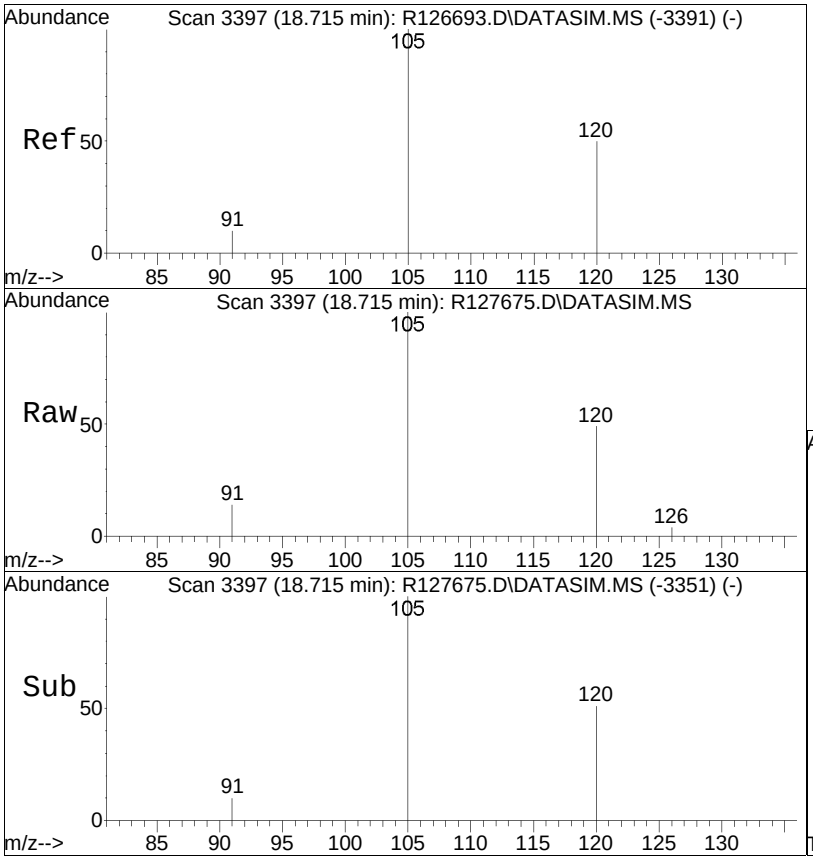


#66
4-ethyl toluene
Concen: 0.05 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:105 Resp: 3937

Ion	Ratio	Lower	Upper
105	100		
120	30.3	23.7	35.5
91	16.1	8.5	12.7#

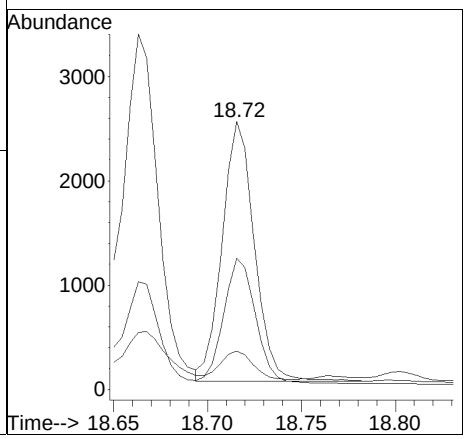


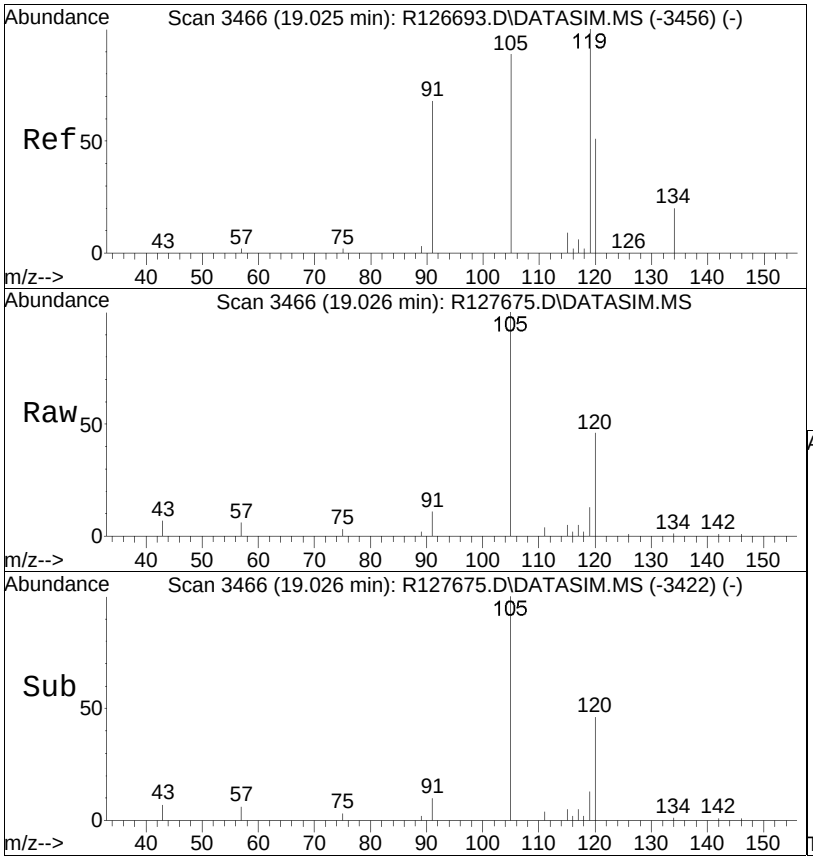


#67
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:105 Resp: 2980

Ion	Ratio	Lower	Upper
105	100		
120	48.9	39.0	58.4
91	14.4	8.0	12.0#

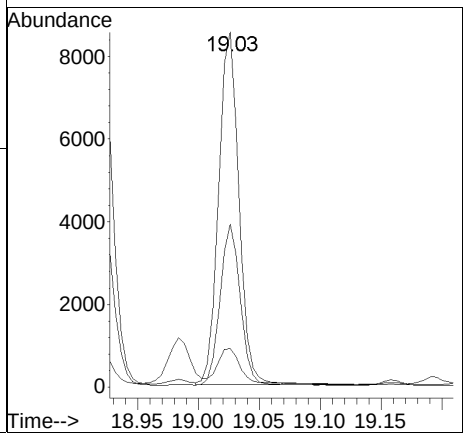


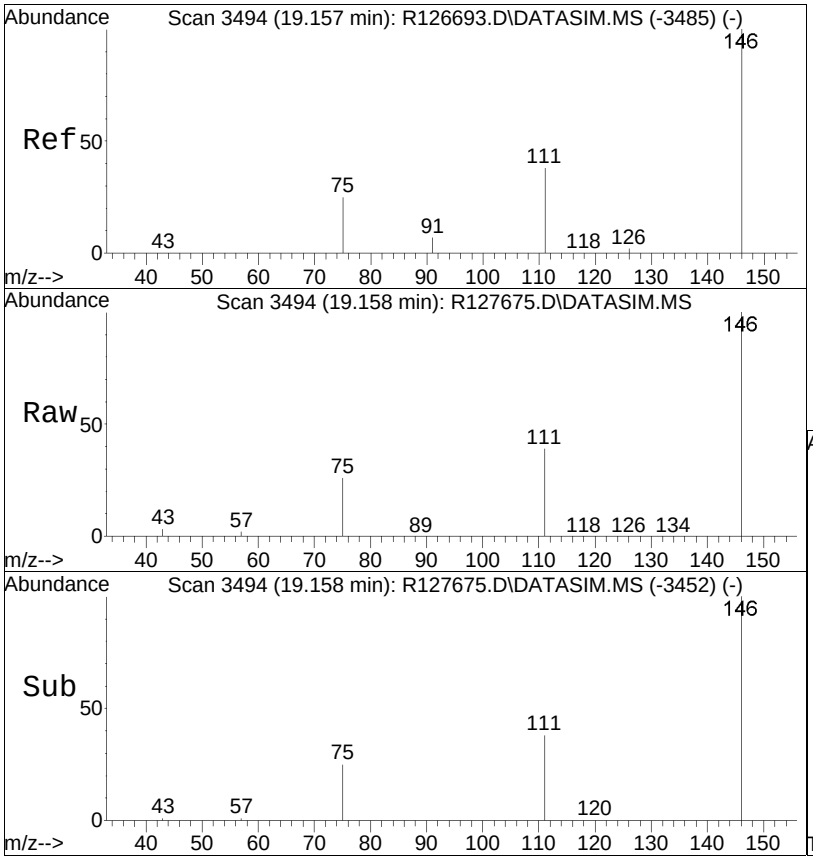


#69
1,2,4-trimethylbenzene
Concen: 0.15 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:105 Resp: 9912

Ion	Ratio	Lower	Upper
105	100		
120	45.9	44.9	67.3
91	10.9	58.6	88.0#

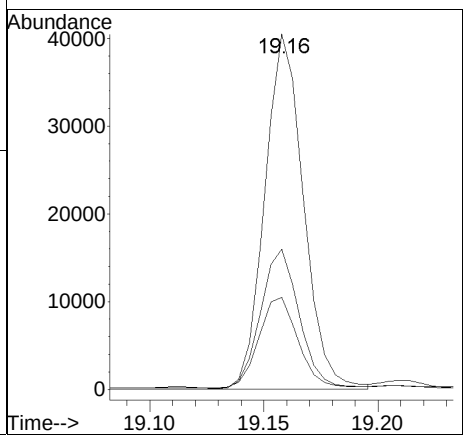


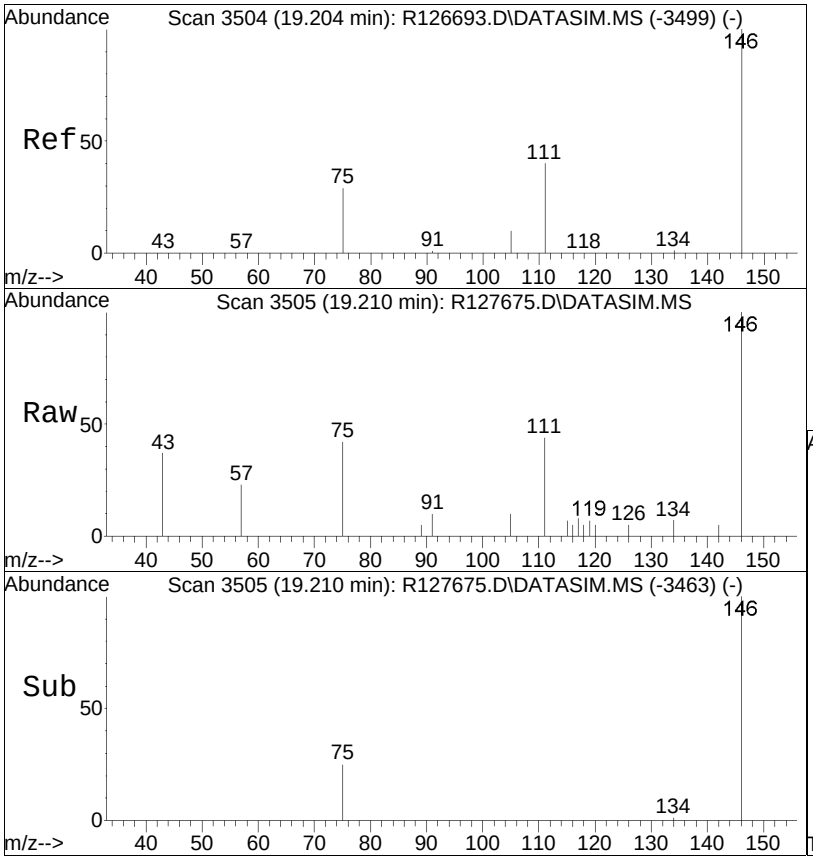


#71
1,3-dichlorobenzene
Concen: 0.92 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:146 Resp: 47740

Ion	Ratio	Lower	Upper
146	100		
111	39.5	29.5	44.3
75	25.9	19.5	29.3

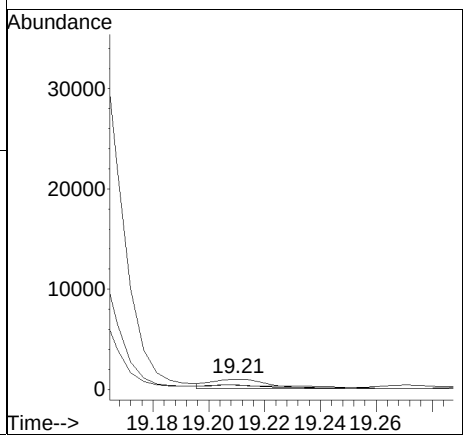


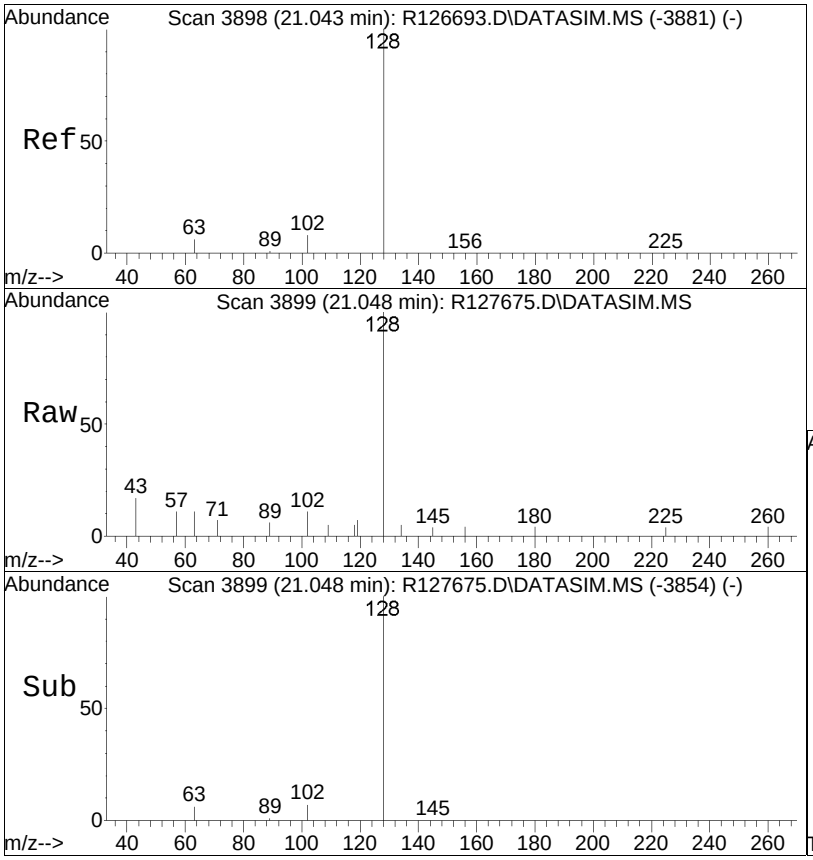


#72
1,4-dichlorobenzene
Concen: 0.03 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:146 Resp: 1431

Ion	Ratio	Lower	Upper
146	100		
111	43.8	26.4	39.6#
75	41.7	18.0	27.0#

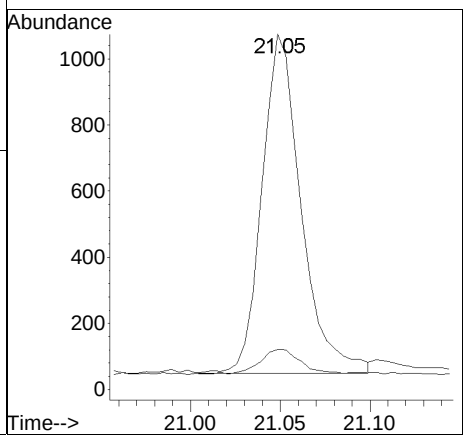




#78
naphthalene
Concen: 0.02 ppbV
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127675.D
Acq: 15 Apr 2013 9:53 pm

Tgt Ion:128 Resp: 1552

Ion	Ratio	Lower	Upper
128	100		
102	11.3	6.2	9.2#

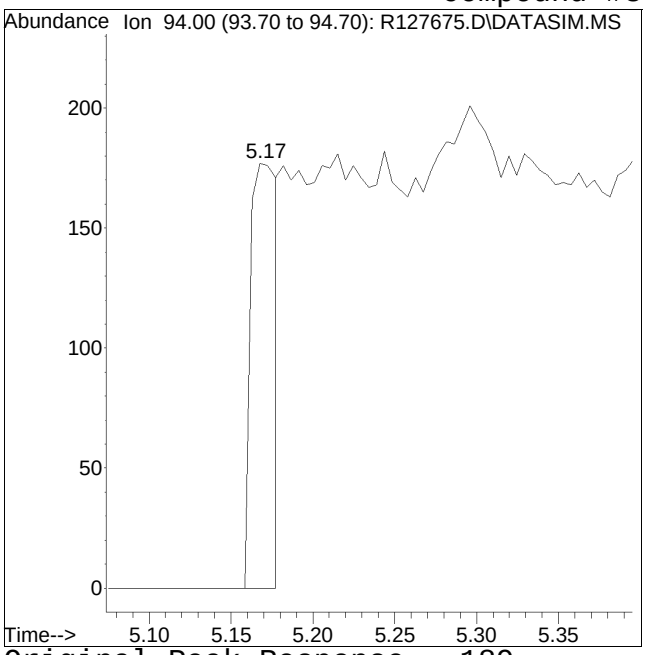


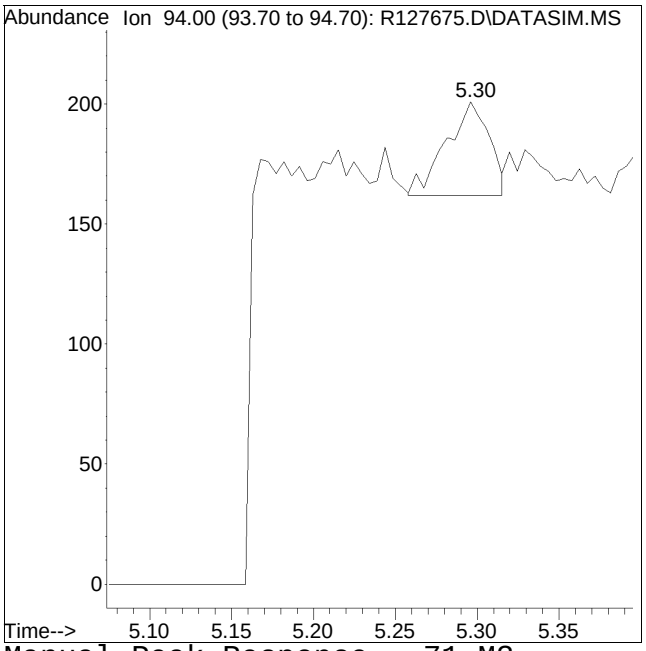
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #8: bromomethane





Original Peak Response = 189 Manual Peak Response = 71 M3

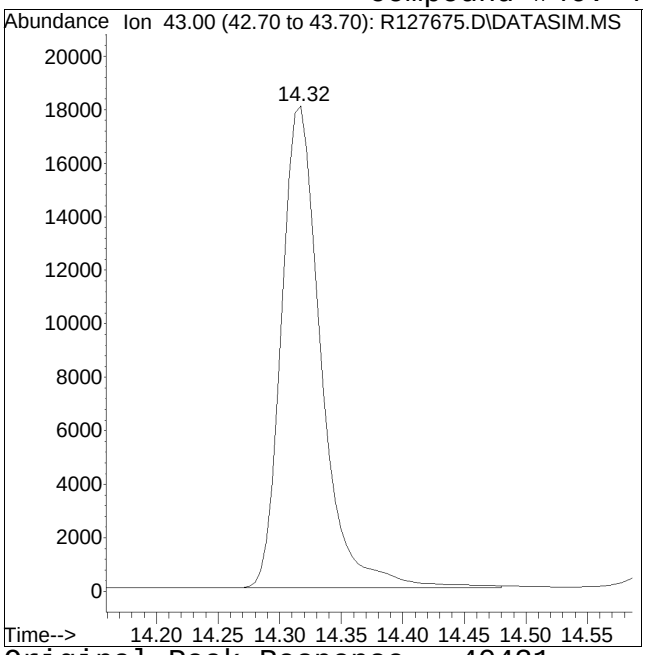
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

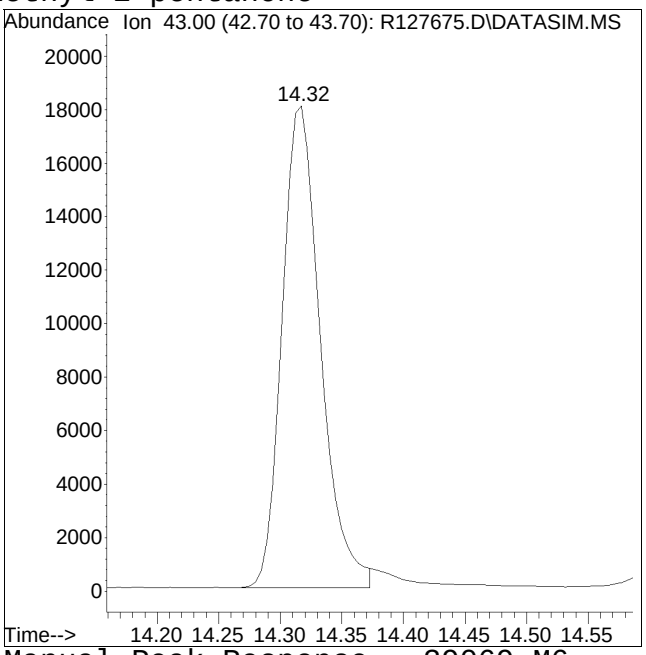
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 40431



Manual Peak Response = 39069 M6

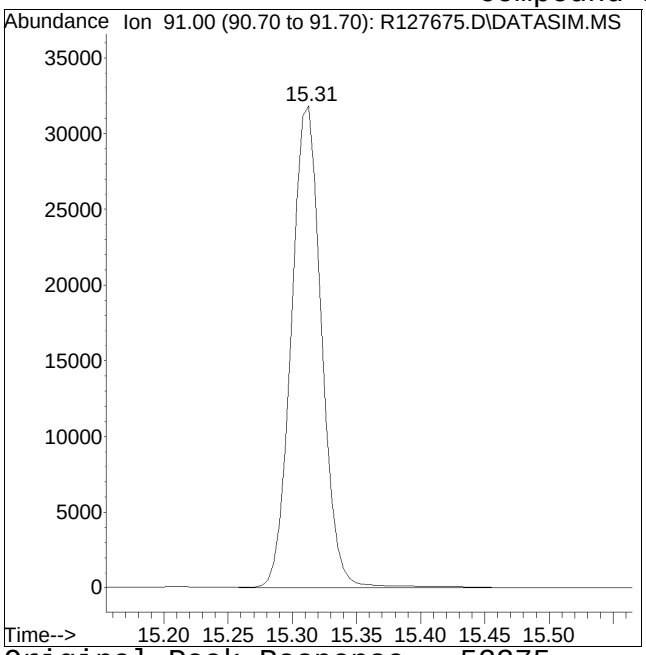
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

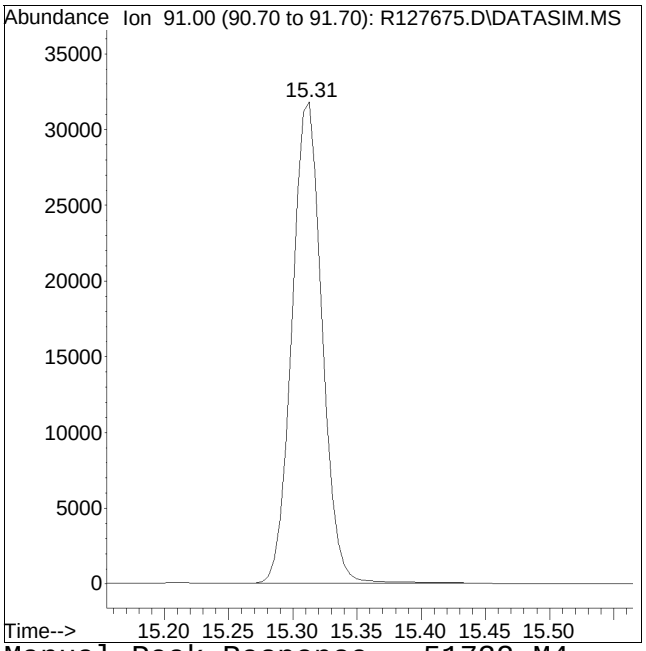
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #50: toluene



Original Peak Response = 52375



Manual Peak Response = 51732 M4

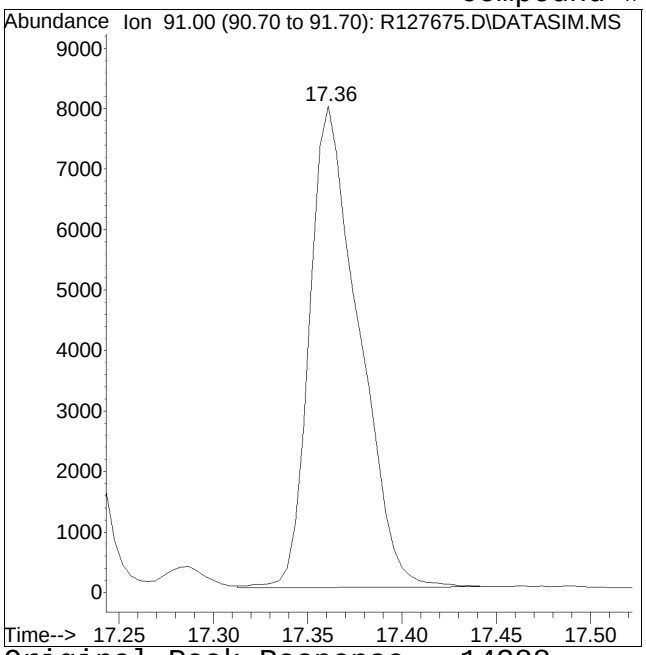
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

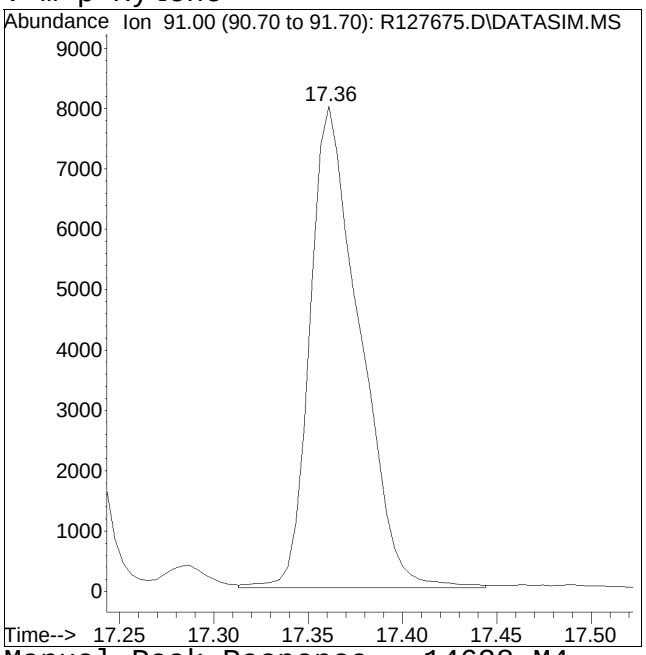
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #59: m+p-xylene



Original Peak Response = 14388



Manual Peak Response = 14628 M4

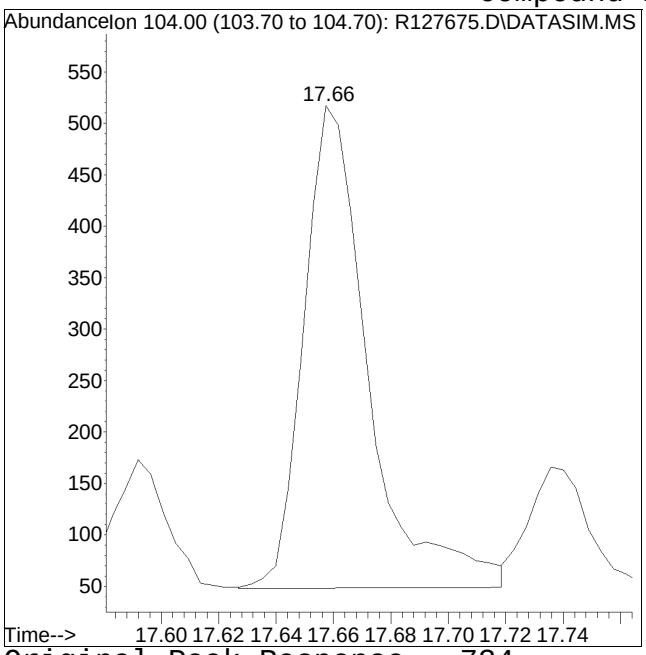
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

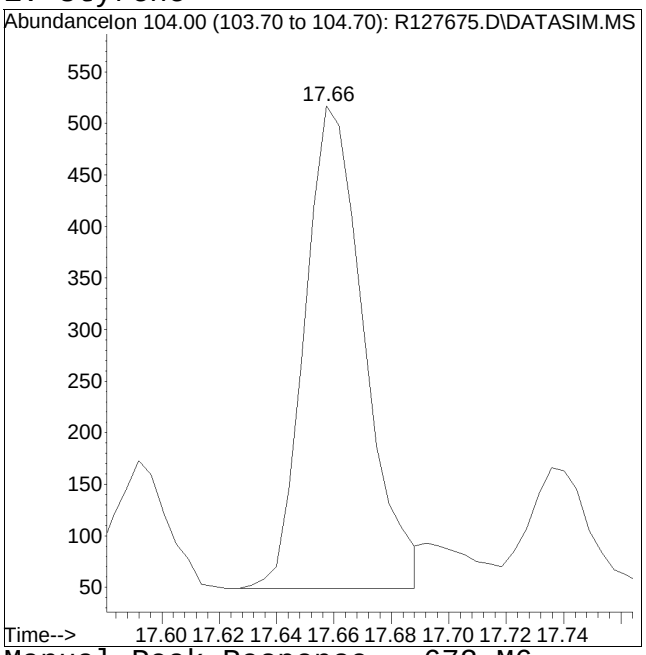
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #61: styrene



Original Peak Response = 734



Manual Peak Response = 672 M6

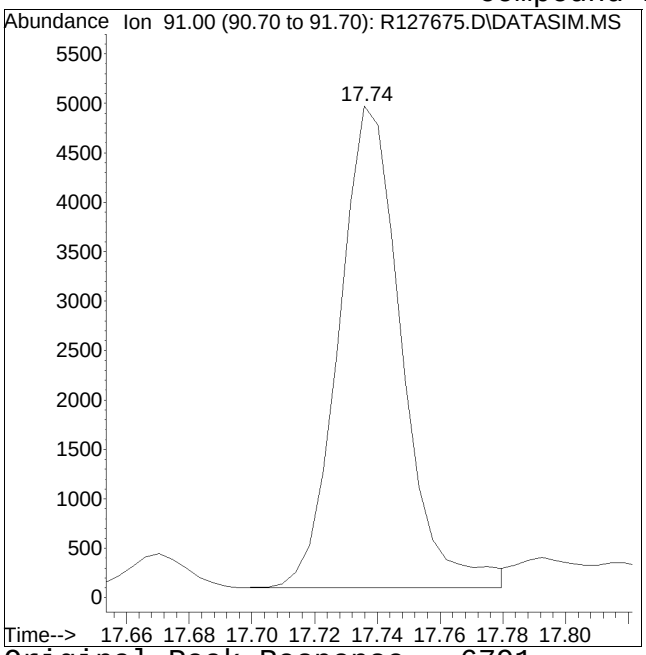
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

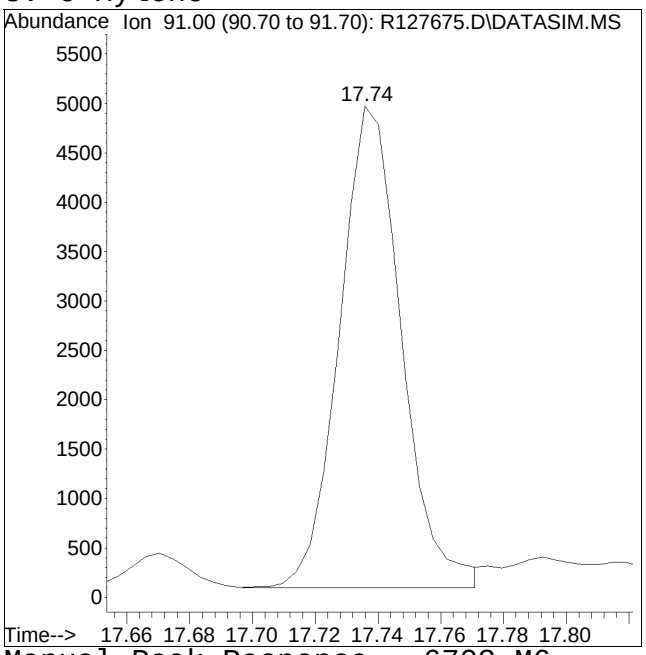
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #63: o-xylene



Original Peak Response = 6791



Manual Peak Response = 6703 M6

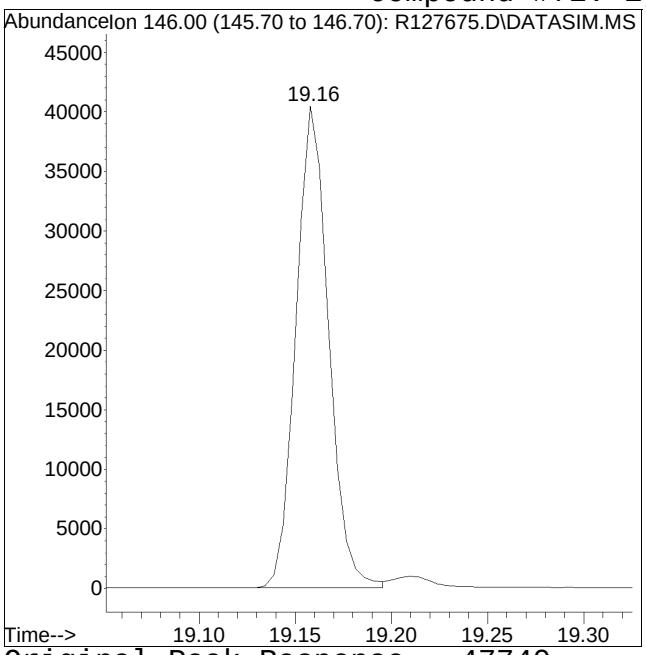
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

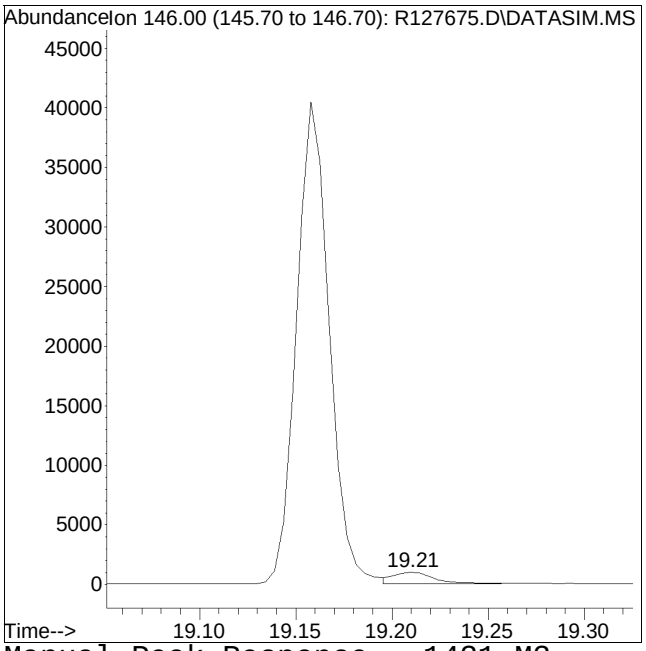
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #72: 1,4-dichlorobenzene





Original Peak Response = 47740 Manual Peak Response = 1431 M3

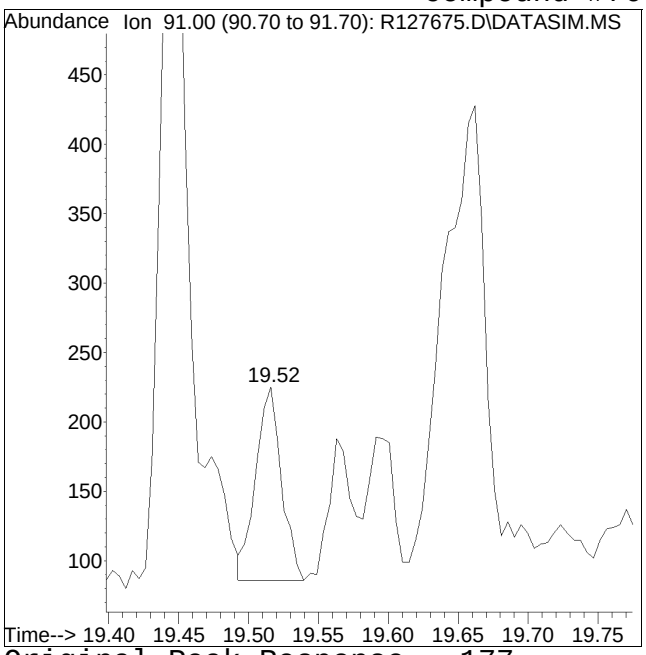
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

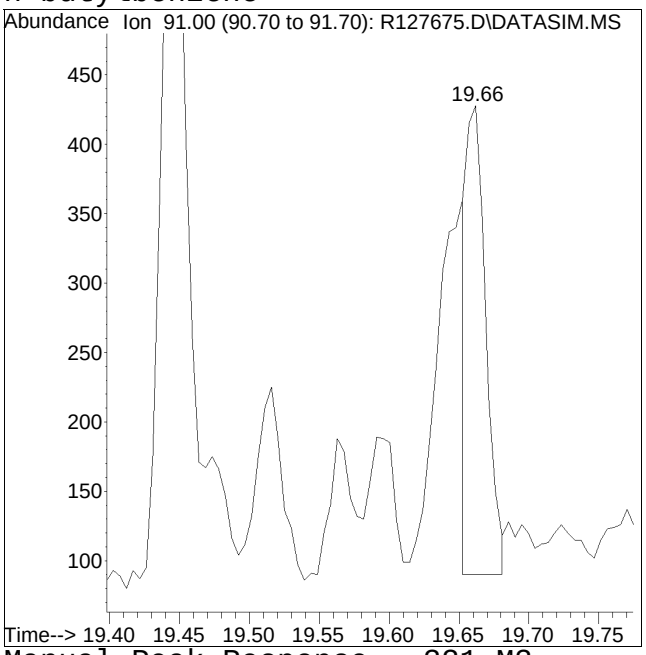
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127675.D
Date Inj'd : 4/15/2013 9:53 pm
Sample : L1306330-18D,3,75,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #76: n-butylbenzene



Original Peak Response = 177



Manual Peak Response = 321 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127676.D
Acq On : 15 Apr 2013 10:24 pm
Operator : AIRPIANO1:MB
Sample : L1306330-21,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 17 11:24:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	276067	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 99.47%			
32) 1,4-difluorobenzene	12.49	114	561478	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 98.69%			
49) chlorobenzene-D5	16.90	54	136740	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 99.03%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	17660	0.494	ppbV	100
4) chloromethane	4.40	50	3015	0.160	ppbV	98
5) Freon-114	4.55	85	540	0.014	ppbV	94
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	218	0.017	ppbV #	56
8) bromomethane	5.30		0	N.D.		
9) chloroethane	5.55	64	126	0.018	ppbV #	7
12) acetone	6.40	43	193969	6.494	ppbV #	99
13) trichlorofluoromethane	6.62	101	8742	0.204	ppbV	100
15) acrylonitrile	7.04	53	564M4	0.039	ppbV	
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	55114	2.207	ppbV	100
20) Freon 113	7.99	101	351932	11.808	ppbV	99
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.14	63	1345	0.045	ppbV #	70
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	173182	3.699	ppbV	98
27) cis-1,2-dichloroethene	0.00		0	N.D.	d	
29) chloroform	10.43	83	112413	3.483	ppbV	99
31) 1,2-dichloroethane	11.27	62	290	0.012	ppbV #	60
35) 1,1,1-trichloroethane	11.56	97	502652	16.723	ppbV	97
36) benzene	12.08	78	274110	6.178	ppbV	99
37) carbon tetrachloride	12.25	117	839467	25.467	ppbV	100
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	328	0.015	ppbV #	93
45) cis-1,3-dichloropropene	14.28		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	59375	1.178	ppbV	99
47) trans-1,3-dichloropropene	0.00		0	N.D.	d	

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127676.D
Acq On : 15 Apr 2013 10:24 pm
Operator : AIRPIANO1:MB
Sample : L1306330-21,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 17 11:24:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

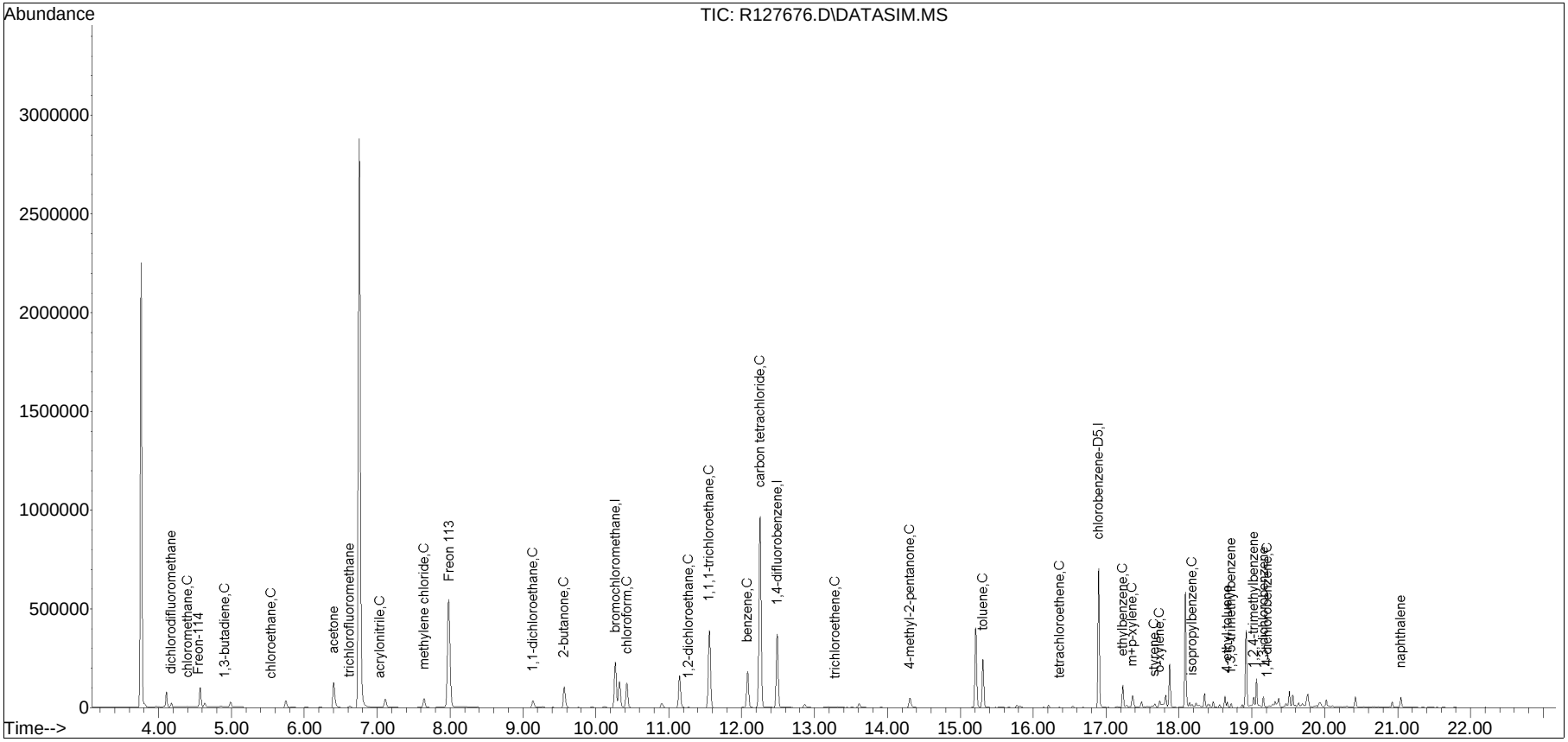
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	217213M4	3.919	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	1238	0.043	ppbV		94
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	16.94		0	N.D.			
58) ethylbenzene	17.23	91	101878	1.435	ppbV		99
59) m+p-xylene	17.36	91	47668	0.864	ppbV		98
60) bromoform	17.46		0	N.D.			
61) styrene	17.66	104	1144	0.027	ppbV	#	87
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	21537	0.374	ppbV		99
65) isopropylbenzene	18.18	105	10380	0.123	ppbV		99
66) 4-ethyl toluene	18.66	105	22347	0.267	ppbV	#	98
67) 1,3,5-trimethylbenzene	18.72	105	15679	0.228	ppbV	#	99
69) 1,2,4-trimethylbenzene	19.03	105	29355	0.427	ppbV	#	53
71) 1,3-dichlorobenzene	19.16	146	32350	0.622	ppbV	#	89
72) 1,4-dichlorobenzene	19.21	146	1118	0.021	ppbV	#	58
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.92		0	N.D.			
78) naphthalene	21.04	128	63479	0.632	ppbV		99
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

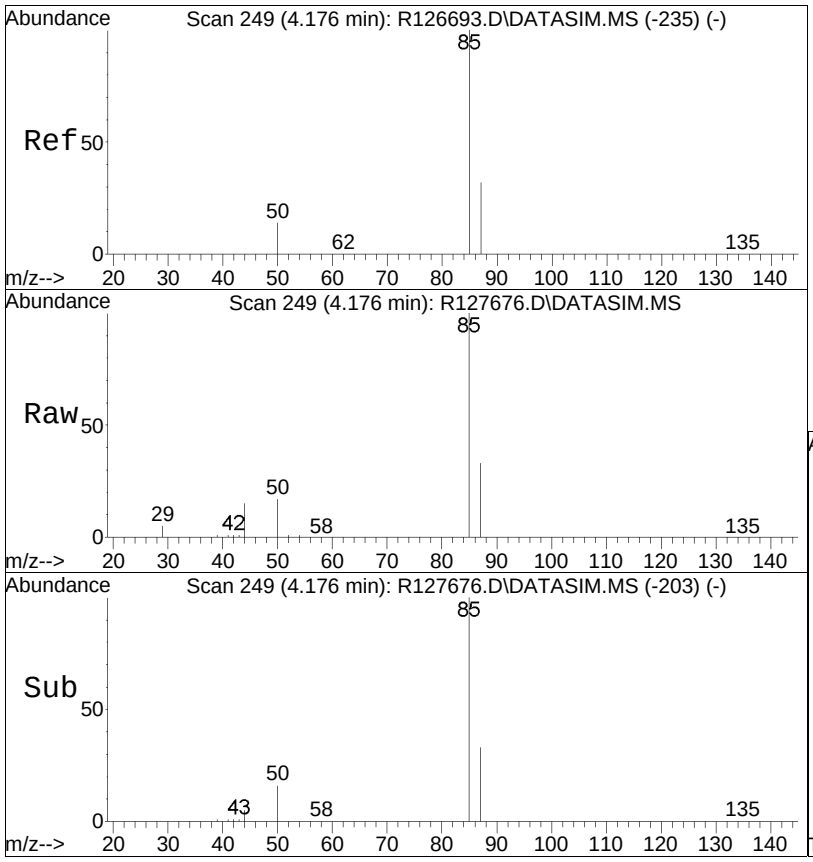
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127676.D
Acq On : 15 Apr 2013 10:24 pm
Operator : AIRPIANO1:MB
Sample : L1306330-21,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 17 11:24:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

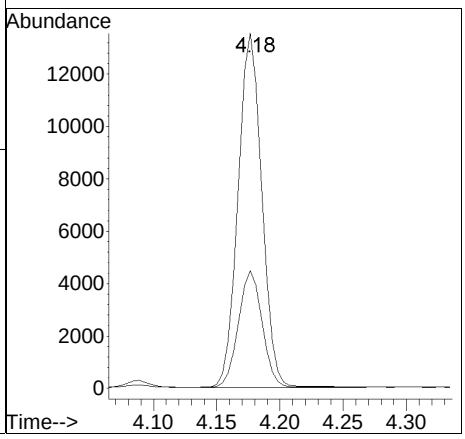


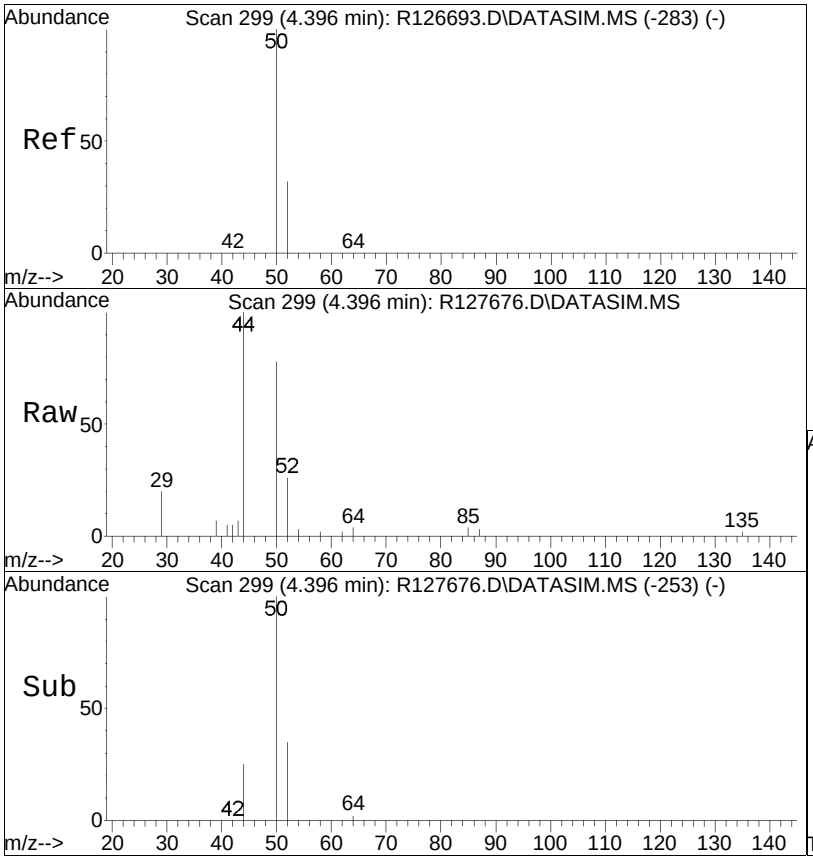


#3
dichlorodifluoromethane
Concen: 0.49 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 85 Resp: 17660

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	40.0

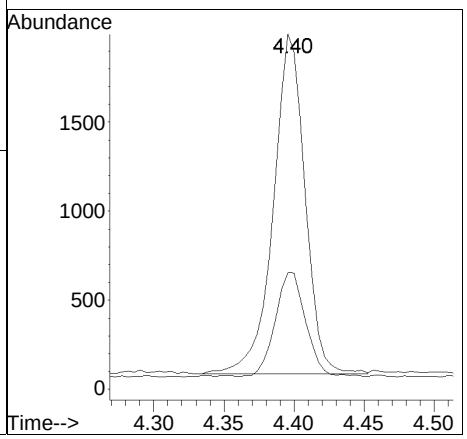


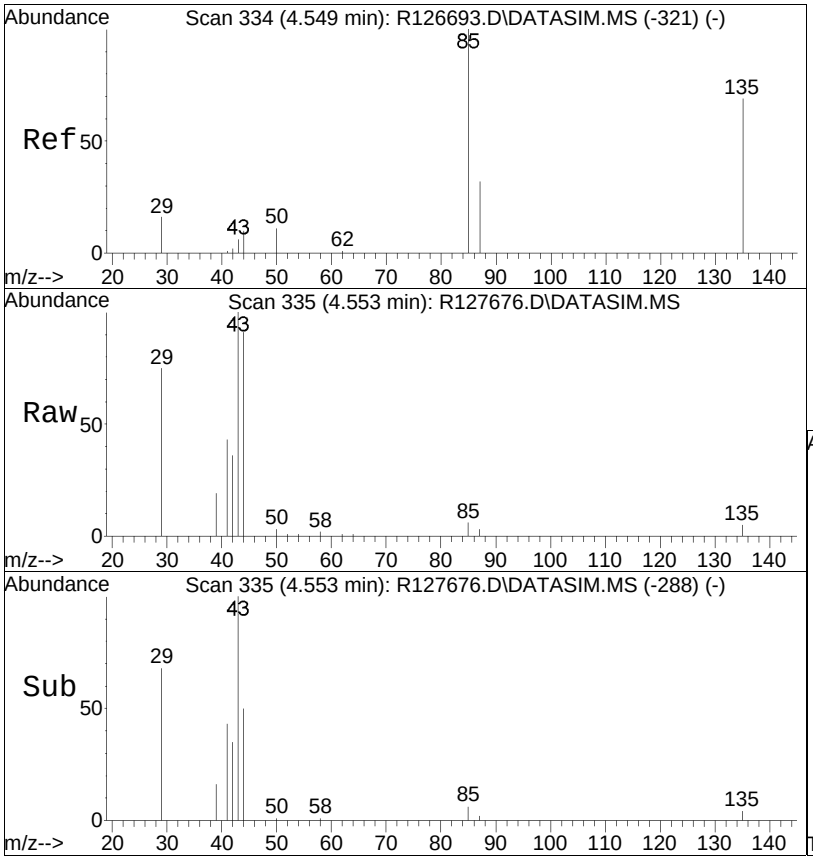


#4
chloromethane
Concen: 0.16 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 50 Resp: 3015

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.3	37.9

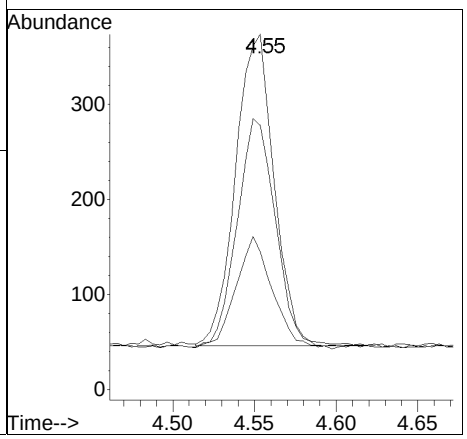


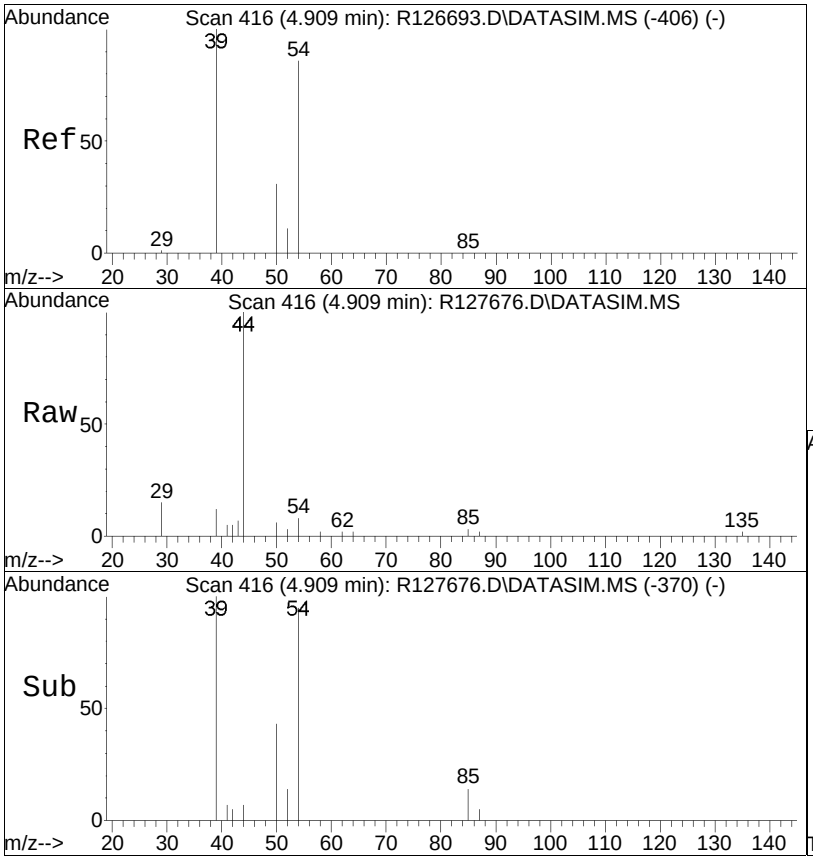


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 335
Delta R.T. 0.005 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 85 Resp: 540

Ion	Ratio	Lower	Upper
85	100		
87	38.8	26.5	39.7
135	74.3	56.9	85.3

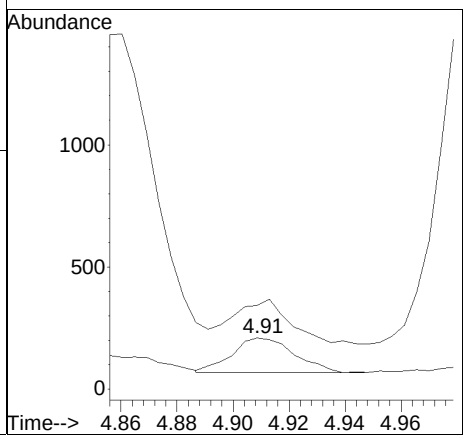


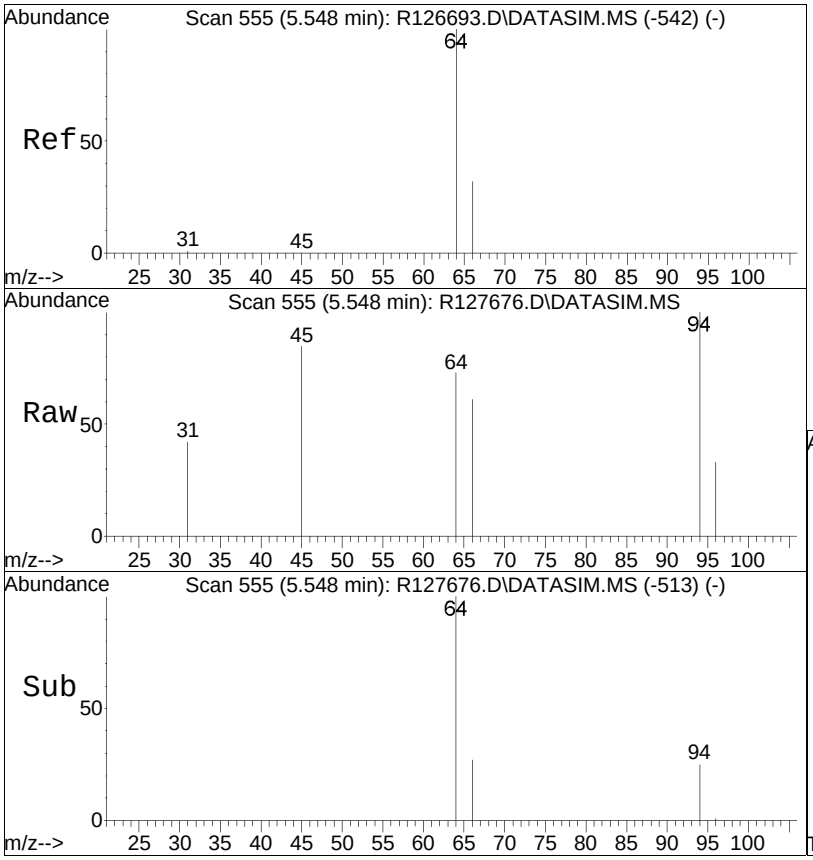


#7
1,3-butadiene
Concen: 0.02 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 54 Resp: 218

Ion	Ratio	Lower	Upper
54	100		
39	163.3	92.4	138.6#

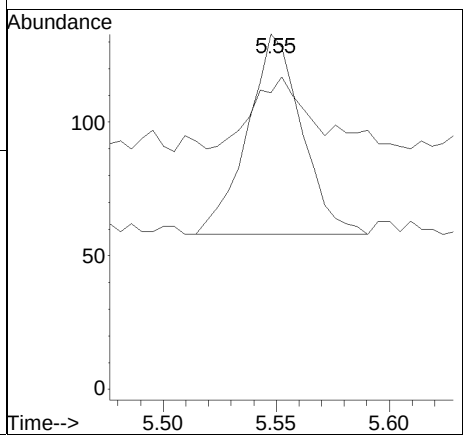


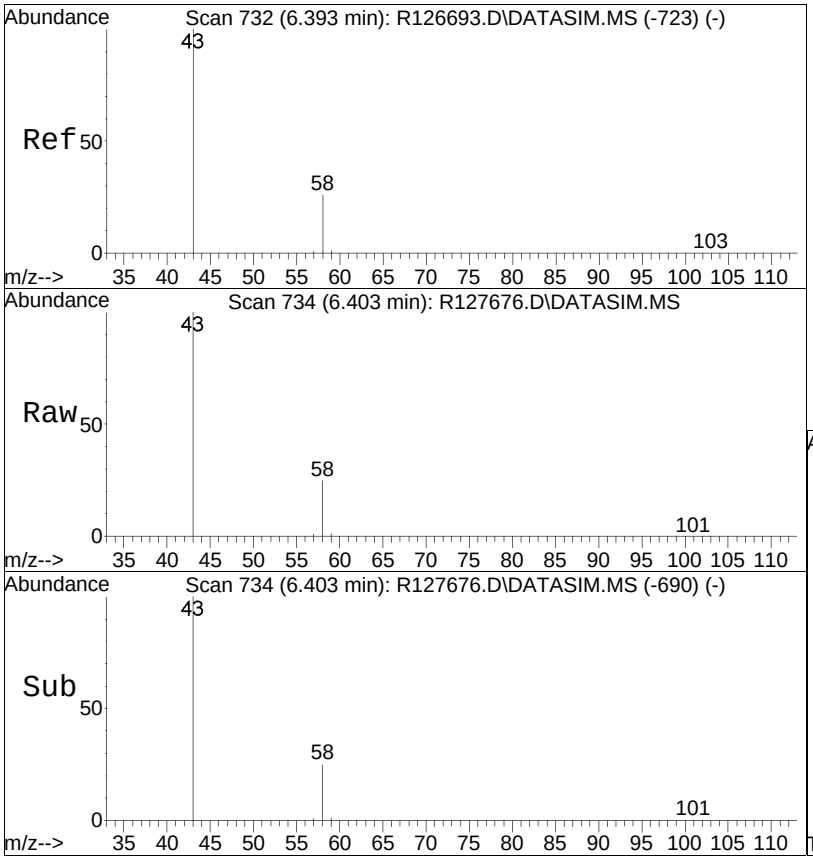


#9
chloroethane
Concen: 0.02 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 64 Resp: 126

Ion	Ratio	Lower	Upper
64	100		
66	83.5	25.5	38.3#

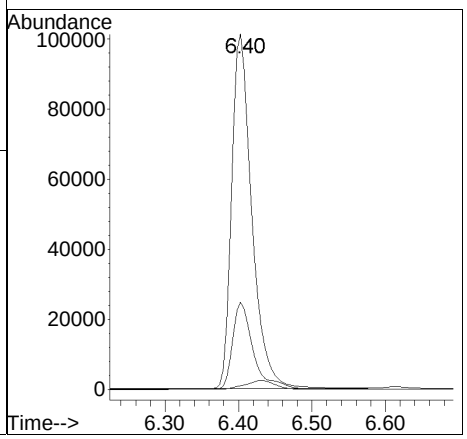


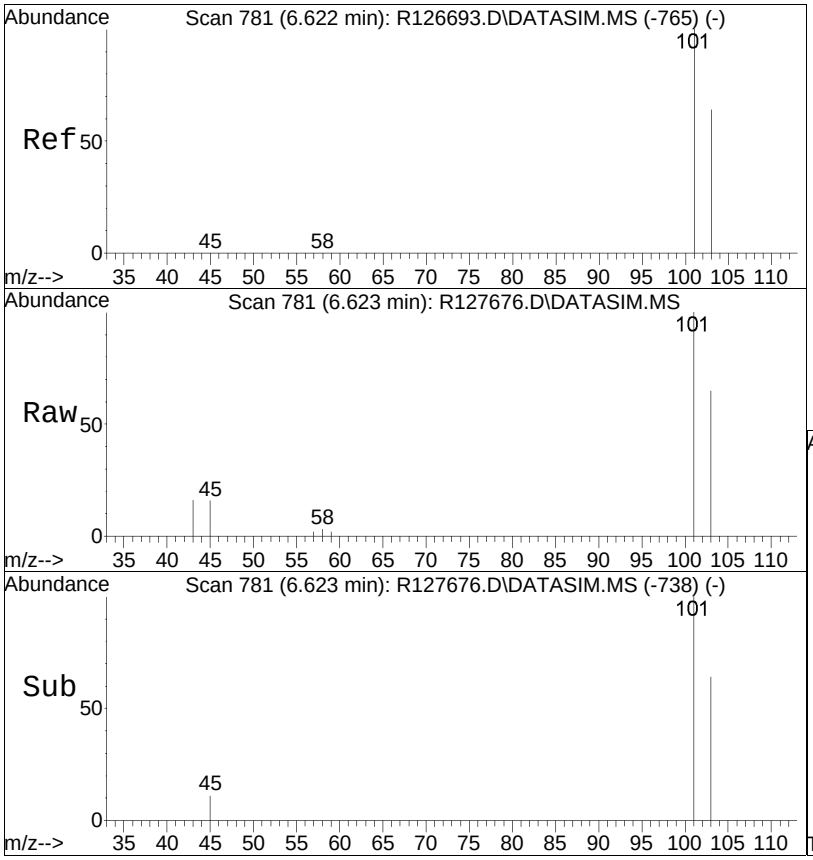


#12
acetone
Concen: 6.49 ppbV
RT: 6.40 min Scan# 734
Delta R.T. 0.010 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 43 Resp: 193969

Ion	Ratio	Lower	Upper
43	100		
58	24.5	20.0	30.0
57	1.1	0.6	1.0#

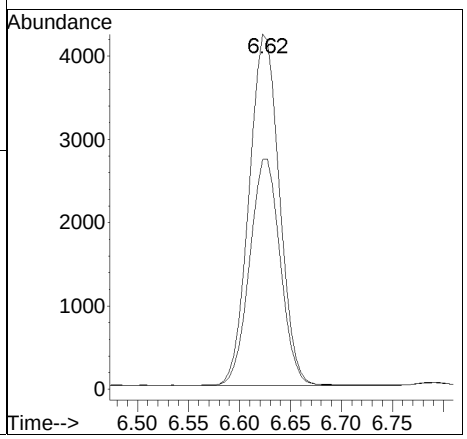


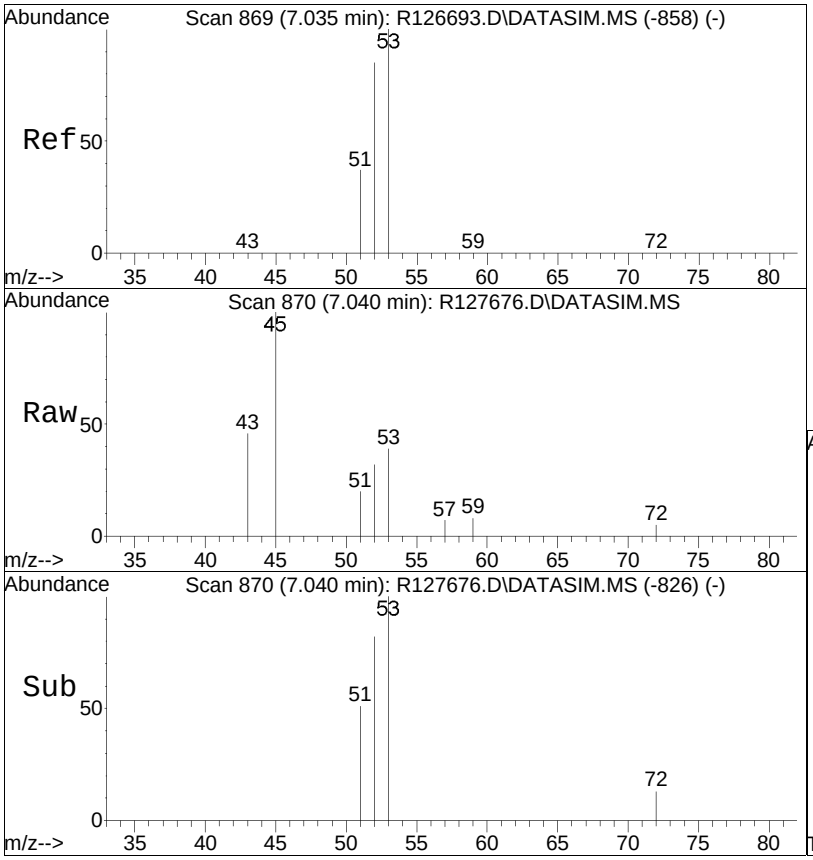


#13
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:101 Resp: 8742

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

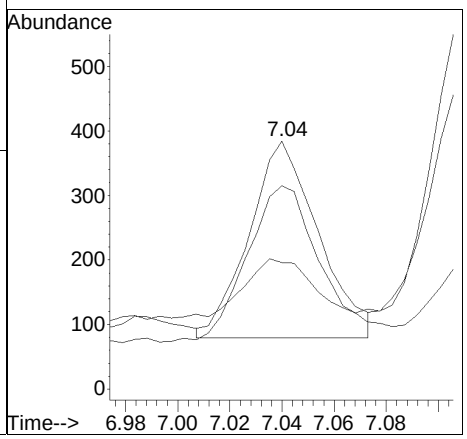


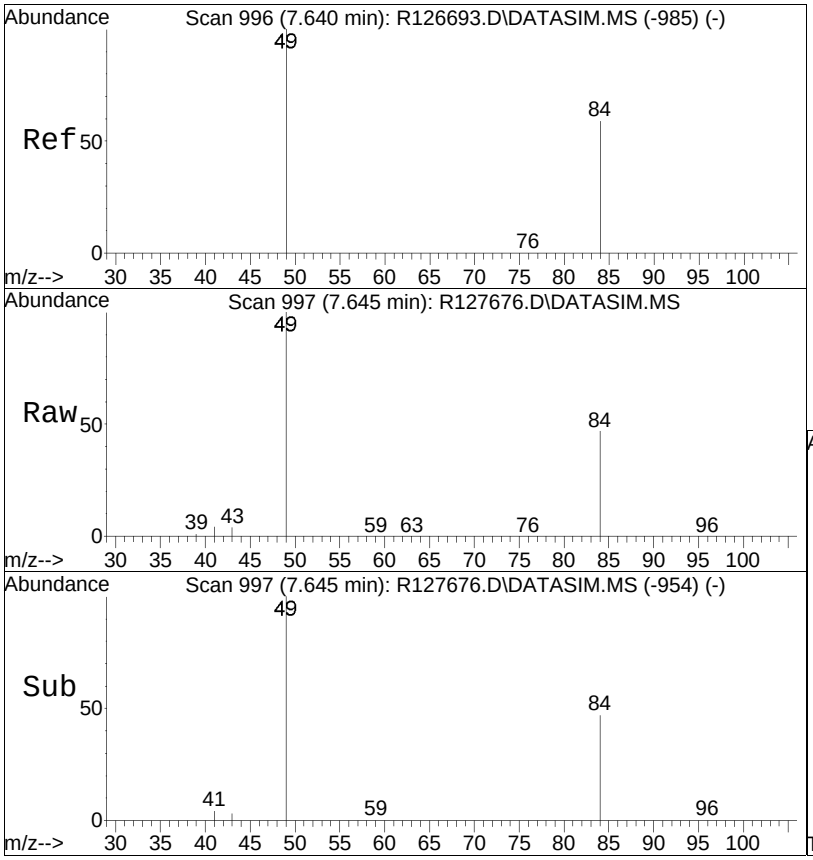


#15
acrylonitrile
Concen: 0.04 ppbV m
RT: 7.04 min Scan# 870
Delta R.T. 0.005 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 53 Resp: 564

Ion	Ratio	Lower	Upper
53	100		
52	82.0	68.5	102.7
51	51.0	30.1	45.1#

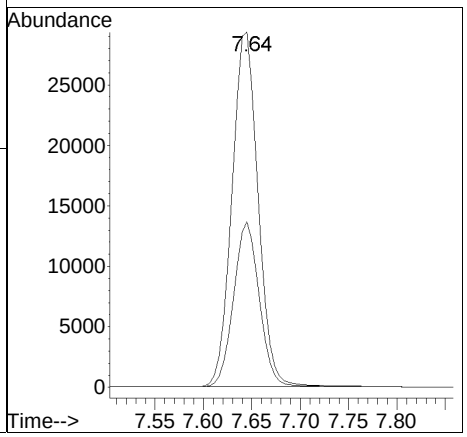


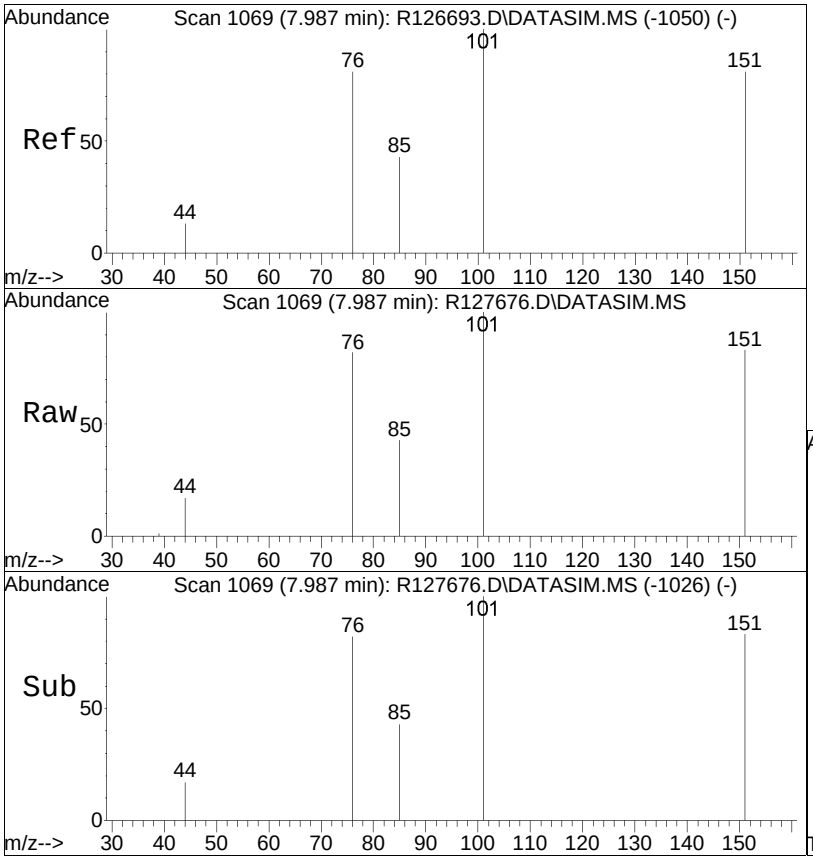


#17
methylene chloride
Concen: 2.21 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 49 Resp: 55114

Ion	Ratio	Lower	Upper
49	100		
84	46.6	37.2	55.8

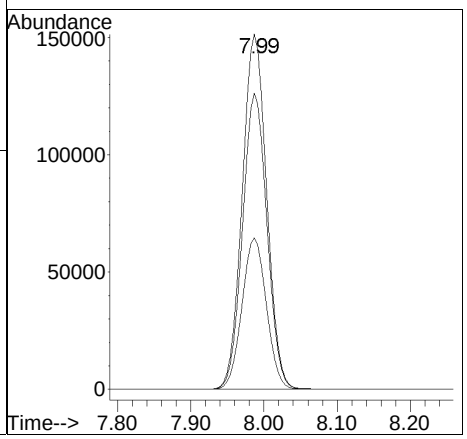


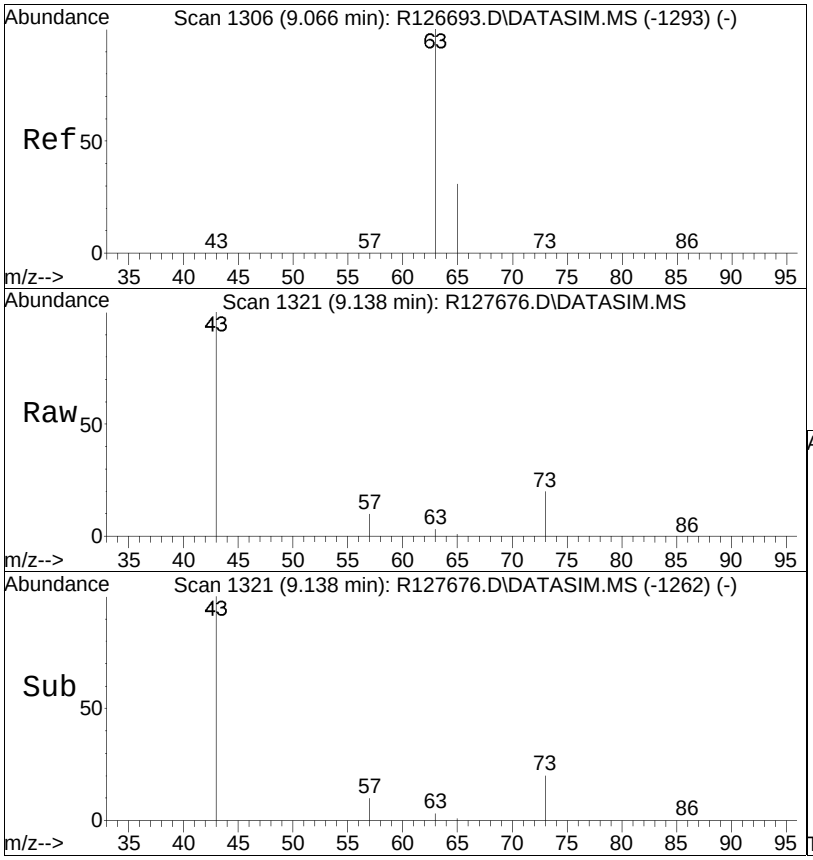


#20
Freon 113
Concen: 11.81 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:101 Resp: 351932

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.2	51.2
151	83.4	67.8	101.8

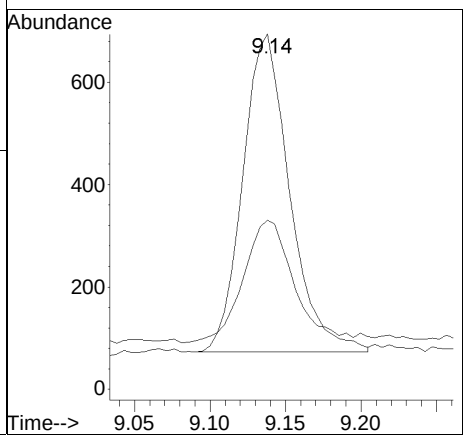


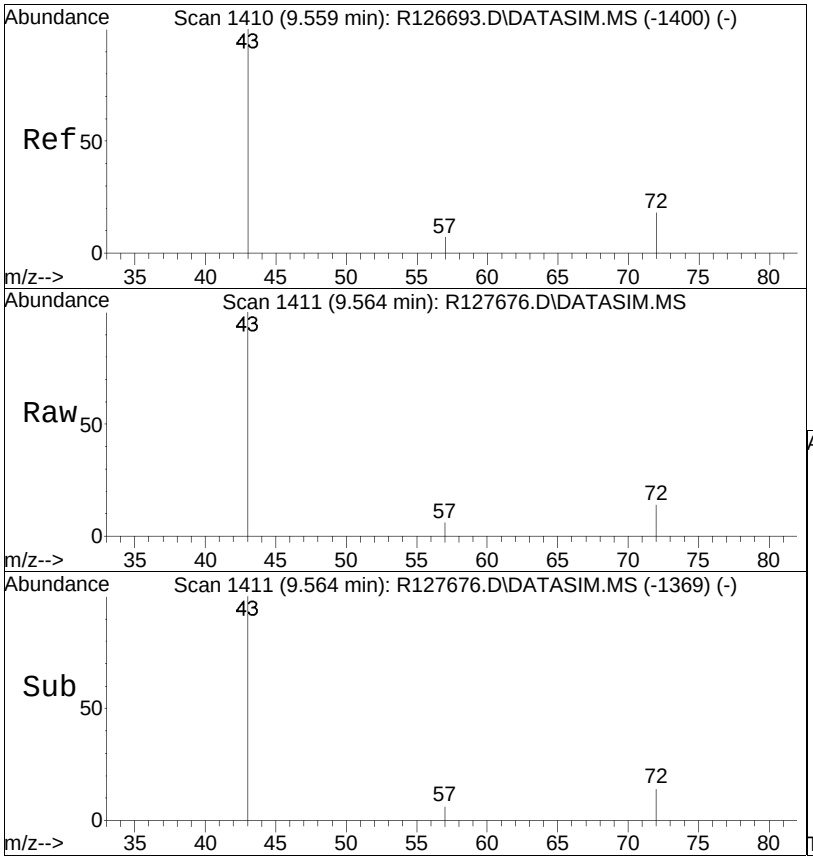


#23
1,1-dichloroethane
Concen: 0.04 ppbV
RT: 9.14 min Scan# 1321
Delta R.T. 0.071 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 63 Resp: 1345

Ion	Ratio	Lower	Upper
63	100		
65	47.6	25.0	37.4#

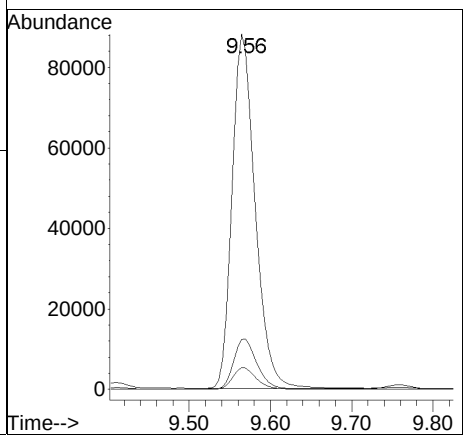


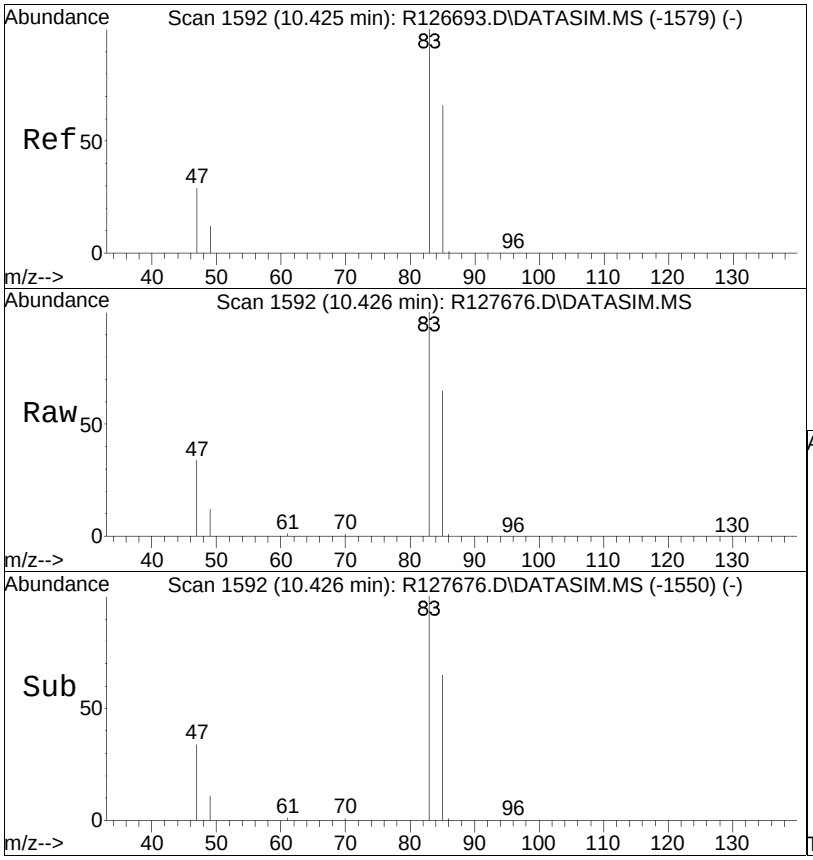


#26
2-butanone
Concen: 3.70 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 43 Resp: 173182

Ion	Ratio	Lower	Upper
43	100		
72	14.0	12.0	18.0
57	6.1	5.2	7.8

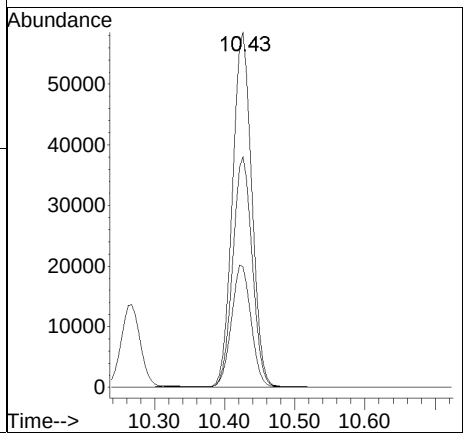


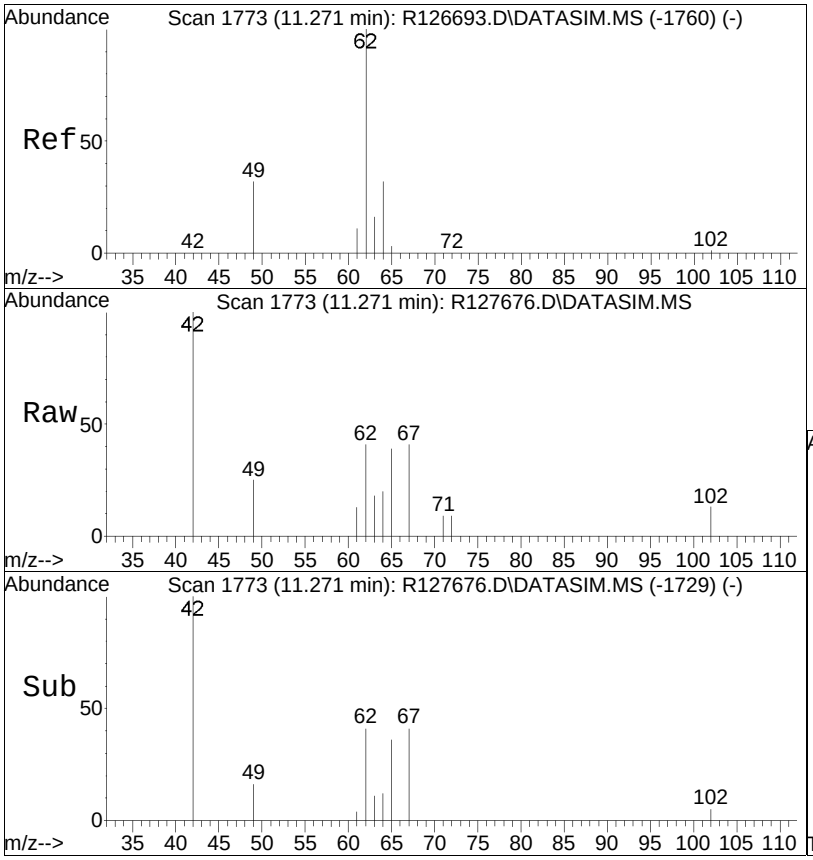


#29
chloroform
Concen: 3.48 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 83 Resp: 112413

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2
47	34.0	26.4	39.6

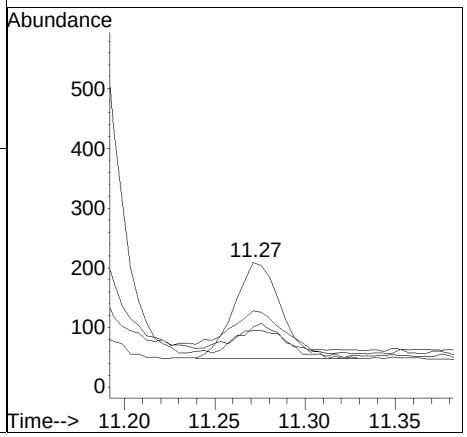


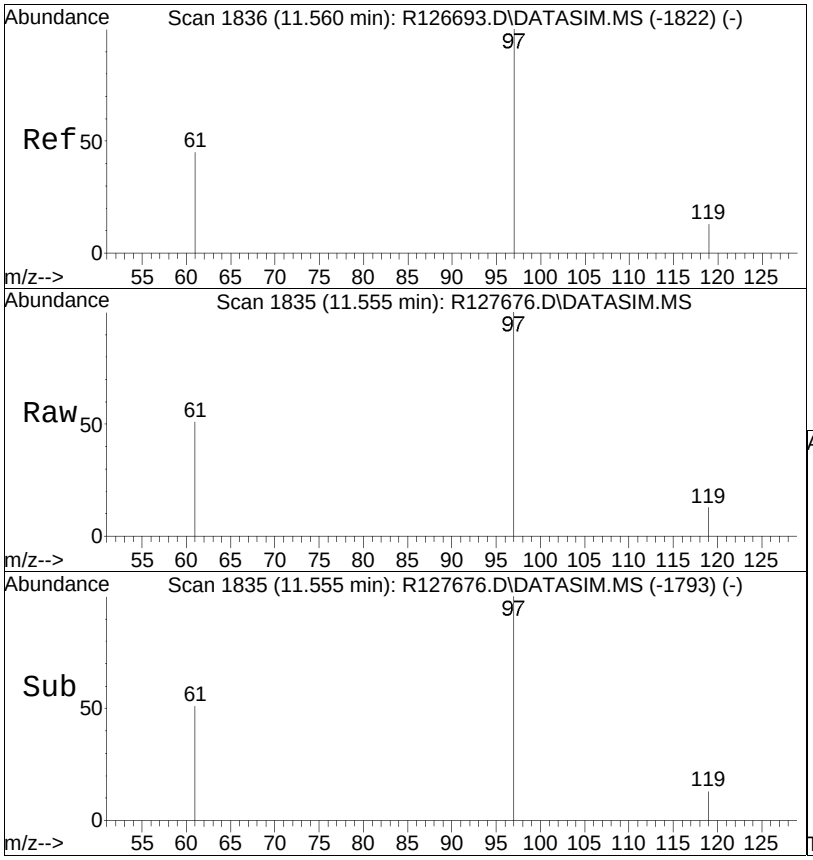


#31
1,2-dichloroethane
Concen: 0.01 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 62 Resp: 290

Ion	Ratio	Lower	Upper
62	100		
64	48.3	25.0	37.6#
49	61.2	31.2	46.8#
63	45.5	13.3	19.9#

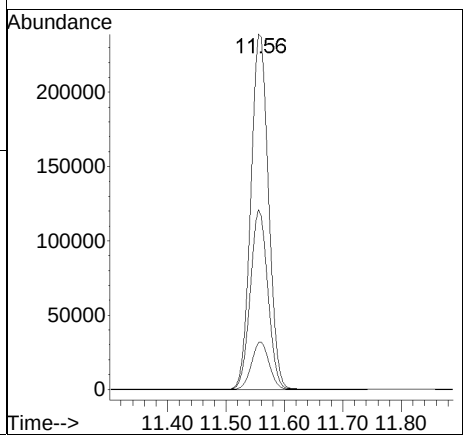


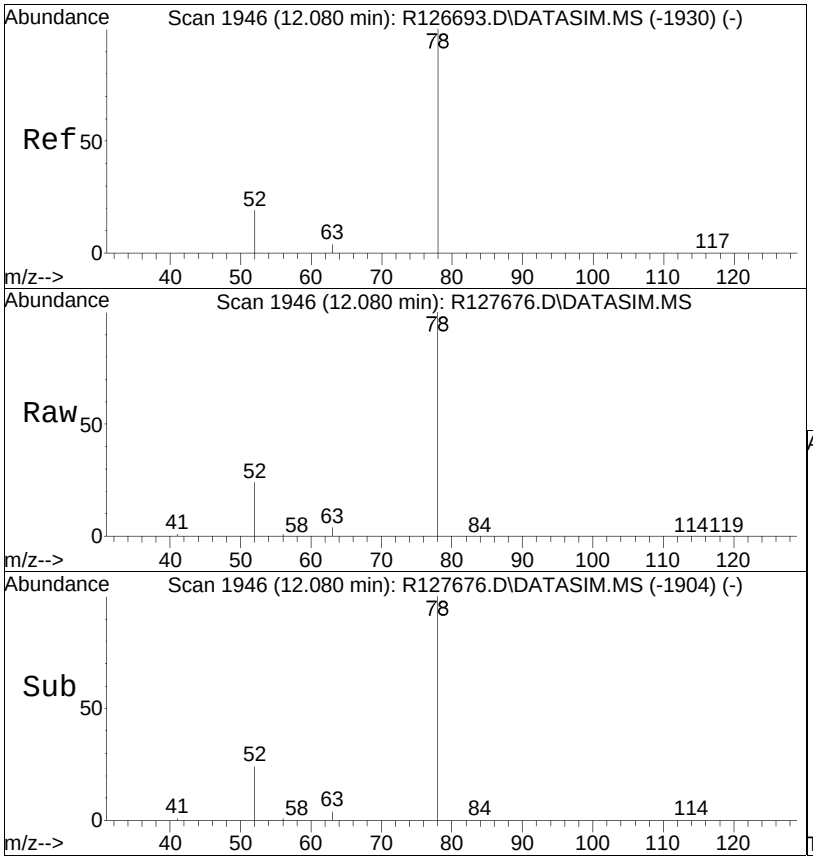


#35
1,1,1-trichloroethane
Concen: 16.72 ppbV
RT: 11.56 min Scan# 1835
Delta R.T. -0.005 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 97 Resp: 502652

Ion	Ratio	Lower	Upper
97	100		
61	50.6	38.6	58.0
119	13.2	11.0	16.6

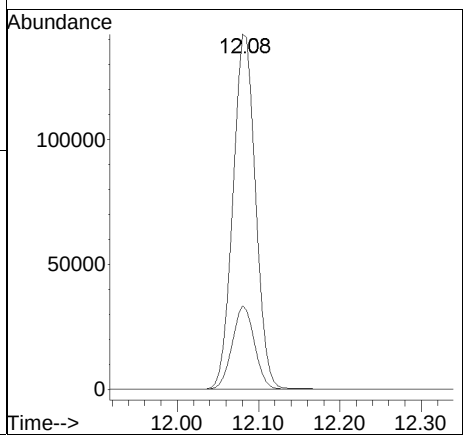


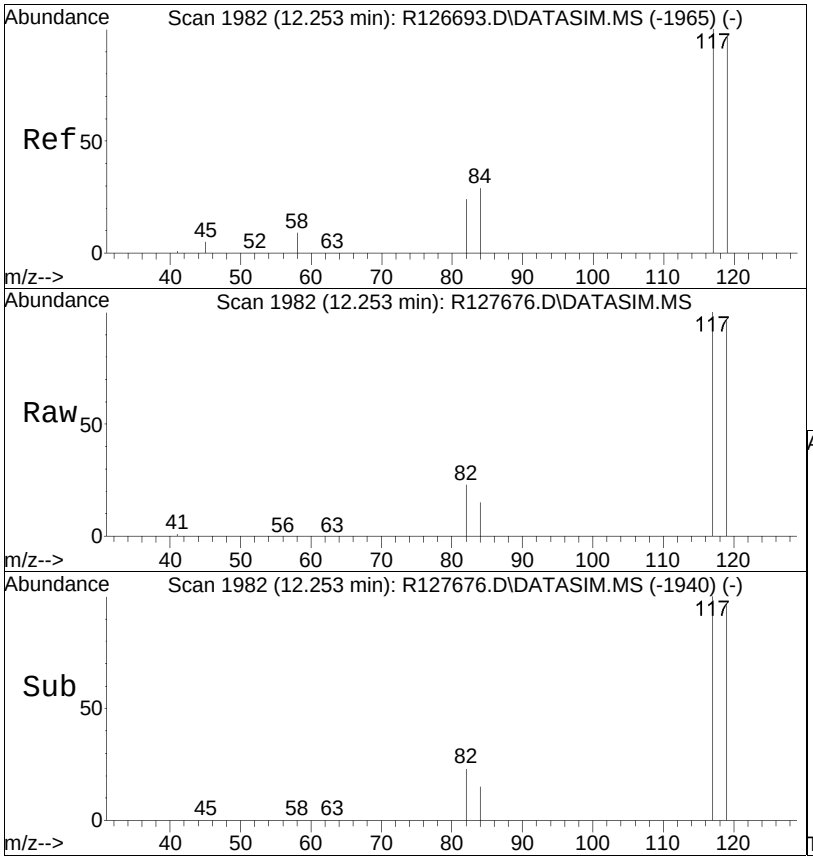


#36
benzene
Concen: 6.18 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 78 Resp: 274110

Ion	Ratio	Lower	Upper
78	100		
52	23.5	18.5	27.7

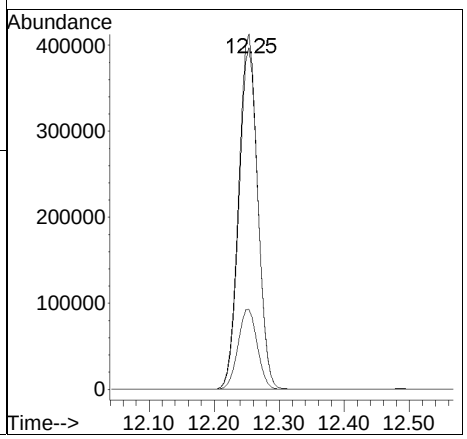


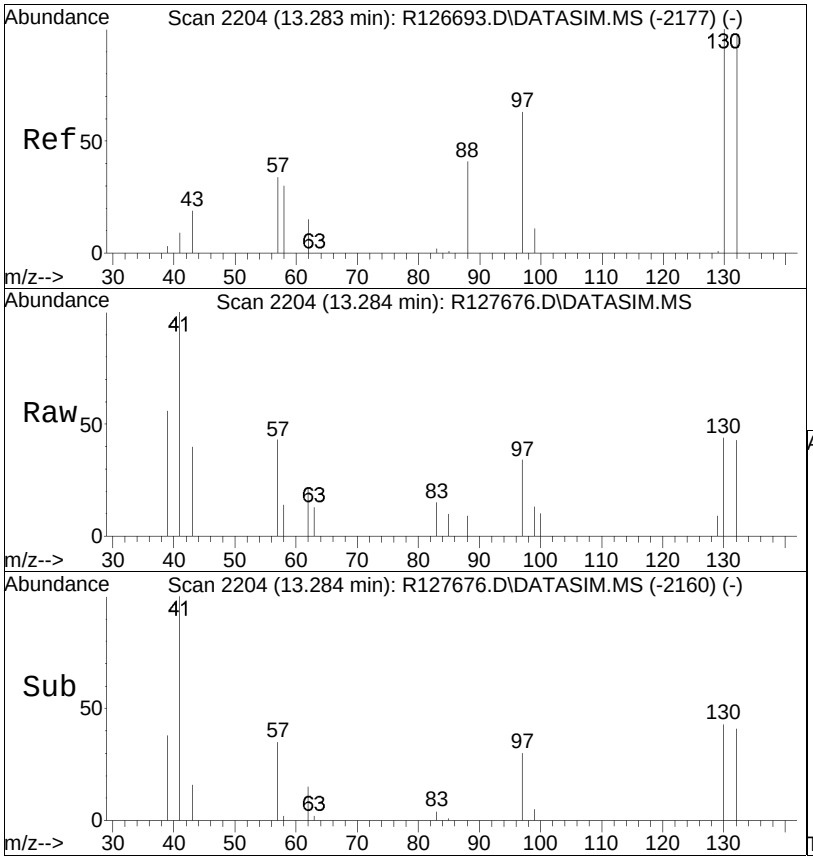


#37
carbon tetrachloride
Concen: 25.47 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:117 Resp: 839467

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.4	116.0
82	22.6	18.2	27.2

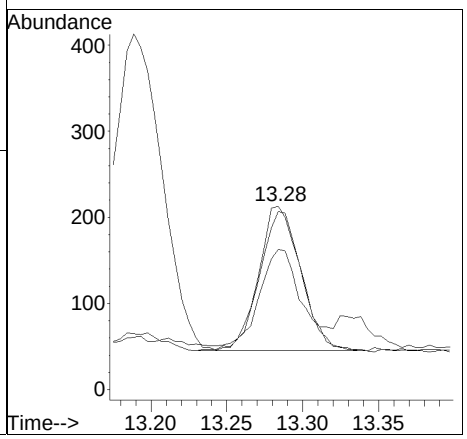


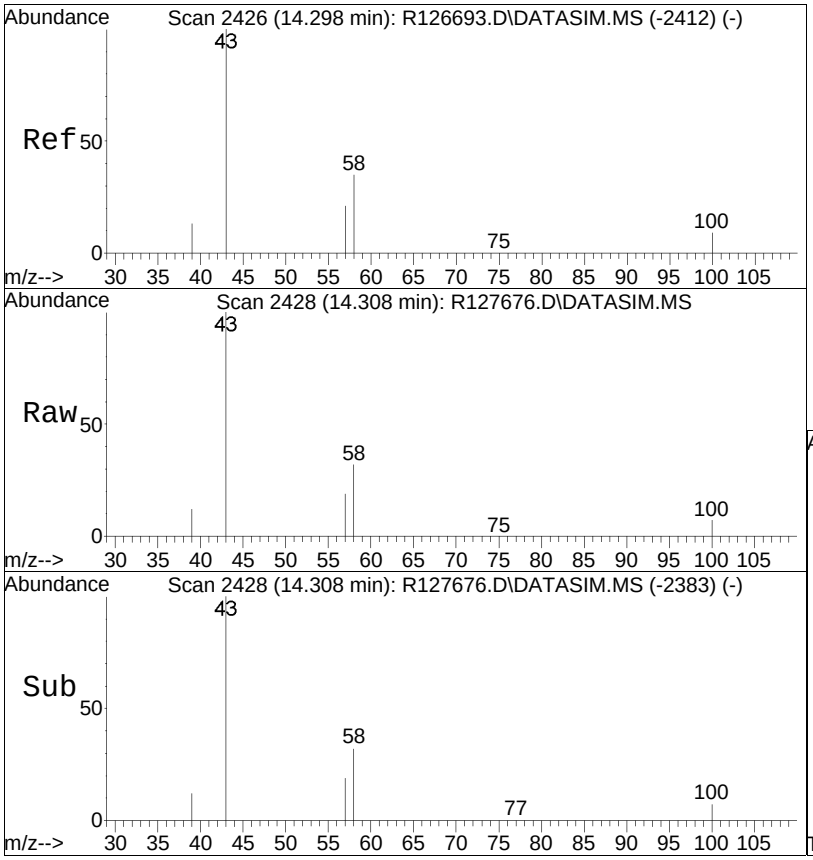


#42
trichloroethene
Concen: 0.02 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:130 Resp: 328

Ion	Ratio	Lower	Upper
130	100		
132	97.2	77.3	115.9
97	76.5	50.6	75.8#

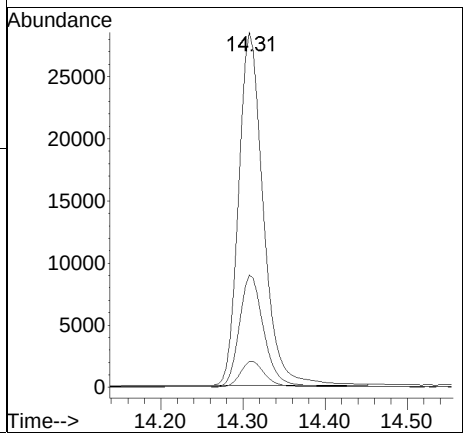


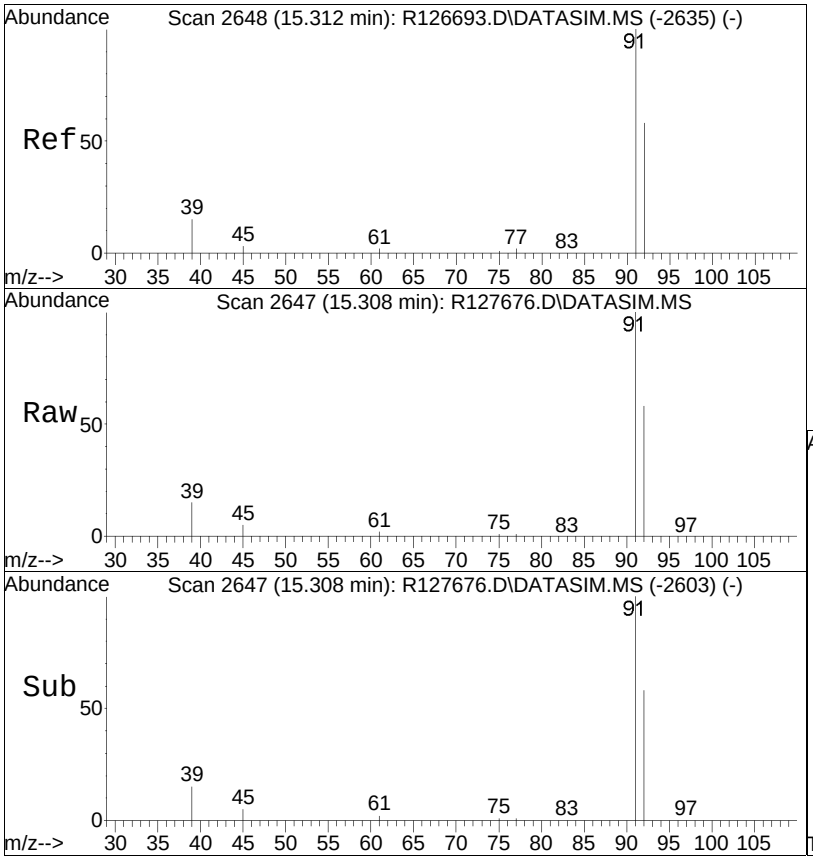


#46
4-methyl-2-pentanone
Concen: 1.18 ppbV
RT: 14.31 min Scan# 2428
Delta R.T. 0.009 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 43 Resp: 59375

Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.0	39.0
100	7.3	5.8	8.6

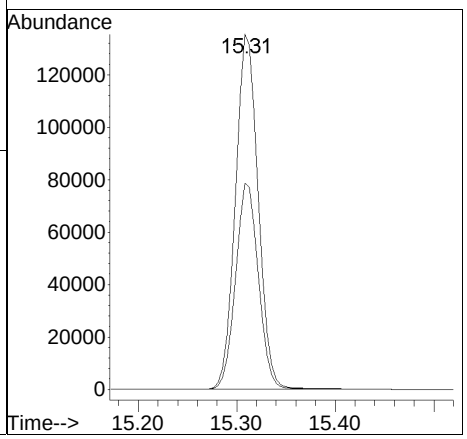


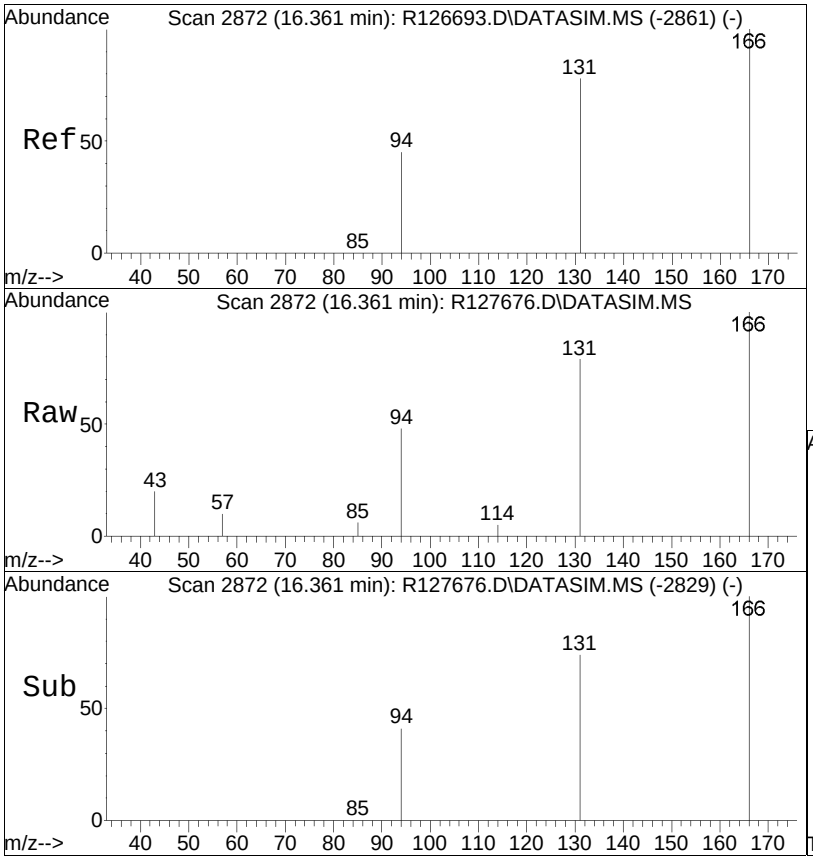


#50
toluene
Concen: 3.92 ppbV m
RT: 15.31 min Scan# 2647
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 91 Resp: 217213

Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.4	69.6

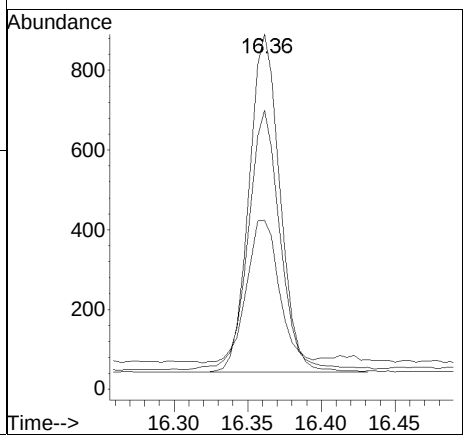


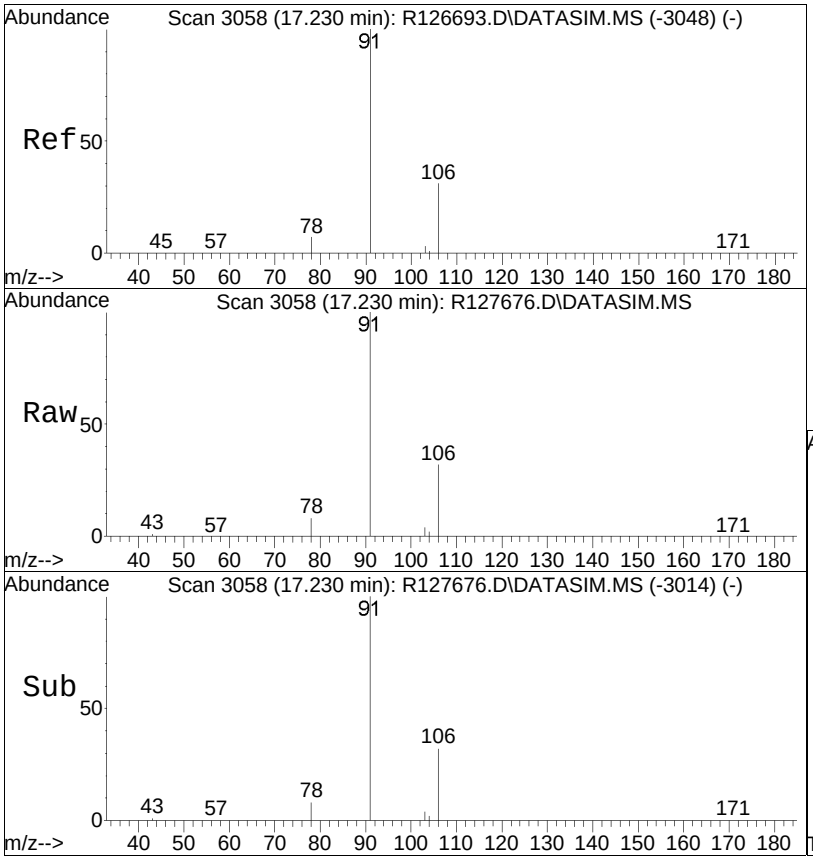


#55
tetrachloroethene
Concen: 0.04 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:166 Resp: 1238

Ion	Ratio	Lower	Upper
166	100		
131	78.6	60.6	90.8
94	47.6	32.2	48.2

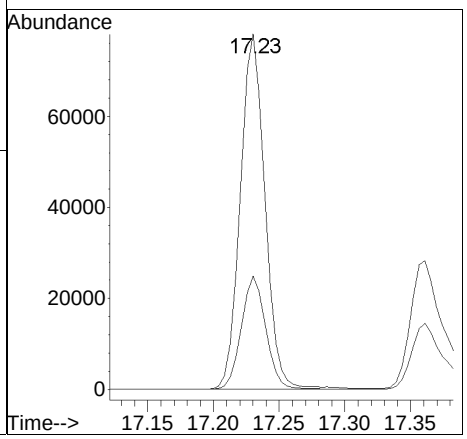


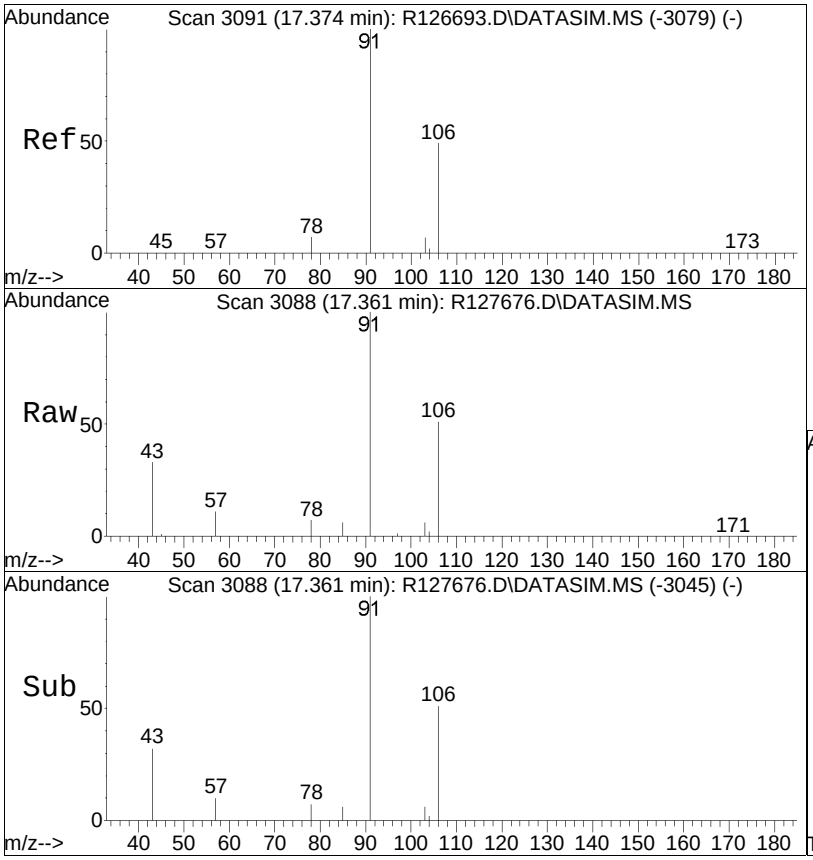


#58
ethylbenzene
Concen: 1.43 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 91 Resp: 101878

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9

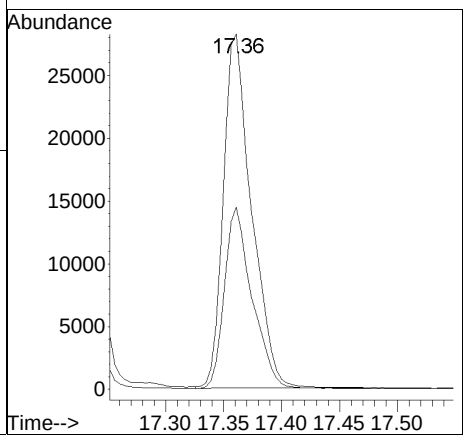


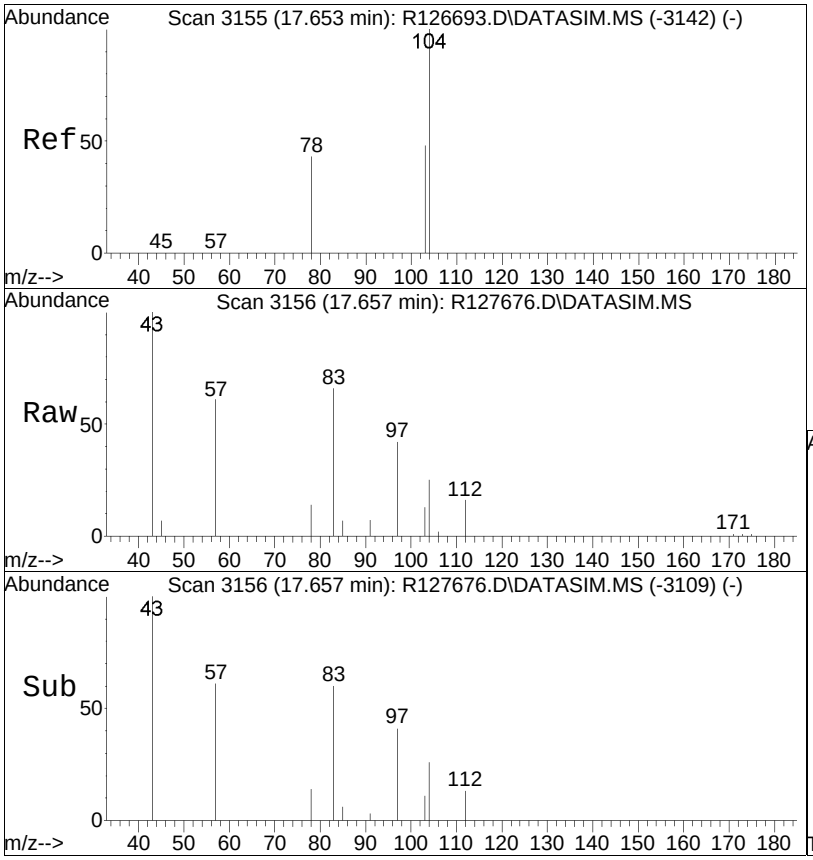


#59
m+p-xylene
Concen: 0.86 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 91 Resp: 47668

Ion	Ratio	Lower	Upper
91	100		
106	51.3	40.0	60.0

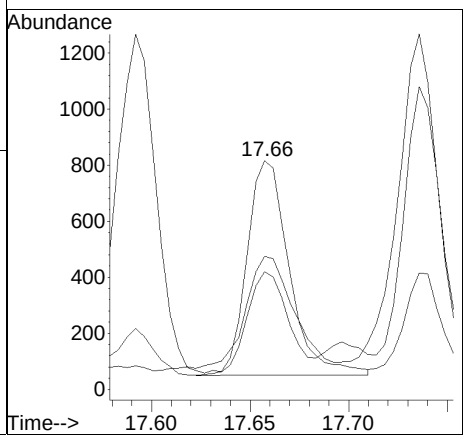


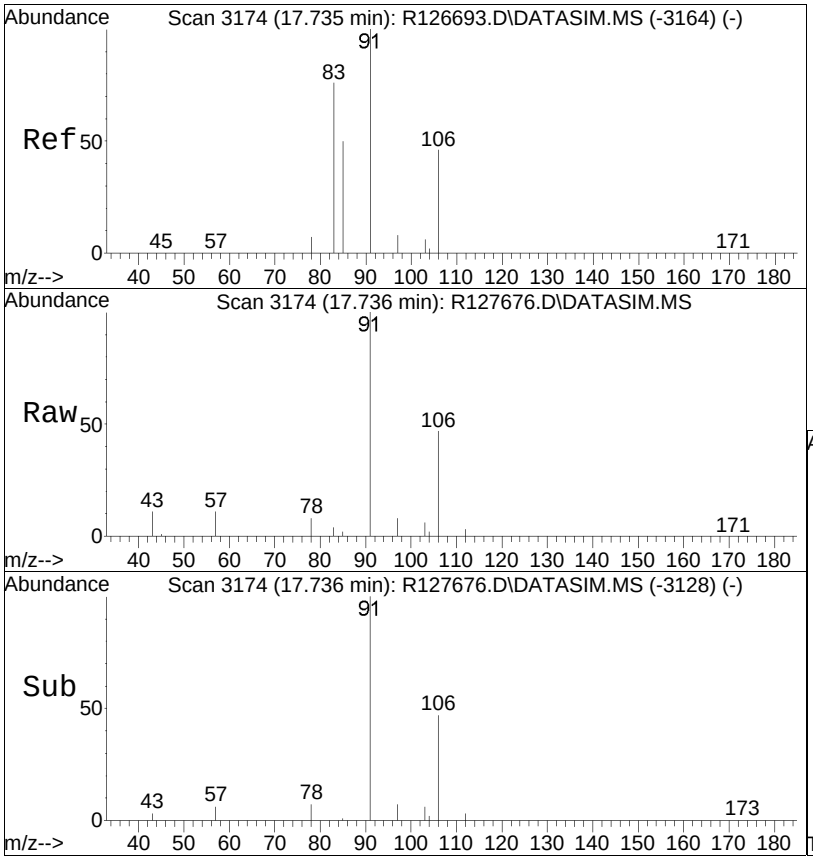


#61
styrene
Concen: 0.03 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:104 Resp: 1144

Ion	Ratio	Lower	Upper
104	100		
103	51.5	38.3	57.5
78	58.2	35.0	52.6#

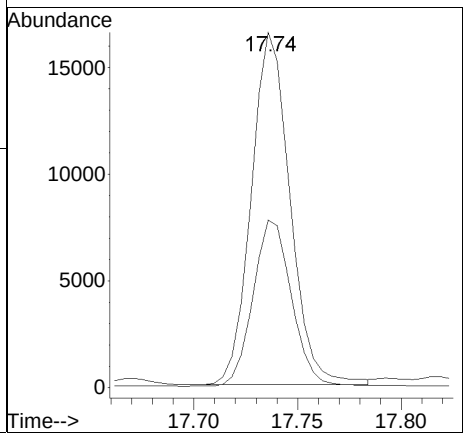


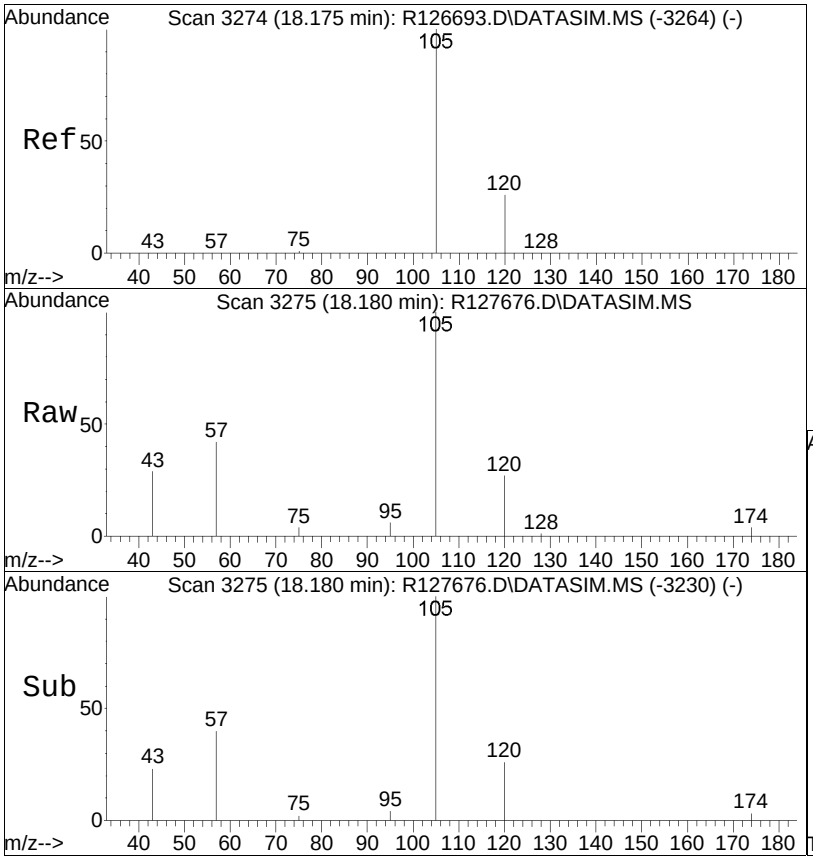


#63
o-xylene
Concen: 0.37 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion: 91 Resp: 21537

Ion	Ratio	Lower	Upper
91	100		
106	47.1	37.1	55.7

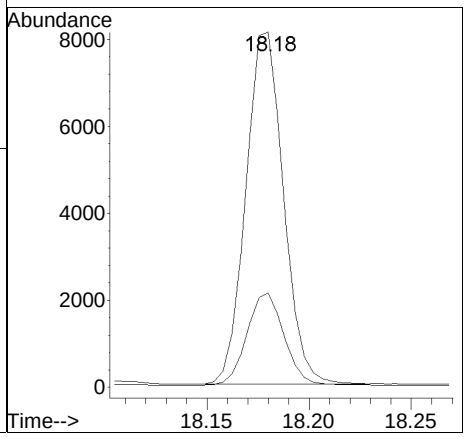


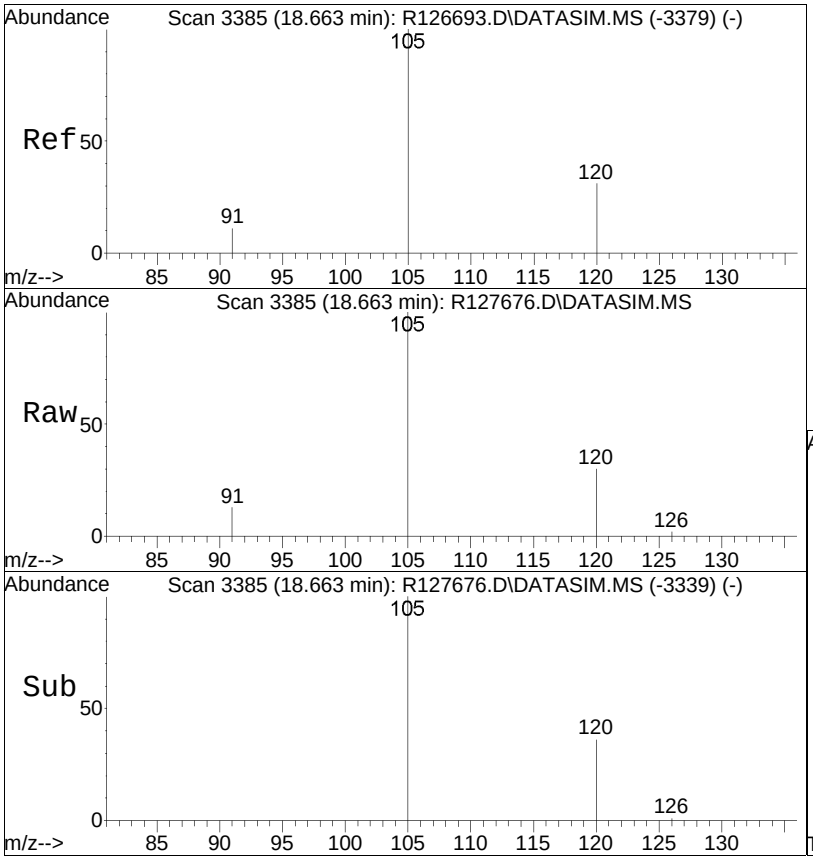


#65
isopropylbenzene
Concen: 0.12 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:105 Resp: 10380

Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.7	31.1

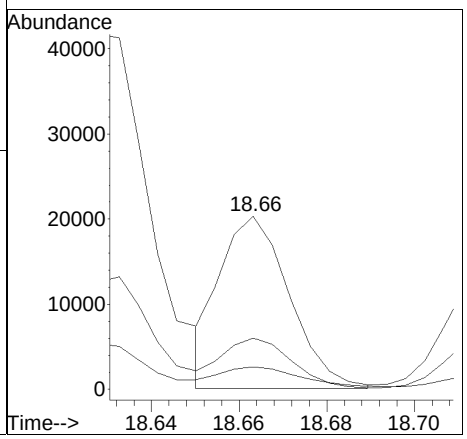


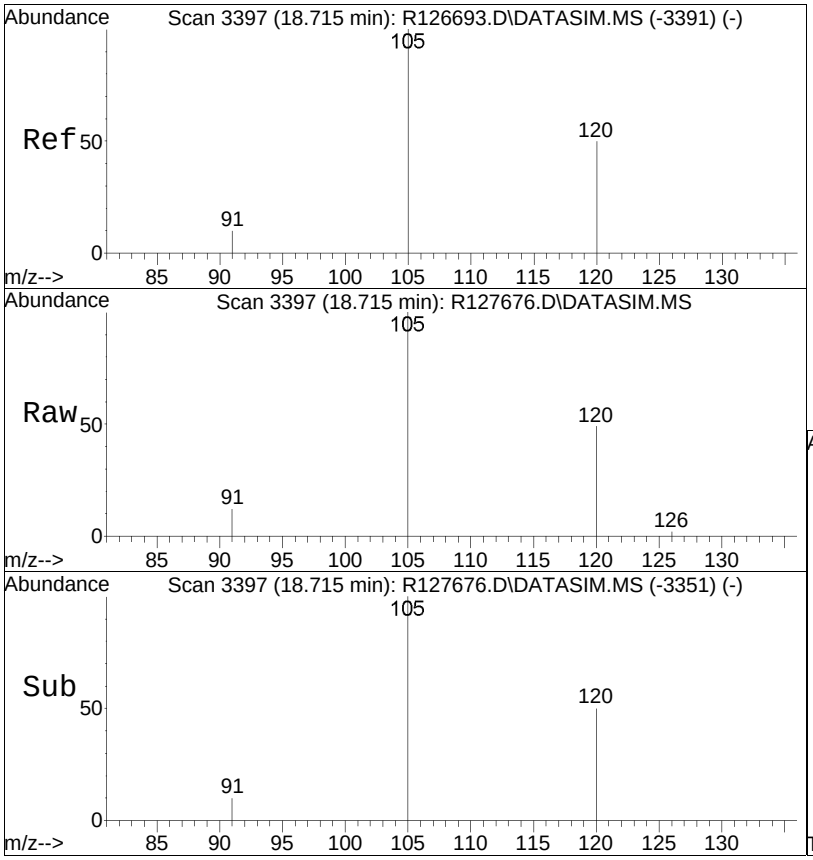


#66
4-ethyl toluene
Concen: 0.27 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:105 Resp: 22347

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.7	35.5
91	13.0	8.5	12.7#

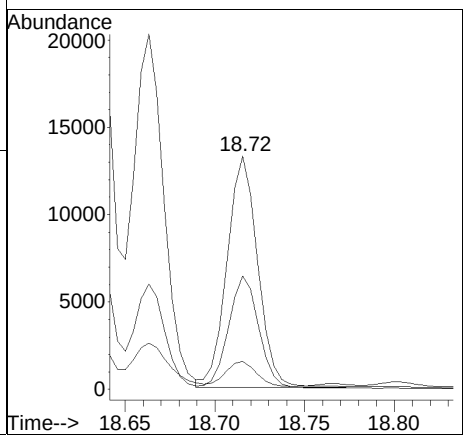


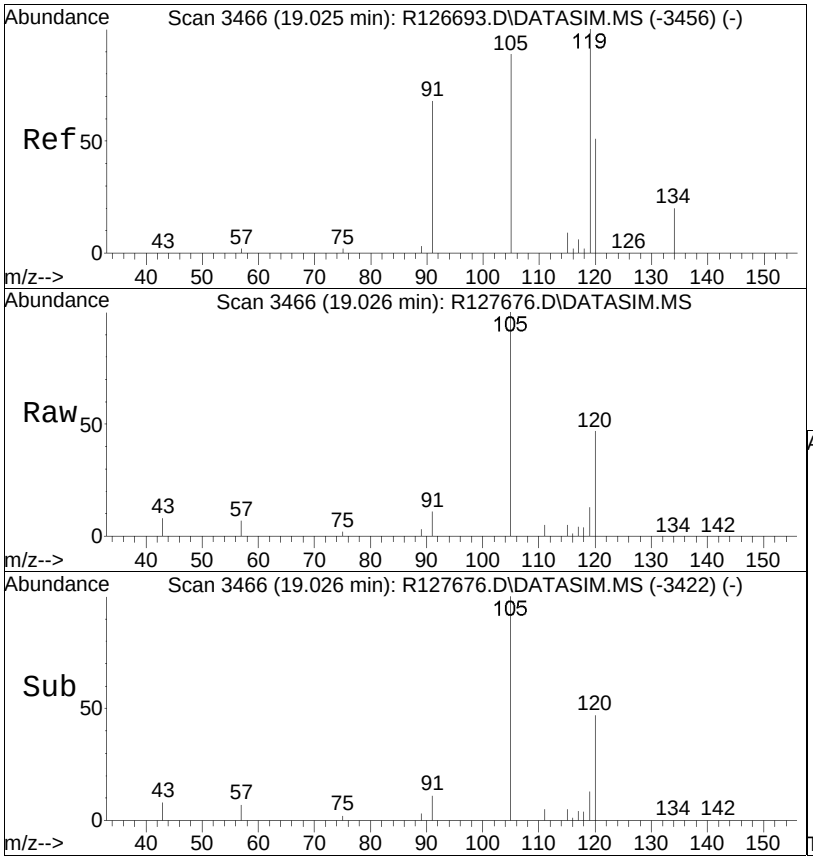


#67
1,3,5-trimethylbenzene
Concen: 0.23 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:105 Resp: 15679

Ion	Ratio	Lower	Upper
105	100		
120	48.7	39.0	58.4
91	12.0	8.0	12.0#

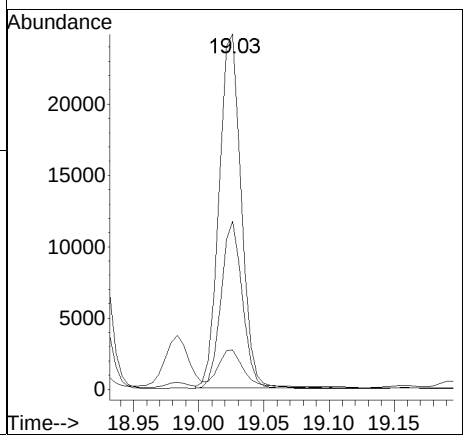


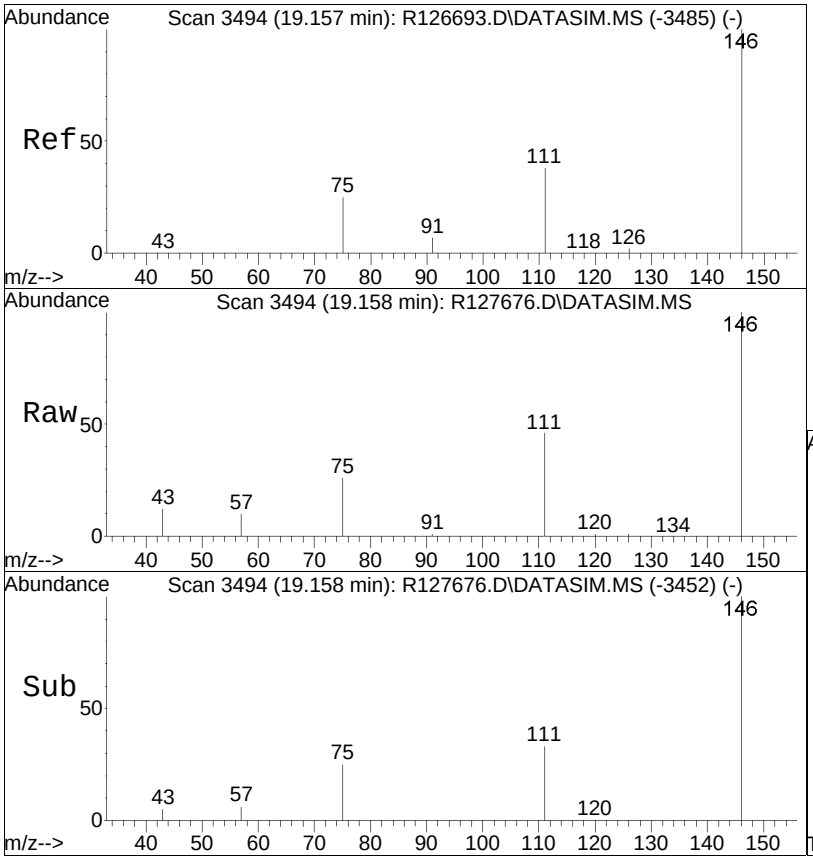


#69
1,2,4-trimethylbenzene
Concen: 0.43 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:105 Resp: 29355

Ion	Ratio	Lower	Upper
105	100		
120	47.4	44.9	67.3
91	11.1	58.6	88.0#

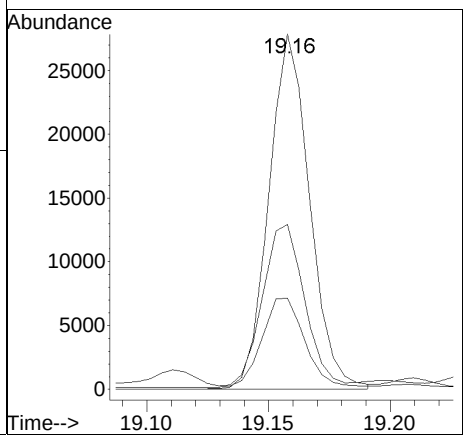


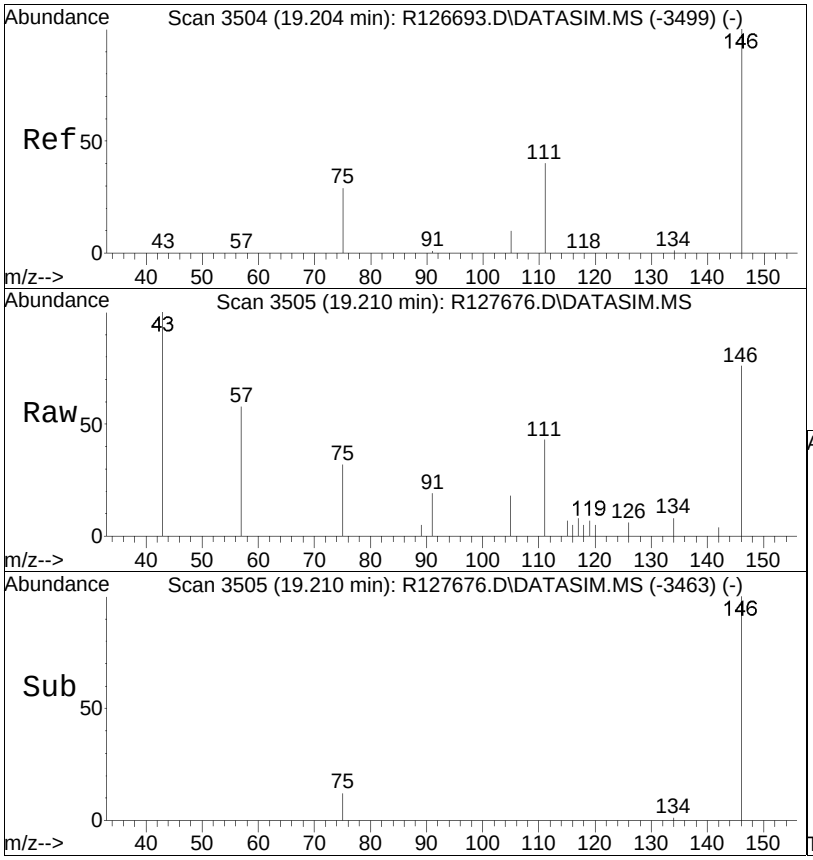


#71
1,3-dichlorobenzene
Concen: 0.62 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:146 Resp: 32350

Ion	Ratio	Lower	Upper
146	100		
111	46.4	29.5	44.3#
75	25.7	19.5	29.3

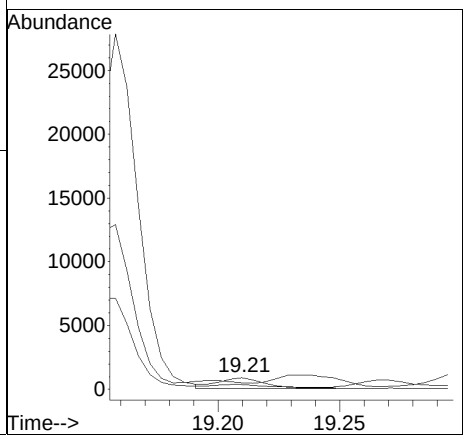


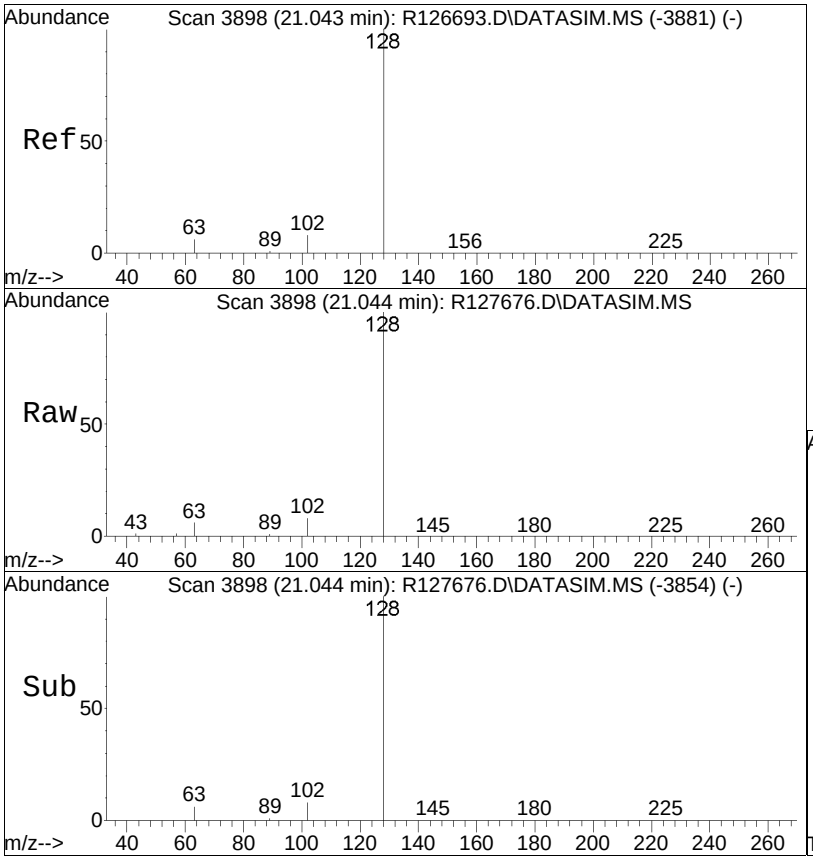


#72
1,4-dichlorobenzene
Concen: 0.02 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:146 Resp: 1118

Ion	Ratio	Lower	Upper
146	100		
111	57.0	26.4	39.6#
75	41.8	18.0	27.0#

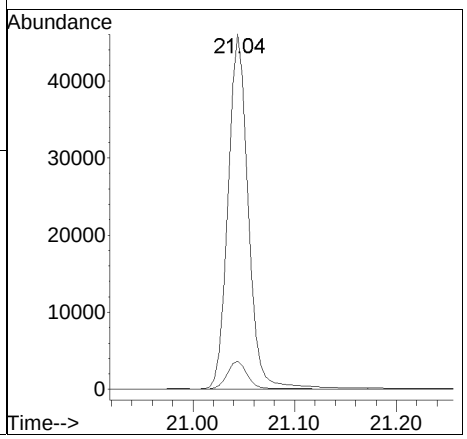




#78
naphthalene
Concen: 0.63 ppbV
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127676.D
Acq: 15 Apr 2013 10:24 pm

Tgt Ion:128 Resp: 63479

Ion	Ratio	Lower	Upper
128	100		
102	7.9	6.2	9.2

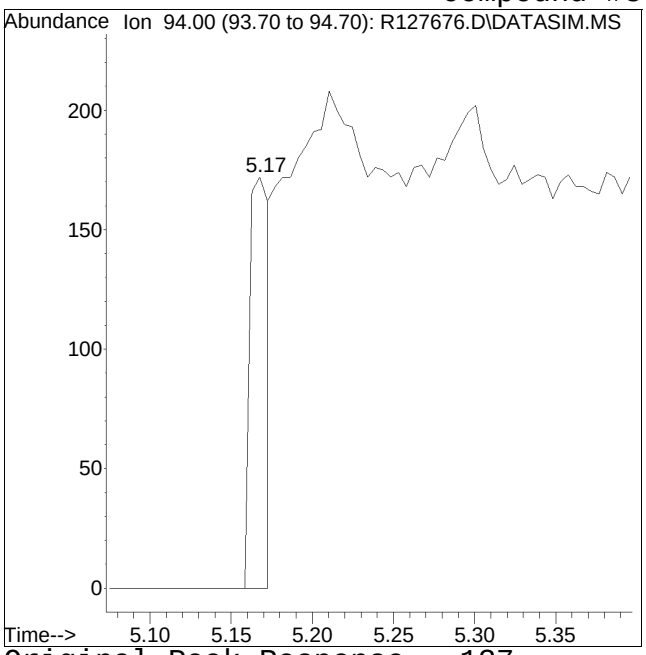


Manual Integration/Negative Proof Report

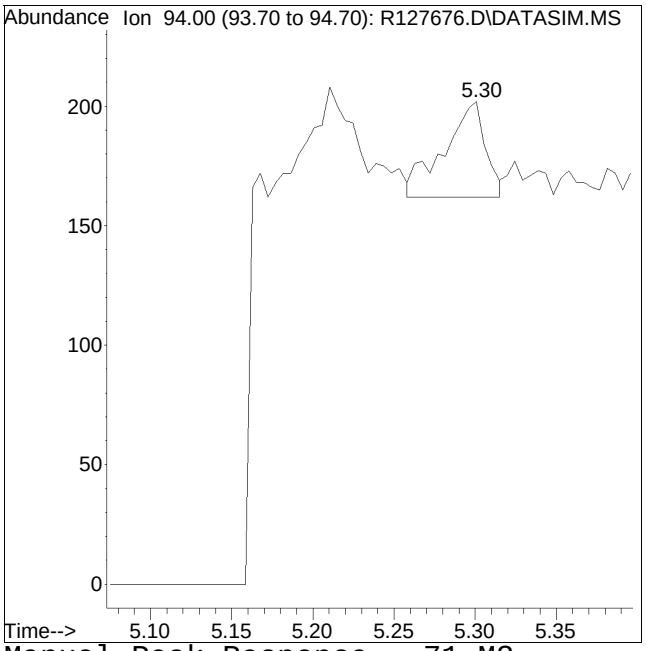
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127676.D
Date Inj'd : 4/15/2013 10:24 pm
Sample : L1306330-21,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #8: bromomethane



Original Peak Response = 137



Manual Peak Response = 71 M3

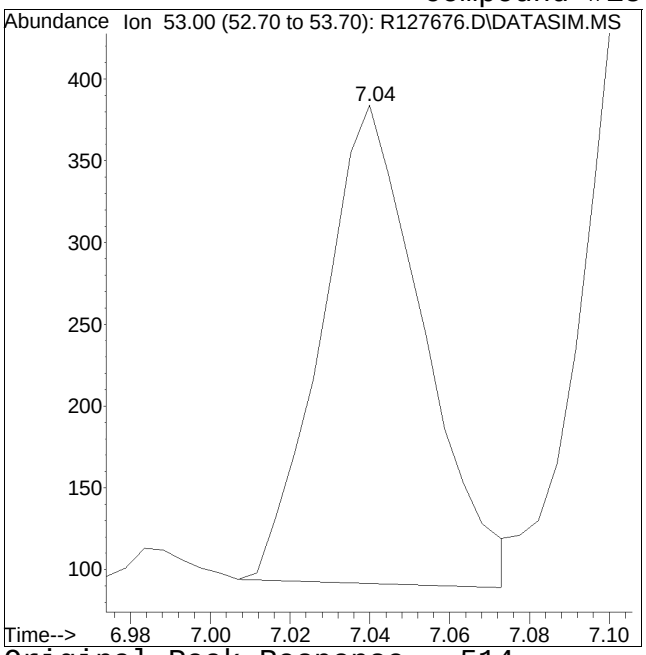
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

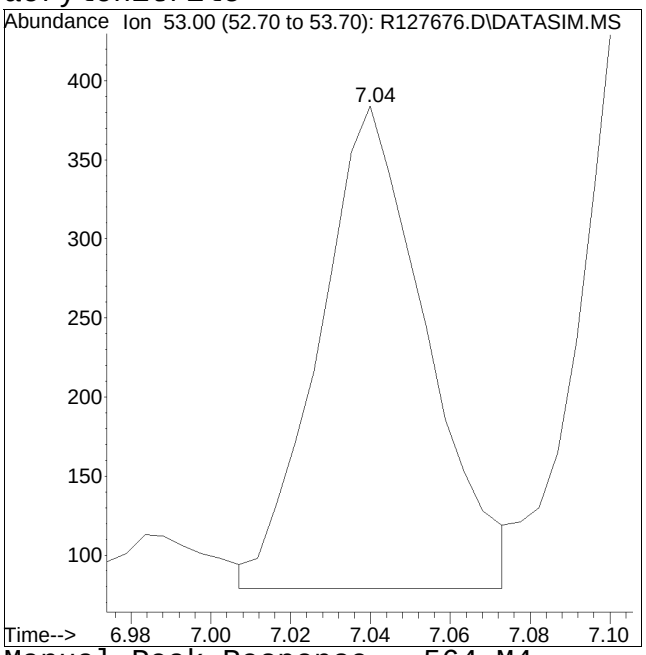
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127676.D
Date Inj'd : 4/15/2013 10:24 pm
Sample : L1306330-21,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #15: acrylonitrile



Original Peak Response = 514



Manual Peak Response = 564 M4

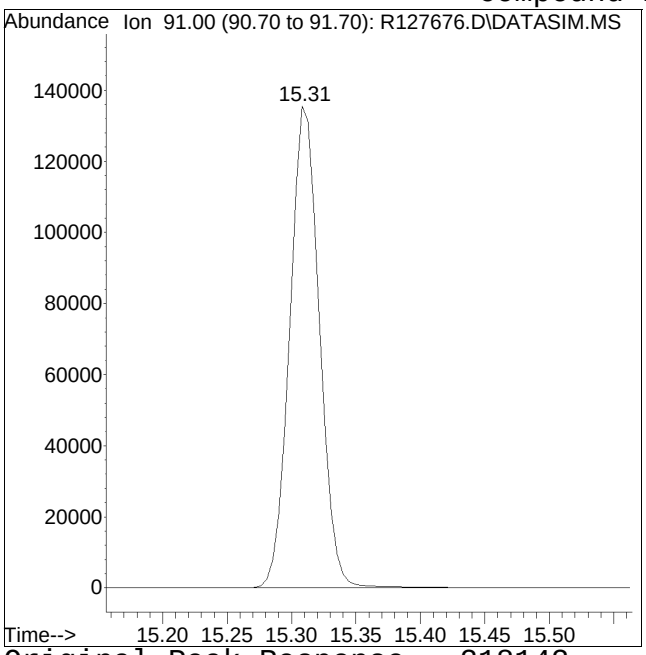
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

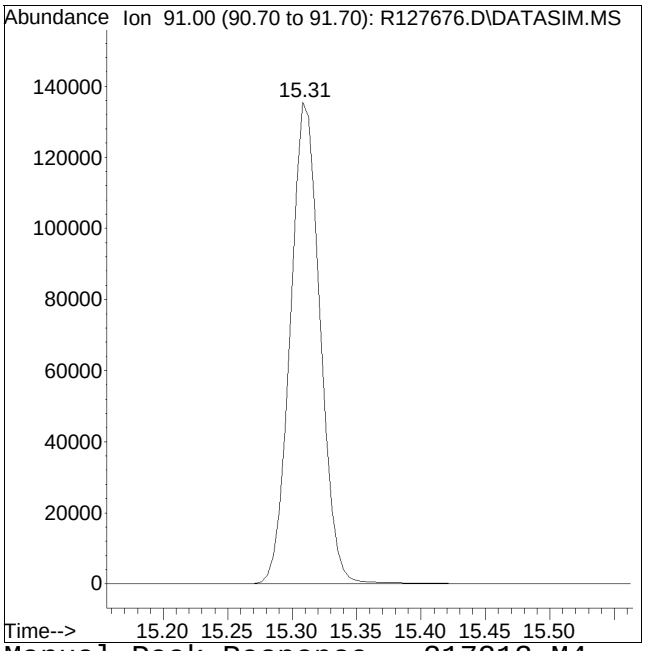
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127676.D
Date Inj'd : 4/15/2013 10:24 pm
Sample : L1306330-21,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #50: toluene



Original Peak Response = 218142



Manual Peak Response = 217213 M4

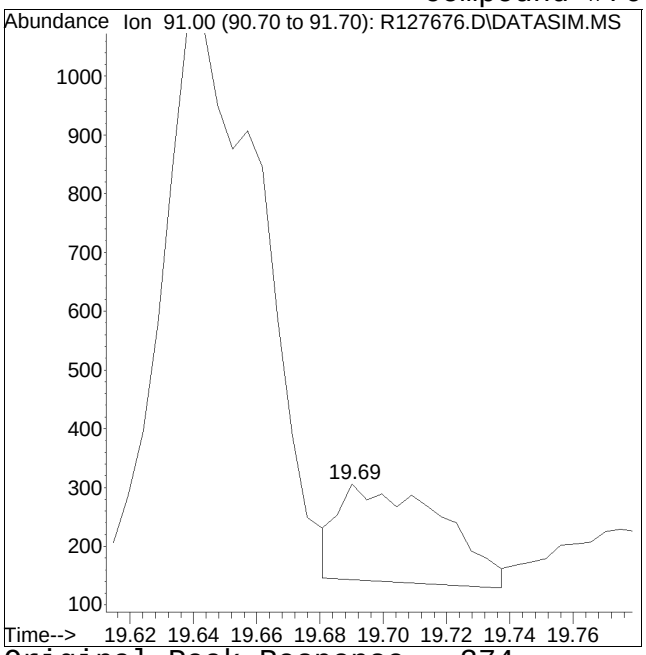
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

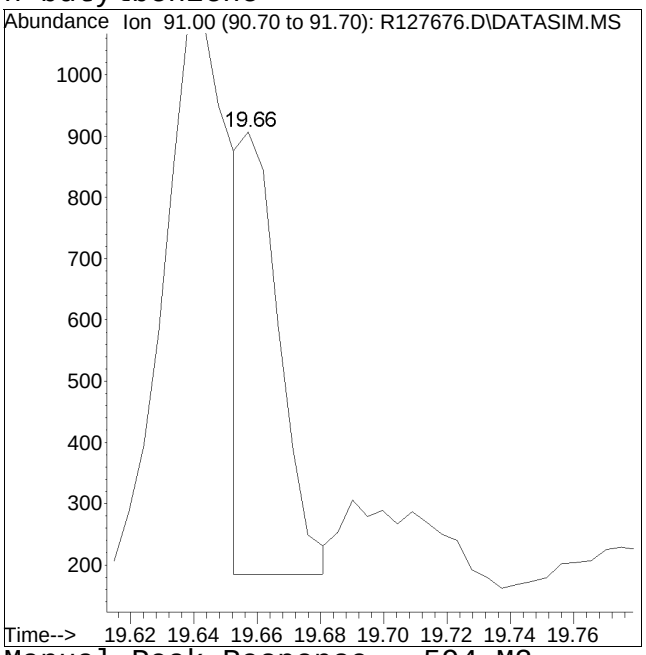
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127676.D
Date Inj'd : 4/15/2013 10:24 pm
Sample : L1306330-21,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #76: n-butylbenzene



Original Peak Response = 374



Manual Peak Response = 594 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127677.D
Acq On : 15 Apr 2013 10:56 pm
Operator : AIRPIANO1:MB
Sample : L1306330-22D,3,50,250
Misc : WG601750,ICAL7910
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 17 10:59:21 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	234165	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 84.37%			
32) 1,4-difluorobenzene	12.49	114	539042	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 94.75%			
49) chlorobenzene-D5	16.90	54	132442	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 95.92%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	3383	0.112	ppbV	96
4) chloromethane	4.40	50	1470	0.092	ppbV	90
5) Freon-114	4.55	85	236	0.007	ppbV #	84
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	82M4	0.008	ppbV	
8) bromomethane	5.30		0	N.D.		
9) chloroethane	5.55	64	72	0.012	ppbV #	1
12) acetone	6.42	43	50420	1.990	ppbV #	98
13) trichlorofluoromethane	6.62	101	1769	0.049	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	7.40		0	N.D.		
17) methylene chloride	7.64	49	11025	0.521	ppbV	99
20) Freon 113	7.99	101	998	0.039	ppbV	96
22) trans-1,2-dichloroethene	8.82		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.19	73	150M3	0.005	ppbV	
26) 2-butanone	9.58	43	11035	0.278	ppbV	97
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	1481	0.054	ppbV #	89
31) 1,2-dichloroethane	11.15		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	73565	2.549	ppbV	97
36) benzene	12.08	78	2058	0.048	ppbV	94
37) carbon tetrachloride	12.25	117	553731	17.498	ppbV	100
39) 1,2-dichloropropane	12.99		0	N.D.		
40) bromodichloromethane	13.24		0	N.D.		
42) trichloroethene	13.28	130	220	0.011	ppbV #	91
45) cis-1,3-dichloropropene	14.28		0	N.D.		
46) 4-methyl-2-pentanone	14.32		0	N.D.		
47) trans-1,3-dichloropropene	14.83		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127677.D
Acq On : 15 Apr 2013 10:56 pm
Operator : AIRPIANO1:MB
Sample : L1306330-22D,3,50,250
Misc : WG601750,ICAL7910
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 17 10:59:21 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

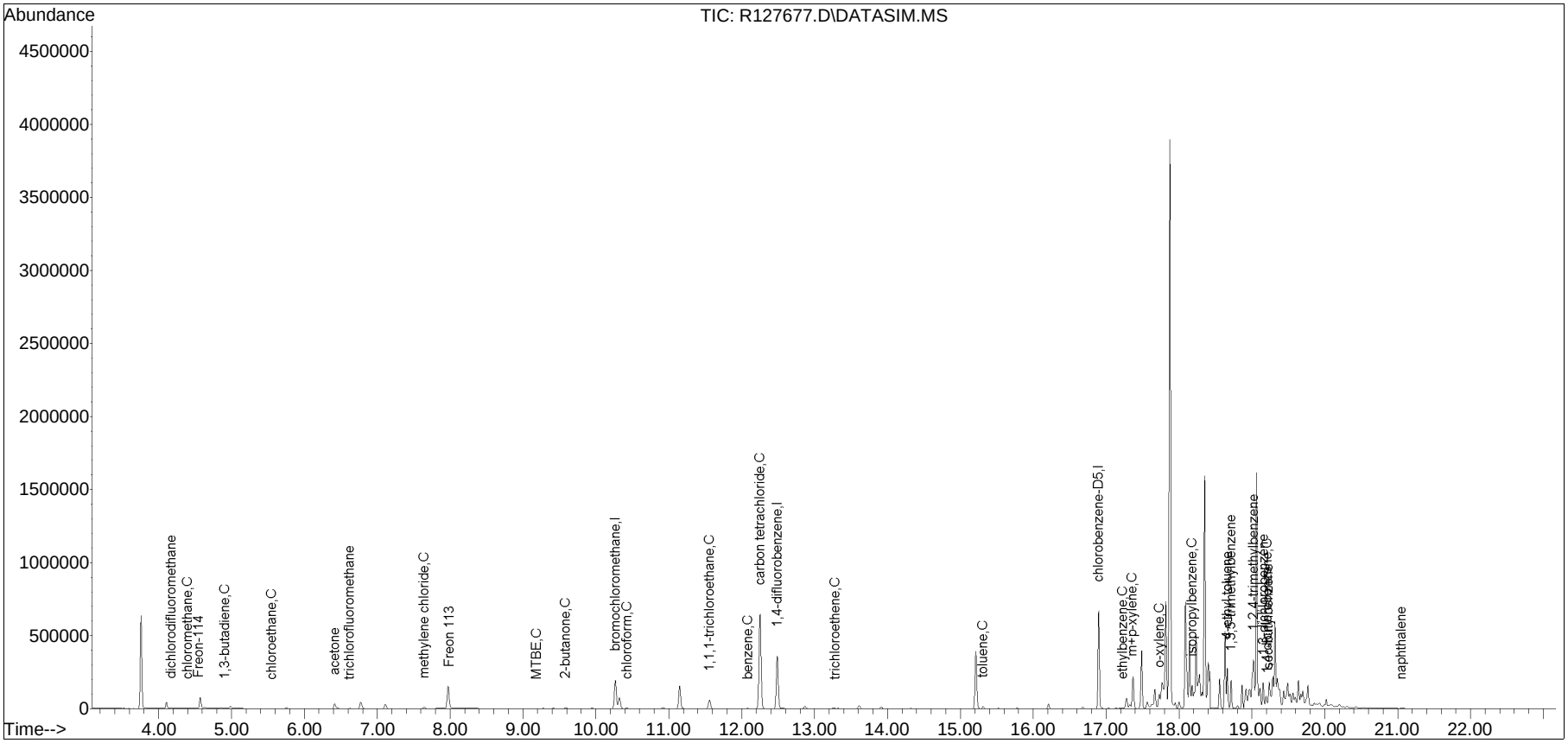
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	13364M4	0.249	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.89		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	2702M4	0.039	ppbV		
59) m+p-xylene	17.36	91	9518M6	0.178	ppbV		
60) bromoform	17.45		0	N.D.			
61) styrene	17.66		0	N.D.			
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	29489M6	0.529	ppbV		
65) isopropylbenzene	18.18	105	70670	0.864	ppbV		100
66) 4-ethyl toluene	18.66	105	202407	2.499	ppbV		99
67) 1,3,5-trimethylbenzene	18.72	105	137671	2.071	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.02	105	139483	2.096	ppbV	#	51
71) 1,3-dichlorobenzene	19.16	146	2267	0.045	ppbV	#	1
72) 1,4-dichlorobenzene	19.21	146	465	0.009	ppbV	#	1
73) sec-butylbenzene	19.22	105	5457M6	0.053	ppbV		
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.65		0	N.D.			
77) 1,2,4-trichlorobenzene	20.92		0	N.D.			
78) naphthalene	21.05	128	1722	0.018	ppbV	#	85
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

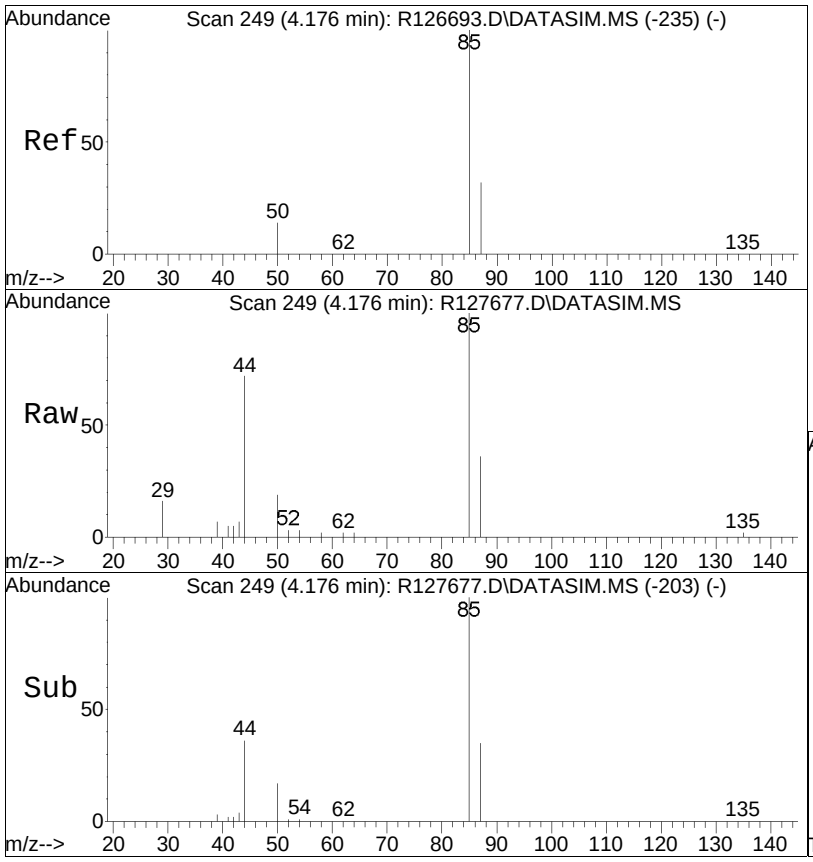
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127677.D
Acq On : 15 Apr 2013 10:56 pm
Operator : AIRPIANO1:MB
Sample : L1306330-22D,3,50,250
Misc : WG601750,ICAL7910
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 17 10:59:21 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

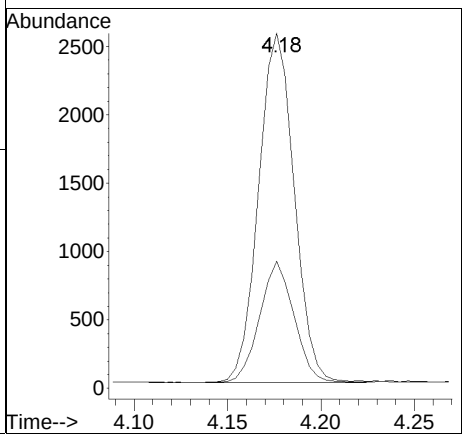


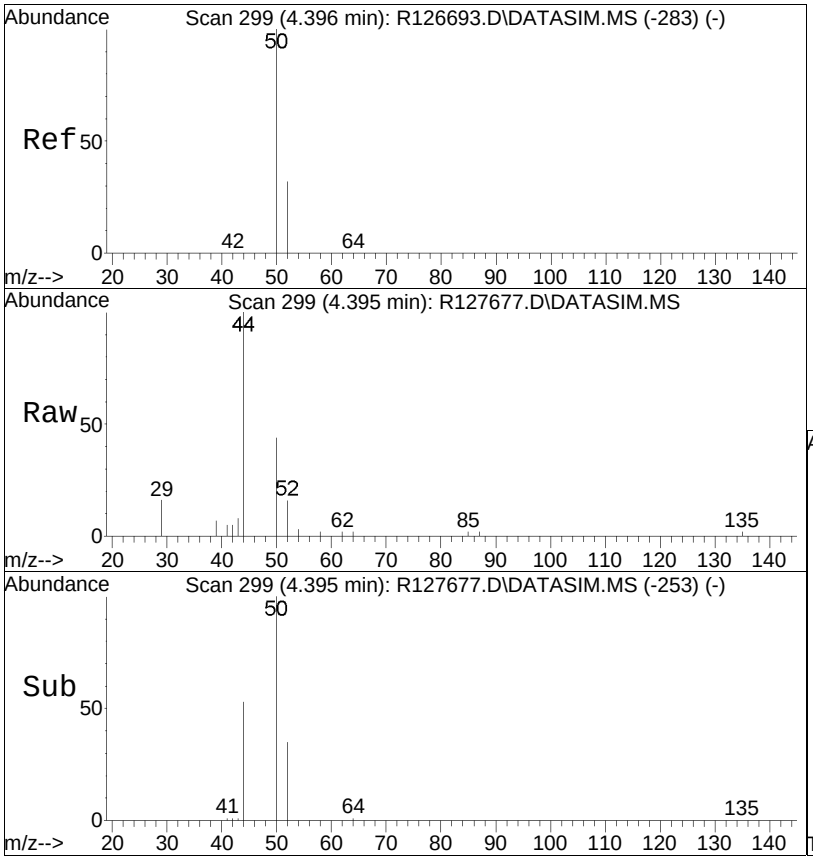


#3
dichlorodifluoromethane
Concen: 0.11 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 85 Resp: 3383

Ion	Ratio	Lower	Upper
85	100		
87	35.8	26.6	40.0

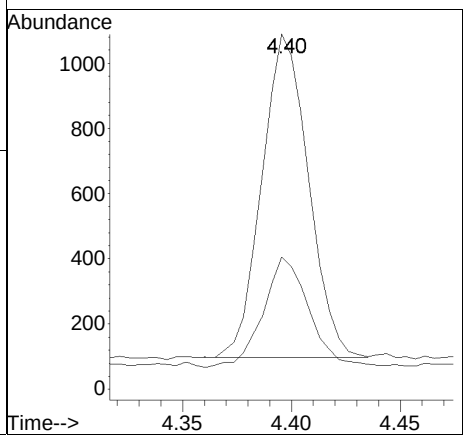


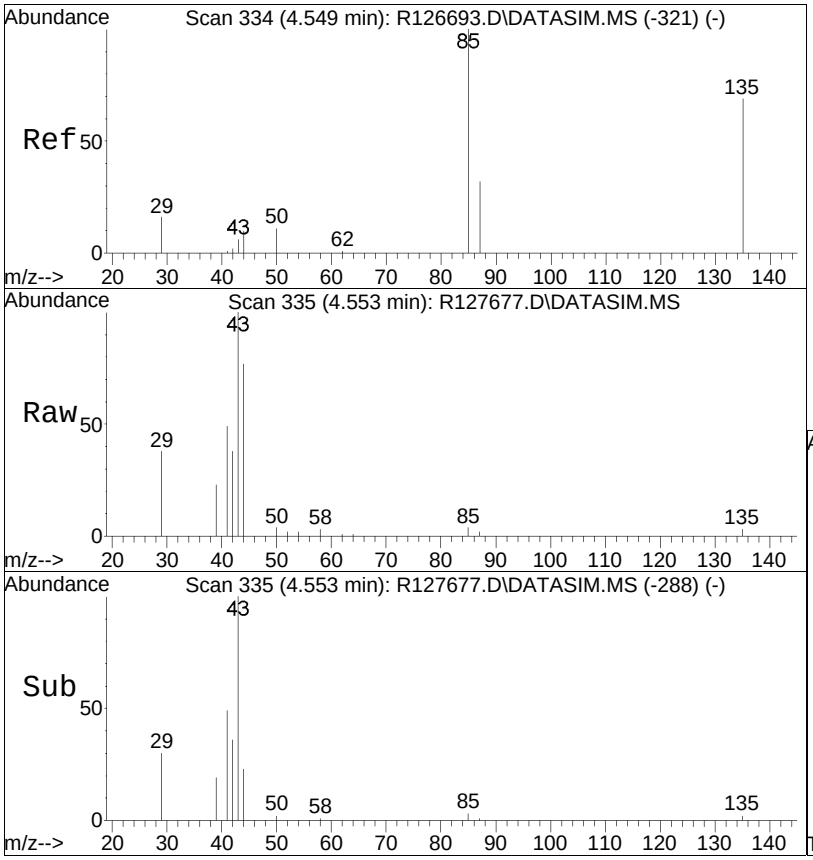


#4
chloromethane
Concen: 0.09 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 50 Resp: 1470

Ion	Ratio	Lower	Upper
50	100		
52	37.3	25.3	37.9

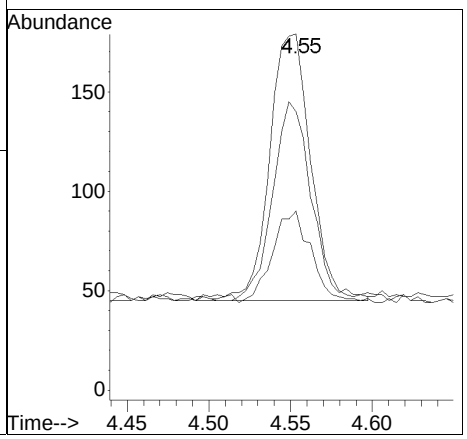


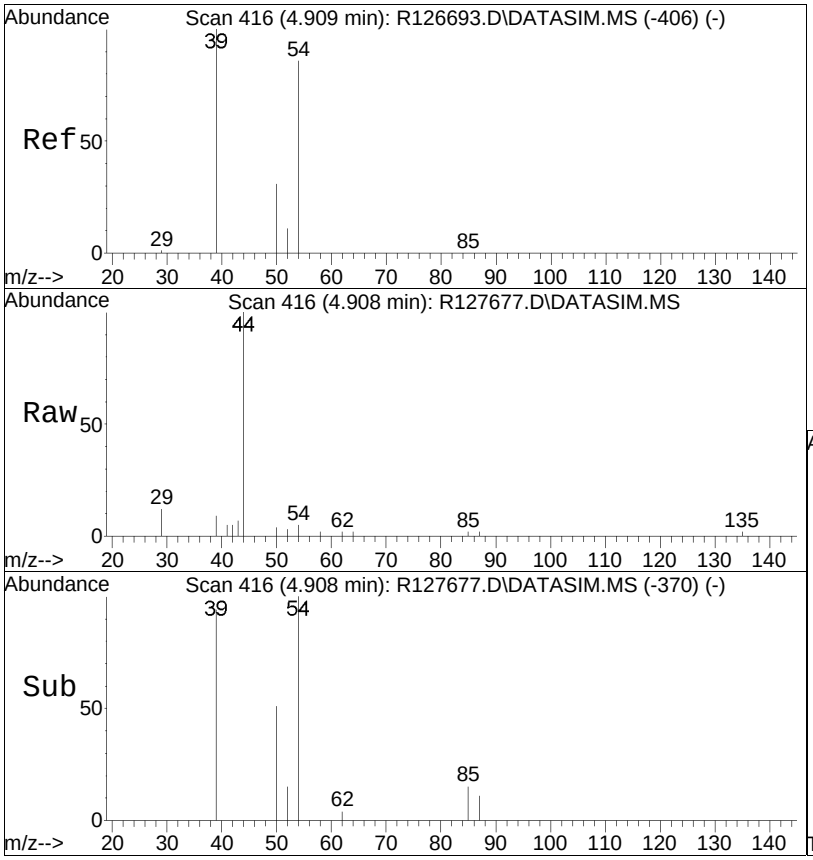


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 335
Delta R.T. 0.004 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 85 Resp: 236

Ion	Ratio	Lower	Upper
85	100		
87	50.3	26.5	39.7#
135	78.2	56.9	85.3

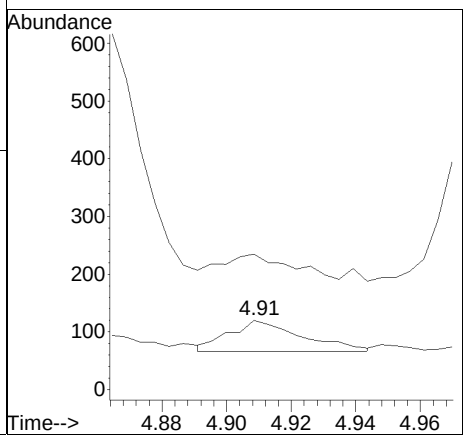


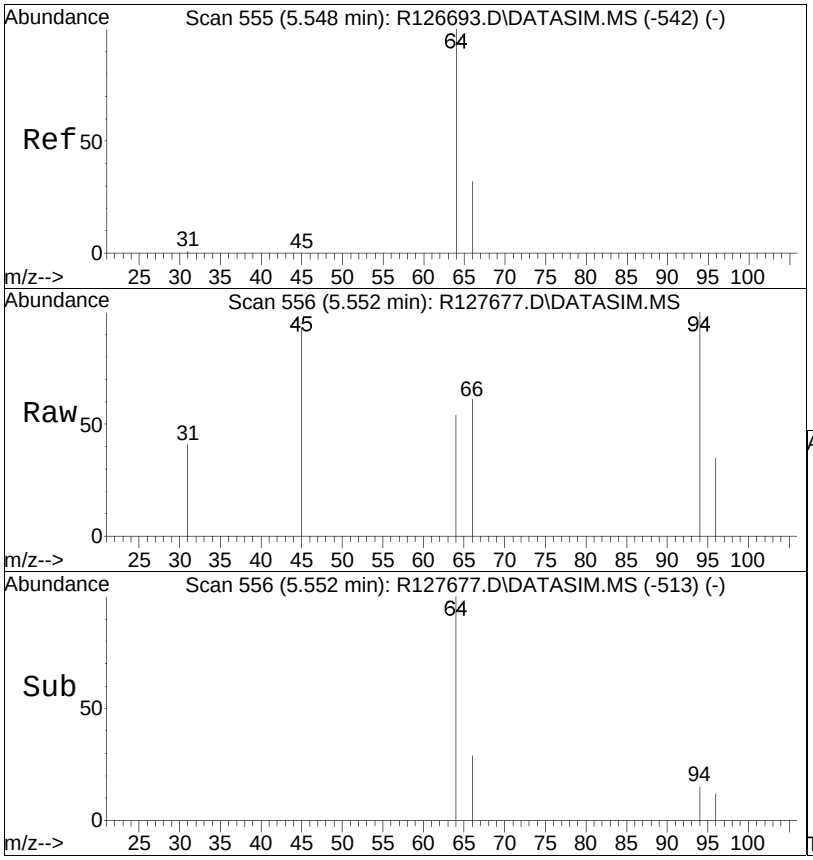


#7
1,3-butadiene
Concen: 0.01 ppbV m
RT: 4.91 min Scan# 416
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 54 Resp: 82

Ion	Ratio	Lower	Upper
54	100		
39	195.8	92.4	138.6#

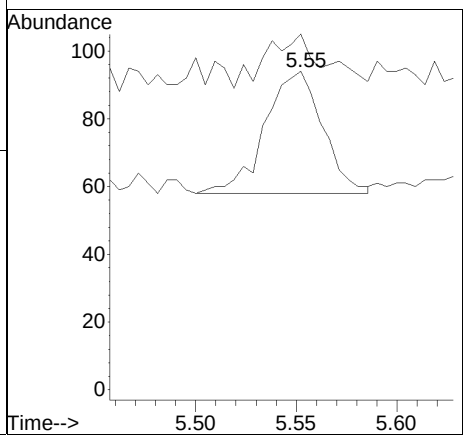


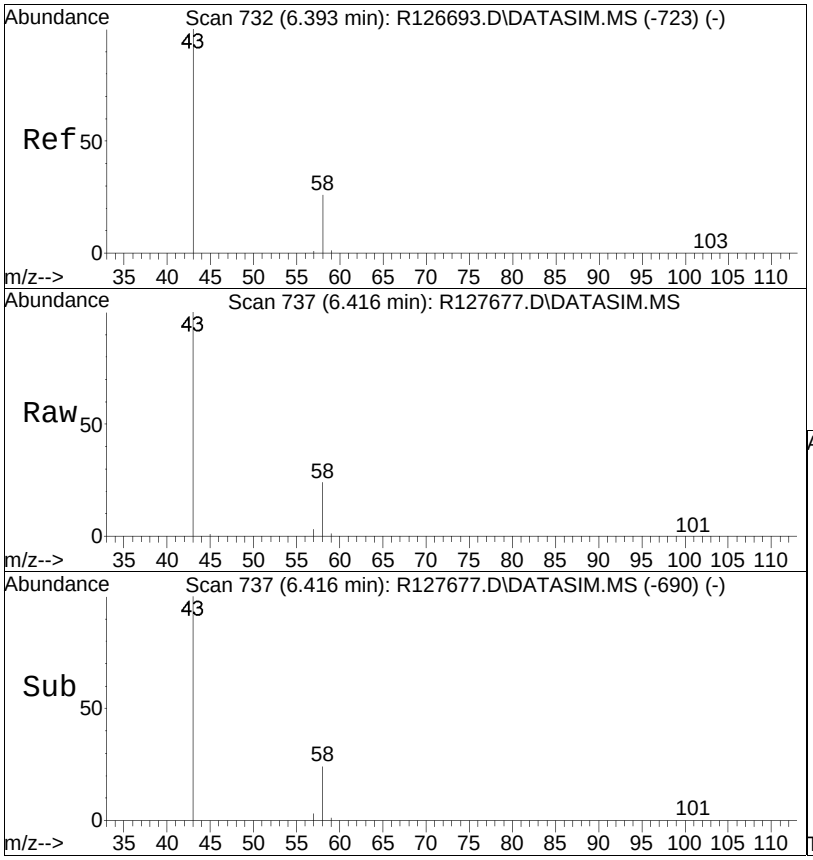


#9
chloroethane
Concen: 0.01 ppbV
RT: 5.55 min Scan# 556
Delta R.T. 0.005 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 64 Resp: 72

Ion	Ratio	Lower	Upper
64	100		
66	111.7	25.5	38.3#

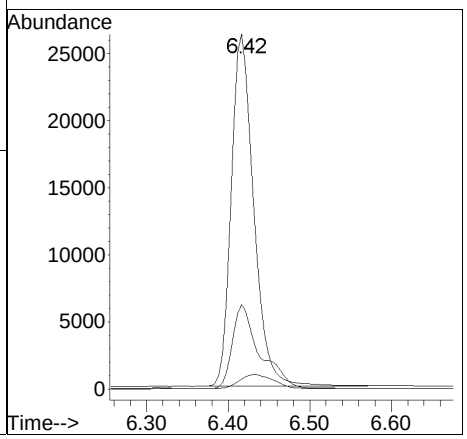


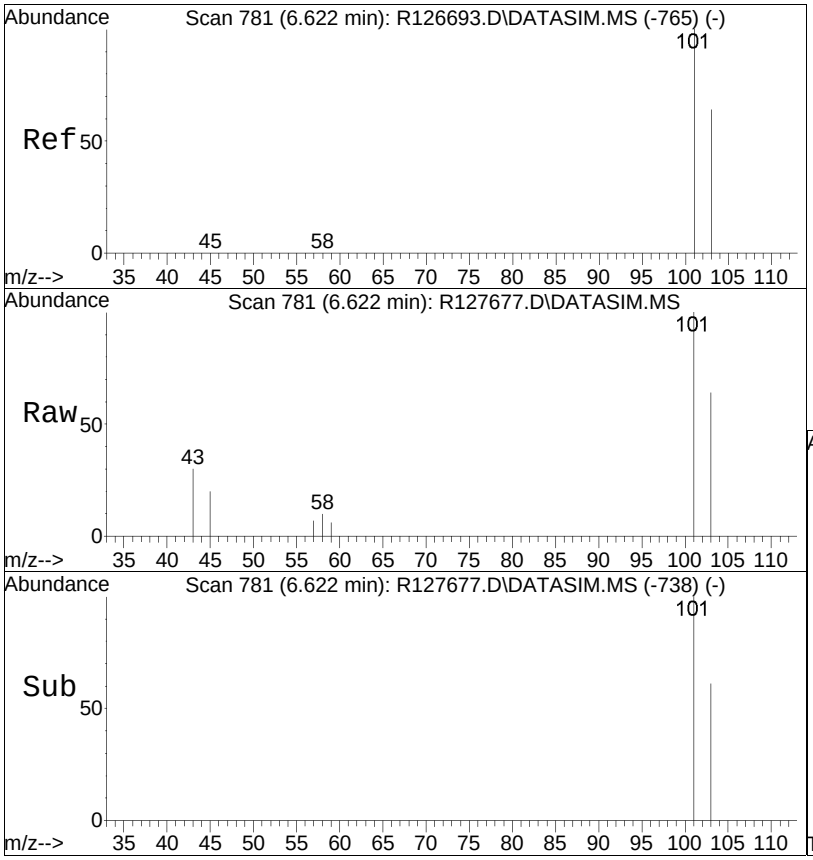


#12
acetone
Concen: 1.99 ppbV
RT: 6.42 min Scan# 737
Delta R.T. 0.023 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 43 Resp: 50420

Ion	Ratio	Lower	Upper
43	100		
58	23.9	20.0	30.0
57	2.9	0.6	1.0#

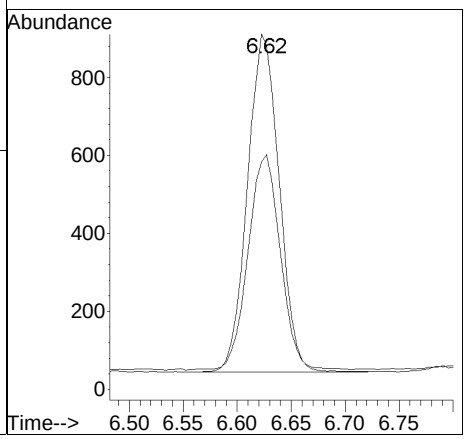


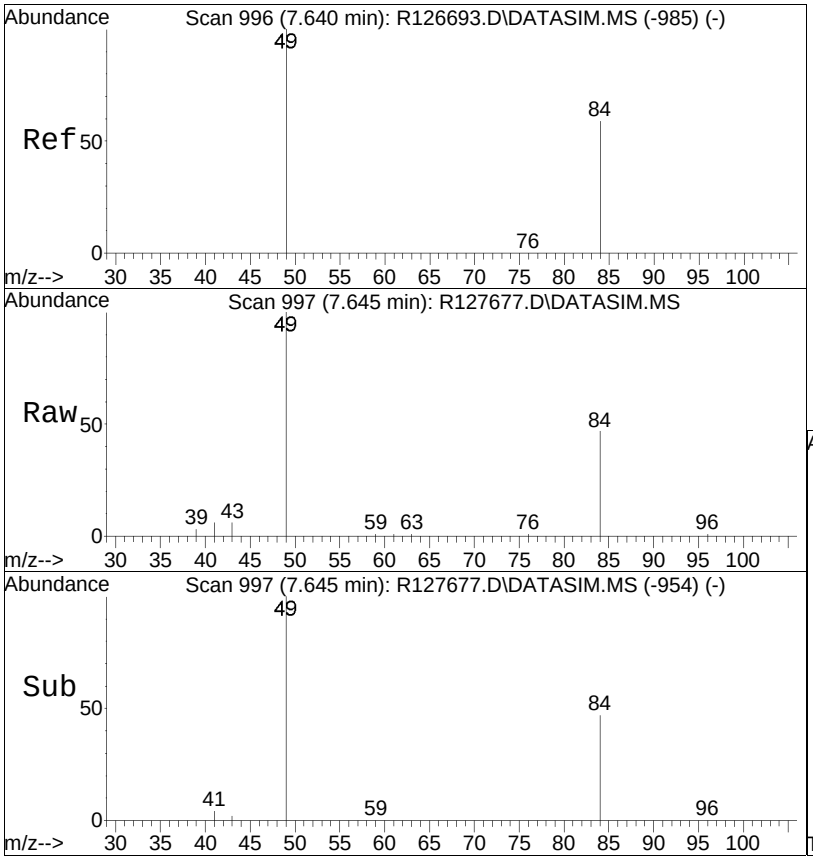


#13
trichlorofluoromethane
Concen: 0.05 ppbV
RT: 6.62 min Scan# 781
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:101 Resp: 1769

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

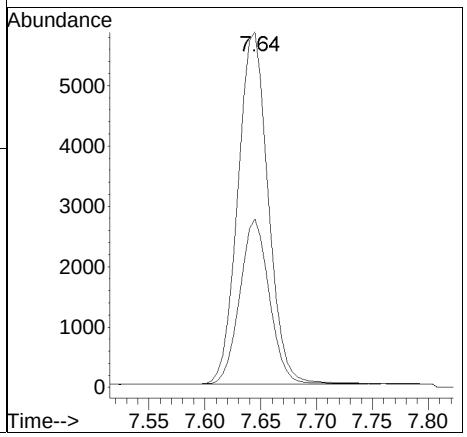


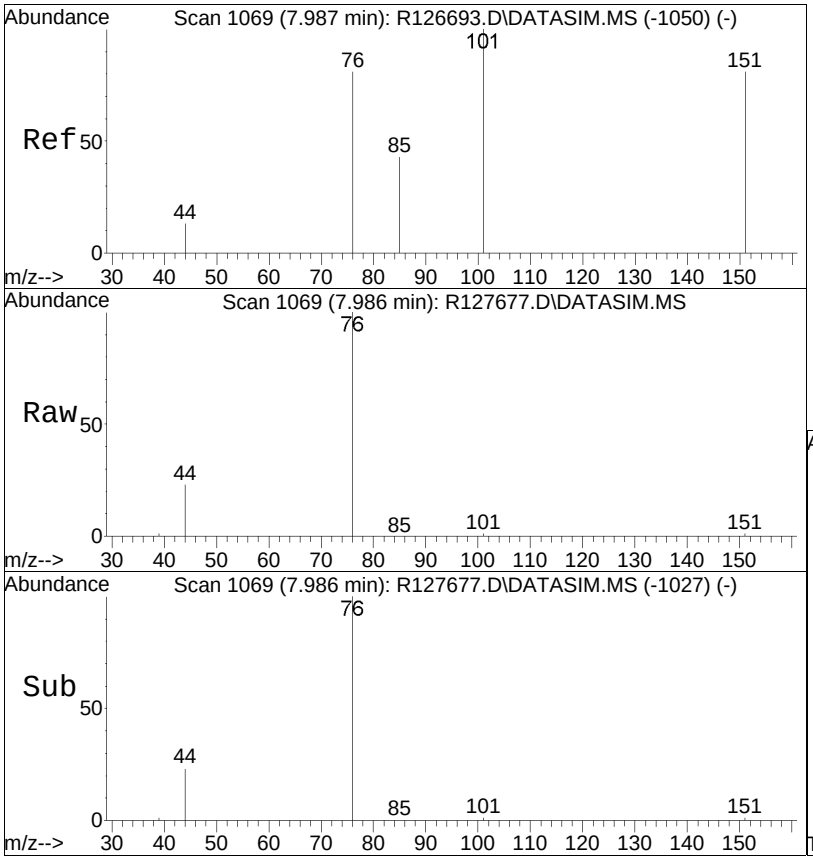


#17
methylene chloride
Concen: 0.52 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 49 Resp: 11025

Ion	Ratio	Lower	Upper
49	100		
84	47.4	37.2	55.8

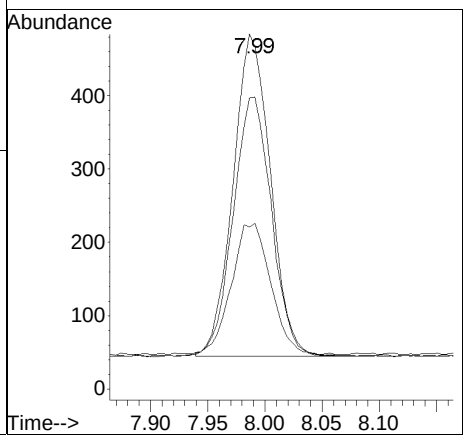


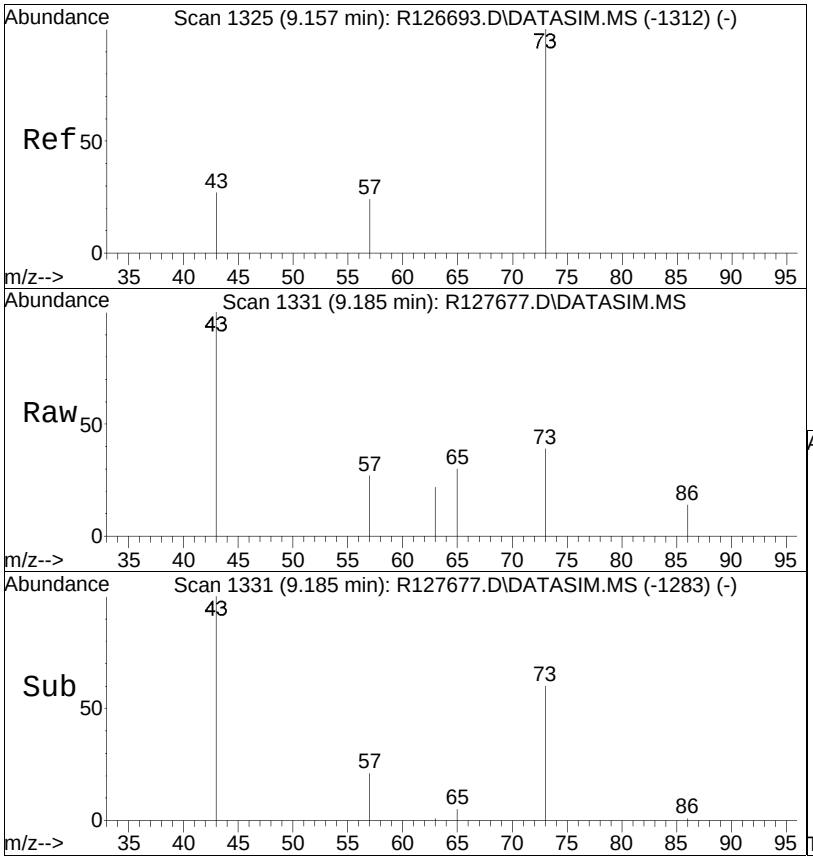


#20
Freon 113
Concen: 0.04 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:101 Resp: 998

Ion	Ratio	Lower	Upper
101	100		
85	45.7	34.2	51.2
151	82.0	67.8	101.8

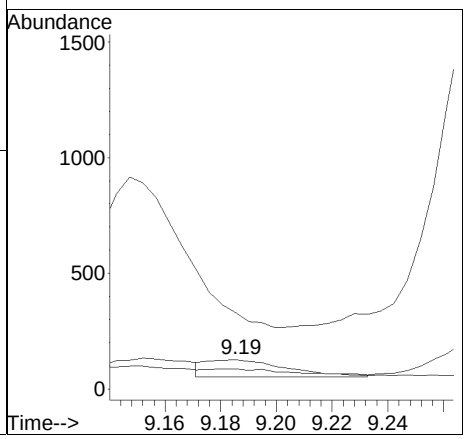


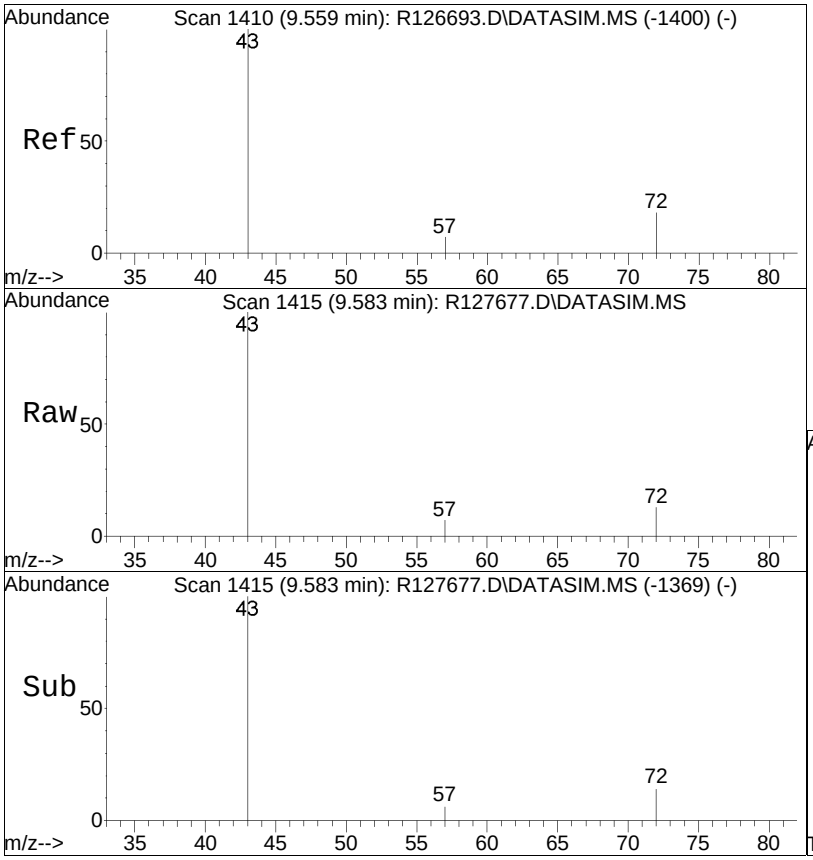


#24
MTBE
Concen: 0.00 ppbV m
RT: 9.19 min Scan# 1331
Delta R.T. 0.028 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 73 Resp: 150

Ion	Ratio	Lower	Upper
73	100		
57	69.5	23.3	34.9#
43	259.4	25.1	37.7#

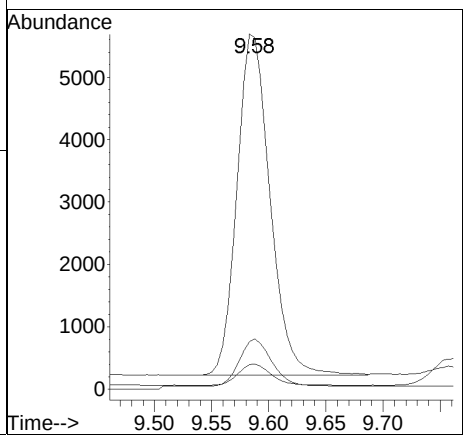


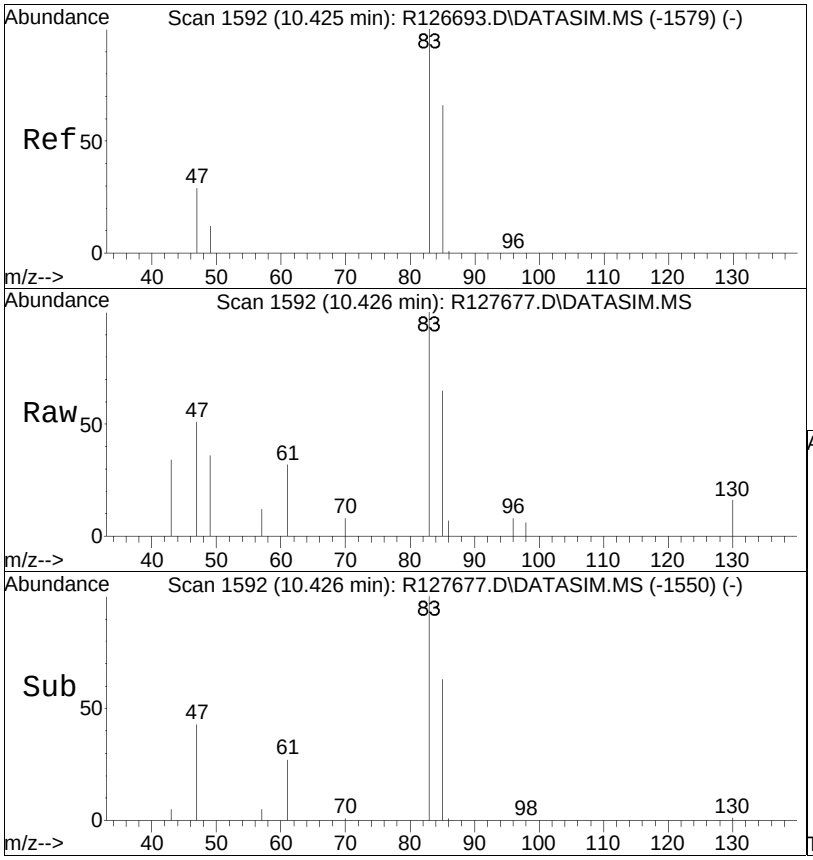


#26
2-butanone
Concen: 0.28 ppbV
RT: 9.58 min Scan# 1415
Delta R.T. 0.019 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 43 Resp: 11035

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	7.0	5.2	7.8

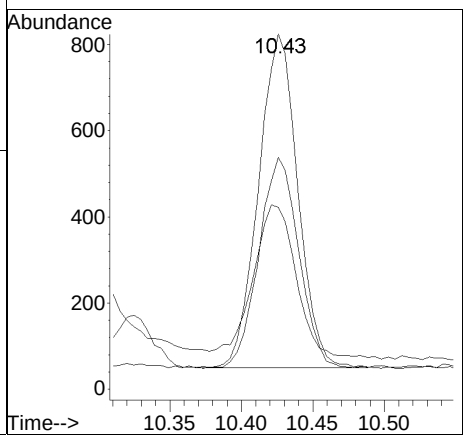


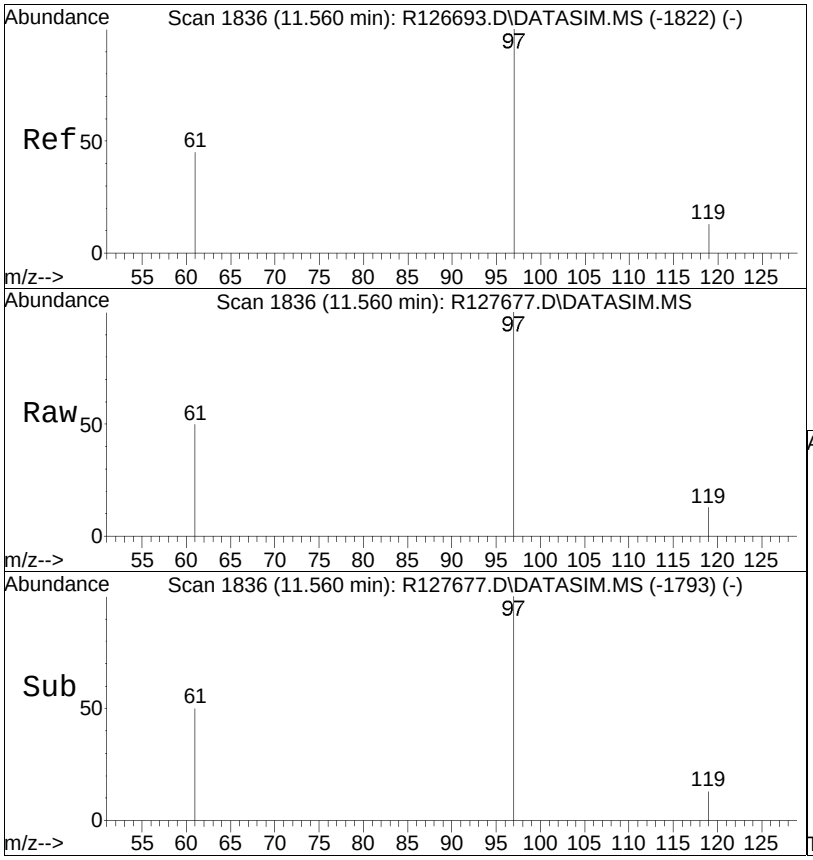


#29
chloroform
Concen: 0.05 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 83 Resp: 1481

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2
47	51.2	26.4	39.6#

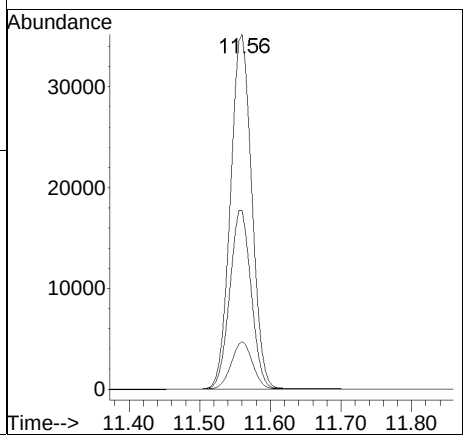


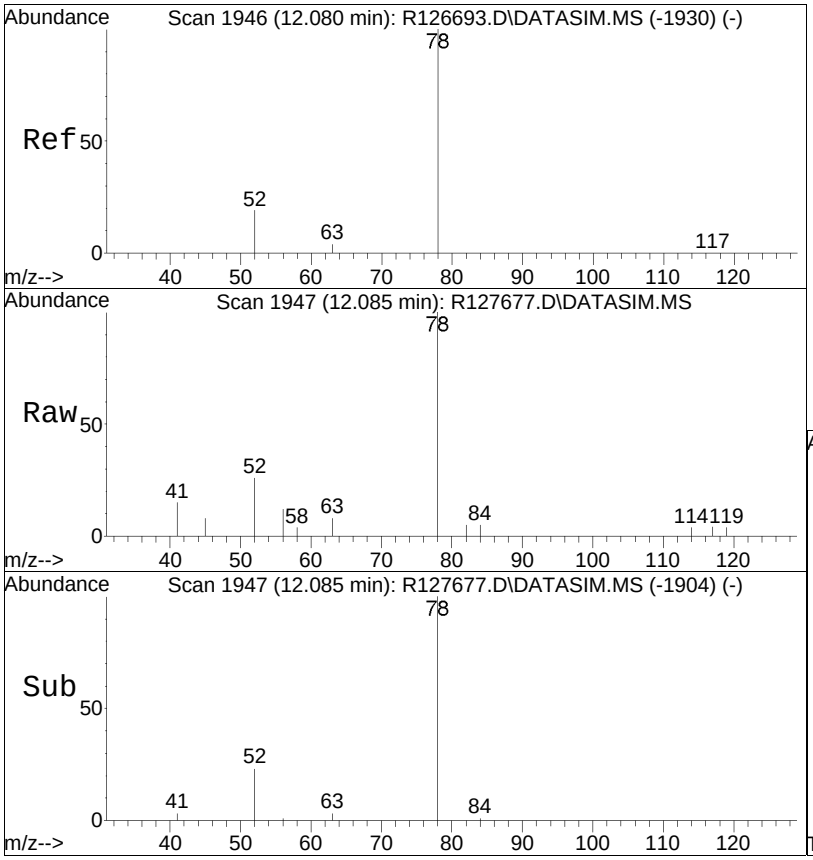


#35
1,1,1-trichloroethane
Concen: 2.55 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 97 Resp: 73565

Ion	Ratio	Lower	Upper
97	100		
61	50.4	38.6	58.0
119	13.4	11.0	16.6

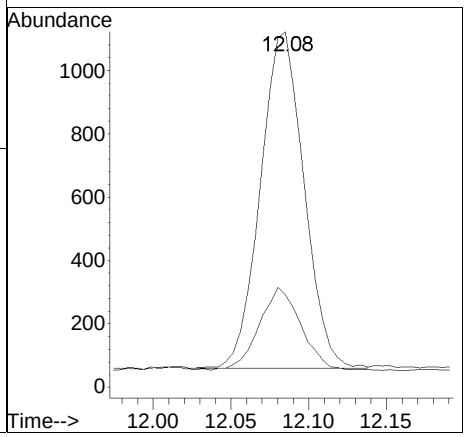


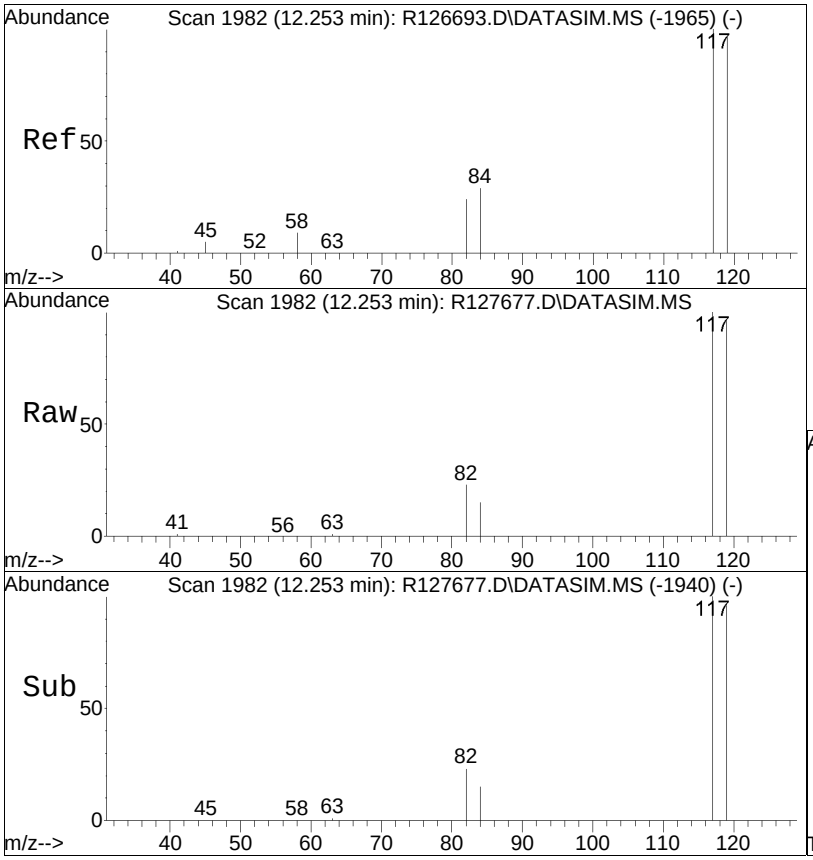


#36
benzene
Concen: 0.05 ppbV
RT: 12.08 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 78 Resp: 2058

Ion	Ratio	Lower	Upper
78	100		
52	26.0	18.5	27.7

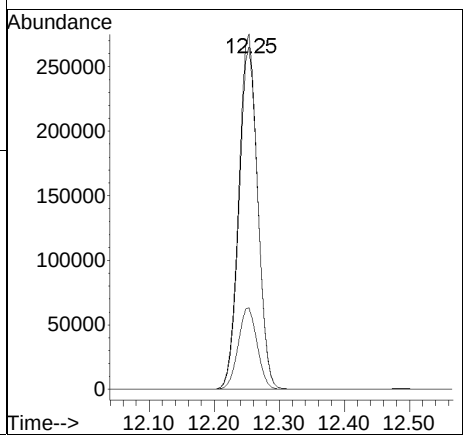


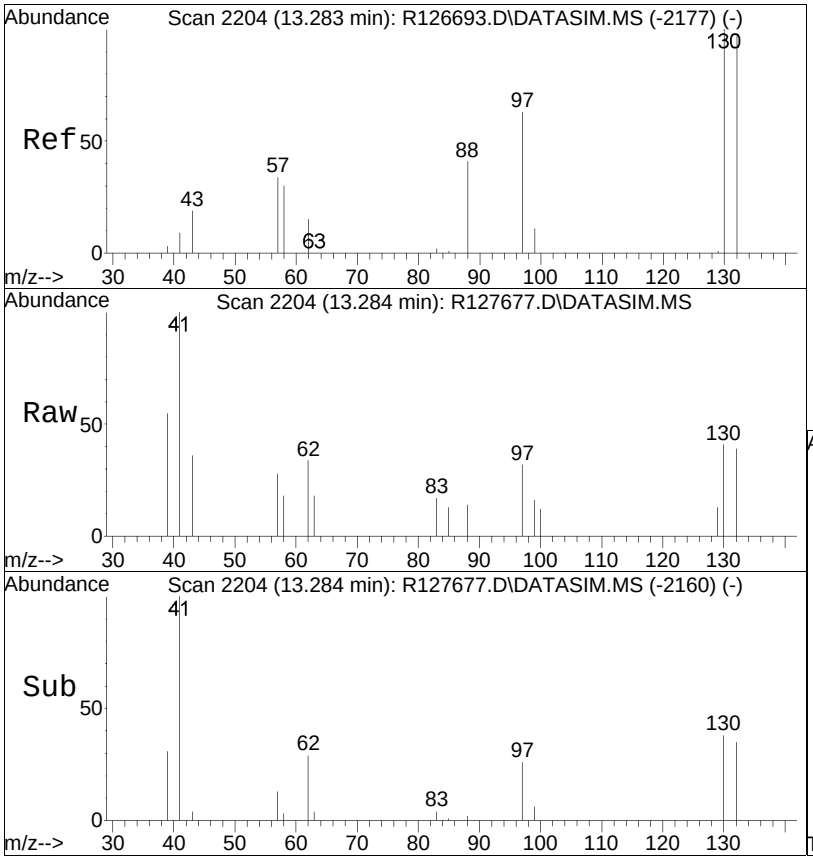


#37
carbon tetrachloride
Concen: 17.50 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:117 Resp: 553731

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.4	116.0
82	22.9	18.2	27.2

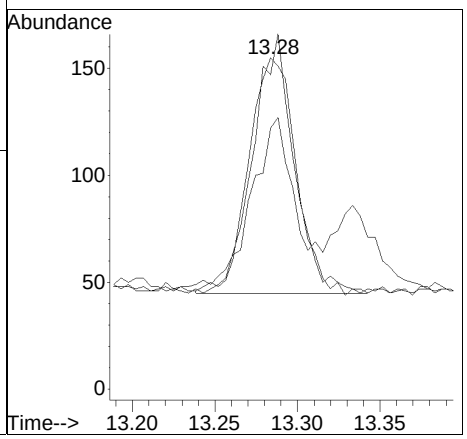


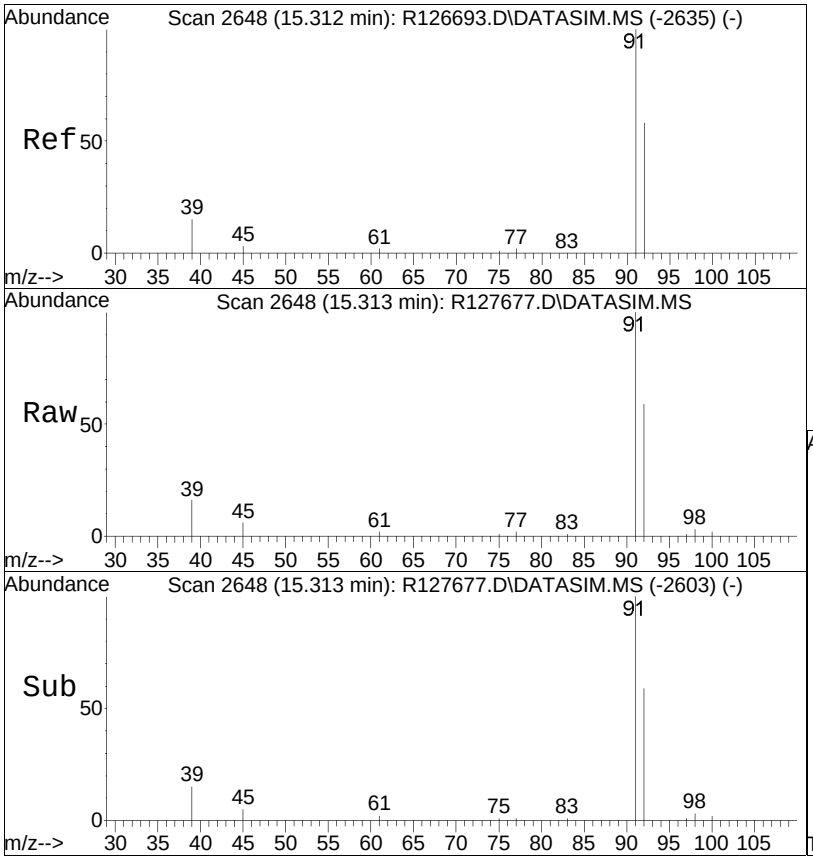


#42
trichloroethene
Concen: 0.01 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:130 Resp: 220

Ion	Ratio	Lower	Upper
130	100		
132	94.8	77.3	115.9
97	78.7	50.6	75.8#

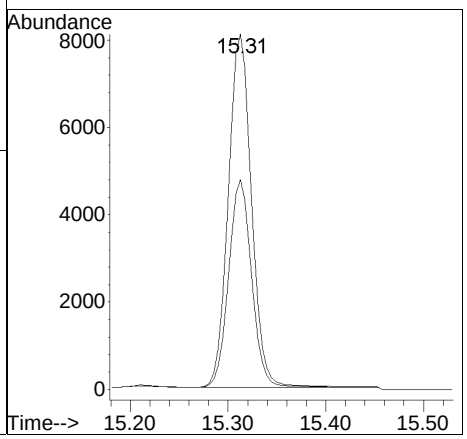


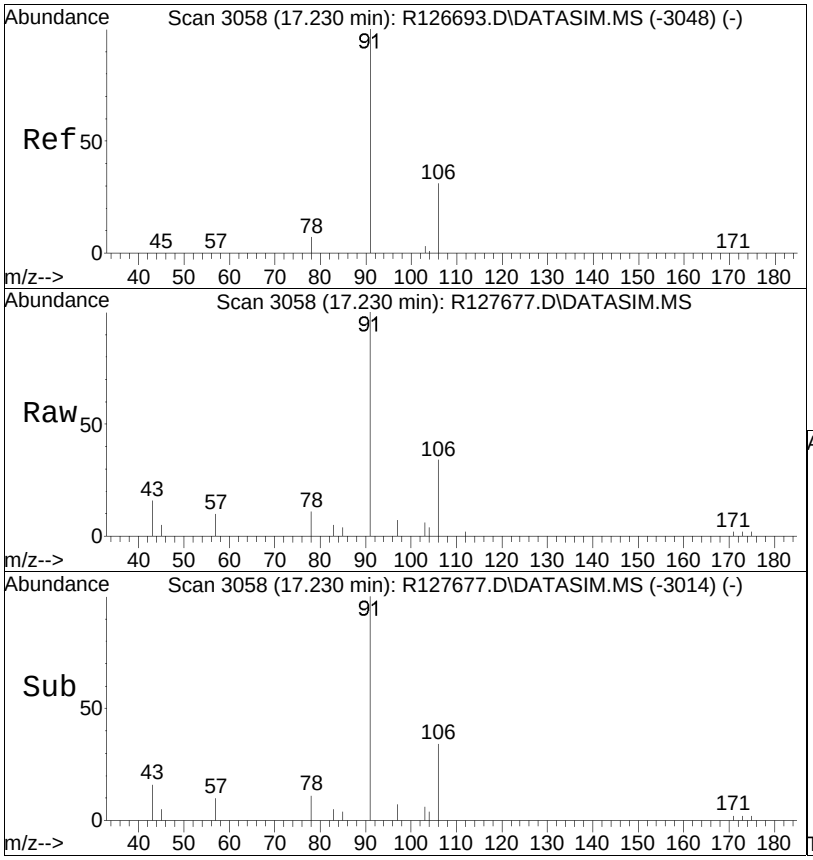


#50
toluene
Concen: 0.25 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 91 Resp: 13364

Ion	Ratio	Lower	Upper
91	100		
92	59.1	46.4	69.6

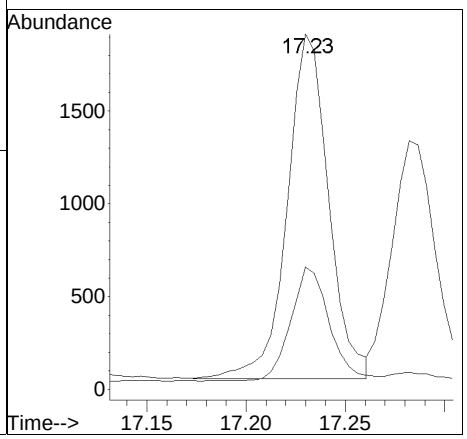


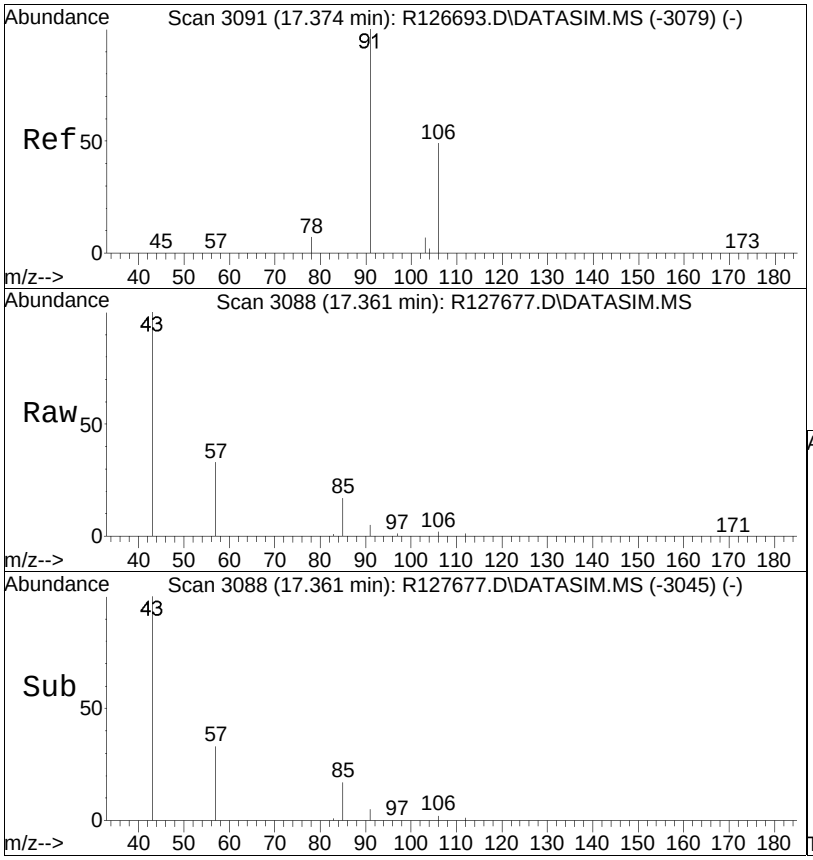


#58
ethylbenzene
Concen: 0.04 ppbV m
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 91 Resp: 2702

Ion	Ratio	Lower	Upper
91	100		
106	34.5	25.3	37.9

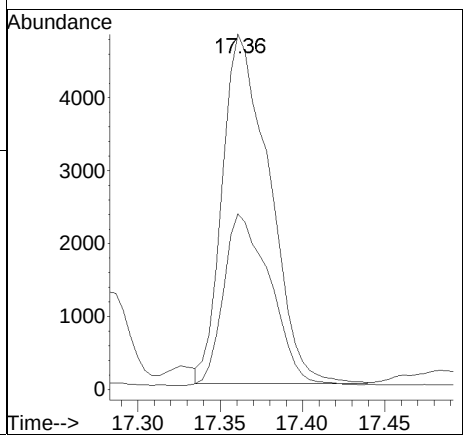


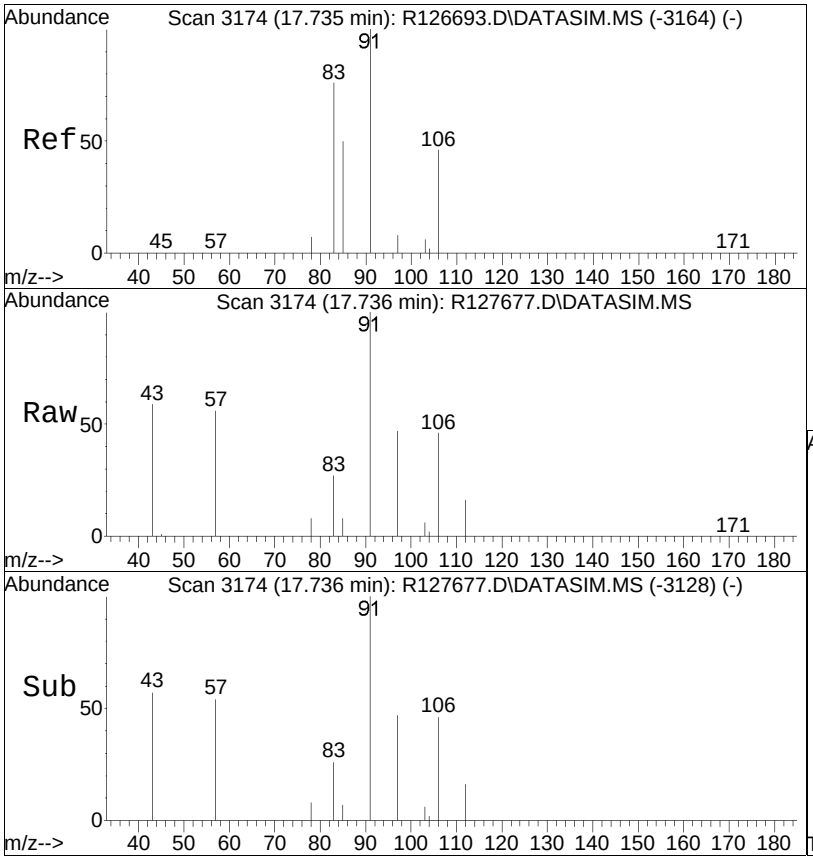


#59
m+p-xylene
Concen: 0.18 ppbV m
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 91 Resp: 9518

Ion	Ratio	Lower	Upper
91	100		
106	49.4	40.0	60.0

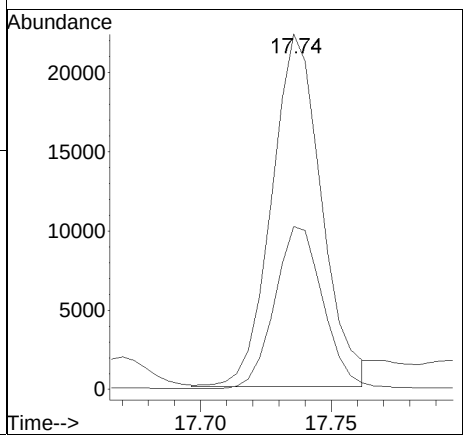


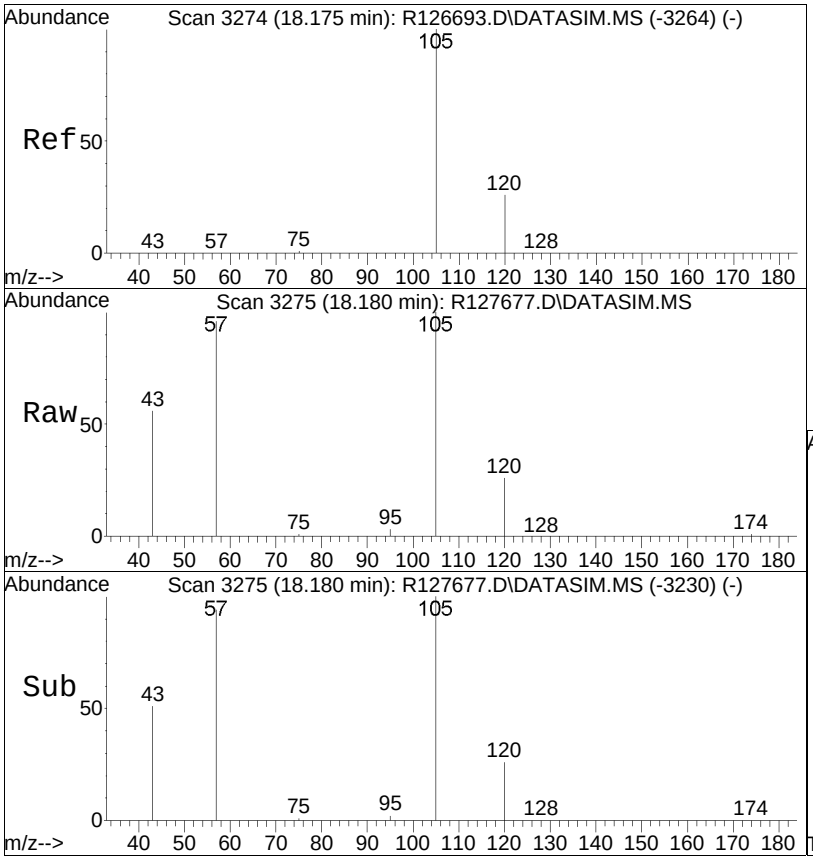


#63
o-xylene
Concen: 0.53 ppbV m
RT: 17.74 min Scan# 3174
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion: 91 Resp: 29489

Ion	Ratio	Lower	Upper
91	100		
106	45.8	37.1	55.7

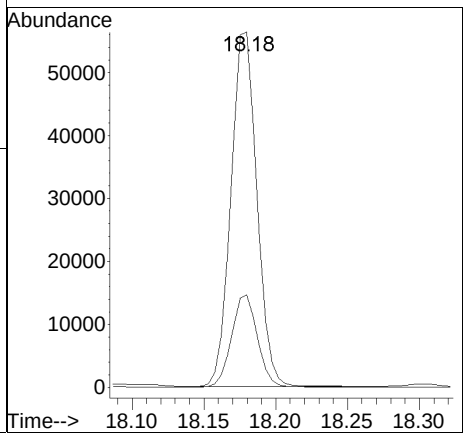


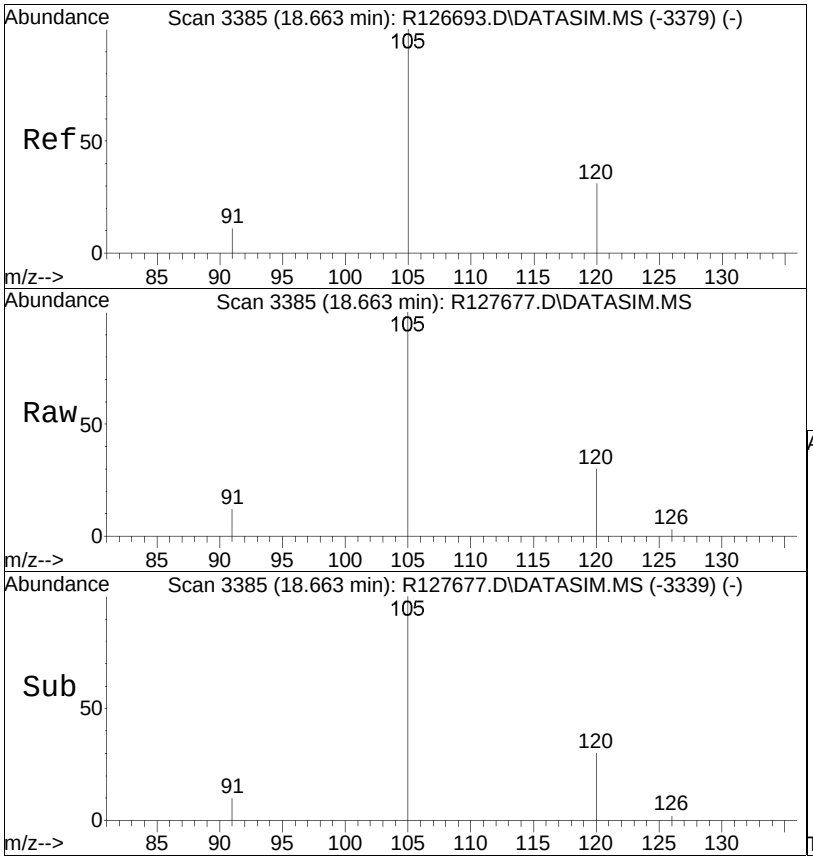


#65
isopropylbenzene
Concen: 0.86 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:105 Resp: 70670

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1

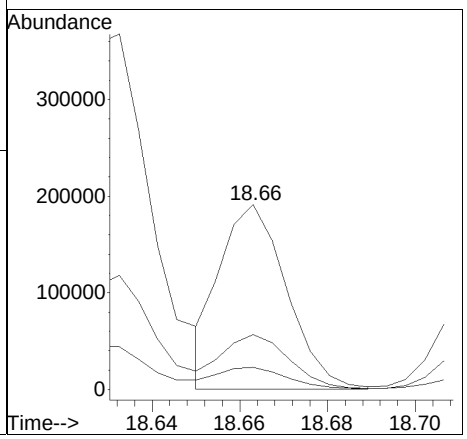


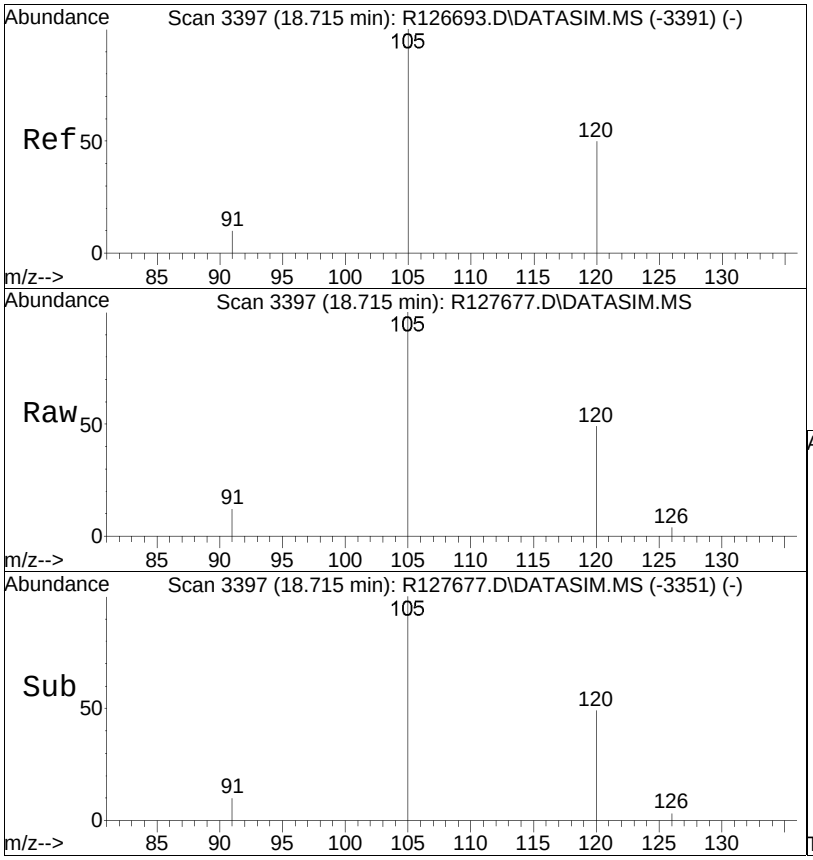


#66
4-ethyl toluene
Concen: 2.50 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:105 Resp: 202407

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	11.9	8.5	12.7

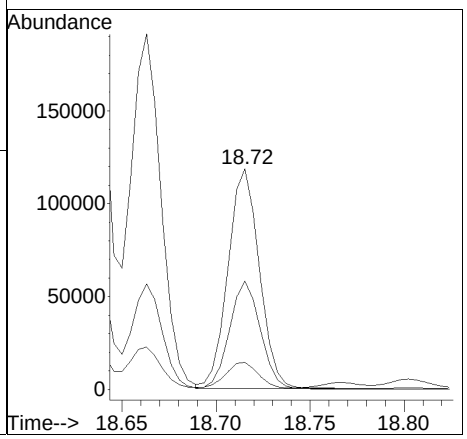


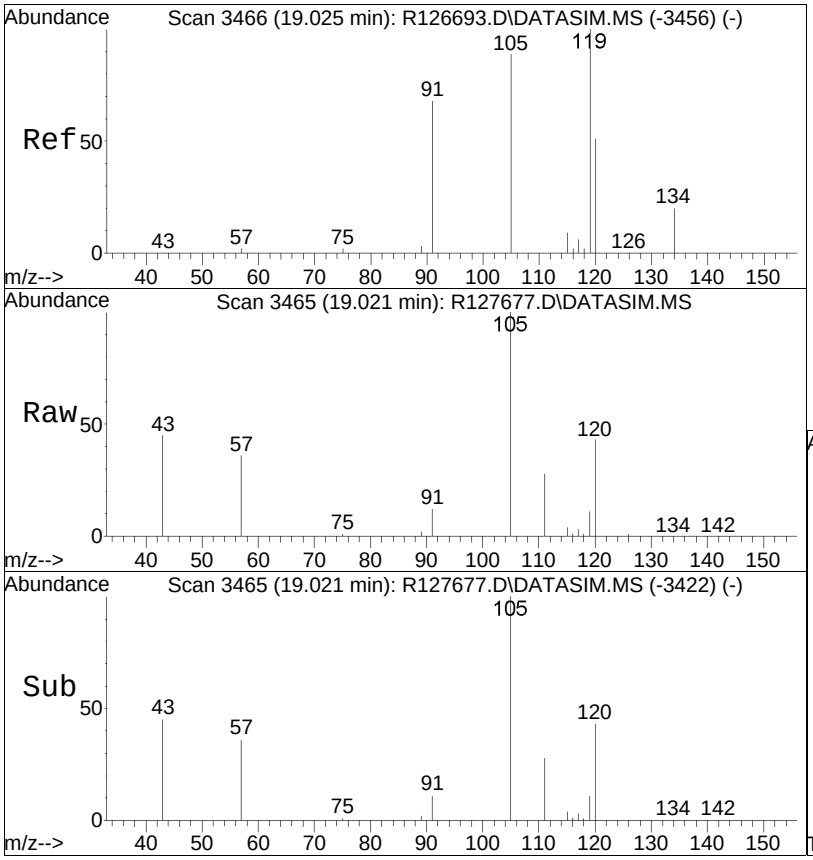


#67
1,3,5-trimethylbenzene
Concen: 2.07 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:105 Resp: 137671

Ion	Ratio	Lower	Upper
105	100		
120	49.1	39.0	58.4
91	12.3	8.0	12.0#

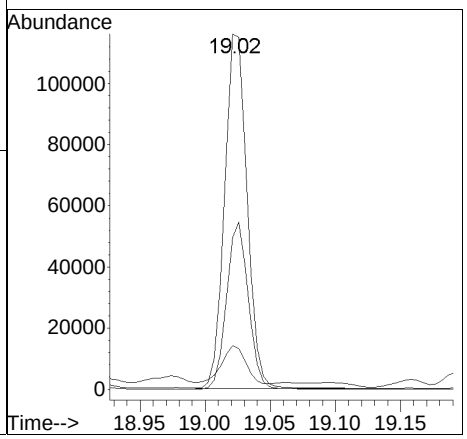


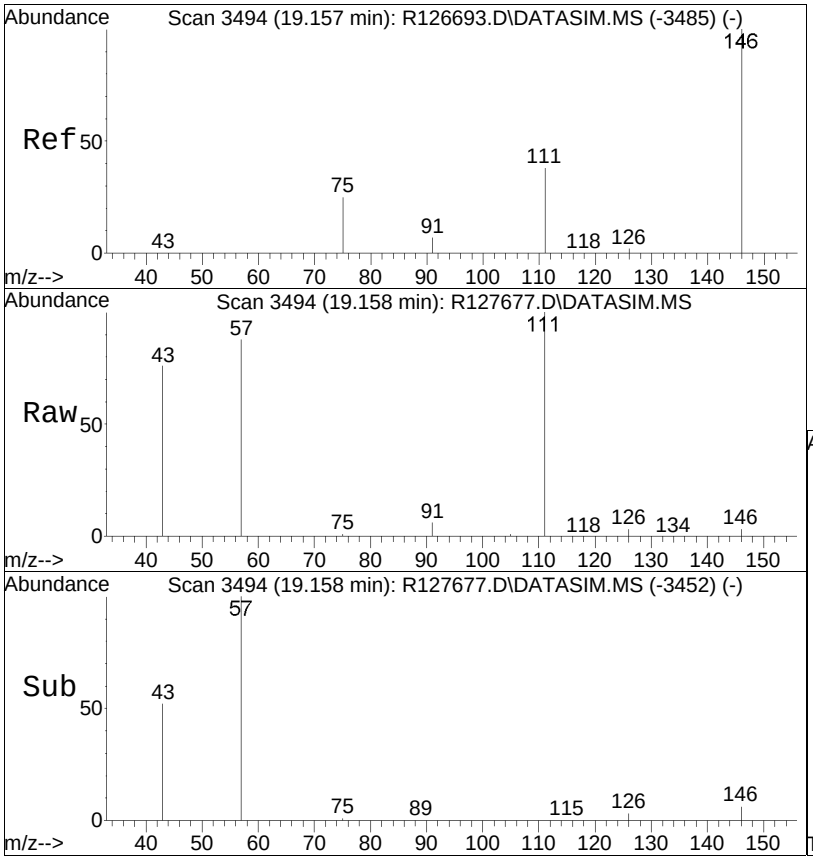


#69
1,2,4-trimethylbenzene
Concen: 2.10 ppbV
RT: 19.02 min Scan# 3465
Delta R.T. -0.005 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:105 Resp: 139483

Ion	Ratio	Lower	Upper
105	100		
120	42.7	44.9	67.3#
91	12.3	58.6	88.0#

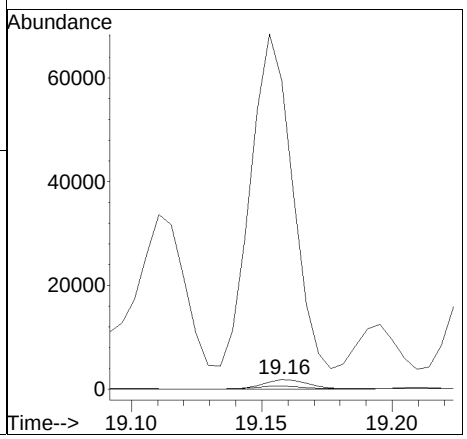


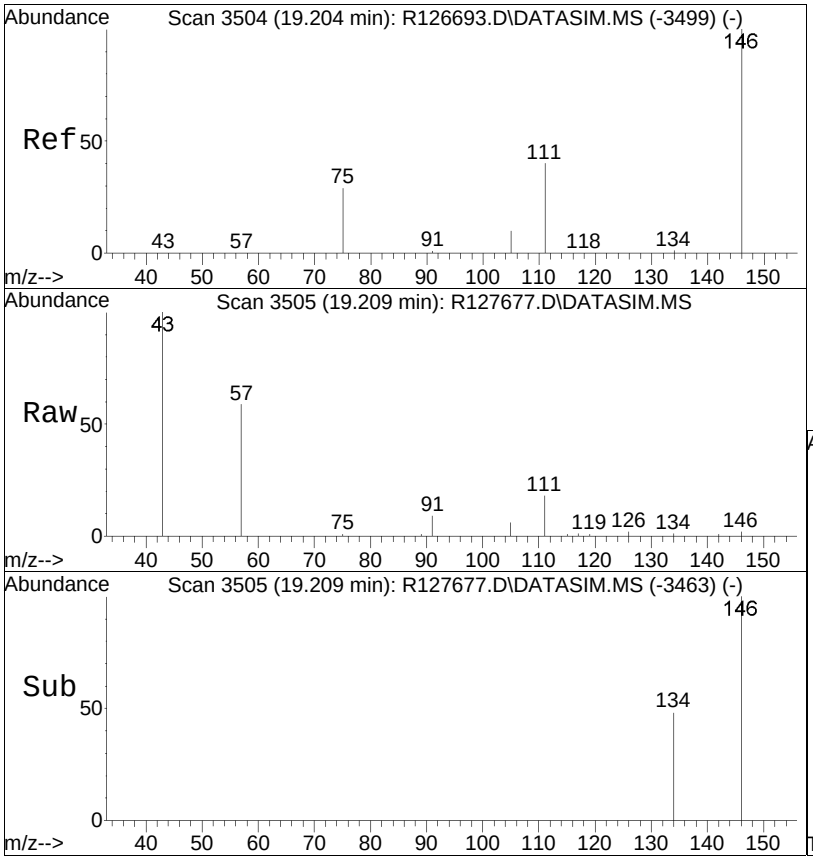


#71
1,3-dichlorobenzene
Concen: 0.05 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:146 Resp: 2267

Ion	Ratio	Lower	Upper
146	100		
111	3104.1	29.5	44.3#
75	34.2	19.5	29.3#

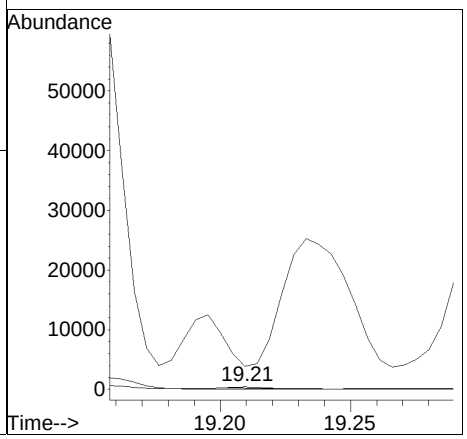


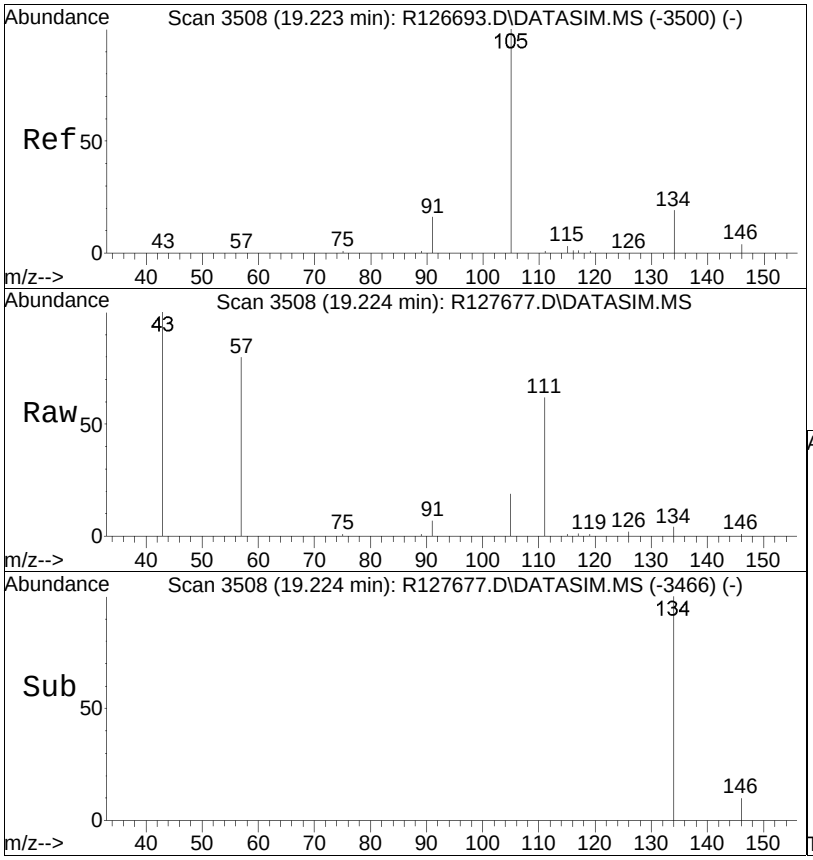


#72
1,4-dichlorobenzene
Concen: 0.01 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:146 Resp: 465

Ion	Ratio	Lower	Upper
146	100		
111	910.8	26.4	39.6#
75	48.2	18.0	27.0#

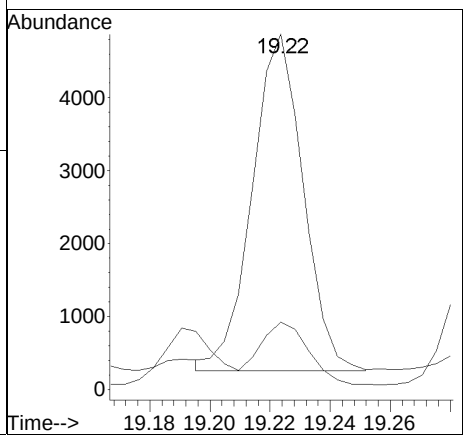


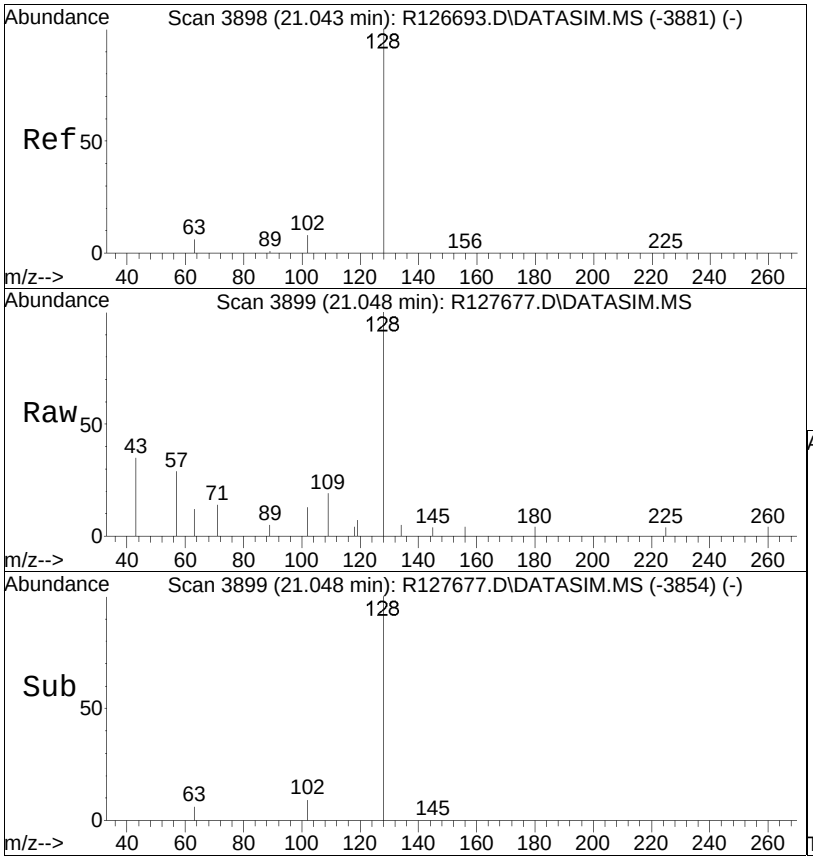


#73
sec-butylbenzene
Concen: 0.05 ppbV m
RT: 19.22 min Scan# 3508
Delta R.T. -0.000 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:105 Resp: 5457

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.3	21.5

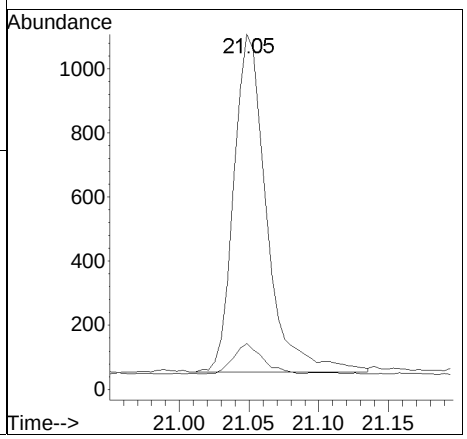




#78
naphthalene
Concen: 0.02 ppbV
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127677.D
Acq: 15 Apr 2013 10:56 pm

Tgt Ion:128 Resp: 1722

Ion	Ratio	Lower	Upper
128	100		
102	12.9	6.2	9.2#

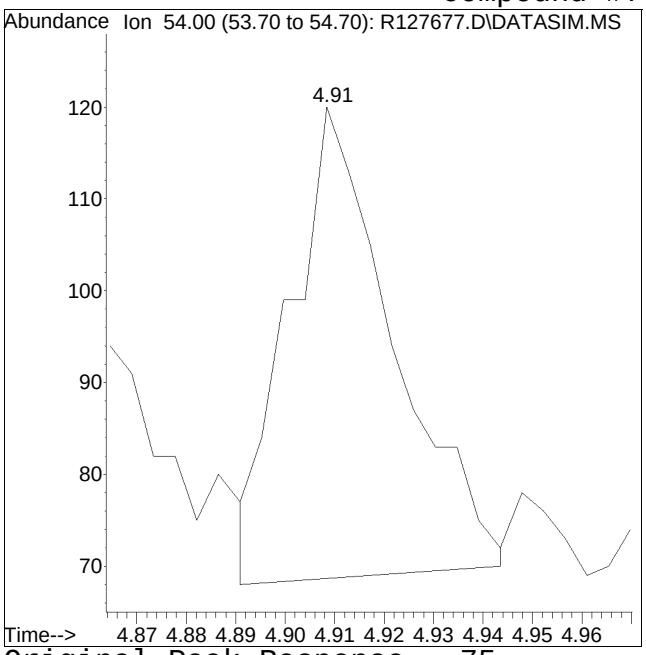


Manual Integration/Negative Proof Report

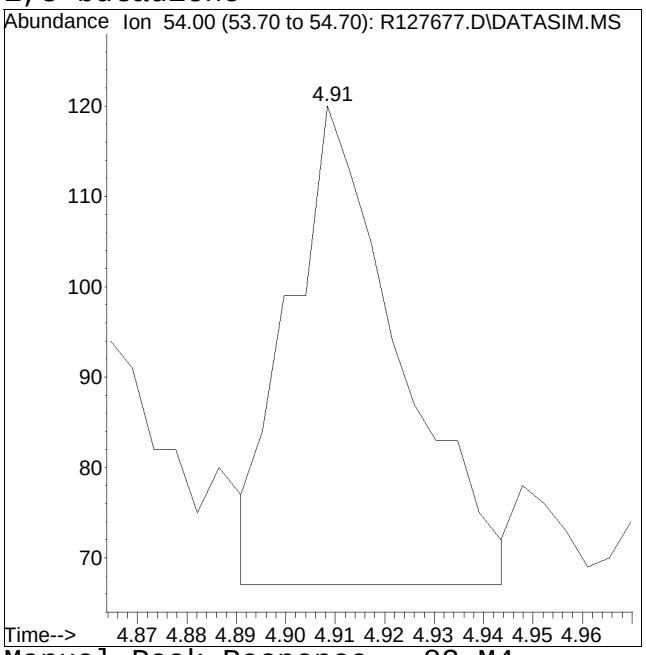
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #7: 1,3-butadiene



Original Peak Response = 75



Manual Peak Response = 82 M4

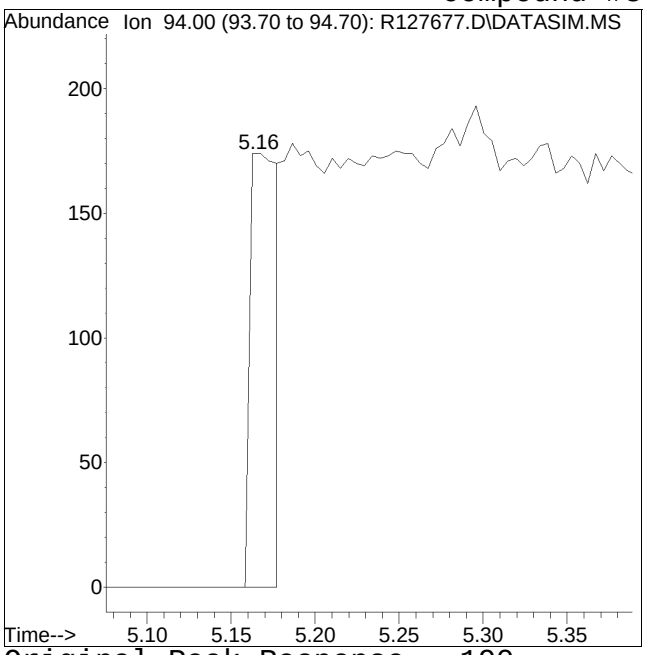
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

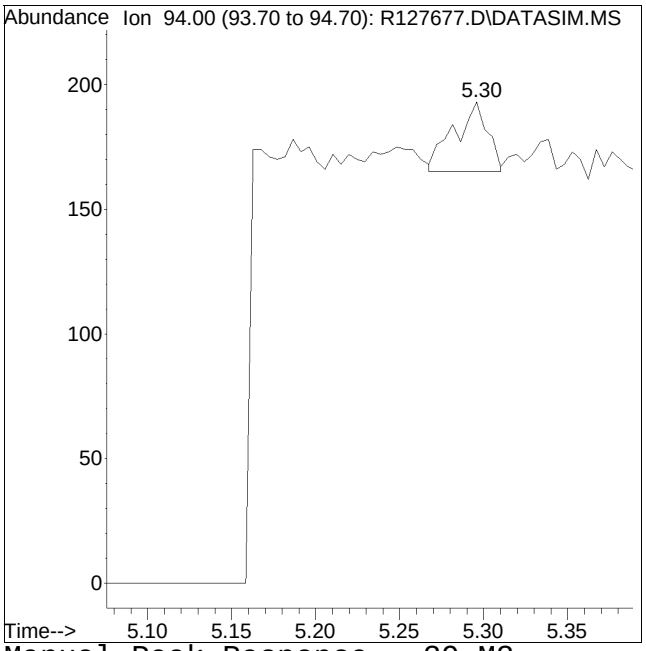
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #8: bromomethane



Original Peak Response = 190



Manual Peak Response = 39 M3

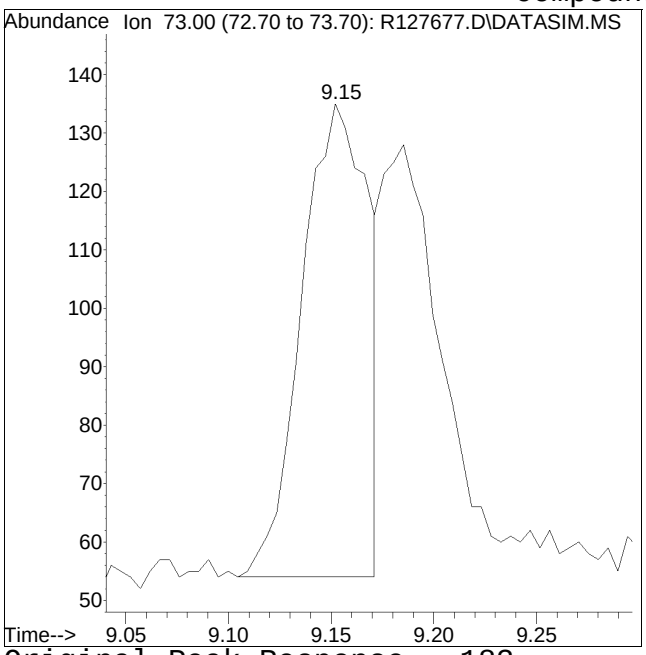
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

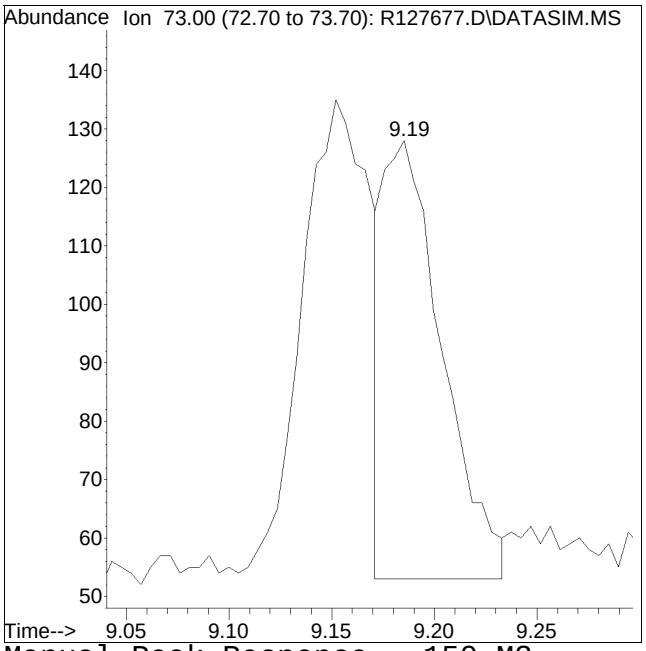
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #24: MTBE



Original Peak Response = 183



Manual Peak Response = 150 M3

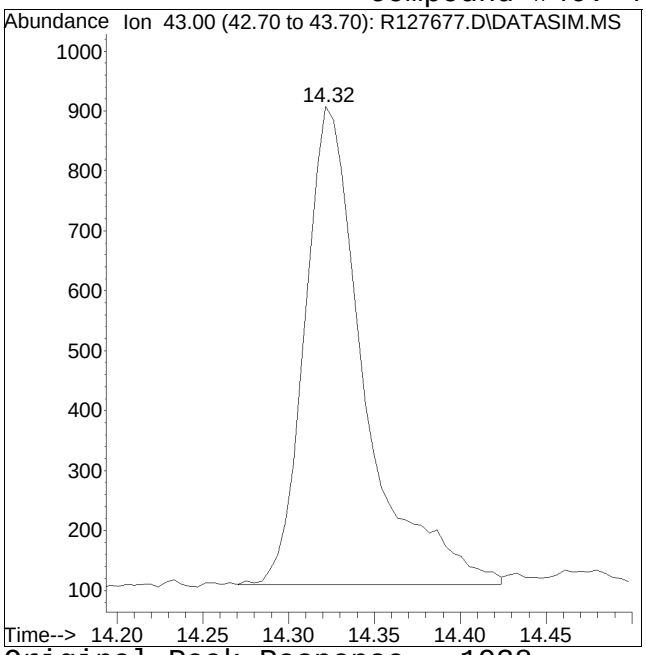
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

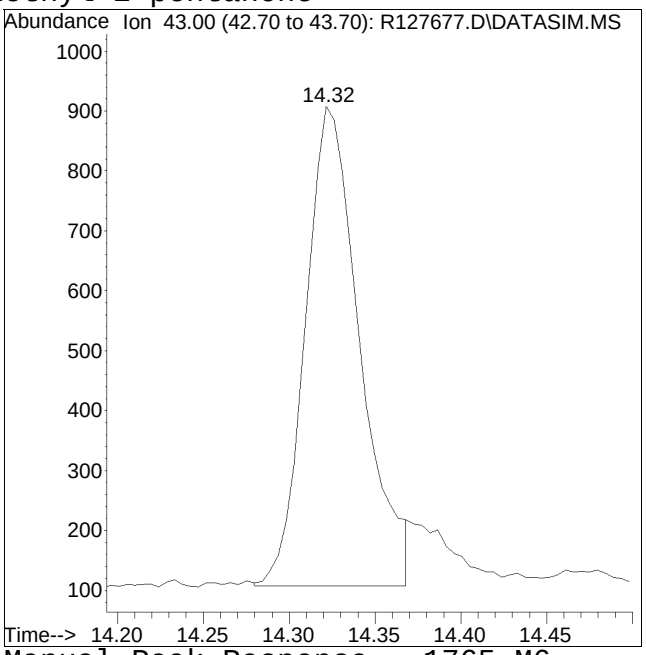
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 1938



Manual Peak Response = 1765 M6

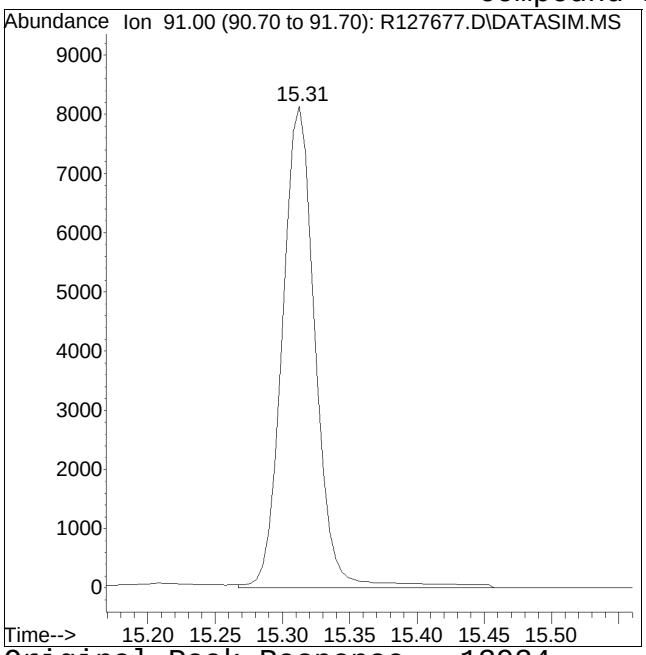
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

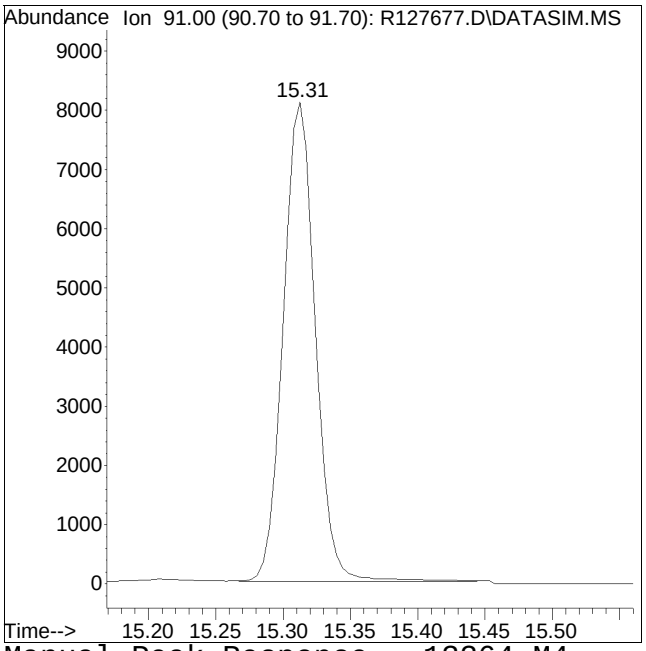
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #50: toluene



Original Peak Response = 13934



Manual Peak Response = 13364 M4

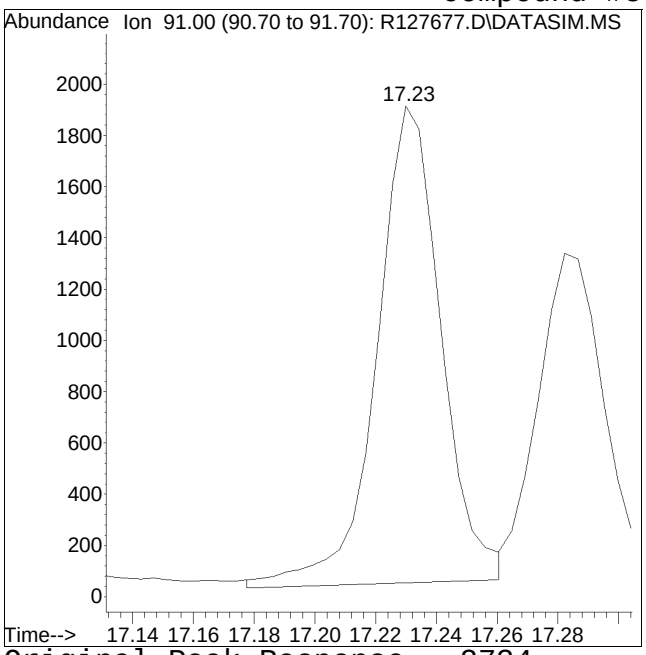
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

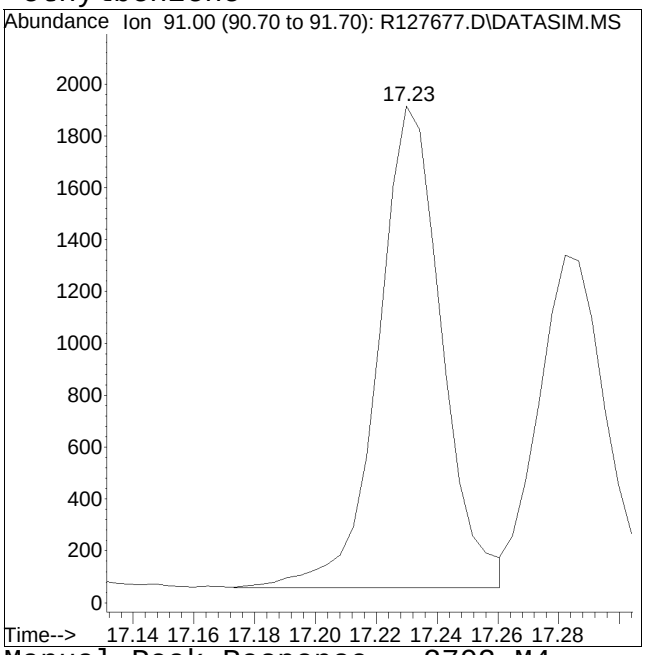
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #58: ethylbenzene



Original Peak Response = 2734



Manual Peak Response = 2702 M4

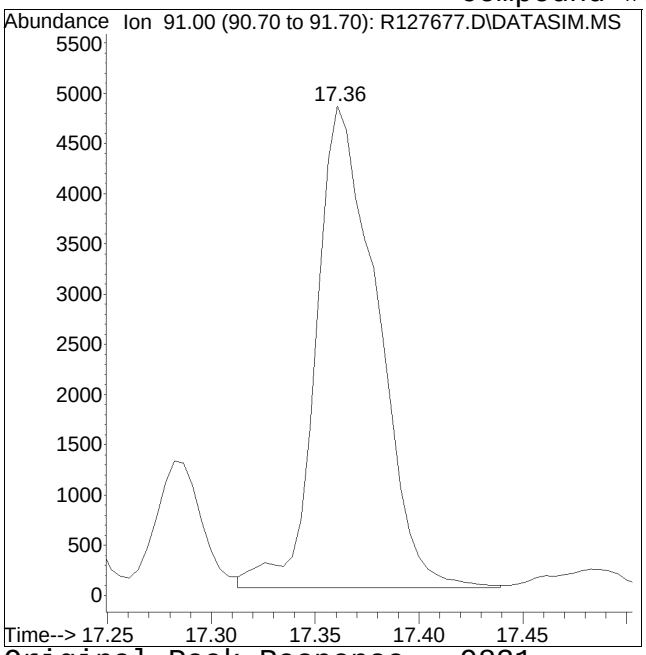
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

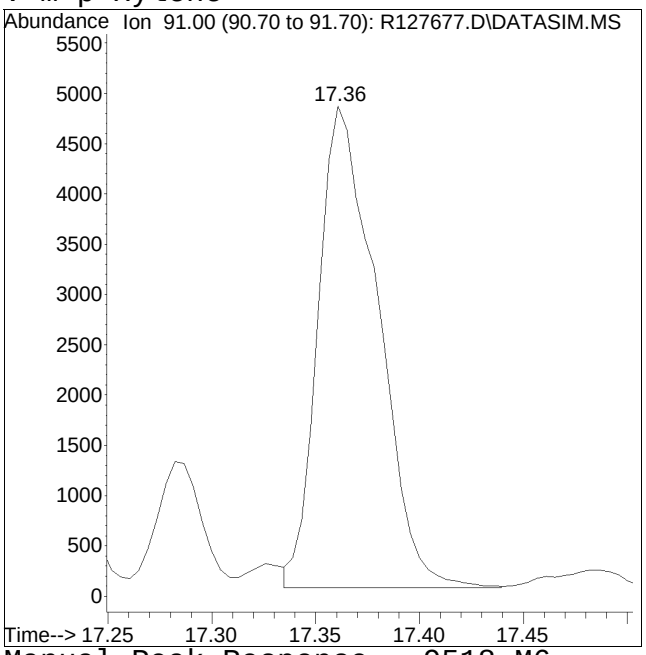
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #59: m+p-xylene



Original Peak Response = 9831



Manual Peak Response = 9518 M6

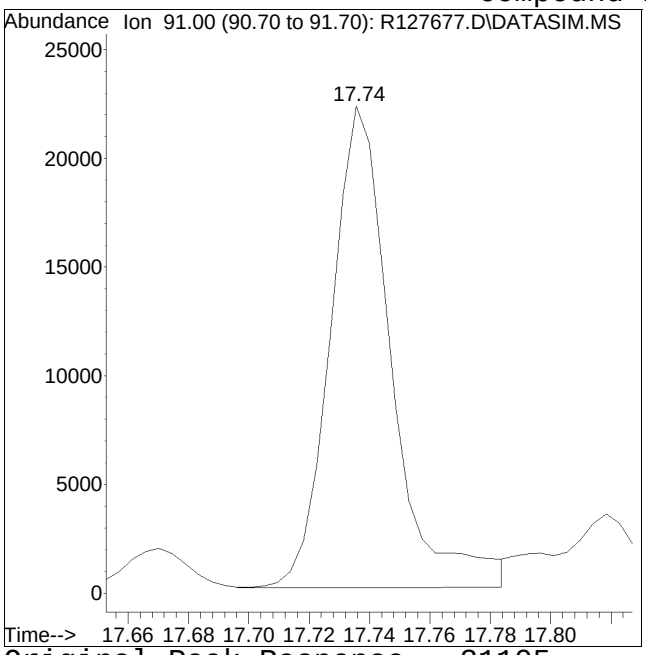
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

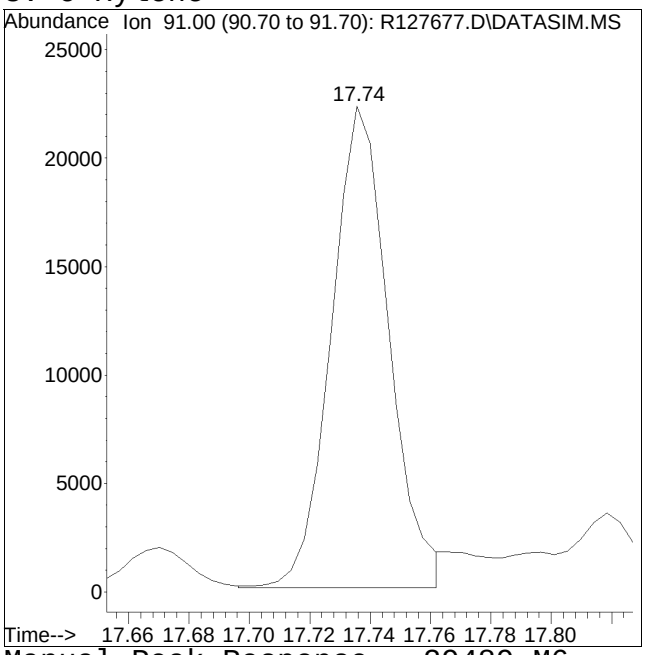
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #63: o-xylene



Original Peak Response = 31105



Manual Peak Response = 29489 M6

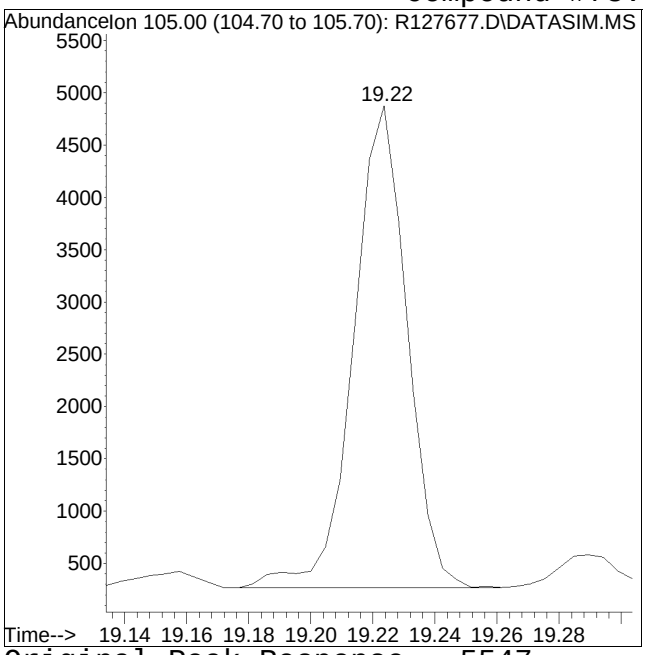
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

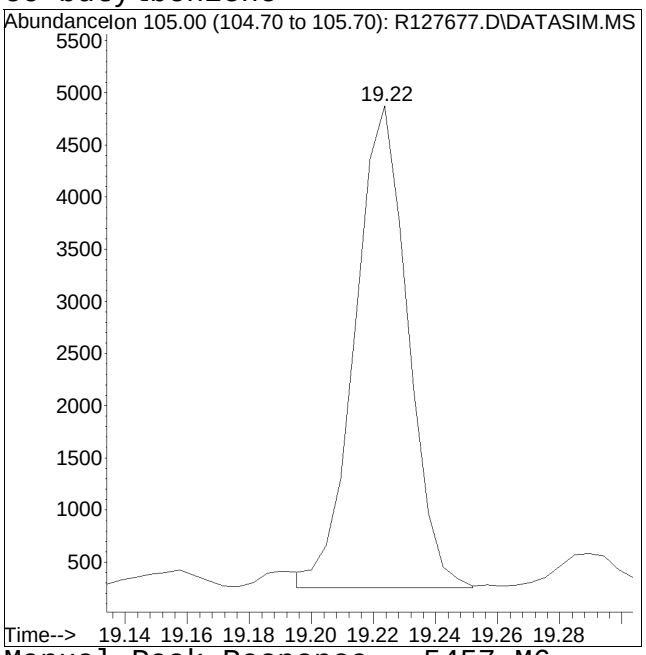
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #73: sec-butylbenzene



Original Peak Response = 5547



Manual Peak Response = 5457 M6

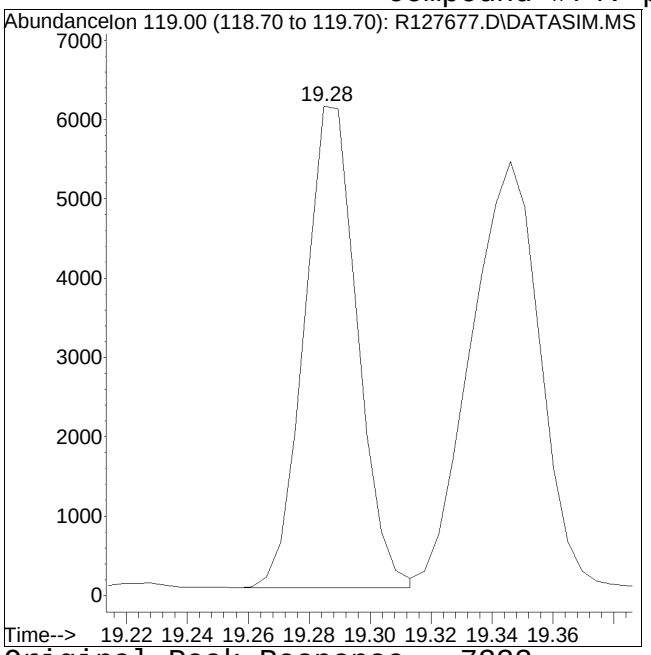
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

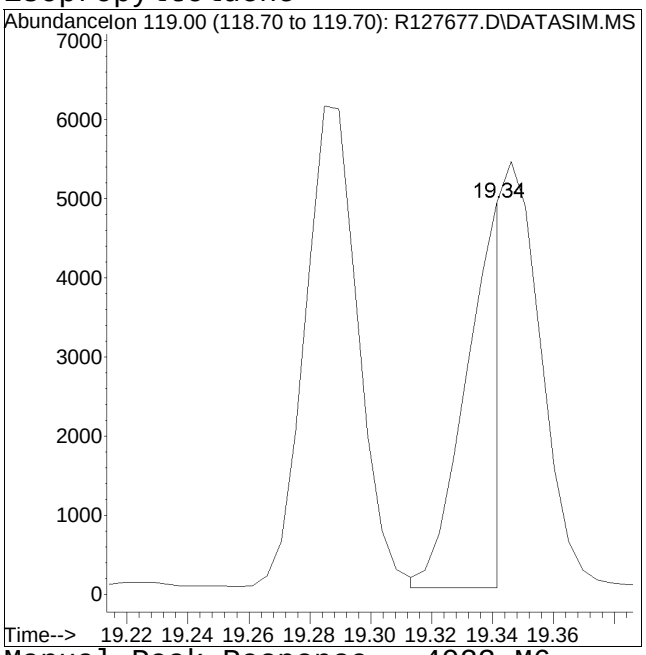
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #74: p-isopropyltoluene



Original Peak Response = 7333



Manual Peak Response = 4023 M6

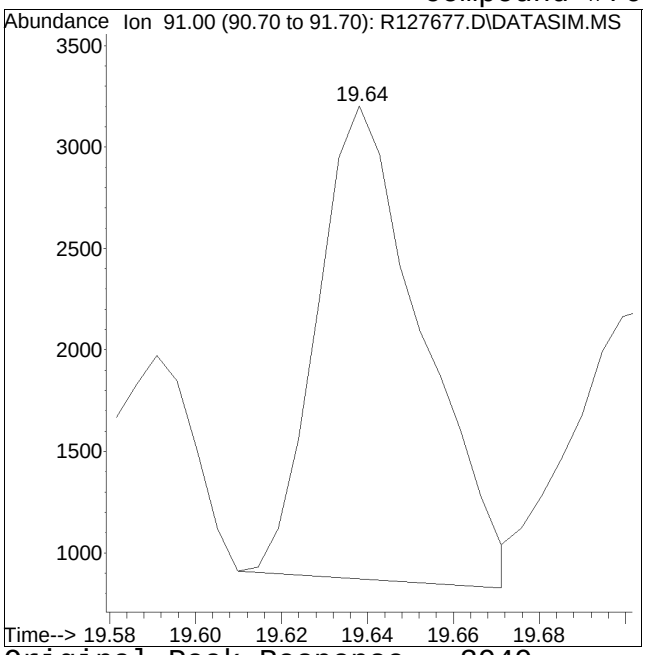
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

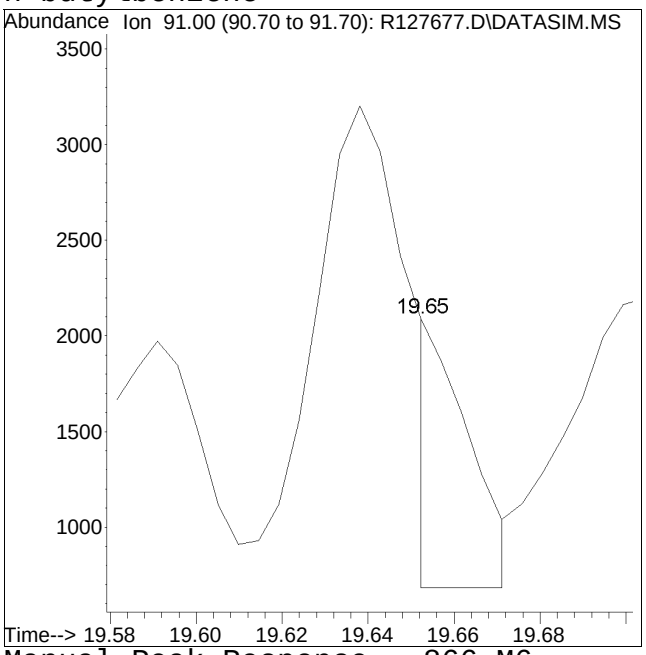
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127677.D
Date Inj'd : 4/15/2013 10:56 pm
Sample : L1306330-22D,3,50,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #76: n-butylbenzene



Original Peak Response = 3949



Manual Peak Response = 866 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127678.D
Acq On : 15 Apr 2013 11:28 pm
Operator : AIRPIANO1:MB
Sample : L1306330-23,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 17 11:14:10 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	269629	10.000	ppbV	0.00
Standard Area = 277541			Recovery =	97.15%		
32) 1,4-difluorobenzene	12.49	114	552252	10.000	ppbV	0.00
Standard Area = 568916			Recovery =	97.07%		
49) chlorobenzene-D5	16.90	54	137785	10.000	ppbV	0.00
Standard Area = 138075			Recovery =	99.79%		
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	15170	0.434	ppbV	99
4) chloromethane	4.40	50	10687	0.582	ppbV	100
5) Freon-114	4.55	85	523	0.014	ppbV #	93
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	1493	0.120	ppbV	93
8) bromomethane	5.30	94	128M3	0.009	ppbV	
9) chloroethane	5.55	64	460	0.066	ppbV #	63
12) acetone	6.39	43	809037M6	27.732	ppbV	
13) trichlorofluoromethane	6.62	101	8645	0.206	ppbV	100
15) acrylonitrile	7.04	53	1798	0.127	ppbV	96
16) 1,1-dichloroethene	7.47	61	174	0.007	ppbV #	44
17) methylene chloride	7.64	49	238805	9.793	ppbV	100
20) Freon 113	7.99	101	1918	0.066	ppbV	97
22) trans-1,2-dichloroethene	8.82		0	N.D.		
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	180279	3.943	ppbV	97
27) cis-1,2-dichloroethene	10.07		0	N.D.		
29) chloroform	10.43	83	1374	0.044	ppbV #	37
31) 1,2-dichloroethane	11.28	62	454	0.019	ppbV #	72
35) 1,1,1-trichloroethane	11.56	97	2034M4	0.069	ppbV	
36) benzene	12.09	78	25937	0.594	ppbV	100
37) carbon tetrachloride	12.25	117	6498	0.200	ppbV	96
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	108713	5.094	ppbV	99
45) cis-1,3-dichloropropene	14.25		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	42569M6	0.859	ppbV	
47) trans-1,3-dichloropropene	14.80		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127678.D
Acq On : 15 Apr 2013 11:28 pm
Operator : AIRPIANO1:MB
Sample : L1306330-23,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 17 11:14:10 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

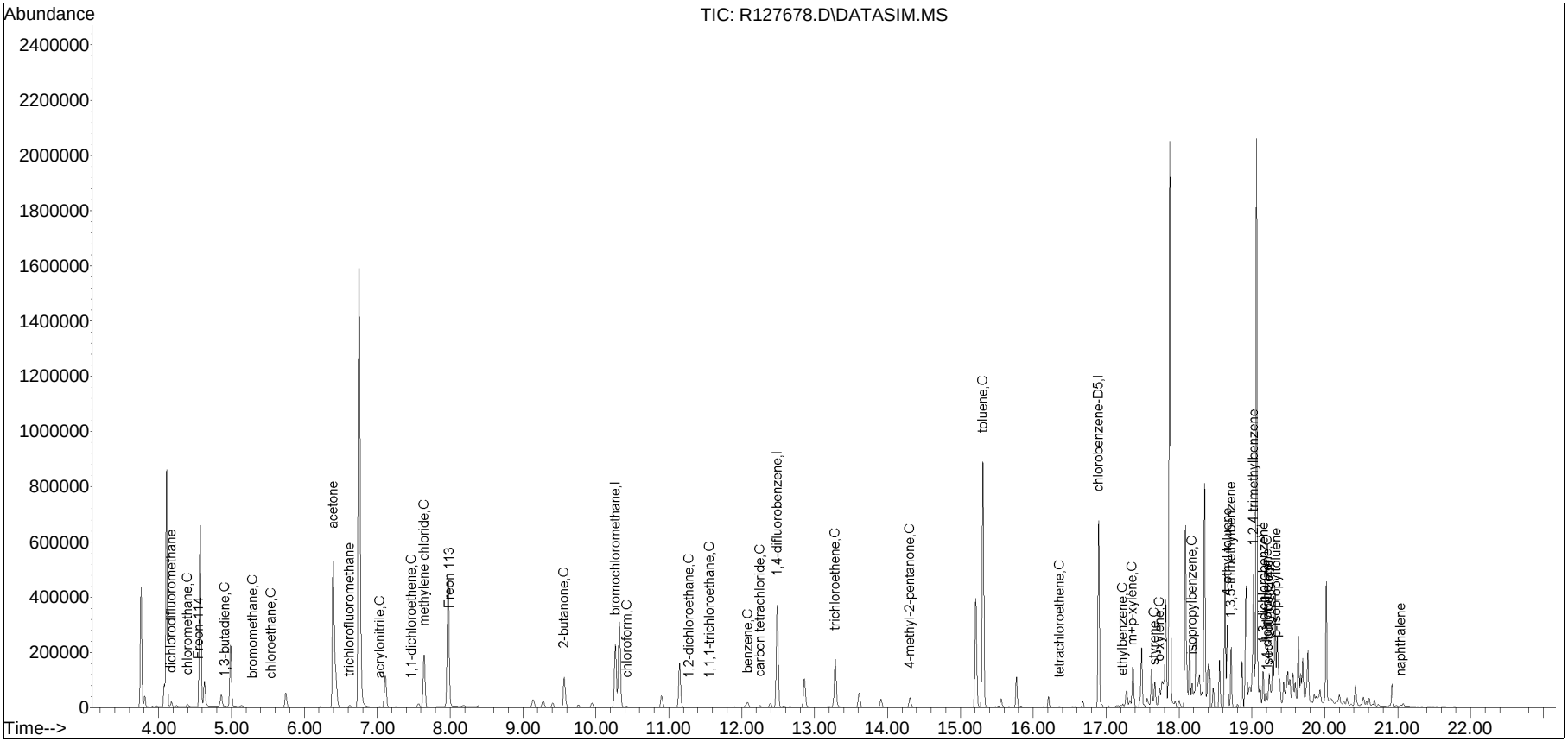
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	789545M4	14.136	ppbV	
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.87		0	N.D.		
55) tetrachloroethene	16.36	166	2393M4	0.083	ppbV	
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.		
57) chlorobenzene	0.00		0	N.D.	d	
58) ethylbenzene	17.23	91	9991	0.140	ppbV	100
59) m+p-xylene	17.36	91	27498	0.494	ppbV	99
60) bromoform	17.46		0	N.D.		
61) styrene	17.66	104	1514	0.035	ppbV #	77
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d	
63) o-xylene	17.74	91	27233	0.470	ppbV	100
65) isopropylbenzene	18.18	105	41602	0.489	ppbV	99
66) 4-ethyl toluene	18.66	105	243764	2.893	ppbV	99
67) 1,3,5-trimethylbenzene	18.72	105	158891	2.298	ppbV	99
69) 1,2,4-trimethylbenzene	19.02	105	270348	3.905	ppbV #	50
71) 1,3-dichlorobenzene	19.16	146	19623	0.375	ppbV #	1
72) 1,4-dichlorobenzene	19.21	146	3122	0.059	ppbV #	1
73) sec-butylbenzene	19.22	105	5775M3	0.053	ppbV	
74) p-isopropyltoluene	19.34	119	7803M6	0.082	ppbV	
75) 1,2-dichlorobenzene	19.47		0	N.D.		
76) n-butylbenzene	19.65		0	N.D.		
77) 1,2,4-trichlorobenzene	20.92		0	N.D.		
78) naphthalene	21.04	128	6456M6	0.064	ppbV	
79) 1,2,3-trichlorobenzene	21.30		0	N.D.		
80) hexachlorobutadiene	21.35		0	N.D.		

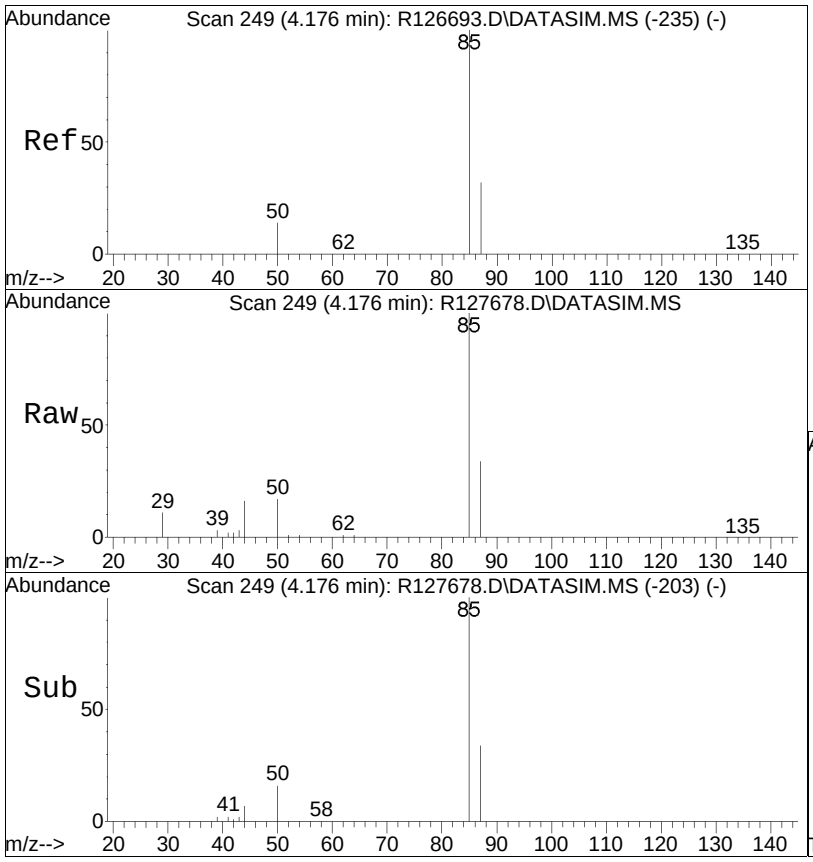
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127678.D
Acq On : 15 Apr 2013 11:28 pm
Operator : AIRPIANO1:MB
Sample : L1306330-23,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 17 11:14:10 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

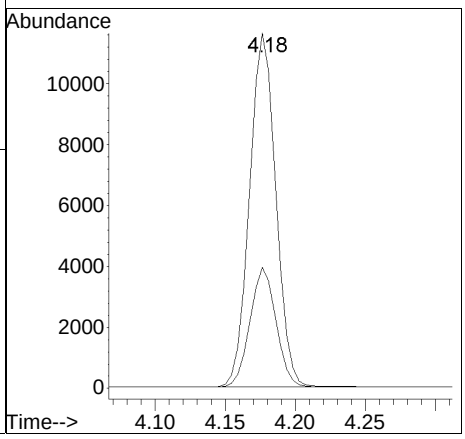


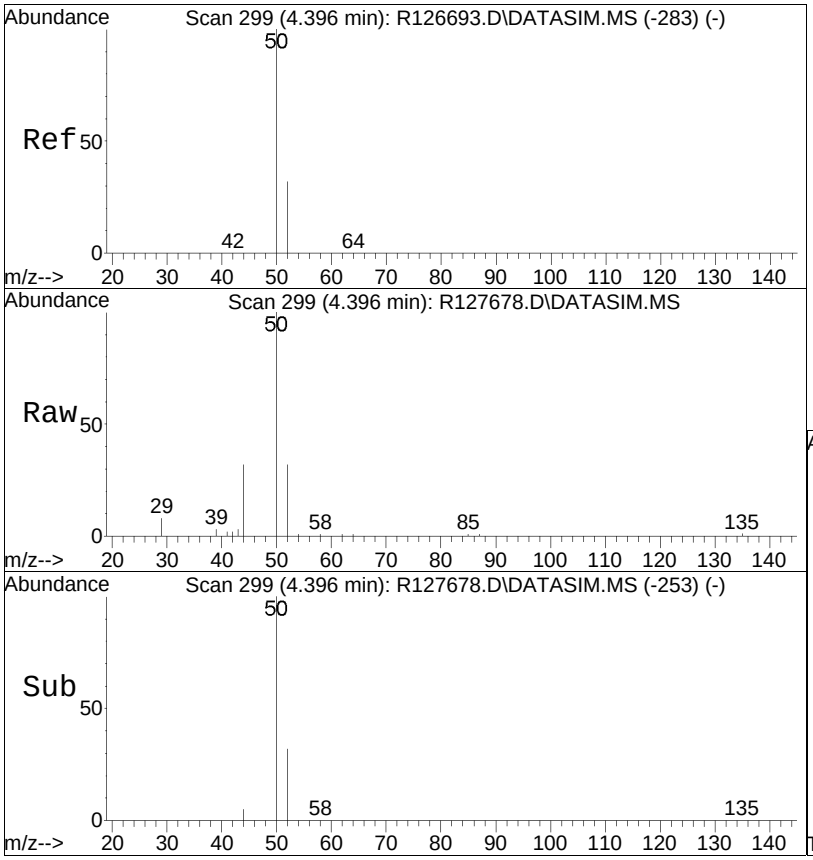


#3
dichlorodifluoromethane
Concen: 0.43 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 85 Resp: 15170

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.6	40.0

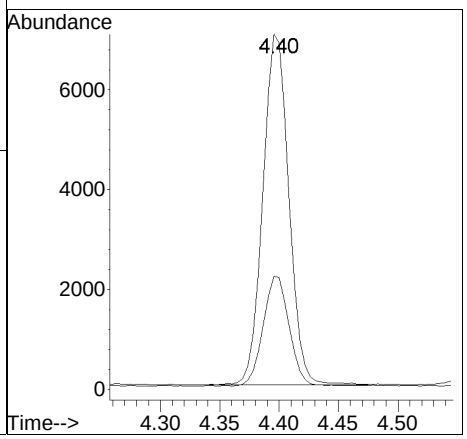


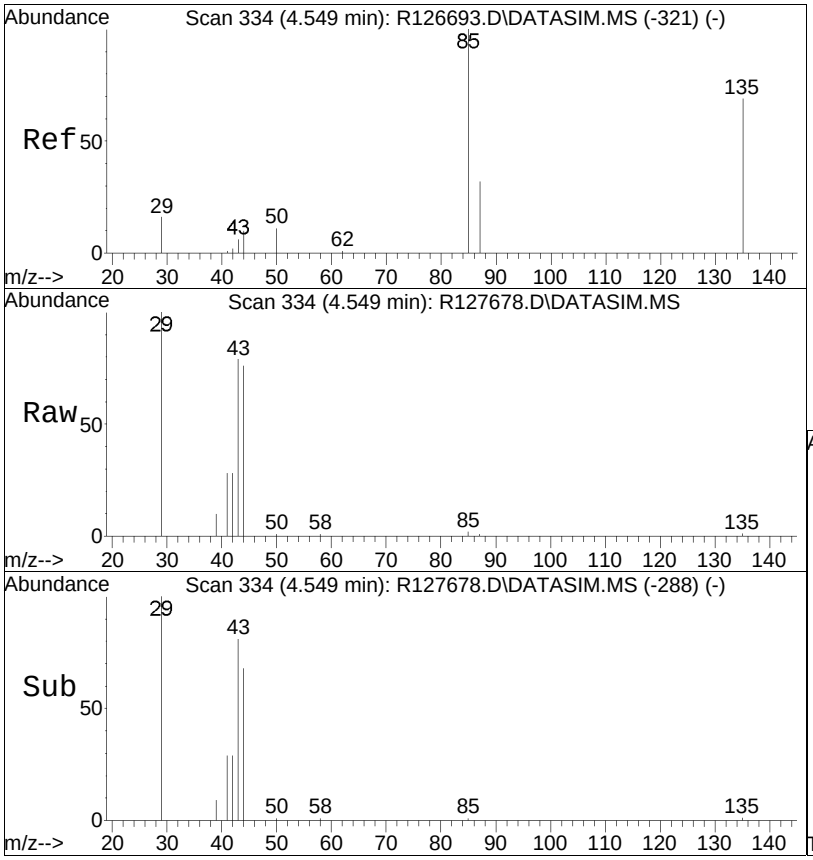


#4
chloromethane
Concen: 0.58 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 50 Resp: 10687

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.3	37.9

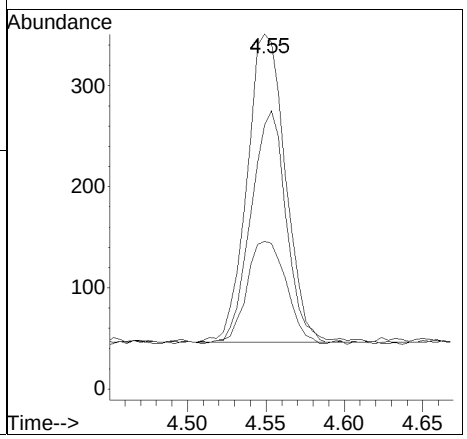


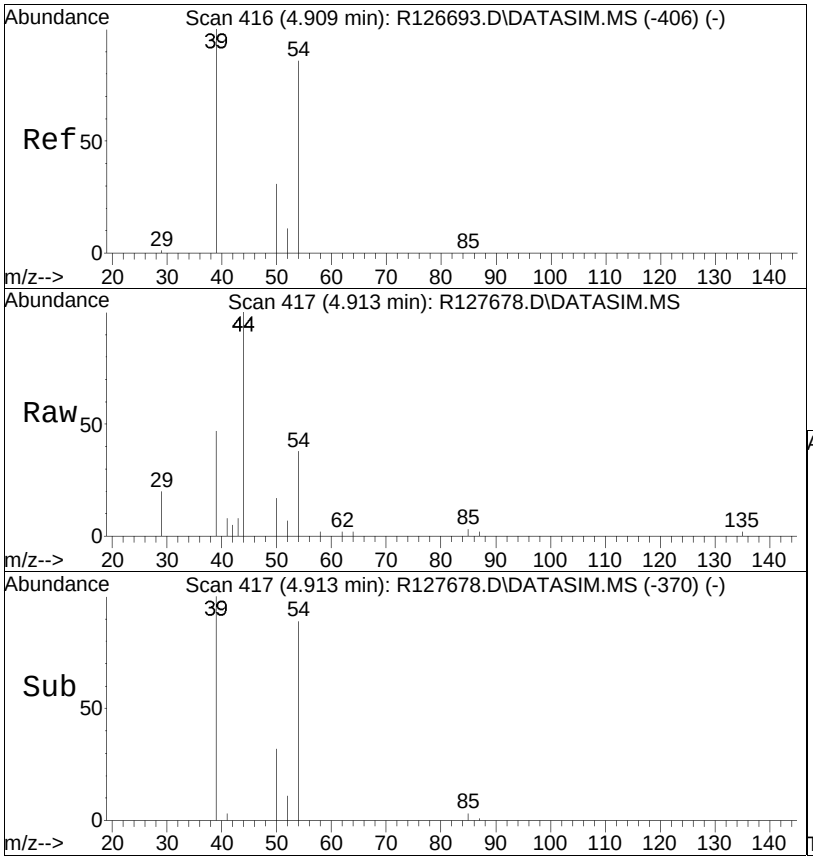


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 85 Resp: 523

Ion	Ratio	Lower	Upper
85	100		
87	41.6	26.5	39.7#
135	74.4	56.9	85.3

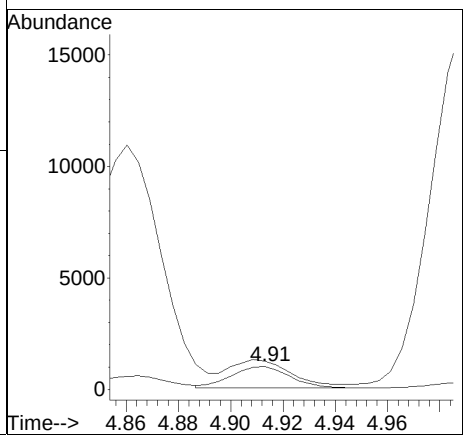


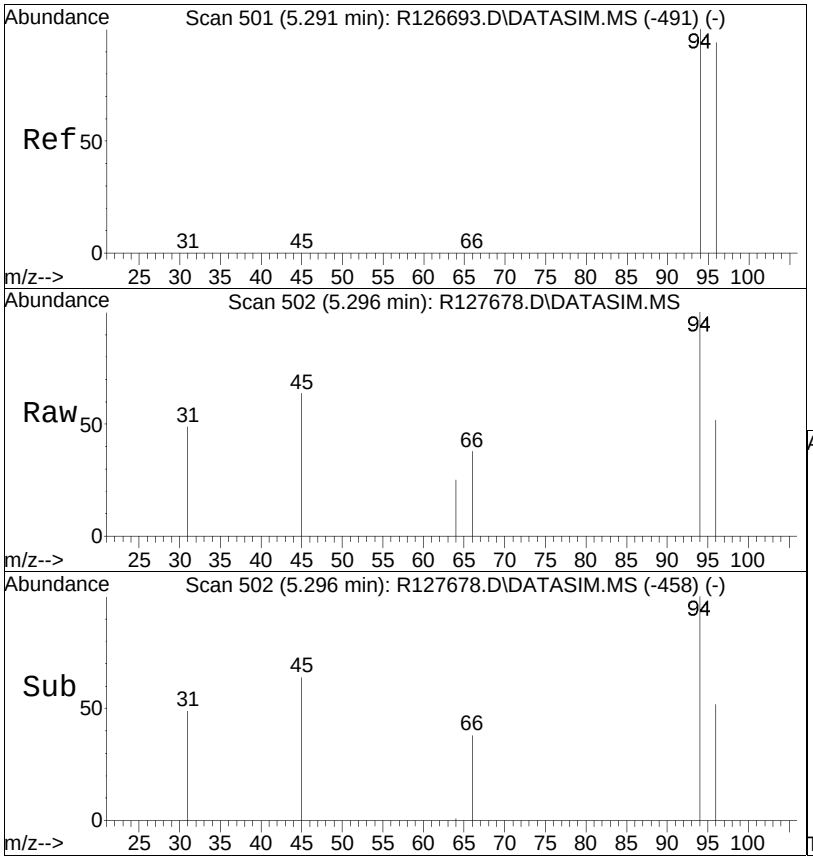


#7
1,3-butadiene
Concen: 0.12 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 54 Resp: 1493

Ion	Ratio	Lower	Upper
54	100		
39	123.4	92.4	138.6

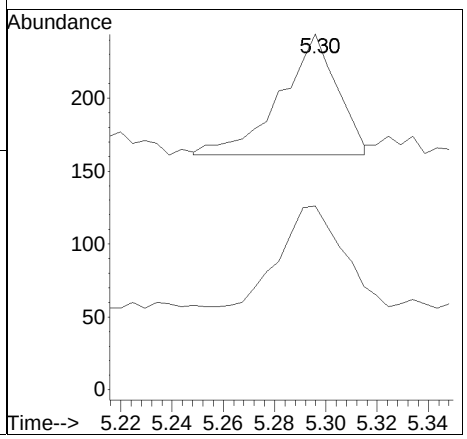


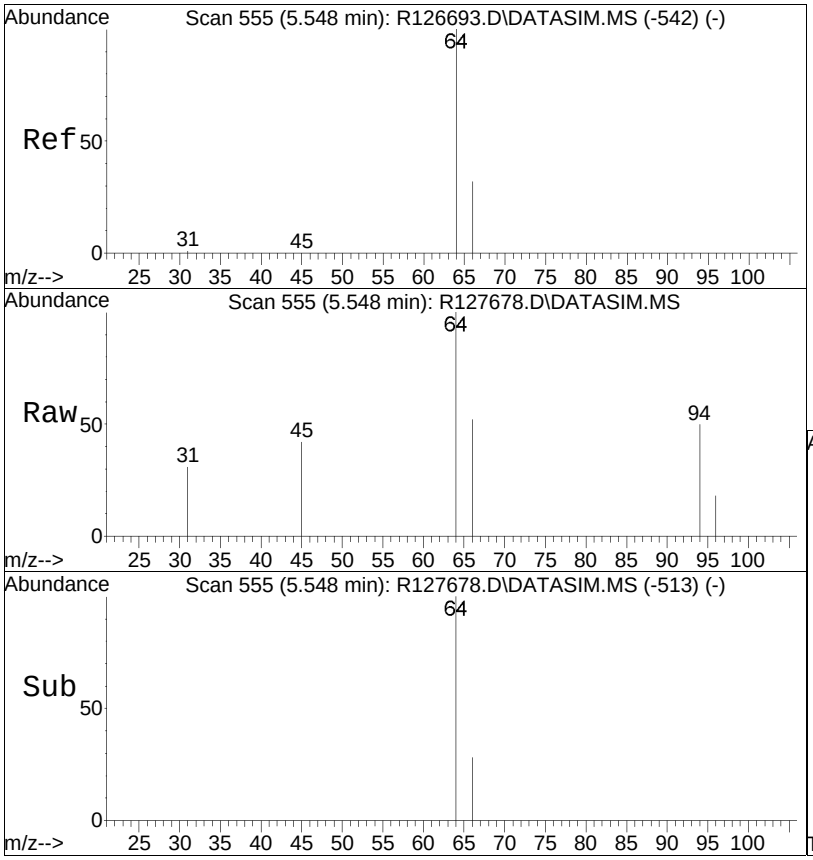


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 94 Resp: 128

Ion	Ratio	Lower	Upper
94	100		
96	51.6	76.9	115.3#

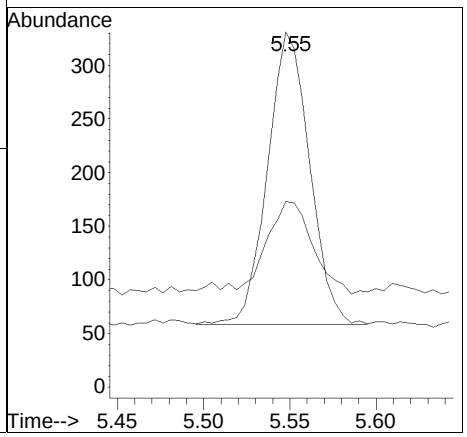


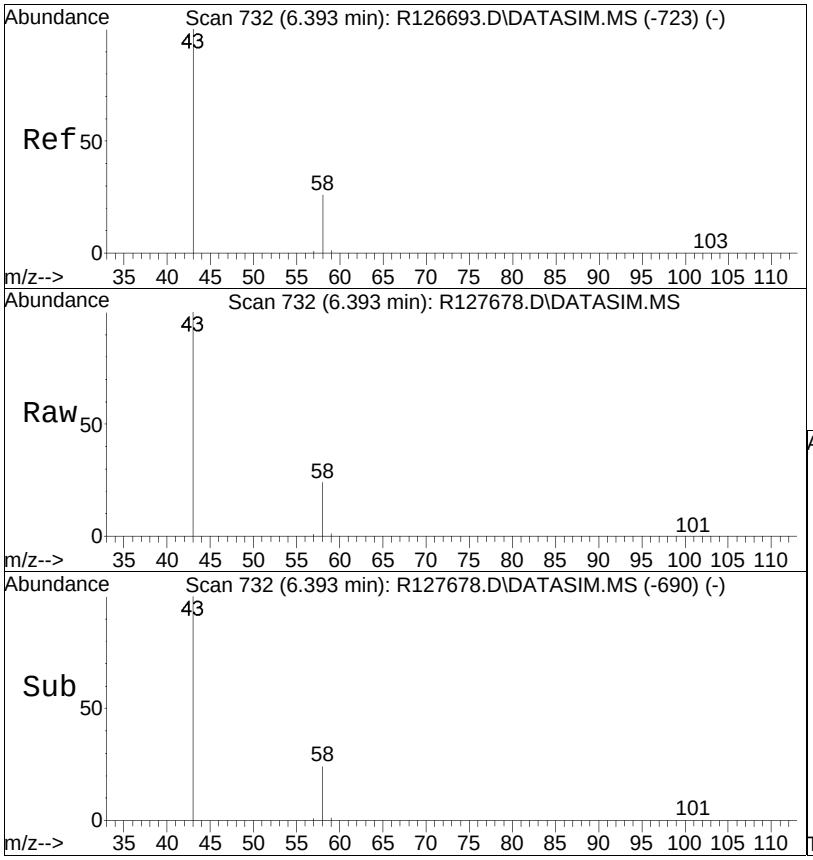


#9
chloroethane
Concen: 0.07 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 64 Resp: 460

Ion	Ratio	Lower	Upper
64	100		
66	52.3	25.5	38.3#

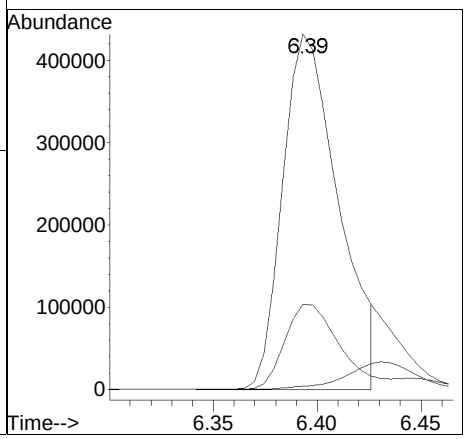


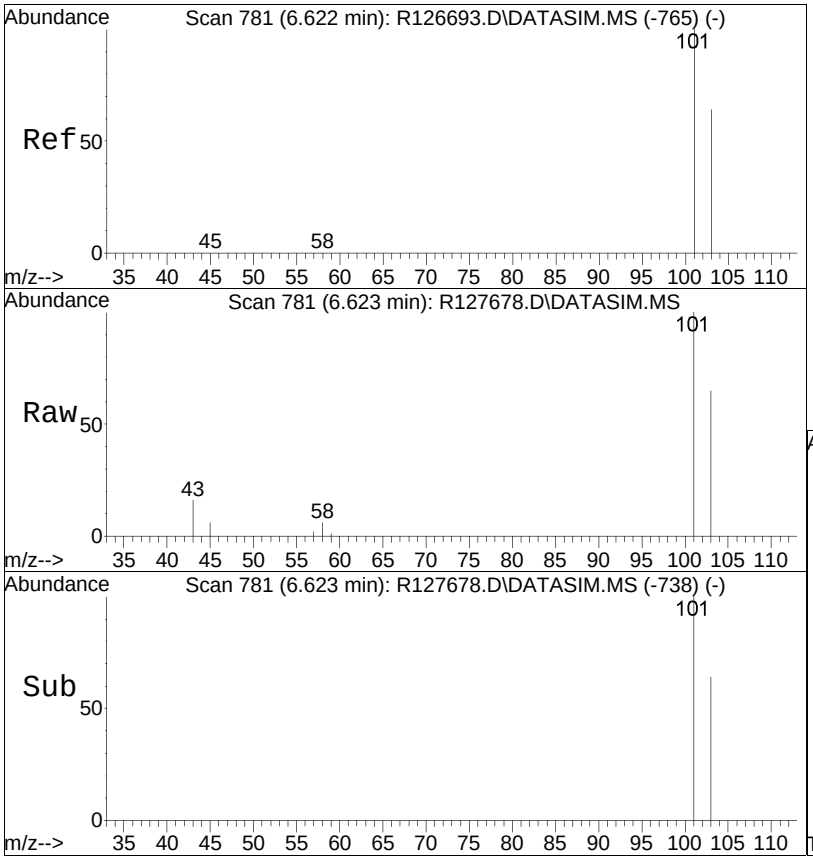


#12
acetone
Concen: 27.73 ppbV m
RT: 6.39 min Scan# 732
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 43 Resp: 809037

Ion	Ratio	Lower	Upper
43	100		
58	24.0	20.0	30.0
57	0.9	0.6	1.0

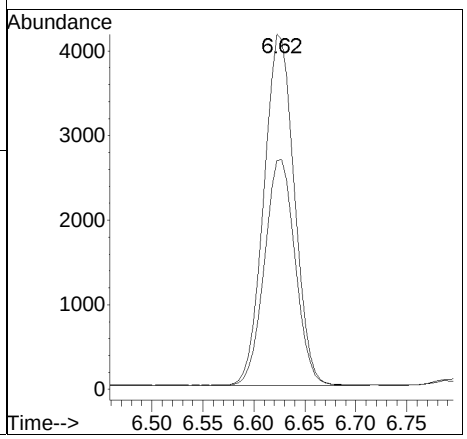


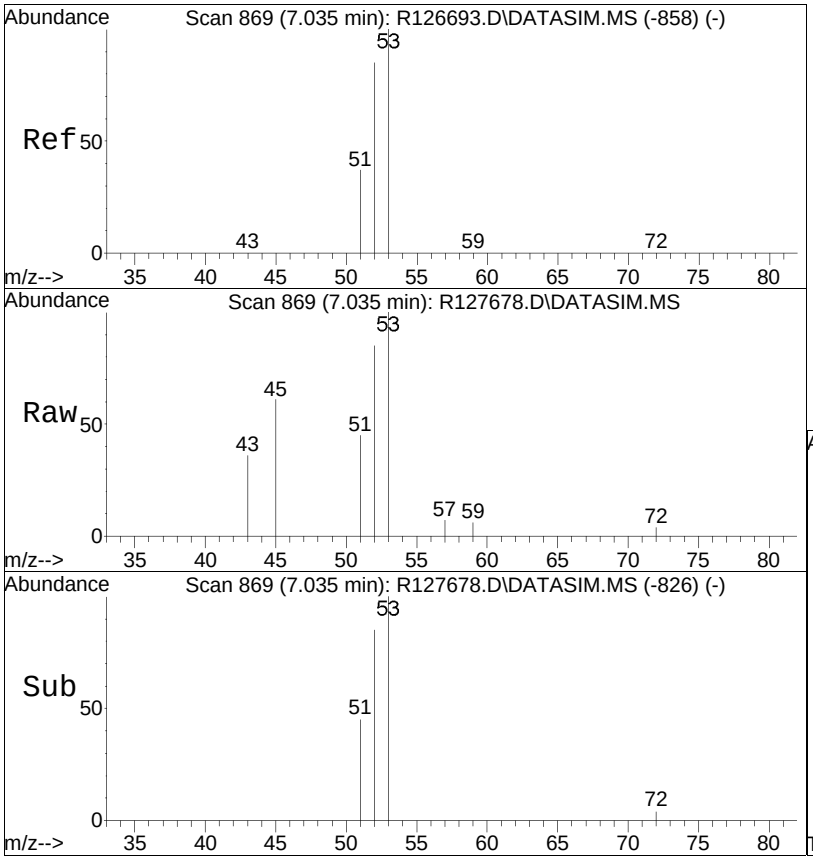


#13
trichlorofluoromethane
Concen: 0.21 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:101 Resp: 8645

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

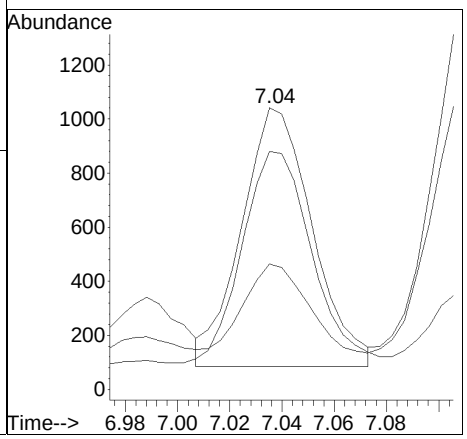


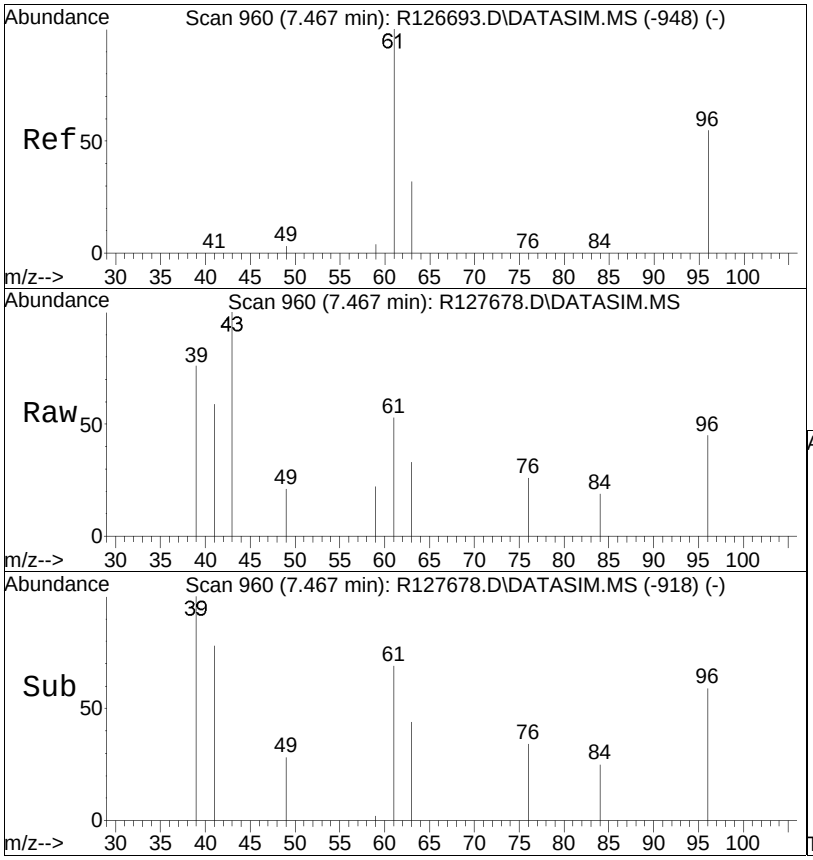


#15
acrylonitrile
Concen: 0.13 ppbV
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 53 Resp: 1798

Ion	Ratio	Lower	Upper
53	100		
52	84.5	68.5	102.7
51	44.6	30.1	45.1

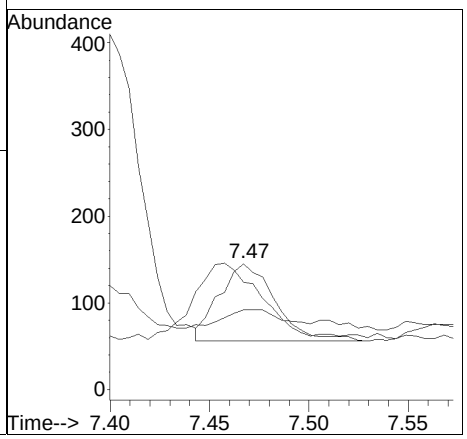


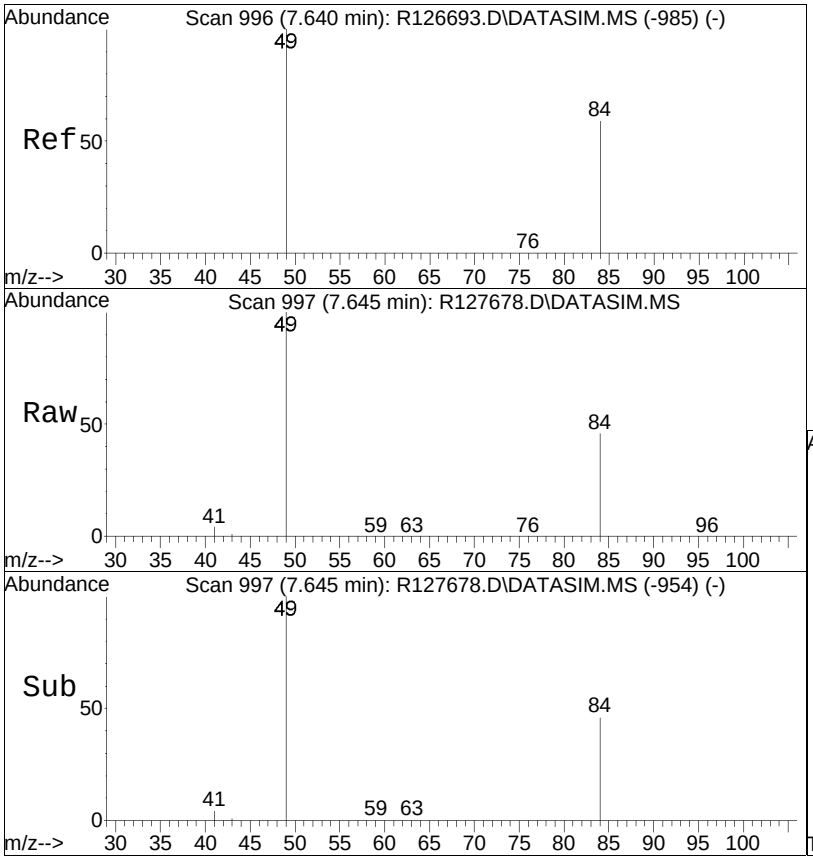


#16
1,1-dichloroethene
Concen: 0.01 ppbV
RT: 7.47 min Scan# 960
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 61 Resp: 174

Ion	Ratio	Lower	Upper
61	100		
96	85.5	39.4	59.2#
63	63.4	24.4	36.6#

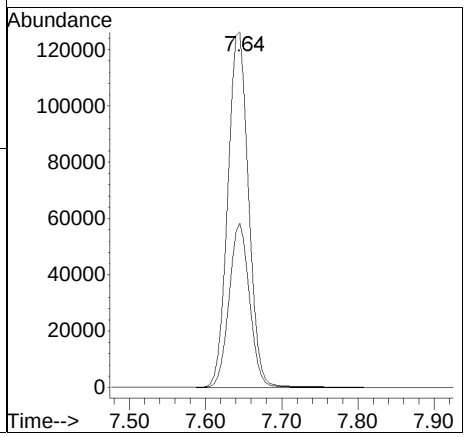


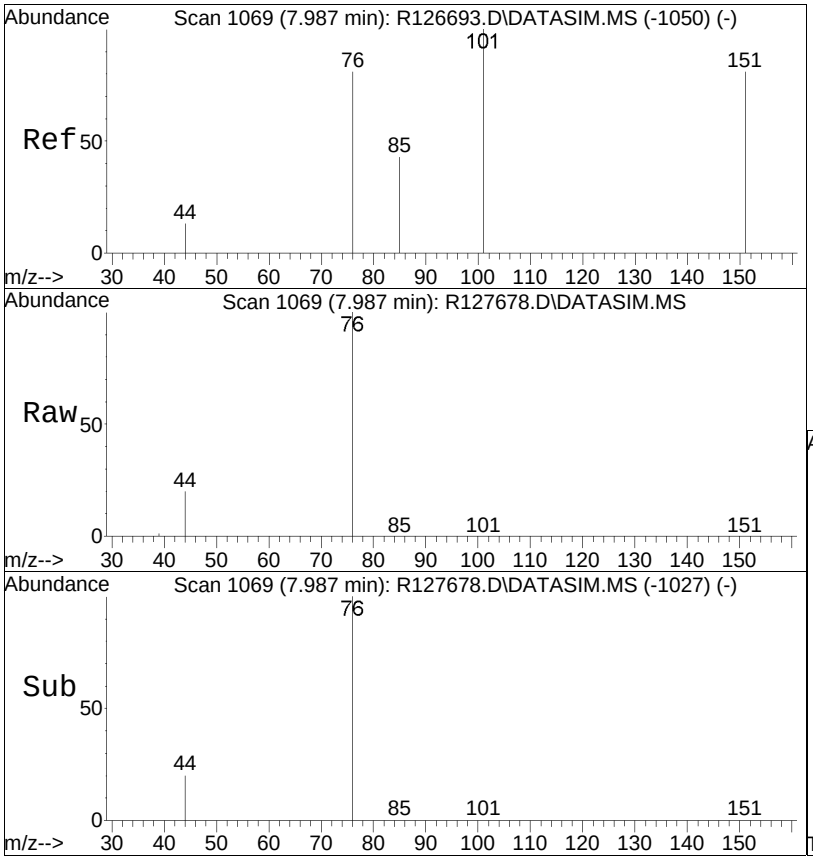


#17
methylene chloride
Concen: 9.79 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 49 Resp: 238805

Ion	Ratio	Lower	Upper
49	100		
84	46.2	37.2	55.8

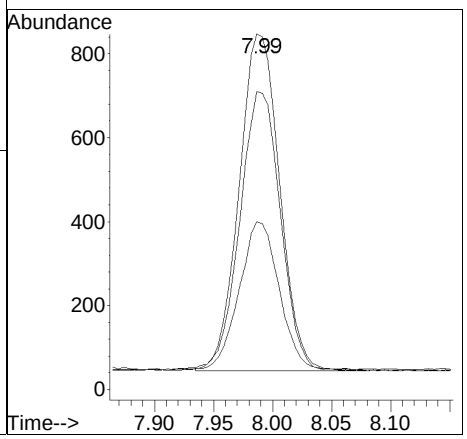


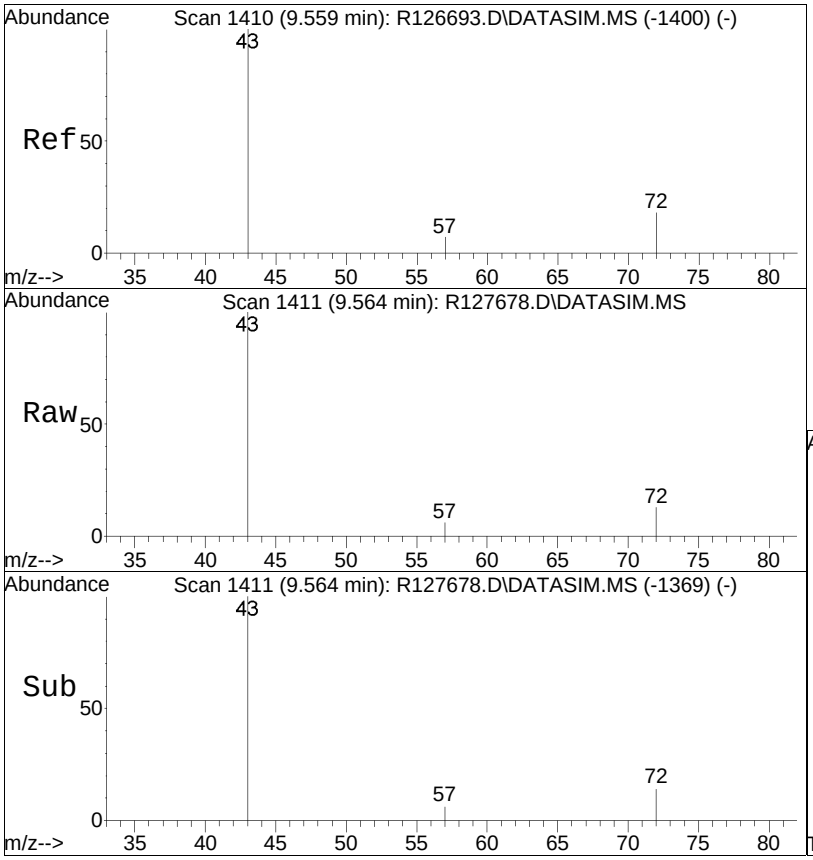


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:101 Resp: 1918

Ion	Ratio	Lower	Upper
101	100		
85	47.2	34.2	51.2
151	83.8	67.8	101.8

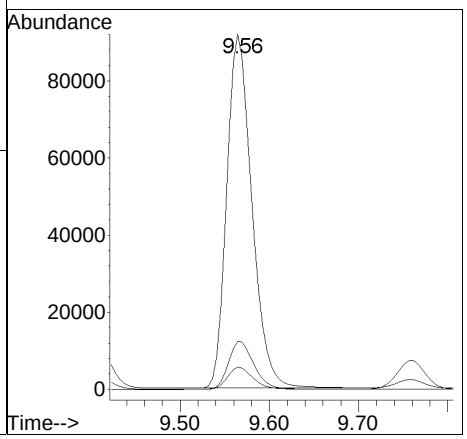


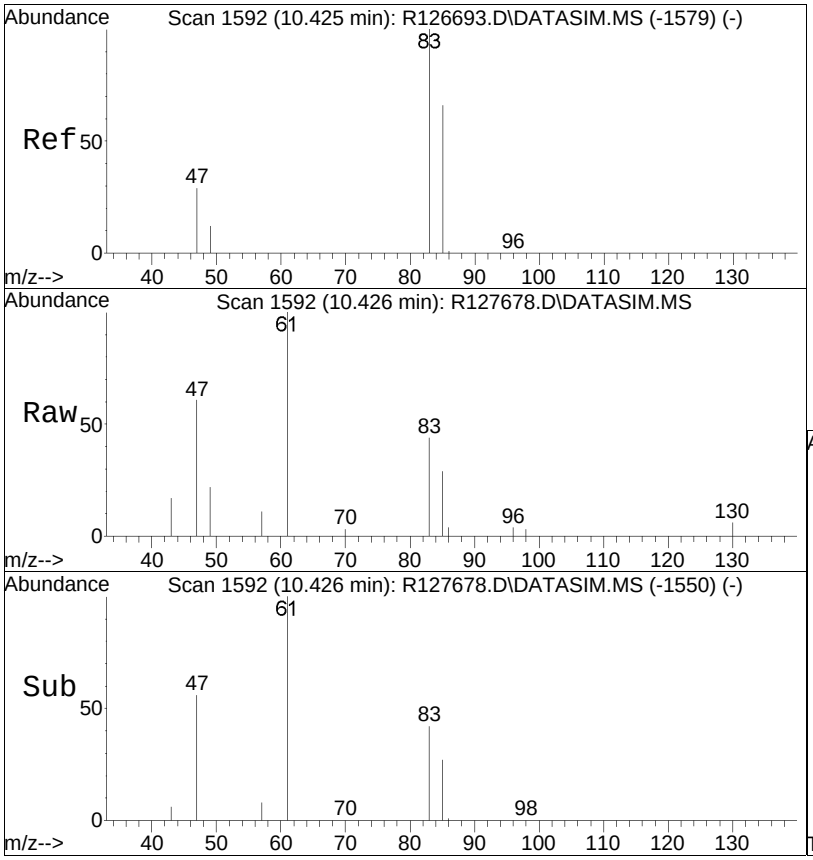


#26
2-butanone
Concen: 3.94 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 43 Resp: 180279

Ion	Ratio	Lower	Upper
43	100		
72	13.5	12.0	18.0
57	6.2	5.2	7.8

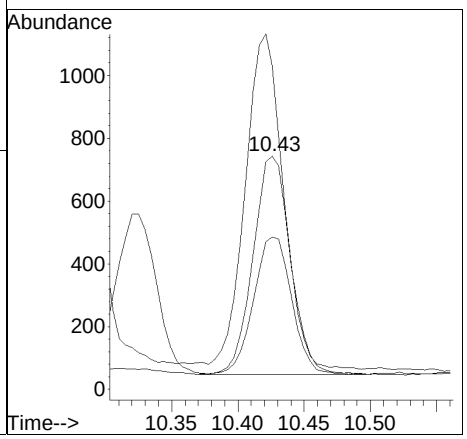


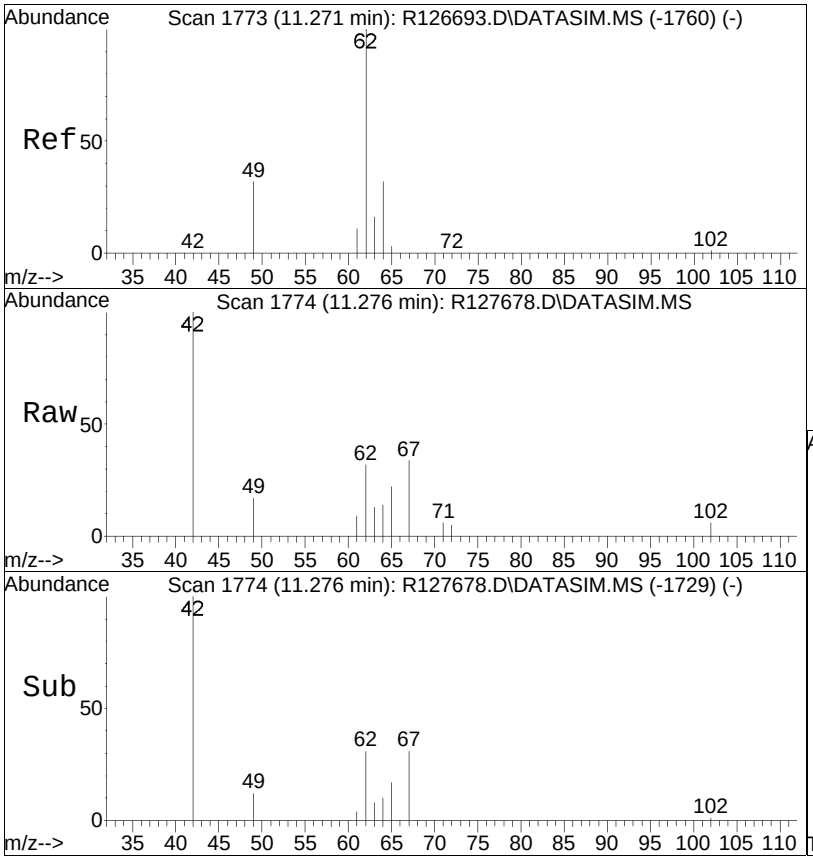


#29
chloroform
Concen: 0.04 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 83 Resp: 1374

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2
47	138.8	26.4	39.6#

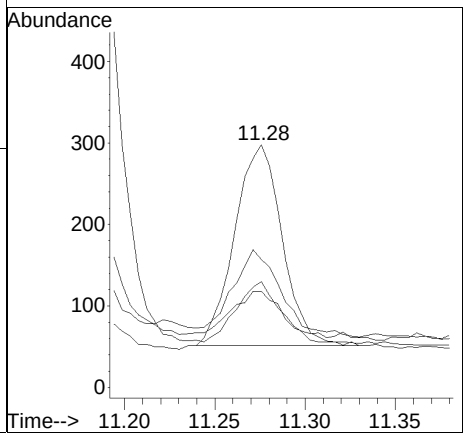


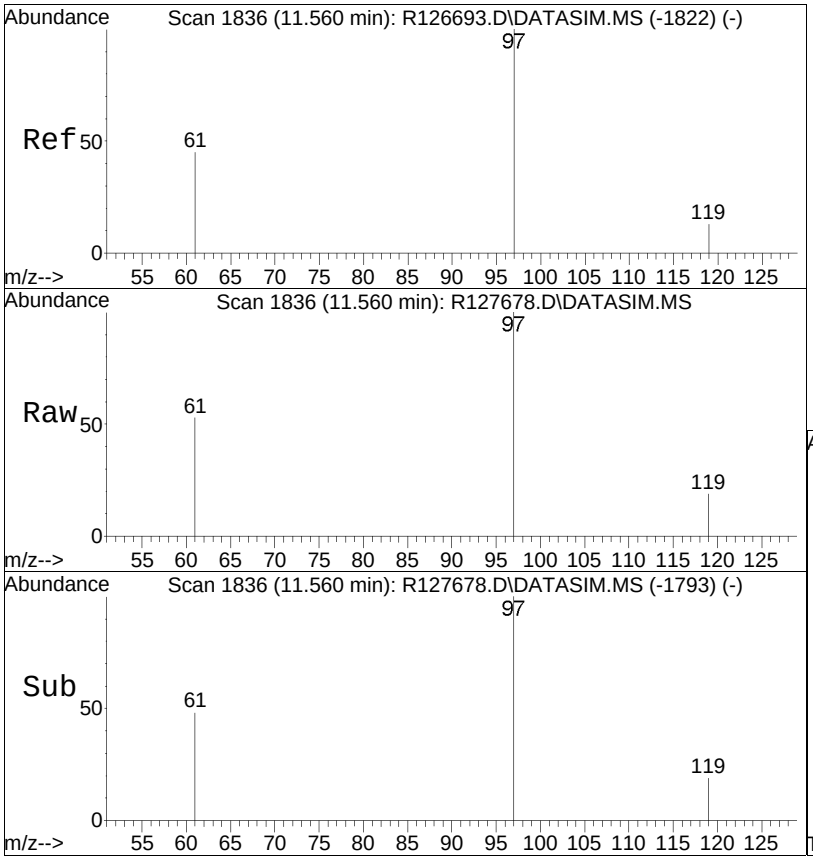


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 62 Resp: 454

Ion	Ratio	Lower	Upper
62	100		
64	43.6	25.0	37.6#
49	52.7	31.2	46.8#
63	39.6	13.3	19.9#

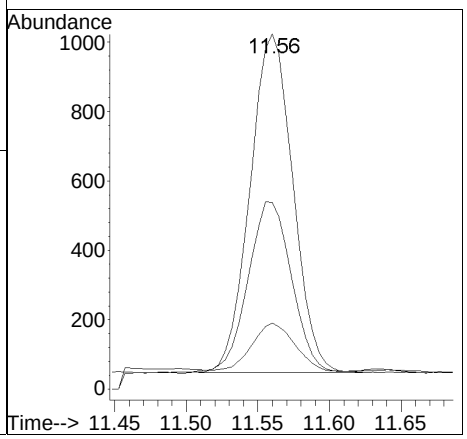


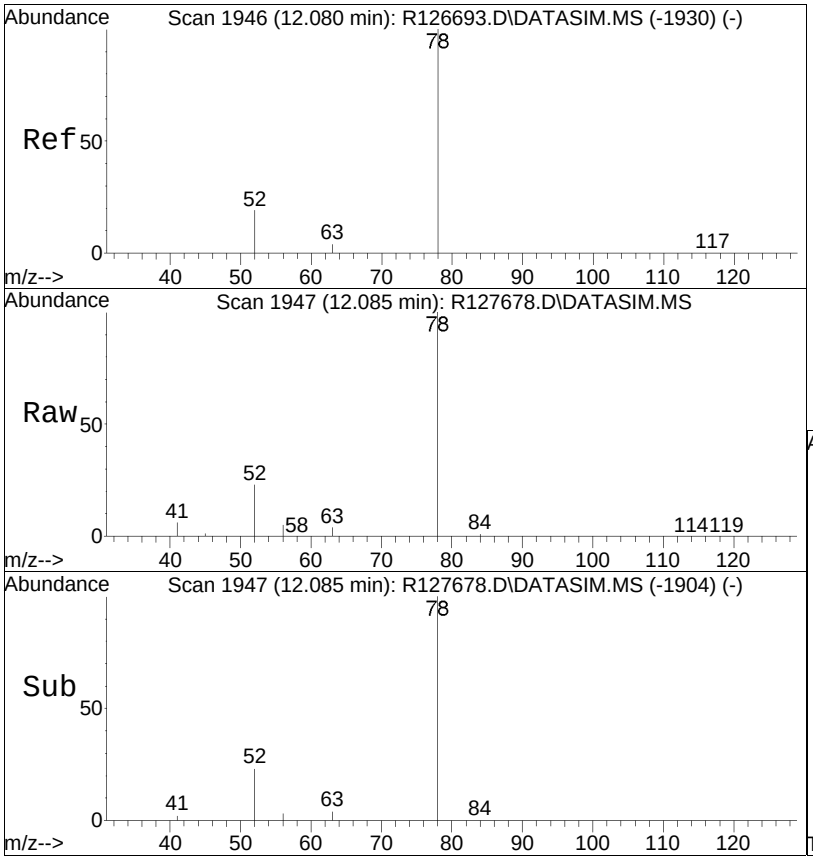


#35
1,1,1-trichloroethane
Concen: 0.07 ppbV m
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 97 Resp: 2034

Ion	Ratio	Lower	Upper
97	100		
61	52.6	38.6	58.0
119	18.7	11.0	16.6#

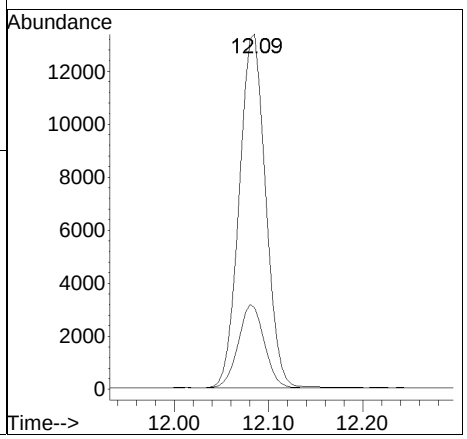


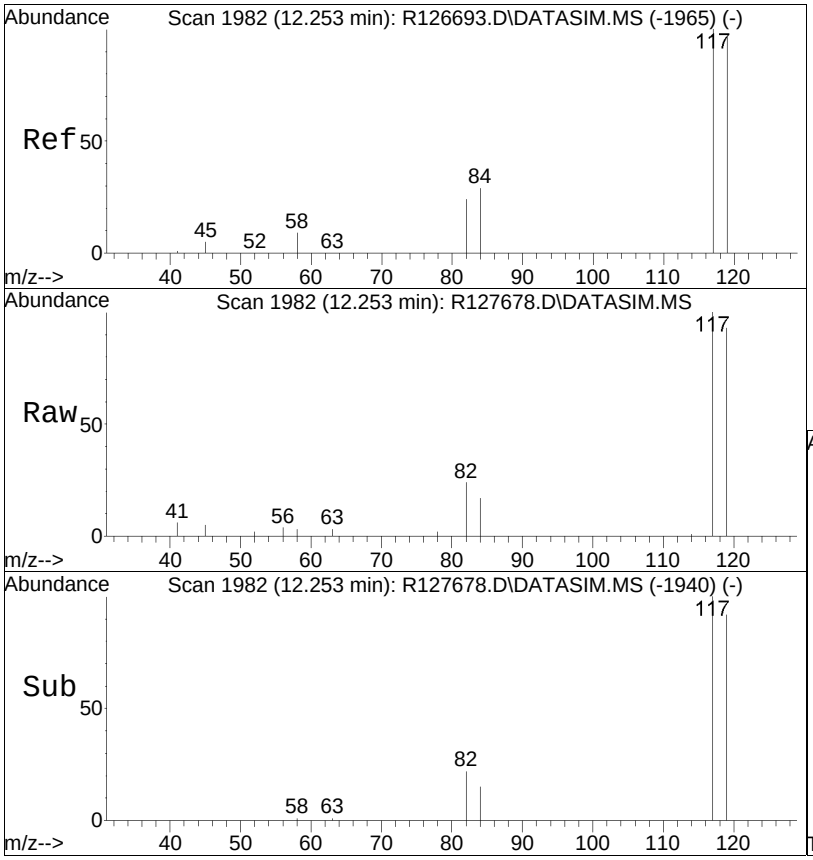


#36
benzene
Concen: 0.59 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 78 Resp: 25937

Ion	Ratio	Lower	Upper
78	100		
52	23.0	18.5	27.7

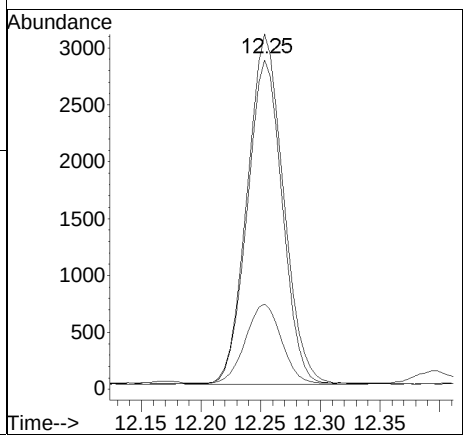


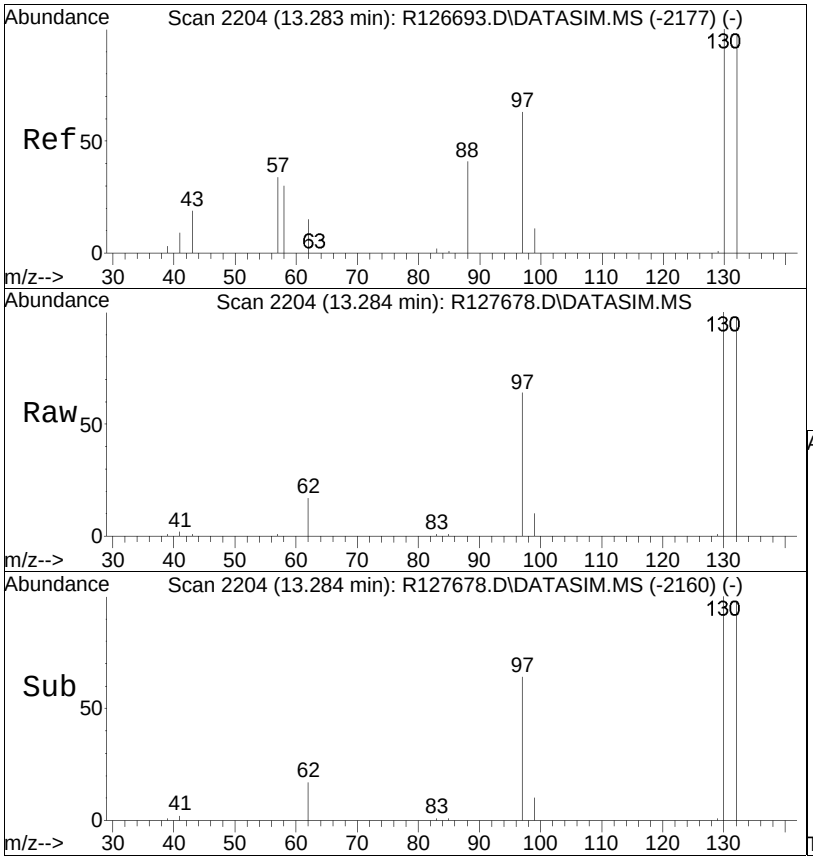


#37
carbon tetrachloride
Concen: 0.20 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:117 Resp: 6498

Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.4	116.0
82	24.1	18.2	27.2

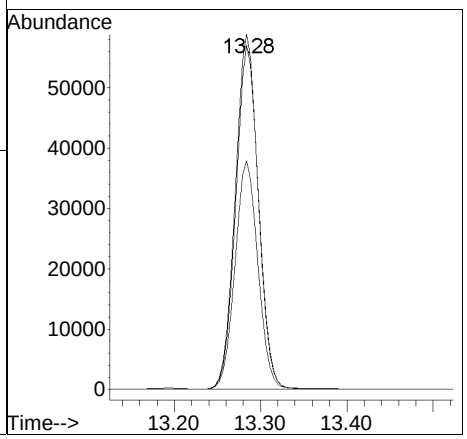


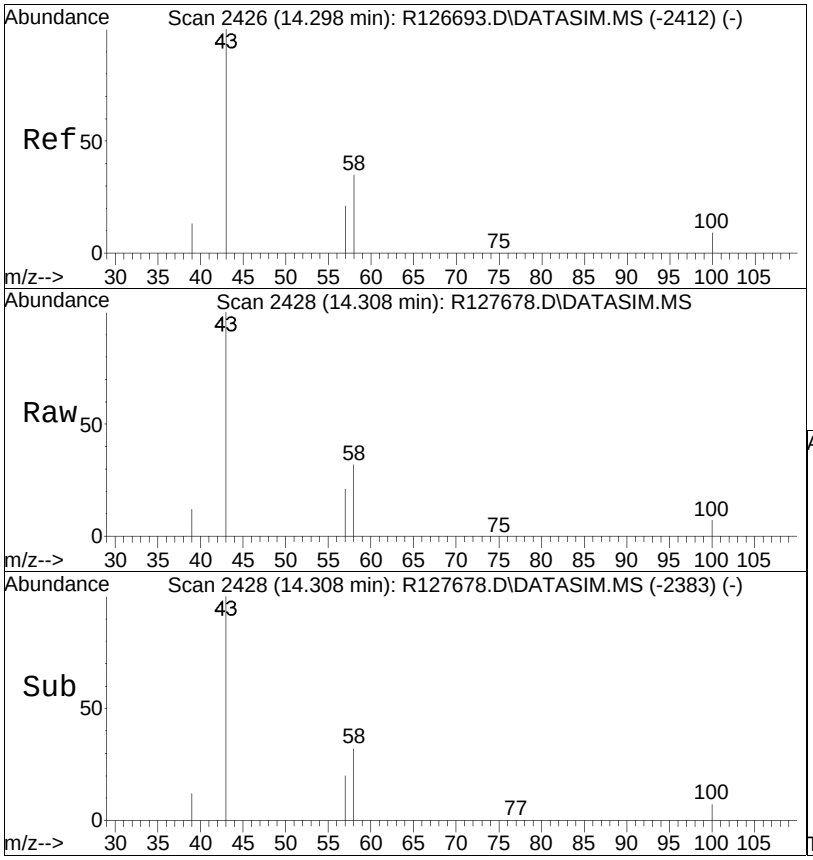


#42
trichloroethene
Concen: 5.09 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:130 Resp: 108713

Ion	Ratio	Lower	Upper
130	100		
132	96.9	77.3	115.9
97	64.4	50.6	75.8

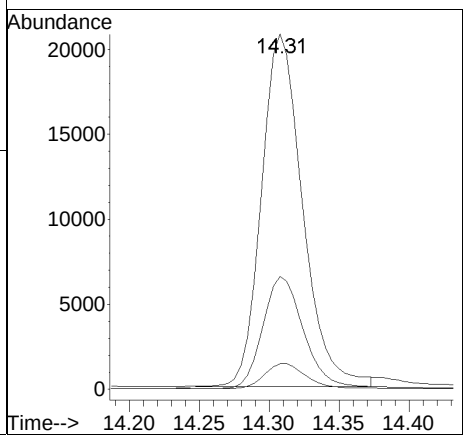


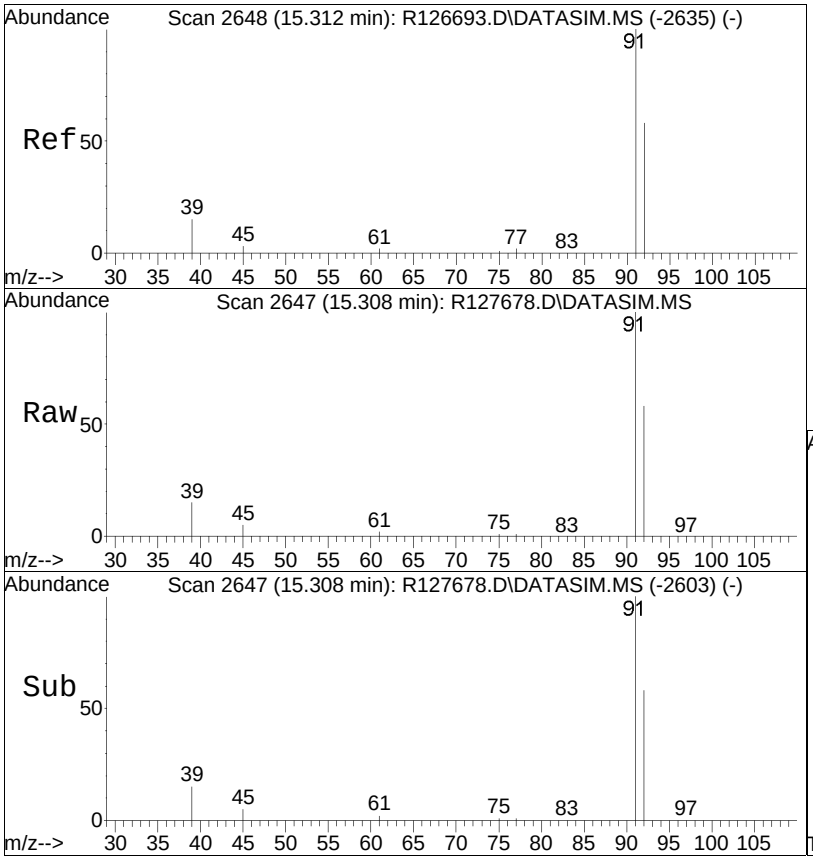


#46
4-methyl-2-pentanone
Concen: 0.86 ppbV m
RT: 14.31 min Scan# 2428
Delta R.T. 0.009 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 43 Resp: 42569

Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0
100	7.2	5.8	8.6

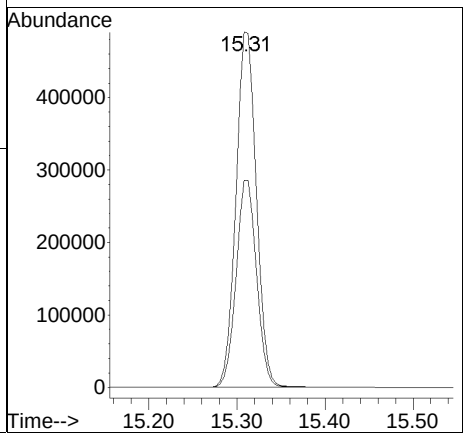


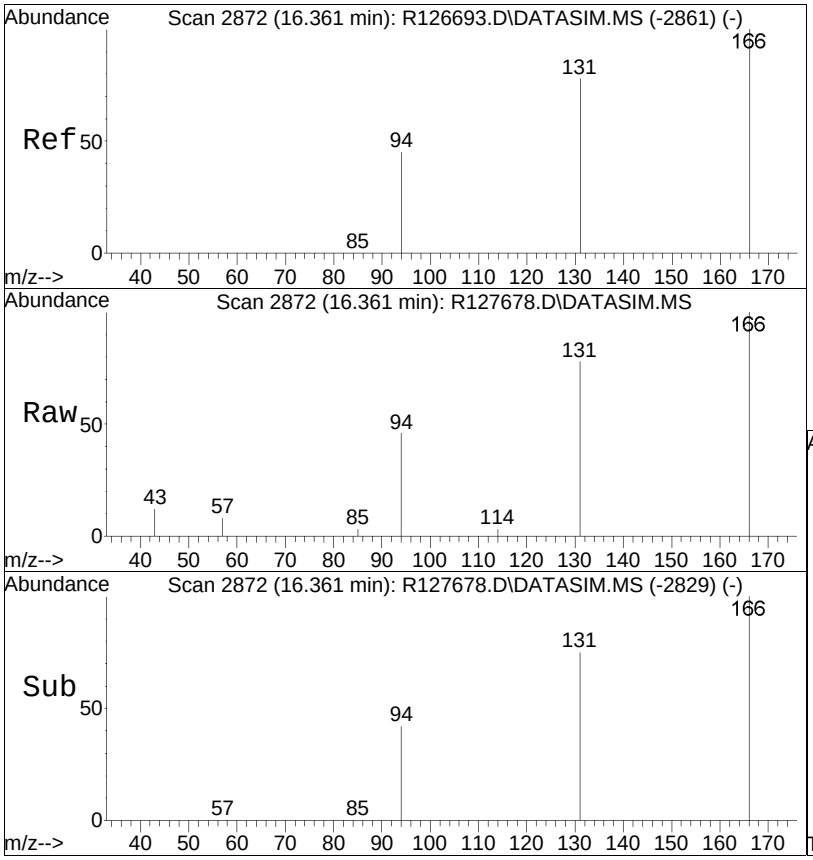


#50
toluene
Concen: 14.14 ppbV m
RT: 15.31 min Scan# 2647
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 91 Resp: 789545

Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.4	69.6

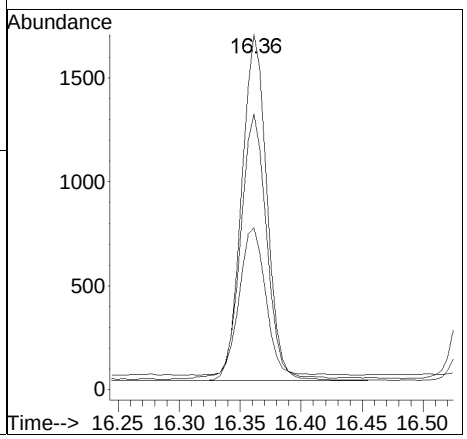


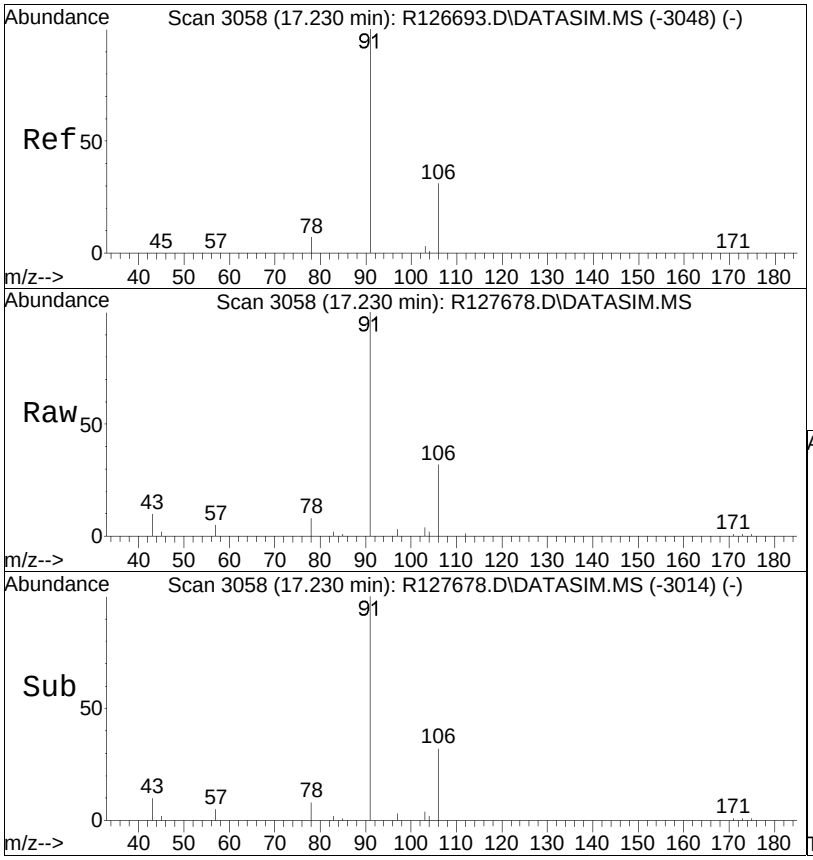


#55
tetrachloroethene
Concen: 0.08 ppbV m
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:166 Resp: 2393

Ion	Ratio	Lower	Upper
166	100		
131	77.6	60.6	90.8
94	45.5	32.2	48.2

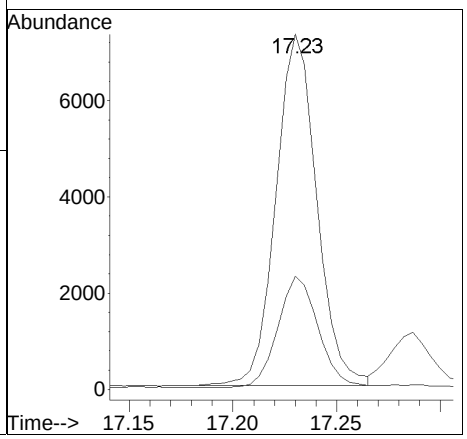


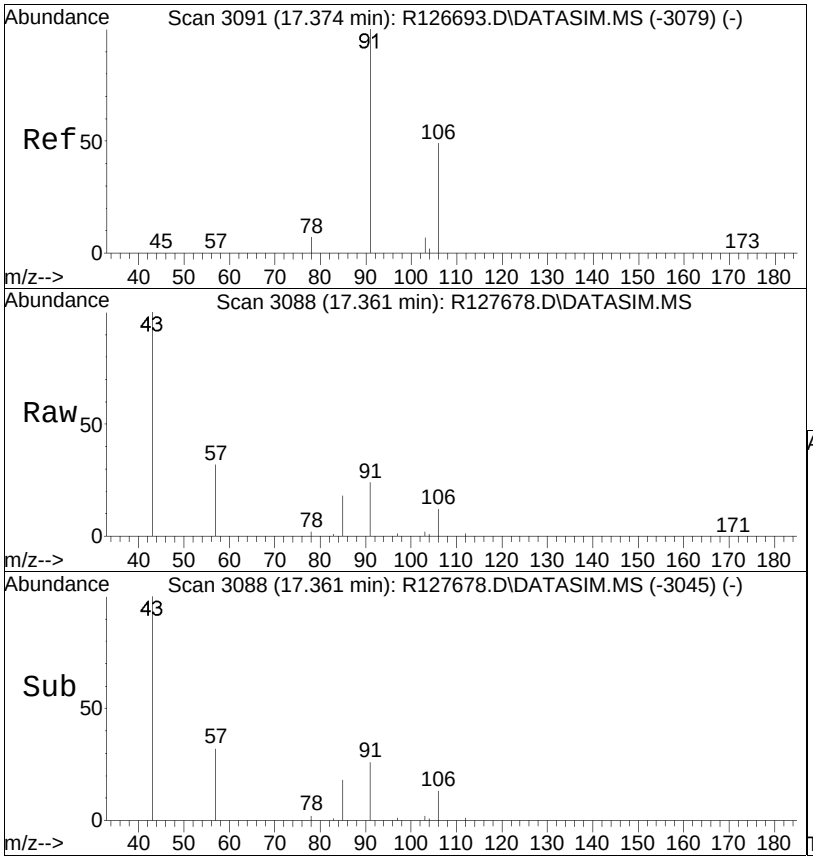


#58
ethylbenzene
Concen: 0.14 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 91 Resp: 9991

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.3	37.9

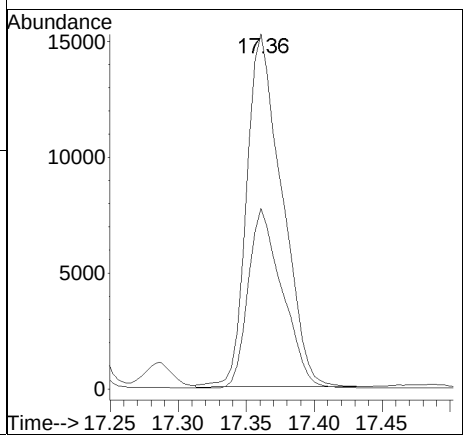


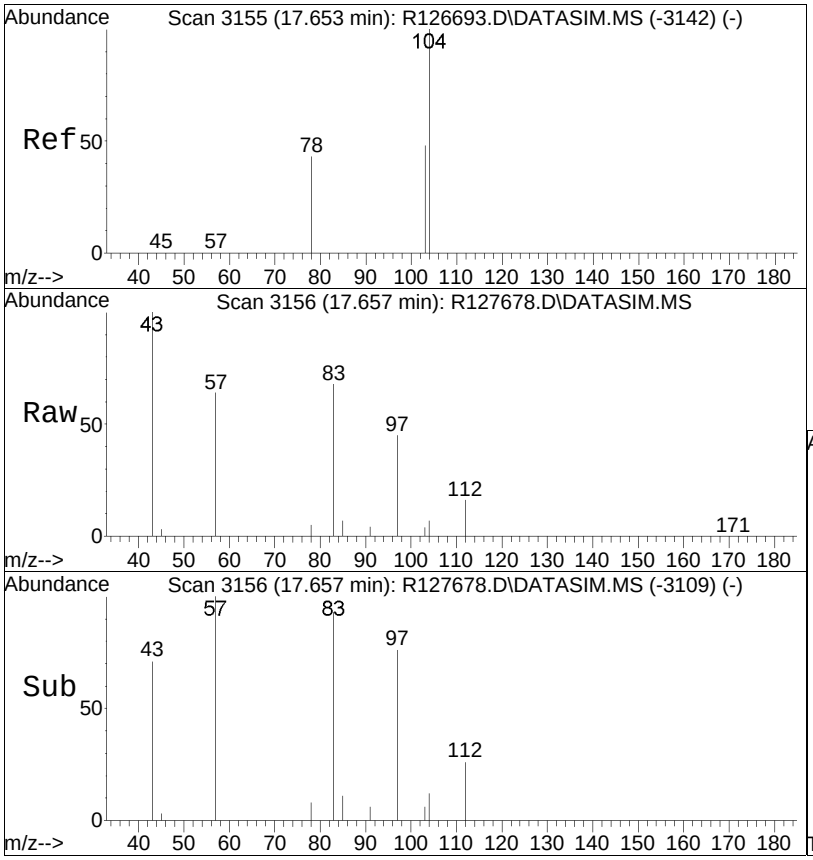


#59
m+p-xylene
Concen: 0.49 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 91 Resp: 27498

Ion	Ratio	Lower	Upper
91	100		
106	50.9	40.0	60.0

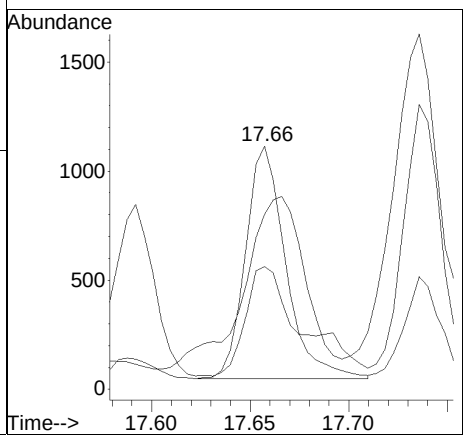


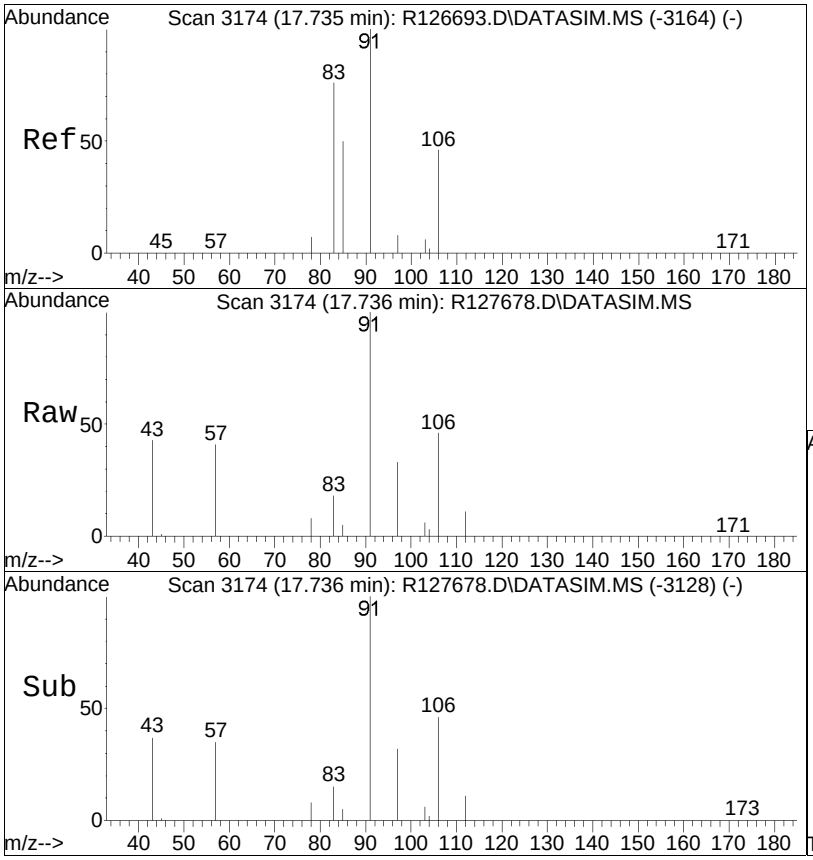


#61
styrene
Concen: 0.04 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:104 Resp: 1514

Ion	Ratio	Lower	Upper
104	100		
103	50.5	38.3	57.5
78	71.9	35.0	52.6#

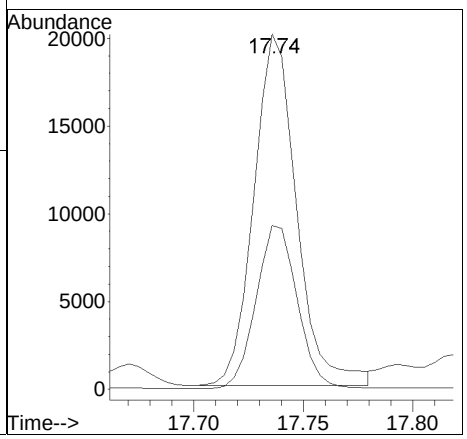


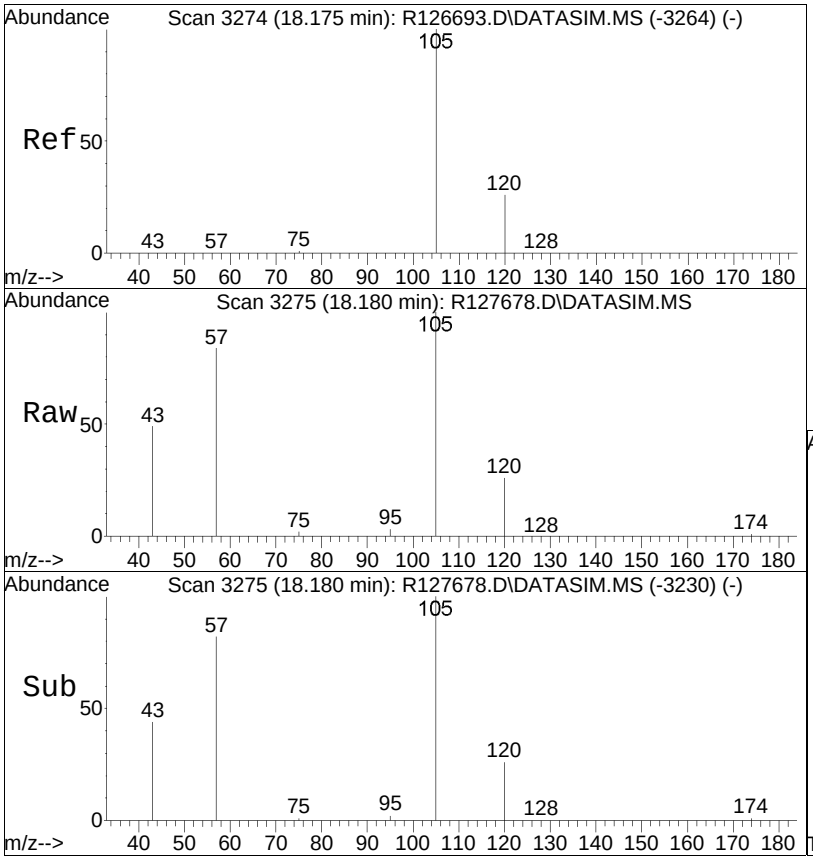


#63
o-xylene
Concen: 0.47 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion: 91 Resp: 27233

Ion	Ratio	Lower	Upper
91	100		
106	46.1	37.1	55.7

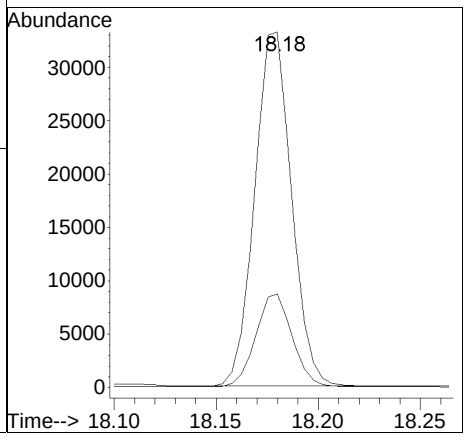


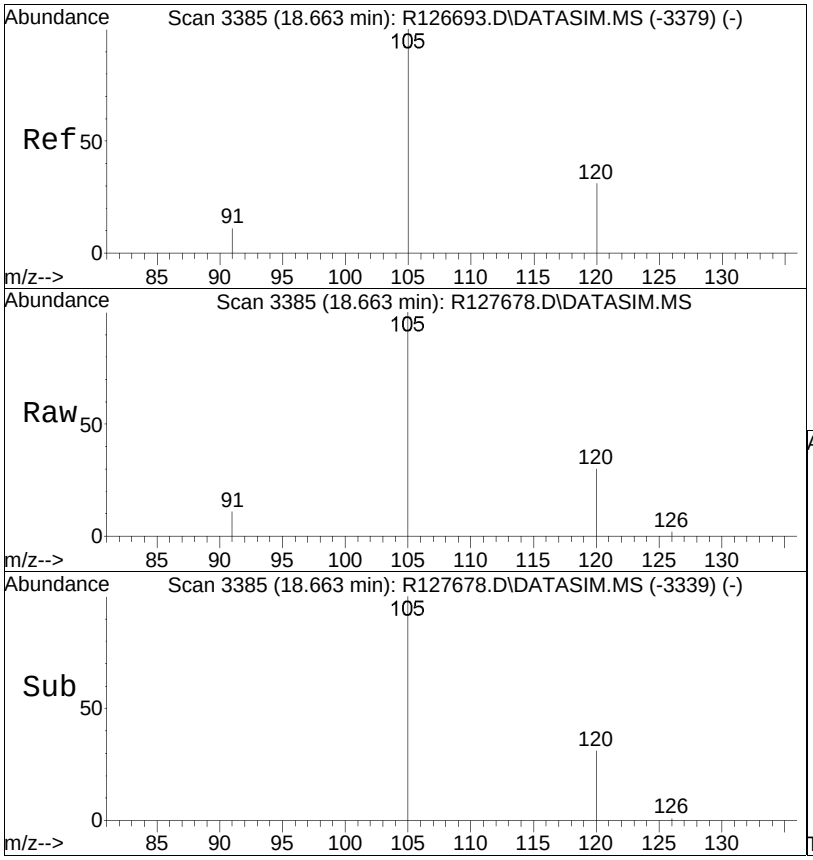


#65
isopropylbenzene
Concen: 0.49 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:105 Resp: 41602

Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.7	31.1

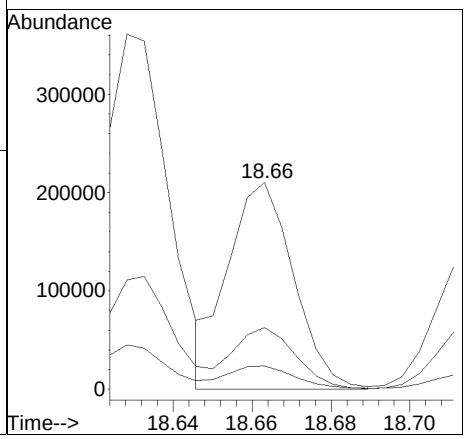


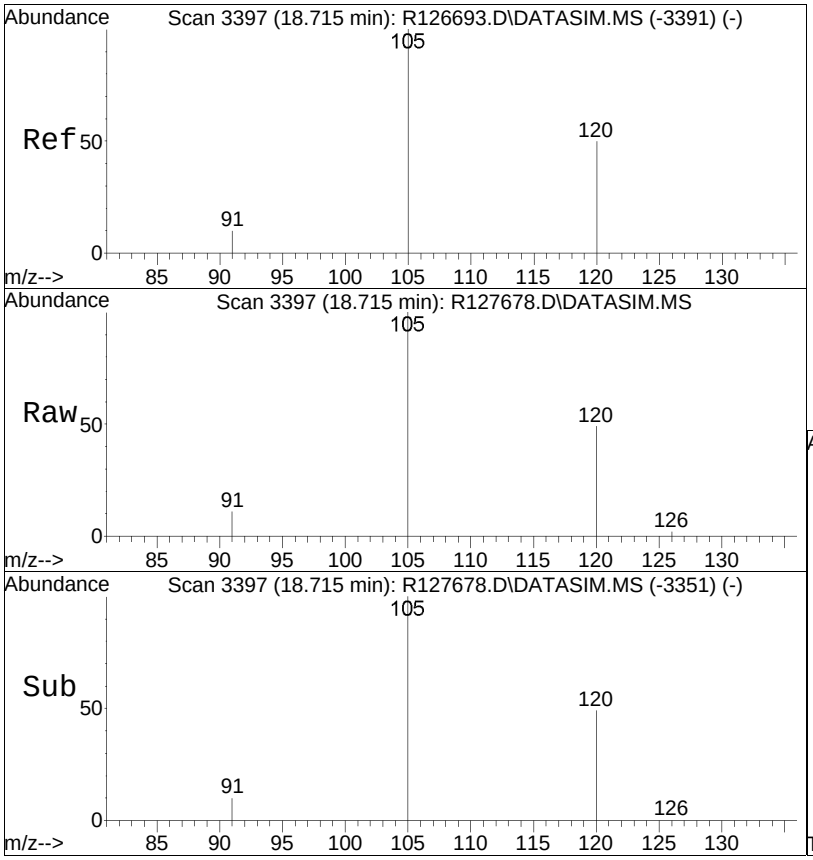


#66
4-ethyl toluene
Concen: 2.89 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:105 Resp: 243764

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.7	35.5
91	11.3	8.5	12.7

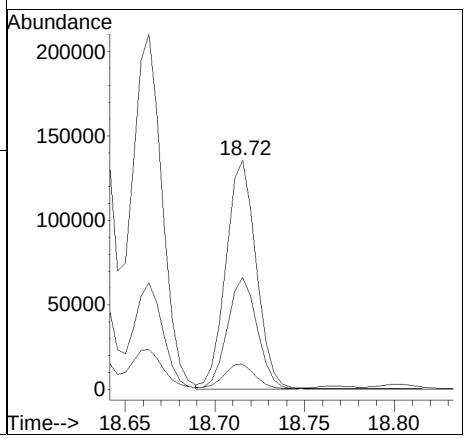


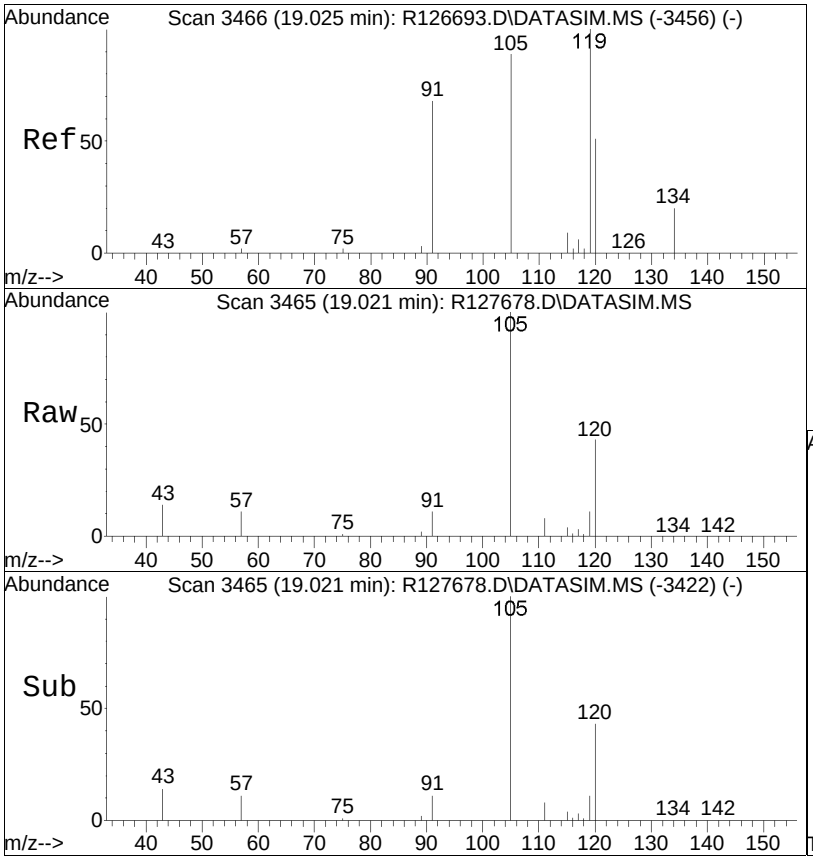


#67
1,3,5-trimethylbenzene
Concen: 2.30 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:105 Resp: 158891

Ion	Ratio	Lower	Upper
105	100		
120	48.9	39.0	58.4
91	11.0	8.0	12.0

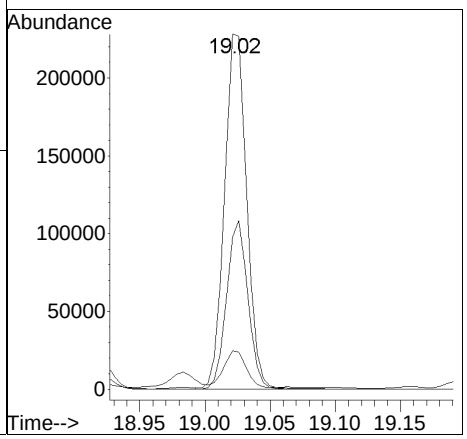


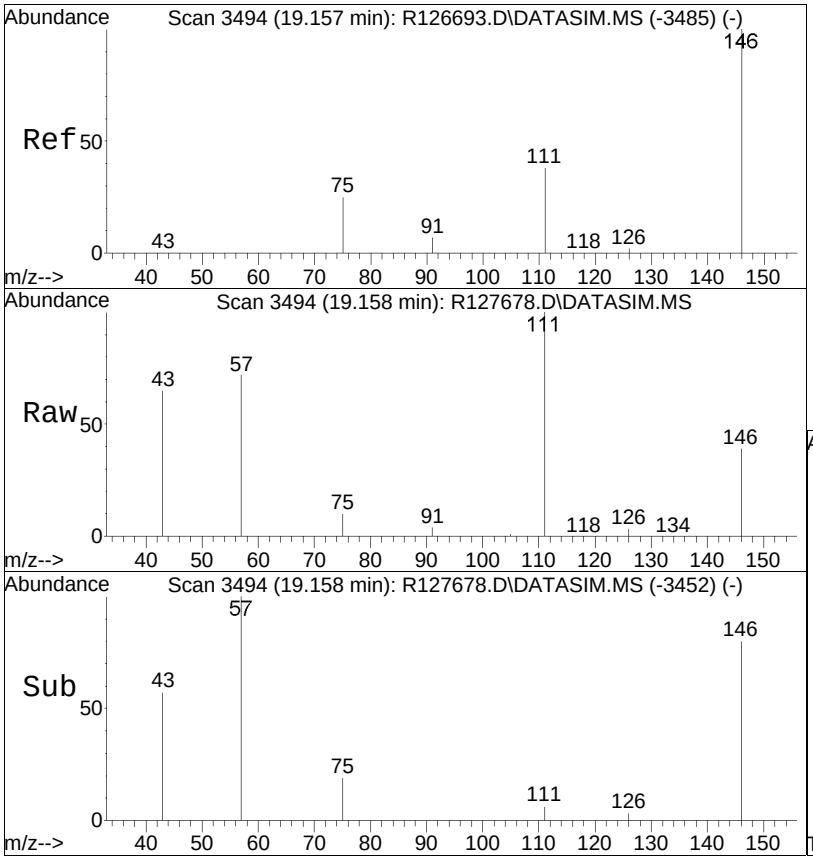


#69
1,2,4-trimethylbenzene
Concen: 3.90 ppbV
RT: 19.02 min Scan# 3465
Delta R.T. -0.005 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:105 Resp: 270348

Ion	Ratio	Lower	Upper
105	100		
120	42.9	44.9	67.3#
91	10.9	58.6	88.0#

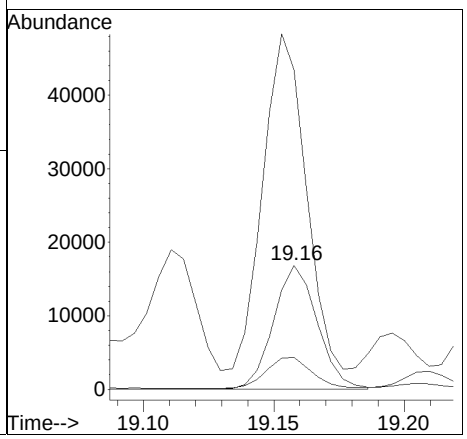


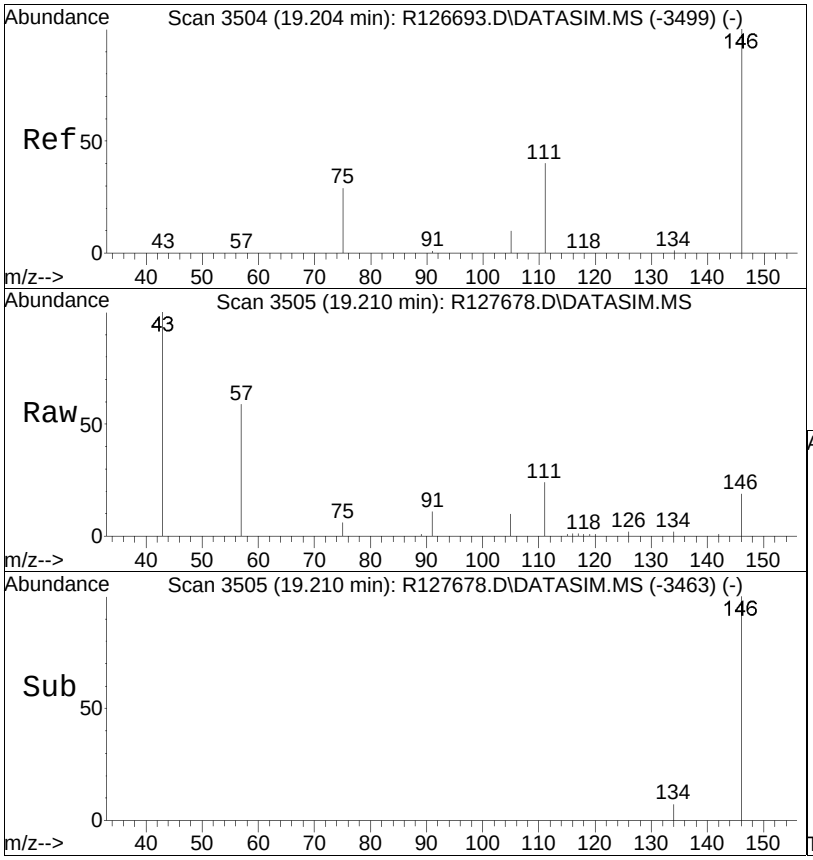


#71
1,3-dichlorobenzene
Concen: 0.37 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:146 Resp: 19623

Ion	Ratio	Lower	Upper
146	100		
111	257.9	29.5	44.3#
75	25.9	19.5	29.3

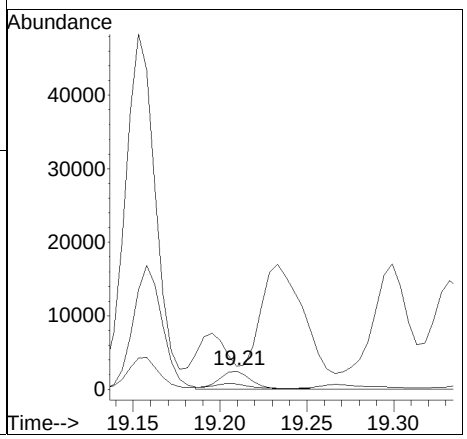


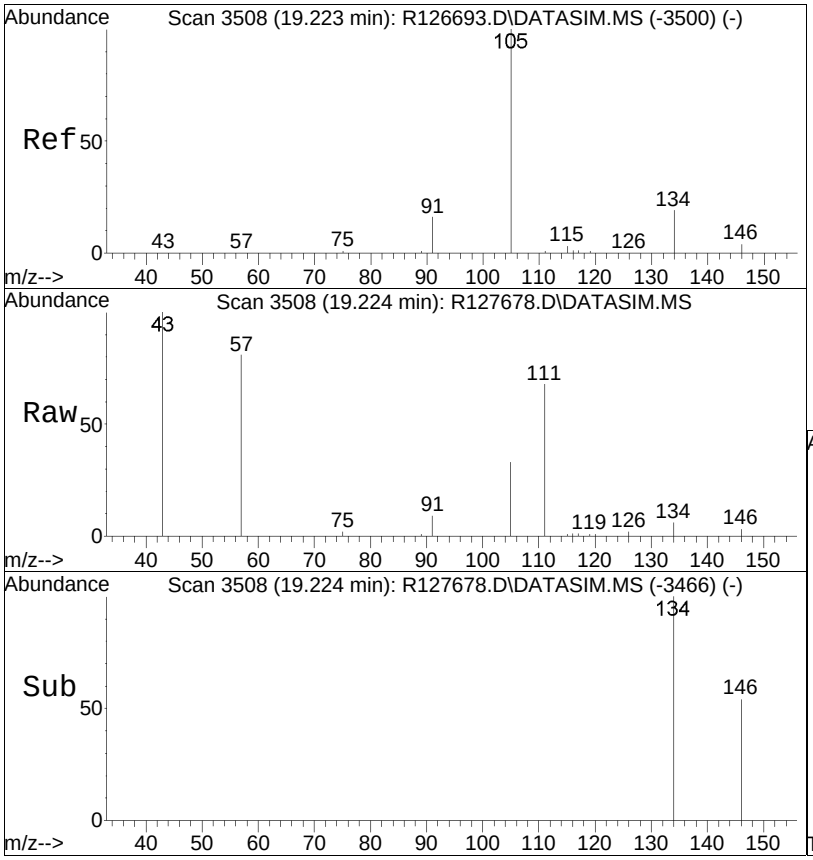


#72
1,4-dichlorobenzene
Concen: 0.06 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:146 Resp: 3122

Ion	Ratio	Lower	Upper
146	100		
111	127.1	26.4	39.6#
75	29.8	18.0	27.0#

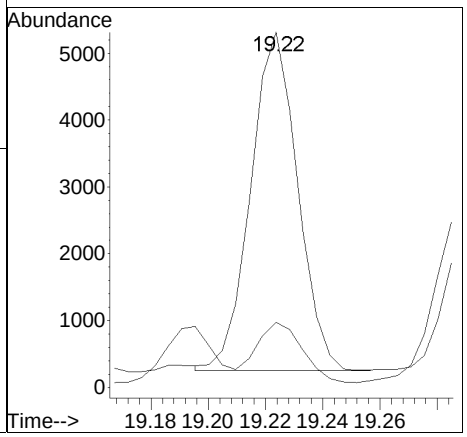


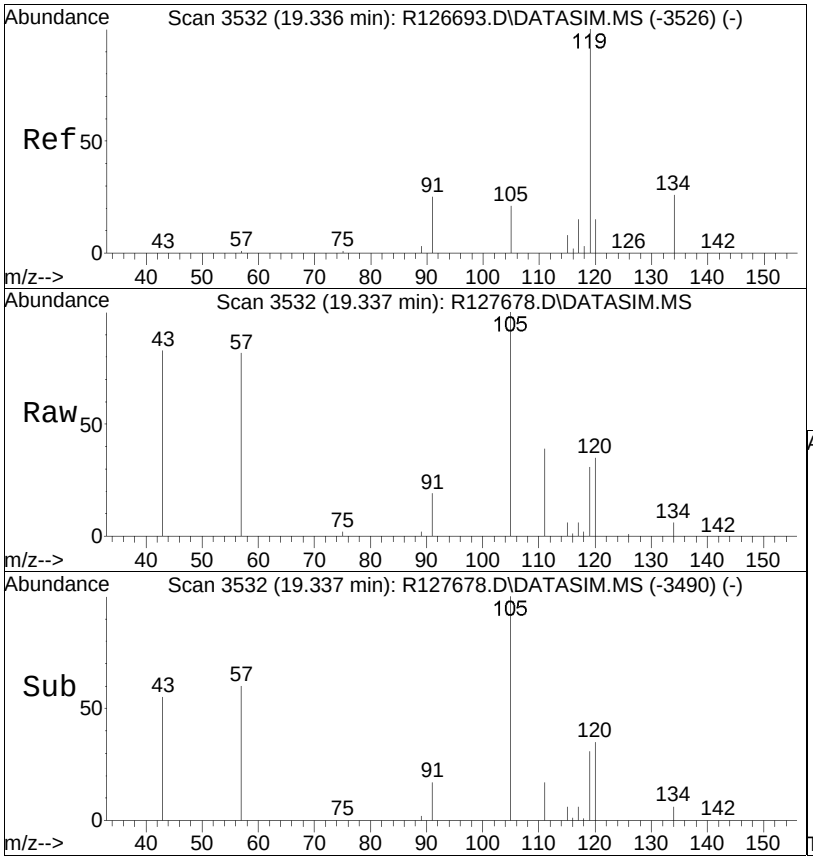


#73
sec-butylbenzene
Concen: 0.05 ppbV m
RT: 19.22 min Scan# 3508
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:105 Resp: 5775

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.3	21.5

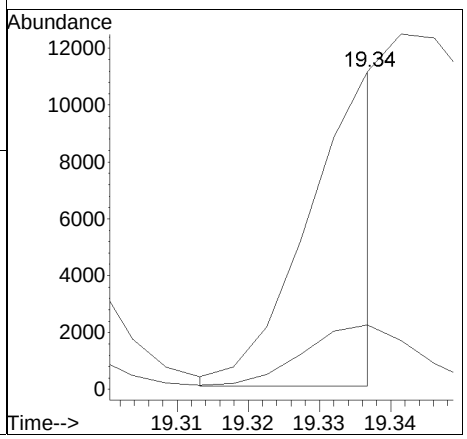


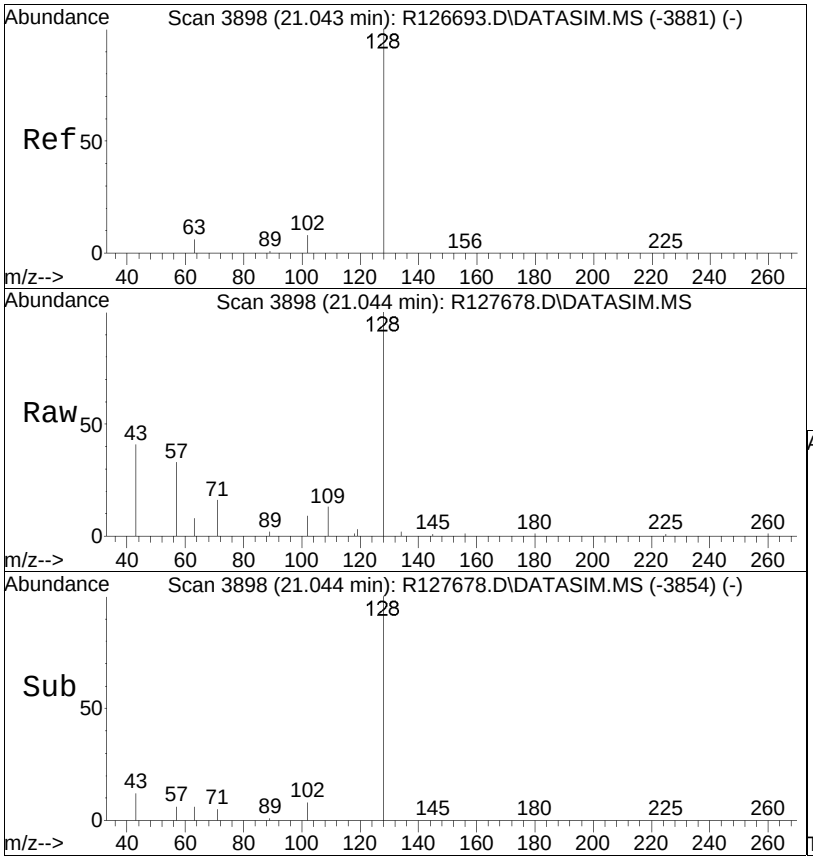


#74
p-isopropyltoluene
Concen: 0.08 ppbV m
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:119 Resp: 7803

Ion	Ratio	Lower	Upper
119	100		
134	20.3	20.4	30.6#

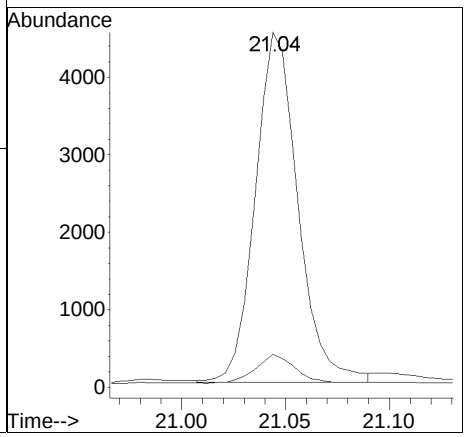




#78
naphthalene
Concen: 0.06 ppbV m
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127678.D
Acq: 15 Apr 2013 11:28 pm

Tgt Ion:128 Resp: 6456

Ion	Ratio	Lower	Upper
128	100		
102	9.3	6.2	9.2#

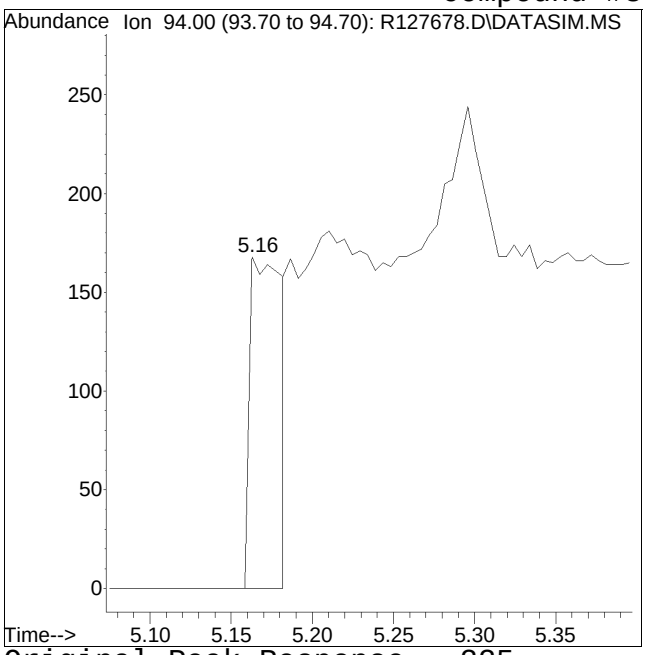


Manual Integration/Negative Proof Report

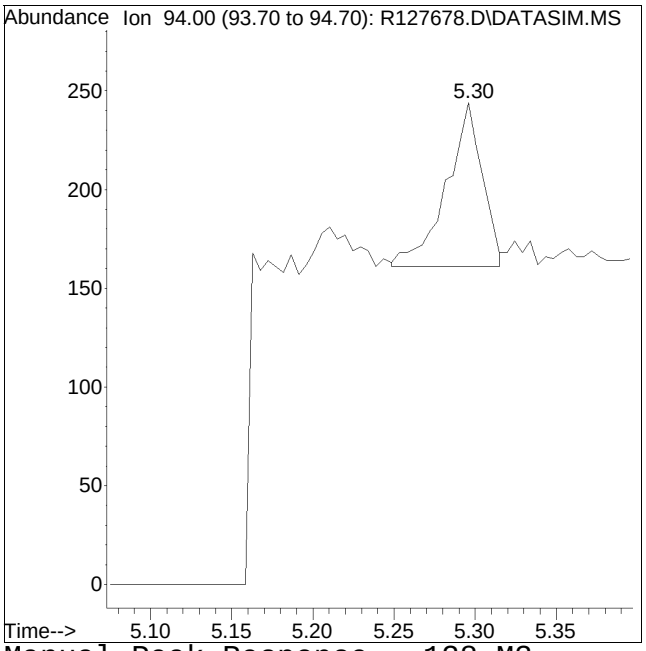
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #8: bromomethane



Original Peak Response = 225



Manual Peak Response = 128 M3

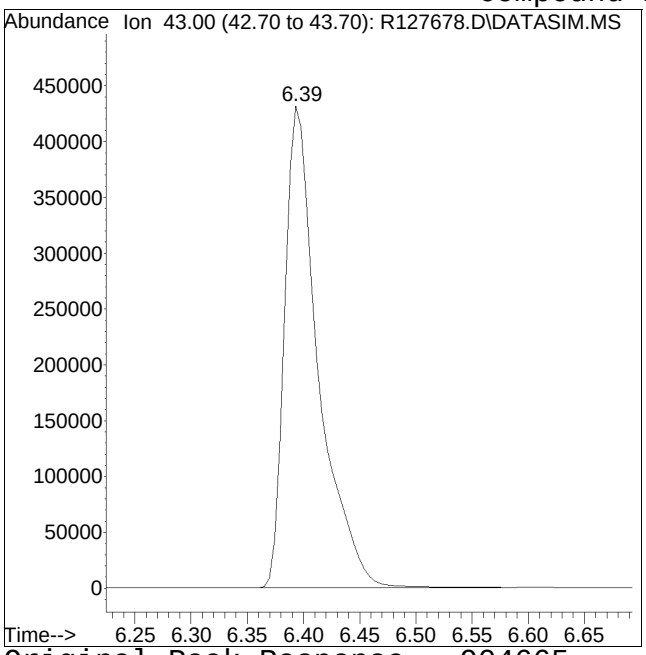
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

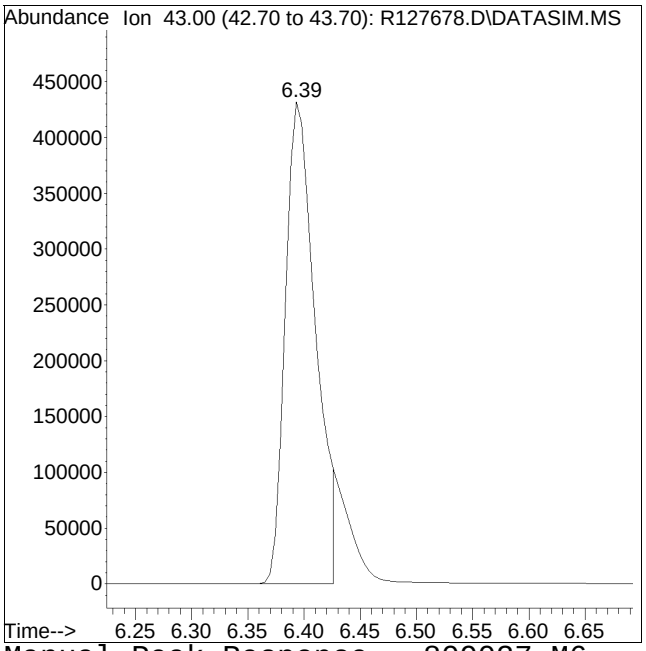
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #12: acetone



Original Peak Response = 904665



Manual Peak Response = 809037 M6

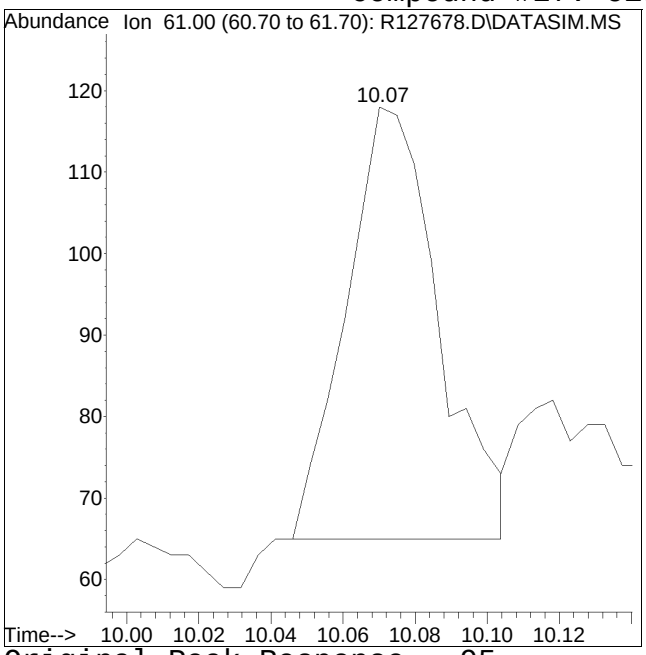
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

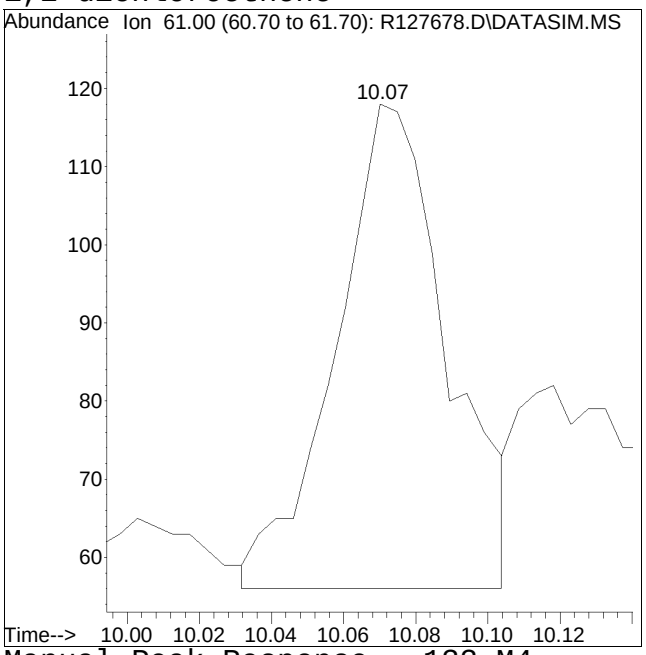
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #27: cis-1,2-dichloroethene



Original Peak Response = 95



Manual Peak Response = 133 M4

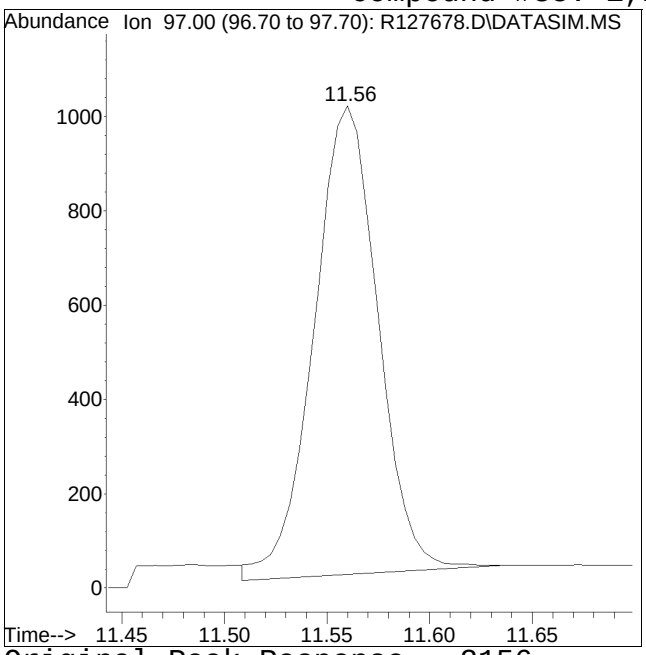
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

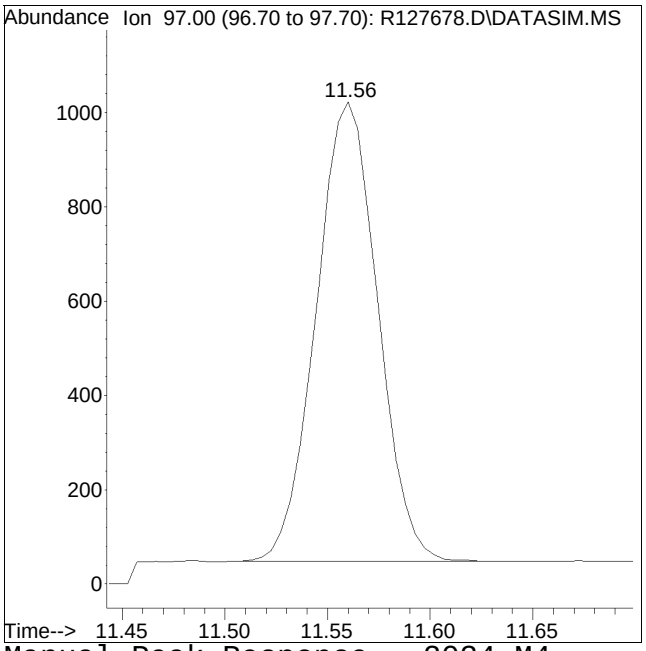
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 2156



Manual Peak Response = 2034 M4

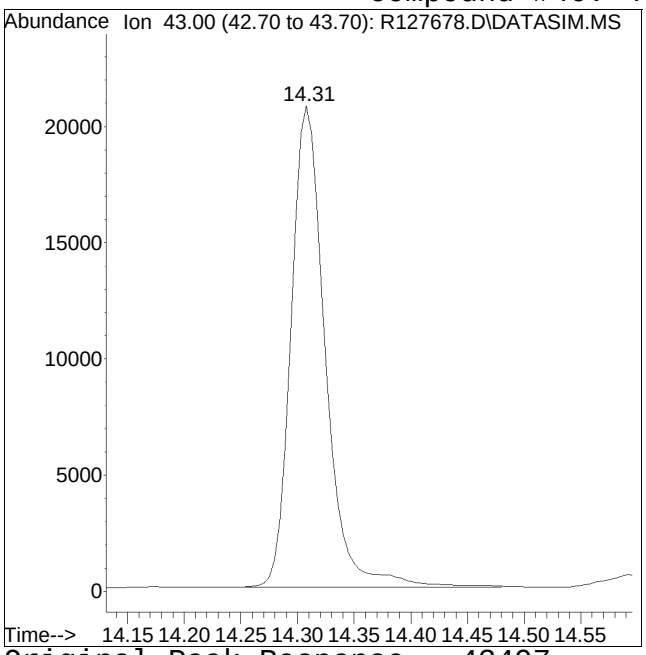
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

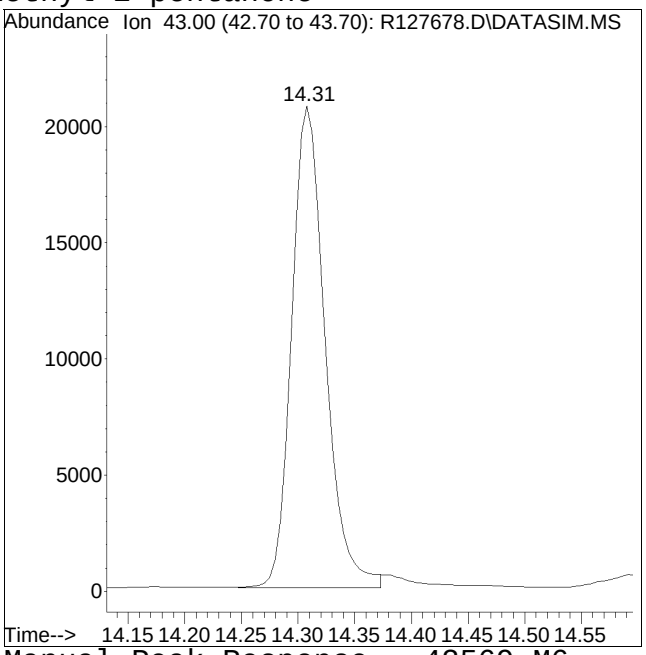
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 43497



Manual Peak Response = 42569 M6

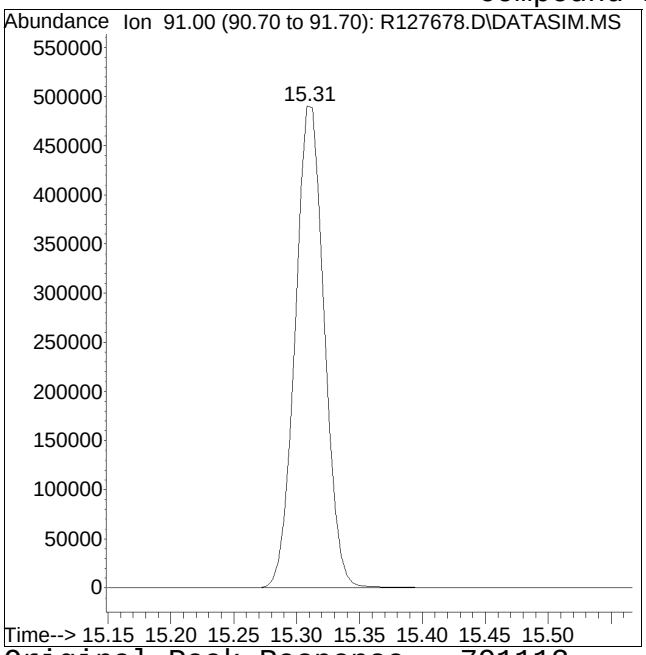
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

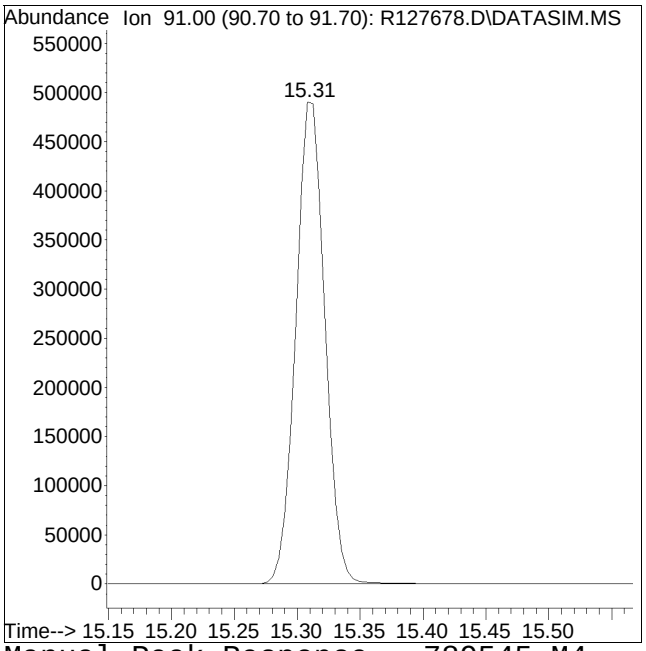
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #50: toluene



Original Peak Response = 791112



Manual Peak Response = 789545 M4

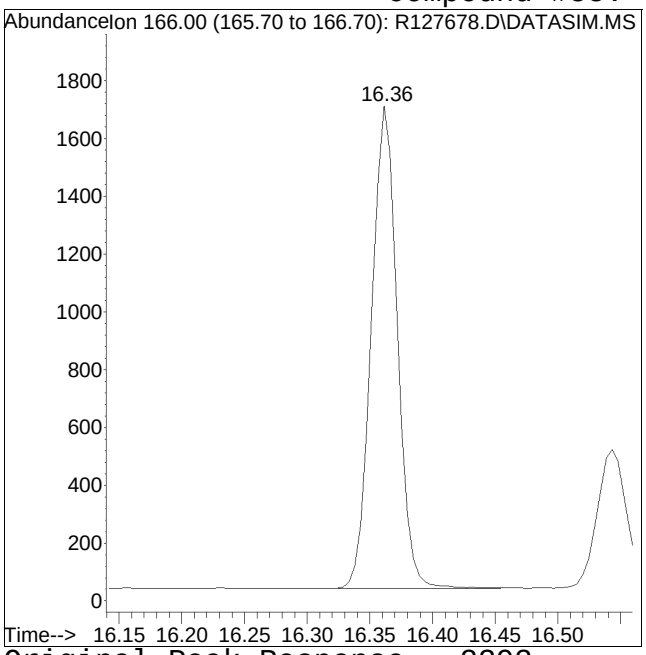
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

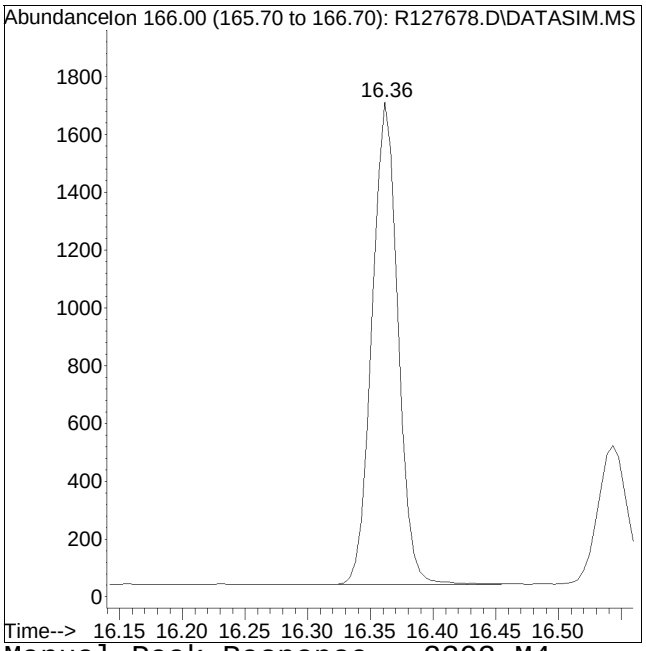
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #55: tetrachloroethene



Original Peak Response = 2393



Manual Peak Response = 2393 M4

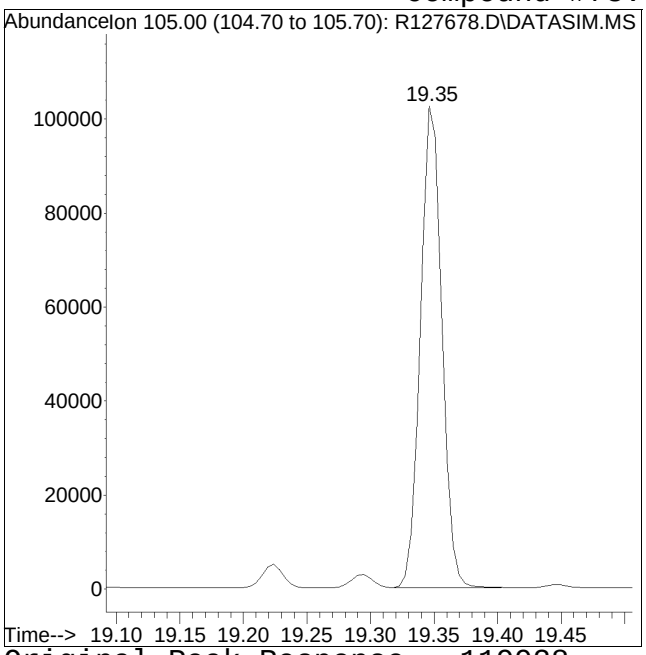
M4 = Poor automated baseline construction.

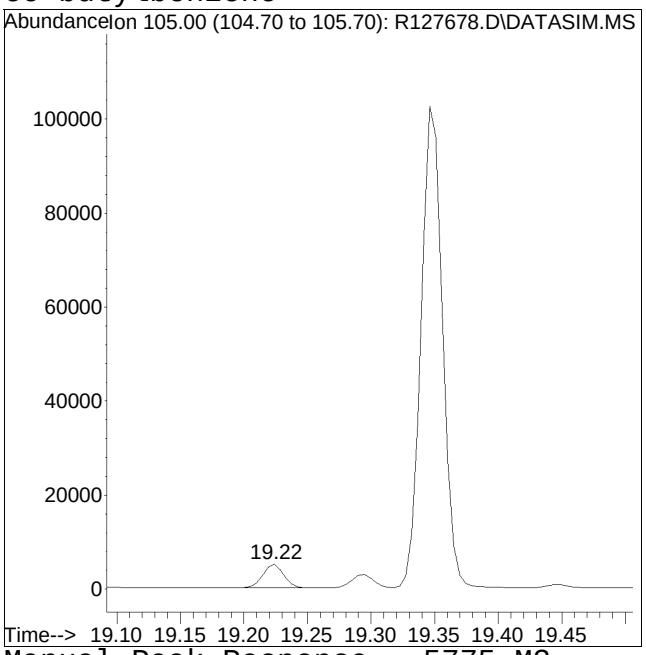
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #73: sec-butylbenzene





Original Peak Response = 119928 Manual Peak Response = 5775 M3

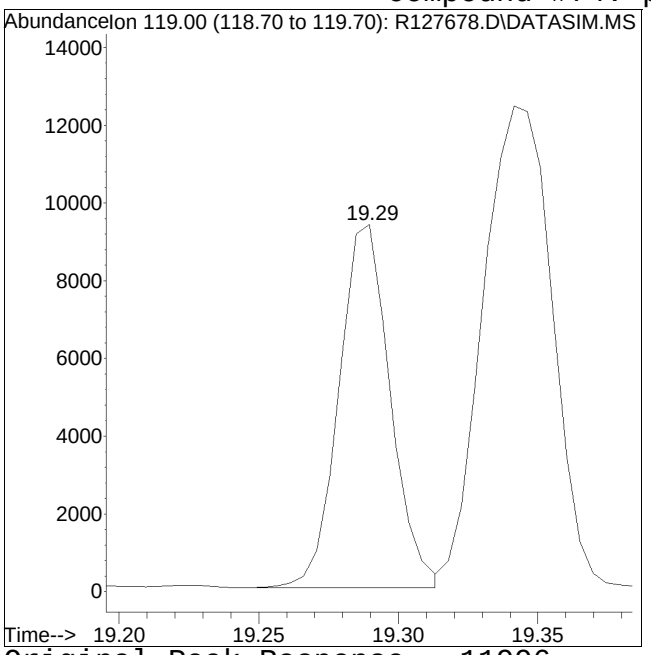
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

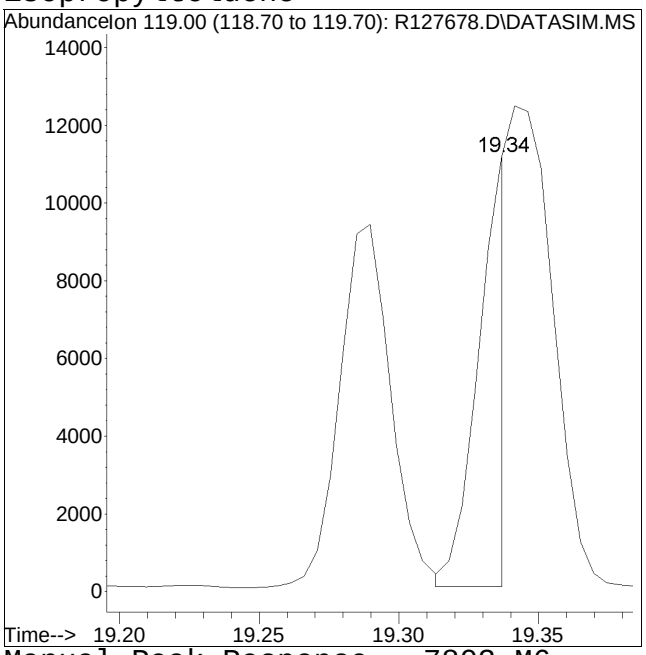
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #74: p-isopropyltoluene



Original Peak Response = 11996



Manual Peak Response = 7803 M6

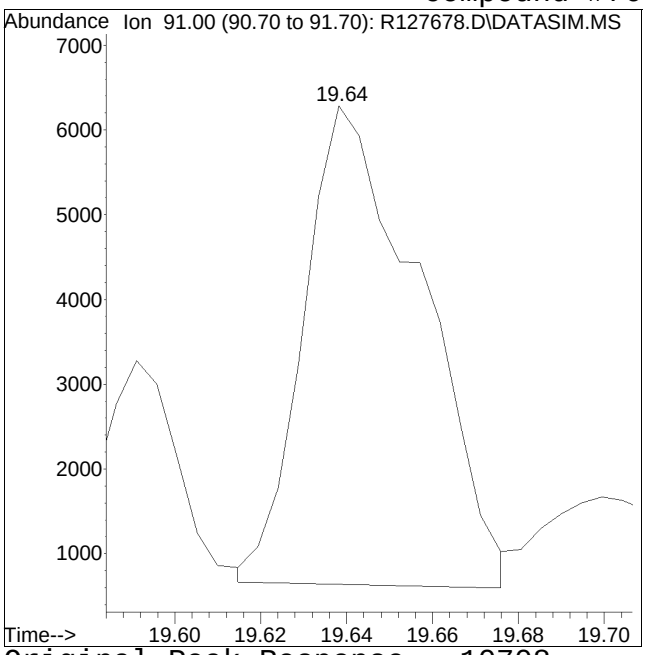
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

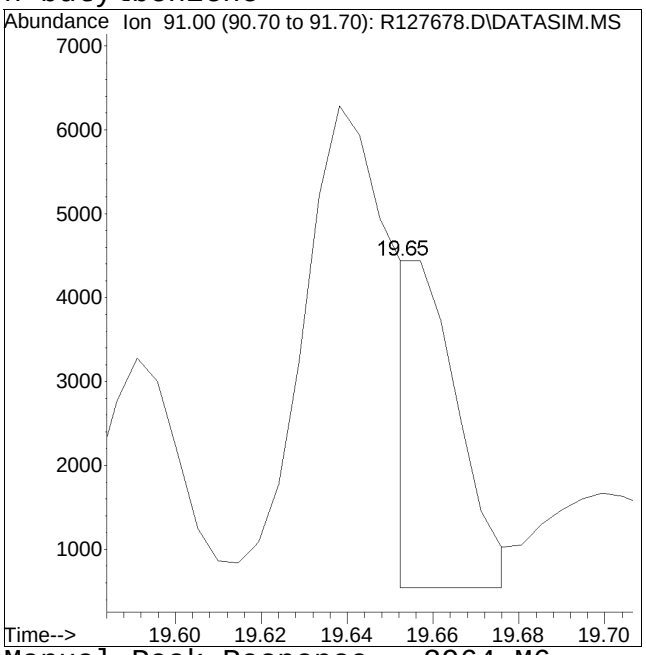
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #76: n-butylbenzene



Original Peak Response = 10708



Manual Peak Response = 2964 M6

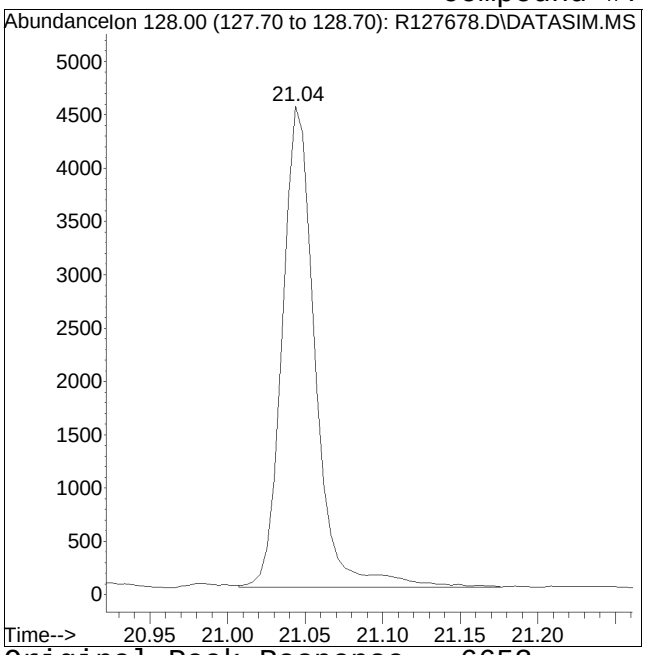
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

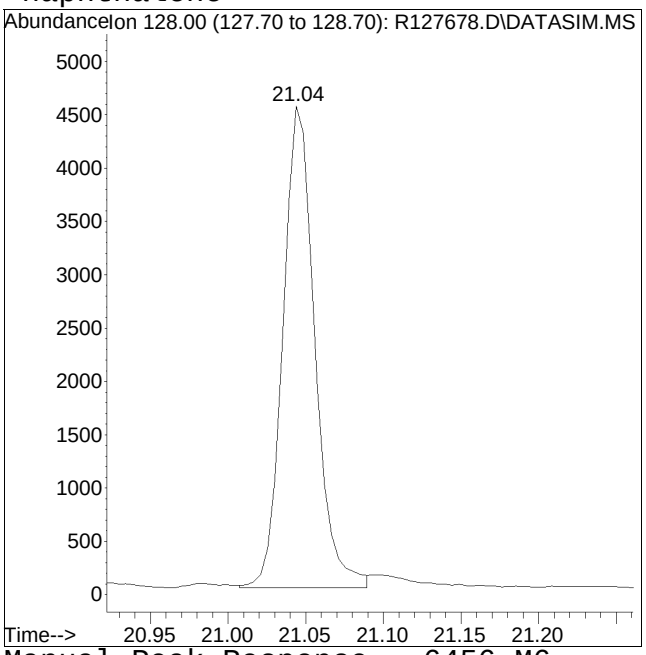
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127678.D
Date Inj'd : 4/15/2013 11:28 pm
Sample : L1306330-23,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:50 am

Compound #78: naphthalene



Original Peak Response = 6653



Manual Peak Response = 6456 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127679.D
Acq On : 16 Apr 2013 12:00 am
Operator : AIRPIANO1:MB
Sample : L1306330-27D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 17 11:16:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	237090	10.000	ppbV	0.00
Standard Area = 277541			Recovery =	85.43%		
32) 1,4-difluorobenzene	12.49	114	549332	10.000	ppbV	0.00
Standard Area = 568916			Recovery =	96.56%		
49) chlorobenzene-D5	16.90	54	135793	10.000	ppbV	0.00
Standard Area = 138075			Recovery =	98.35%		
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	1718	0.056	ppbV	100
4) chloromethane	4.40		0	N.D.		
5) Freon-114	4.55		0	N.D.		
6) vinyl chloride	4.70		0	N.D.		
7) 1,3-butadiene	4.91		0	N.D.		
8) bromomethane	0.00		0	N.D.	d	
9) chloroethane	5.55		0	N.D.		
12) acetone	6.41	43	65061	2.536	ppbV #	99
13) trichlorofluoromethane	6.62	101	1801	0.049	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64	49	7588	0.354	ppbV	99
20) Freon 113	7.99	101	543	0.021	ppbV #	93
22) trans-1,2-dichloroethene	8.82	61	769	0.035	ppbV	92
23) 1,1-dichloroethane	0.00		0	N.D.	d	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.58	43	21140	0.526	ppbV	97
27) cis-1,2-dichloroethene	10.07	61	530	0.024	ppbV	91
29) chloroform	10.43	83	26894	0.970	ppbV	99
31) 1,2-dichloroethane	11.14		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	4931	0.168	ppbV	95
36) benzene	12.08	78	1004	0.023	ppbV #	81
37) carbon tetrachloride	12.25	117	452030	14.016	ppbV	100
39) 1,2-dichloropropane	13.03		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	519382	24.466	ppbV	99
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.33	43	9611M6	0.195	ppbV	
47) trans-1,3-dichloropropene	14.93		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127679.D
Acq On : 16 Apr 2013 12:00 am
Operator : AIRPIANO1:MB
Sample : L1306330-27D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 17 11:16:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

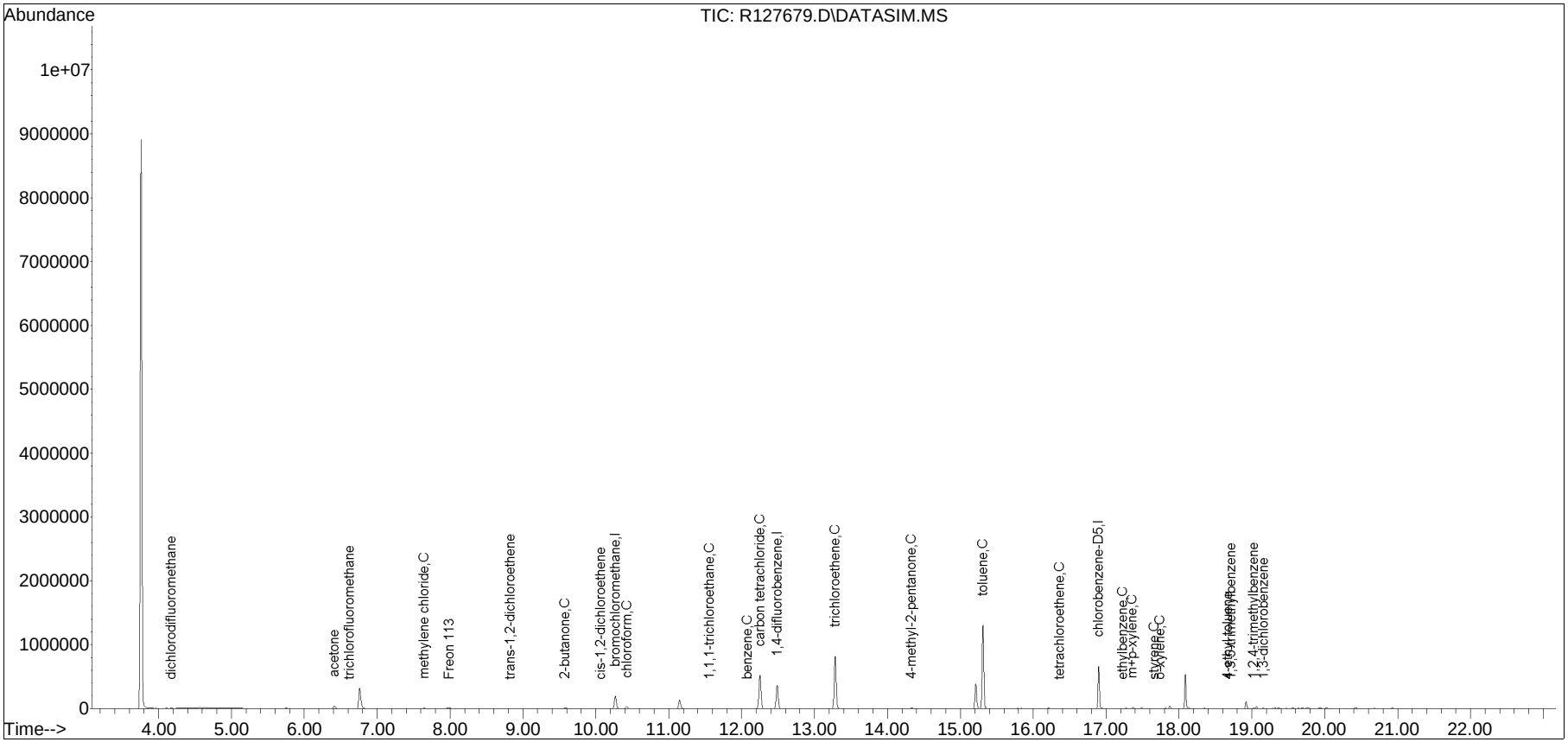
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	1166236M4	21.187	ppbV		
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	779	0.027	ppbV	#	91
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	1759	0.025	ppbV		99
59) m+p-xylene	17.36	91	4826	0.088	ppbV		100
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	1126	0.027	ppbV		94
62) 1,1,2,2-tetrachloroethane	17.64		0	N.D.			
63) o-xylene	17.74	91	2167	0.038	ppbV		95
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.67	105	1891	0.023	ppbV	#	92
67) 1,3,5-trimethylbenzene	18.72	105	1634	0.024	ppbV	#	96
69) 1,2,4-trimethylbenzene	19.03	105	4901	0.072	ppbV	#	52
71) 1,3-dichlorobenzene	19.16	146	4753	0.092	ppbV		92
72) 1,4-dichlorobenzene	19.21		0	N.D.			
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05		0	N.D.			
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

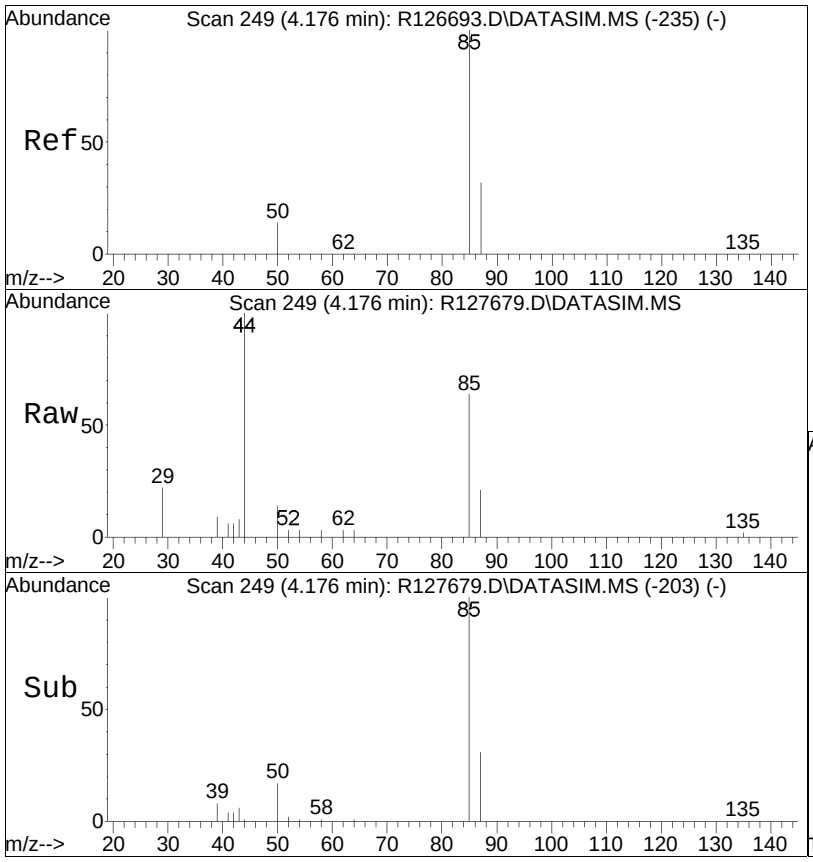
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127679.D
Acq On : 16 Apr 2013 12:00 am
Operator : AIRPIANO1:MB
Sample : L1306330-27D,3,25,250
Misc : WG601750,ICAL7910
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 17 11:16:26 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

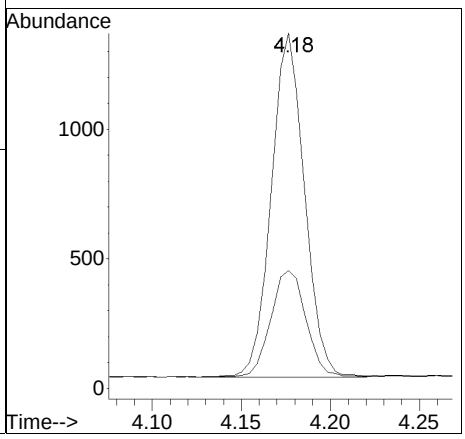


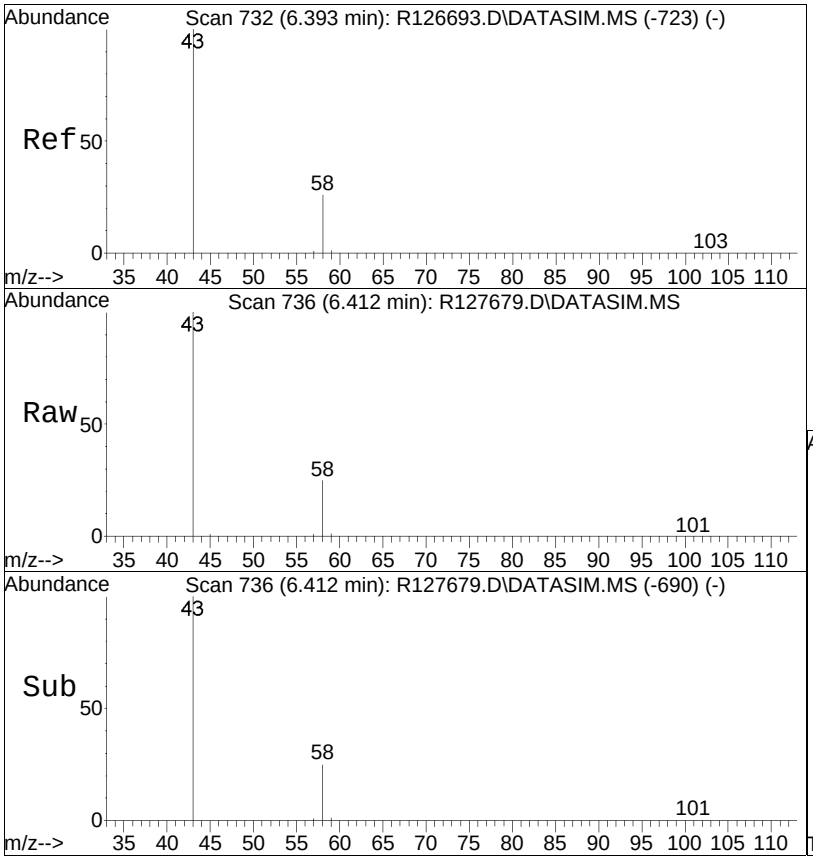


#3
dichlorodifluoromethane
Concen: 0.06 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 85 Resp: 1718

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	40.0

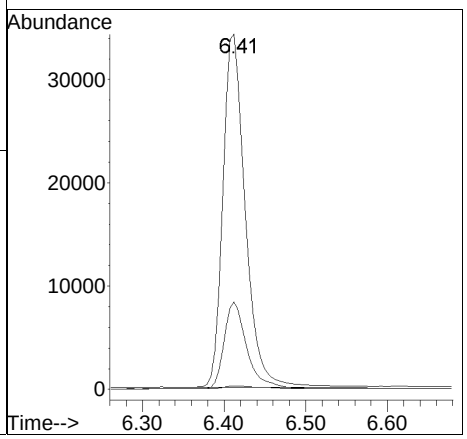


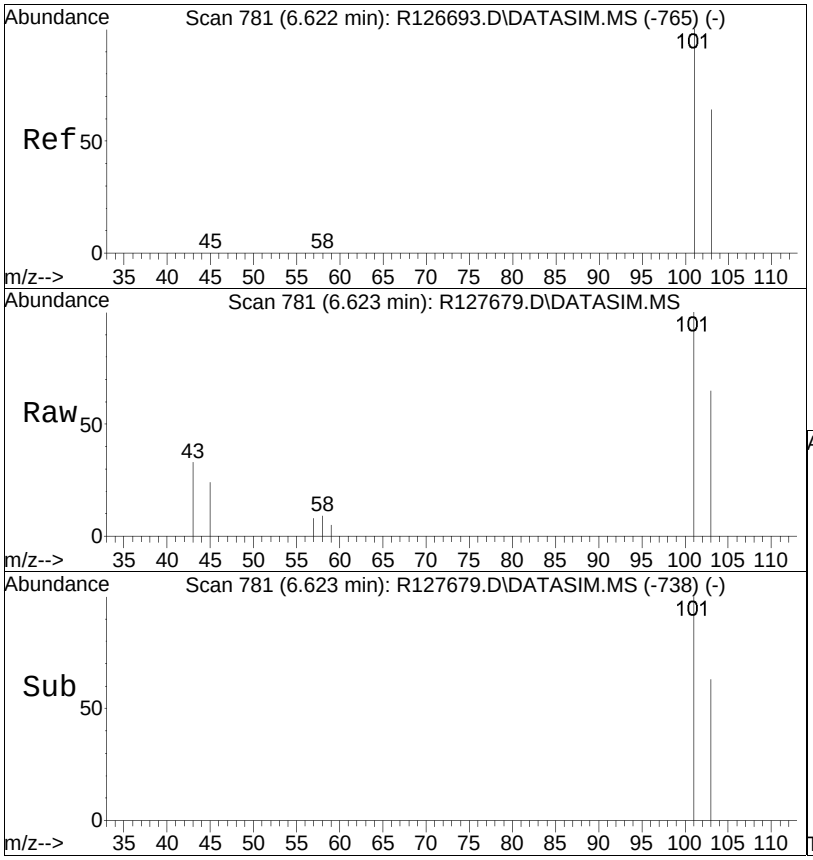


#12
acetone
Concen: 2.54 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 43 Resp: 65061

Ion	Ratio	Lower	Upper
43	100		
58	24.6	20.0	30.0
57	1.0	0.6	1.0#

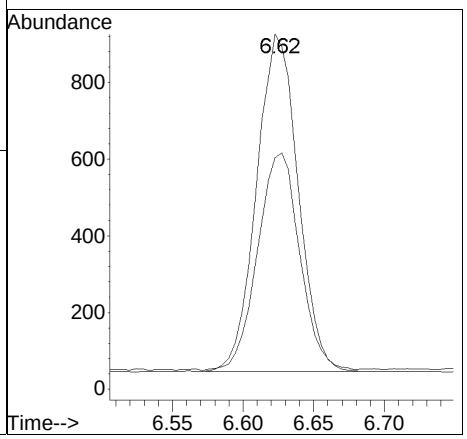


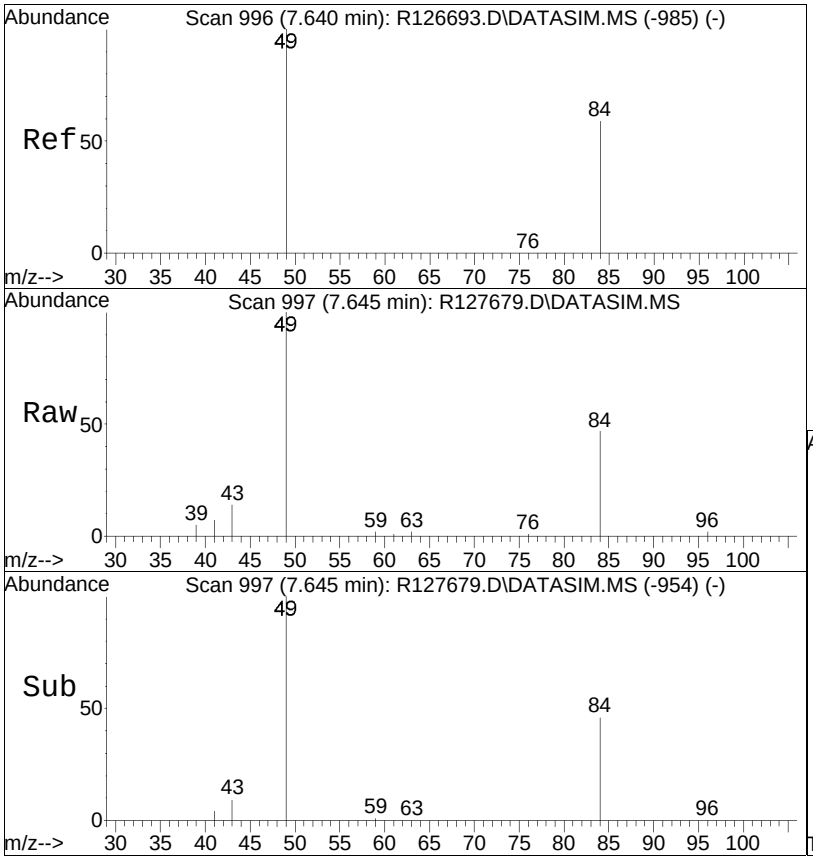


#13
trichlorofluoromethane
Concen: 0.05 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:101 Resp: 1801

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

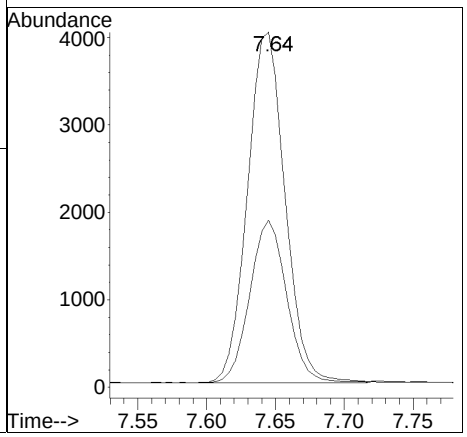


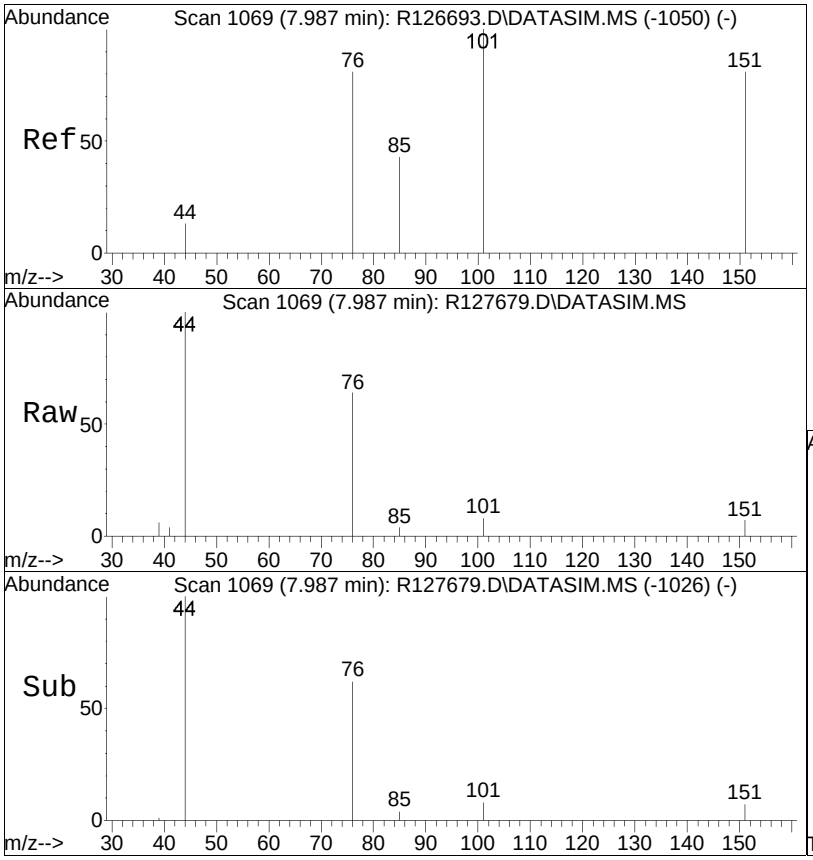


#17
methylene chloride
Concen: 0.35 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 49 Resp: 7588

Ion	Ratio	Lower	Upper
49	100		
84	47.1	37.2	55.8

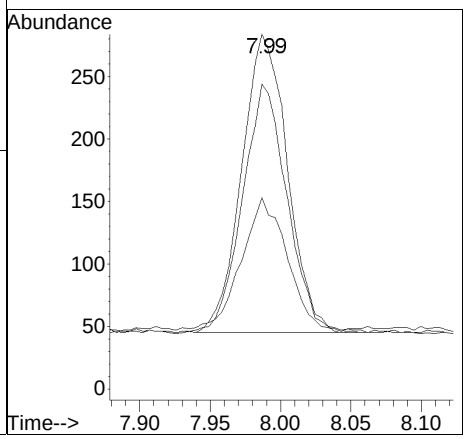


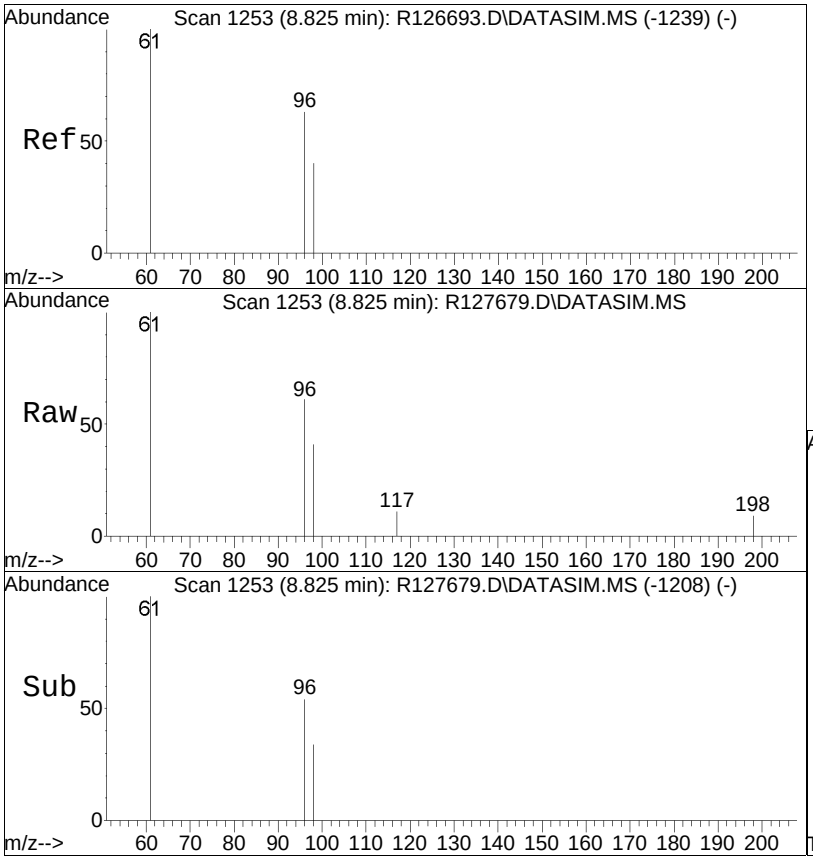


#20
Freon 113
Concen: 0.02 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:101 Resp: 543

Ion	Ratio	Lower	Upper
101	100		
85	53.9	34.2	51.2#
151	85.9	67.8	101.8

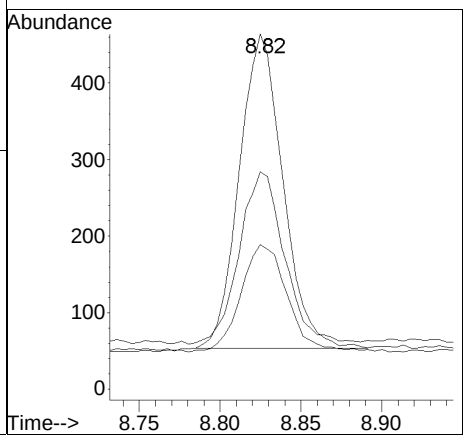


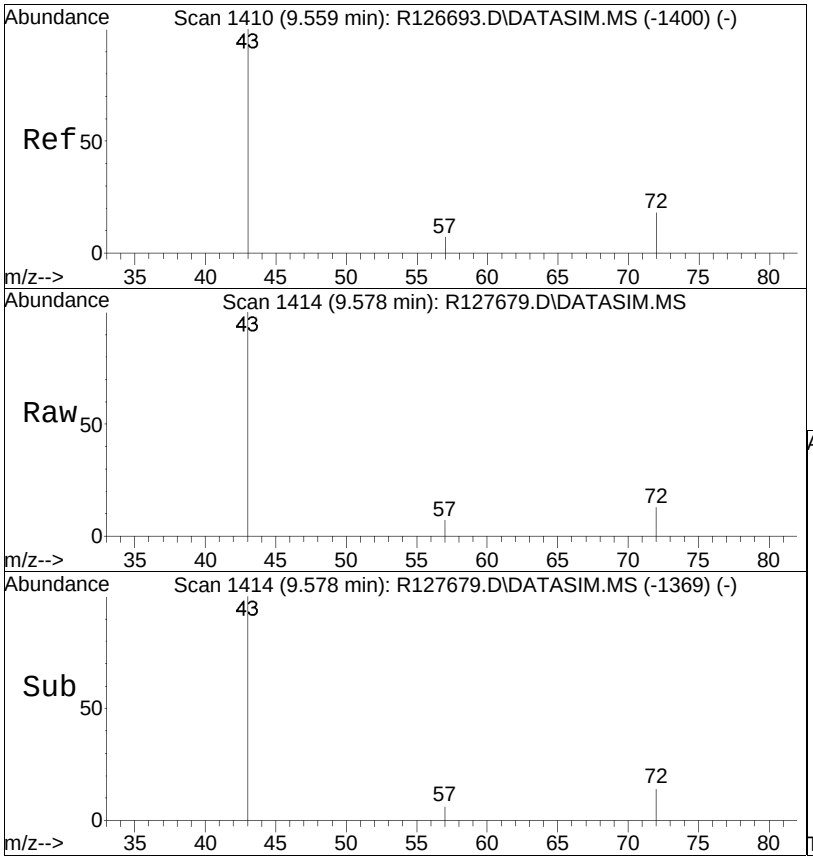


#22
trans-1,2-dichloroethene
Concen: 0.03 ppbV
RT: 8.82 min Scan# 1253
Delta R.T. 0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 61 Resp: 769

Ion	Ratio	Lower	Upper
61	100		
96	61.2	44.6	67.0
98	40.7	28.6	42.8

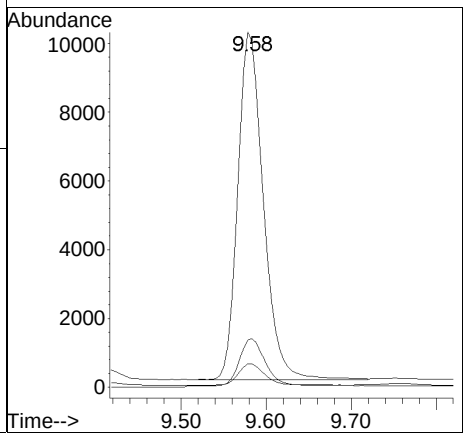


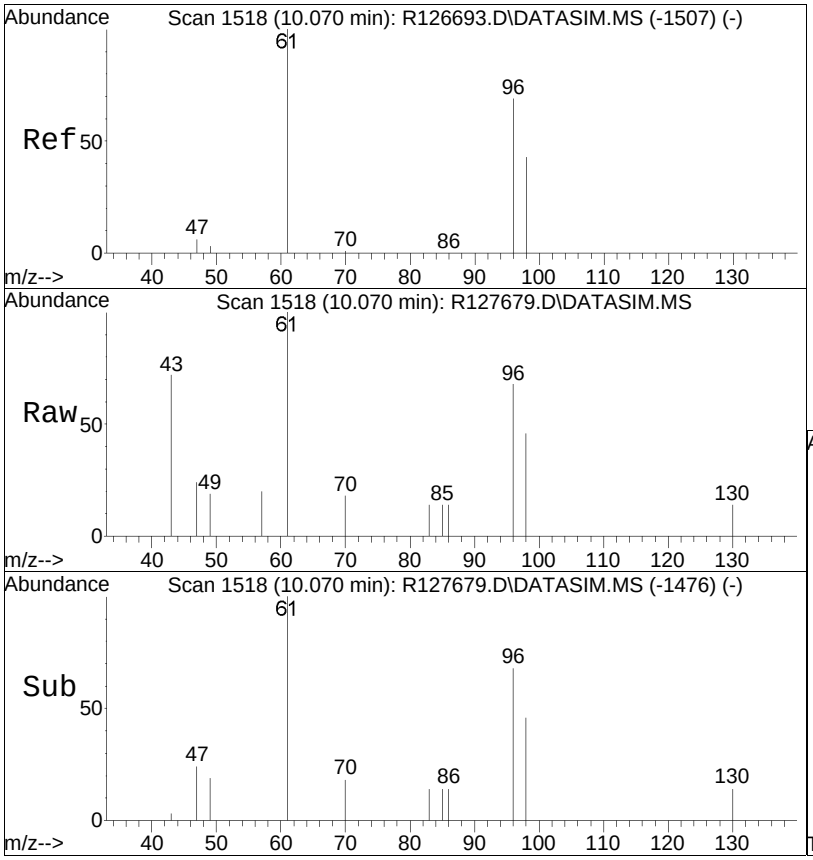


#26
2-butanone
Concen: 0.53 ppbV
RT: 9.58 min Scan# 1414
Delta R.T. 0.014 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 43 Resp: 21140

Ion	Ratio	Lower	Upper
43	100		
72	13.4	12.0	18.0
57	6.6	5.2	7.8

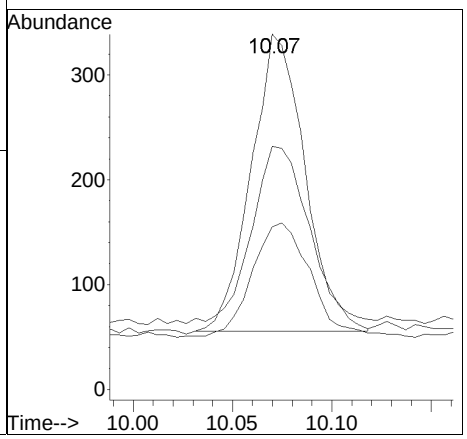


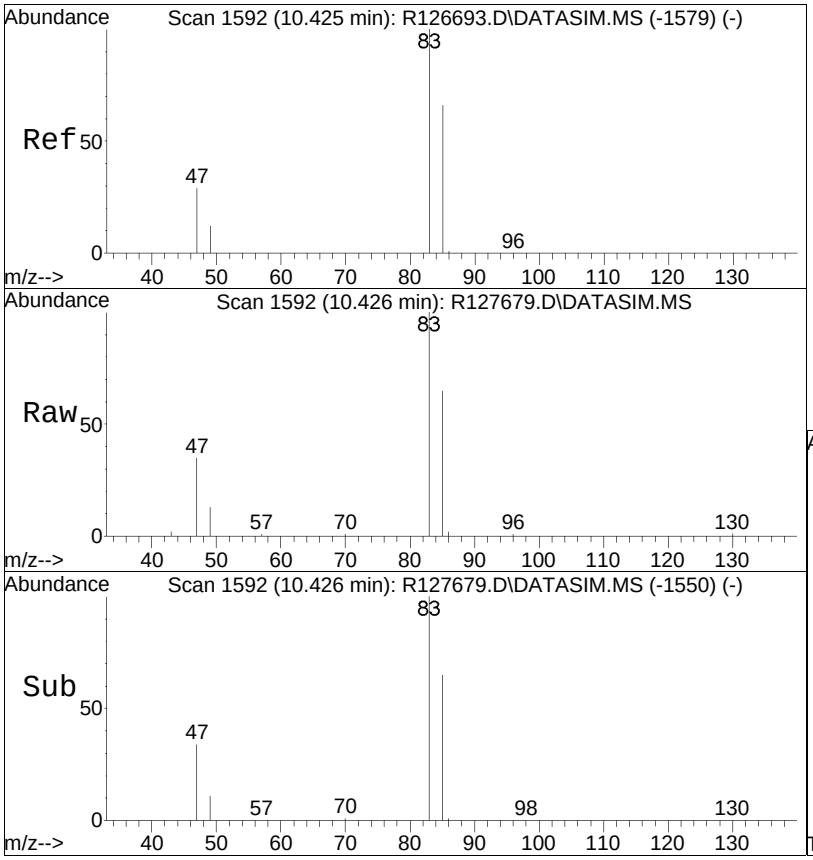


#27
cis-1,2-dichloroethene
Concen: 0.02 ppbV
RT: 10.07 min Scan# 1518
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 61 Resp: 530

Ion	Ratio	Lower	Upper
61	100		
96	68.4	49.8	74.6
98	45.7	31.3	46.9

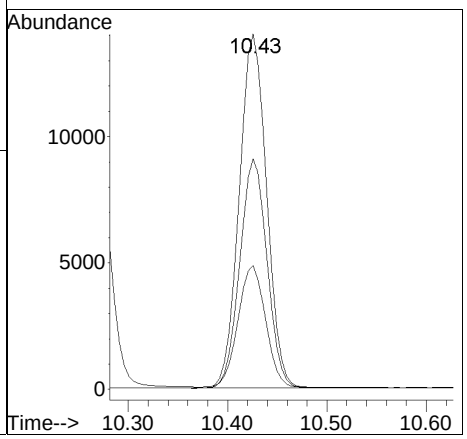


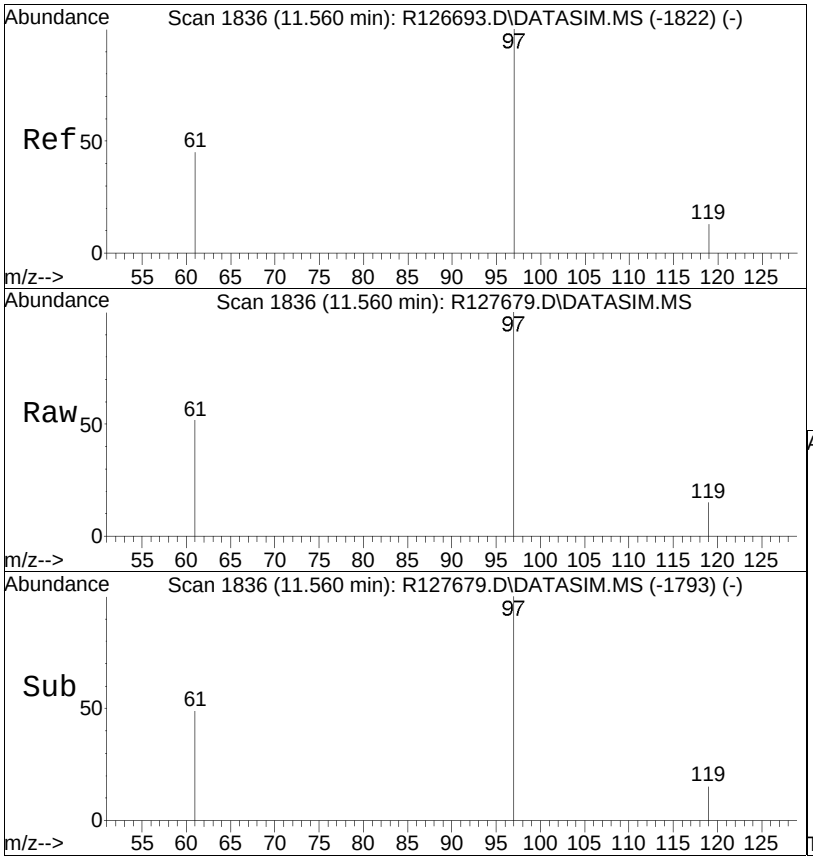


#29
chloroform
Concen: 0.97 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 83 Resp: 26894

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2
47	34.9	26.4	39.6

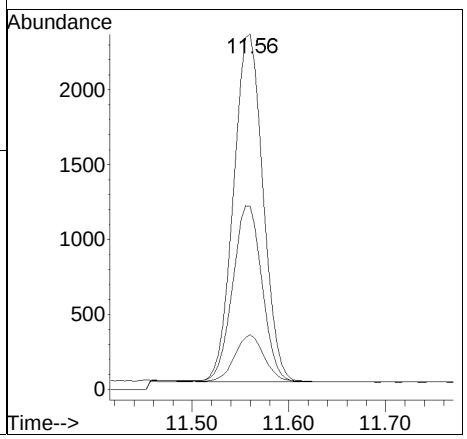


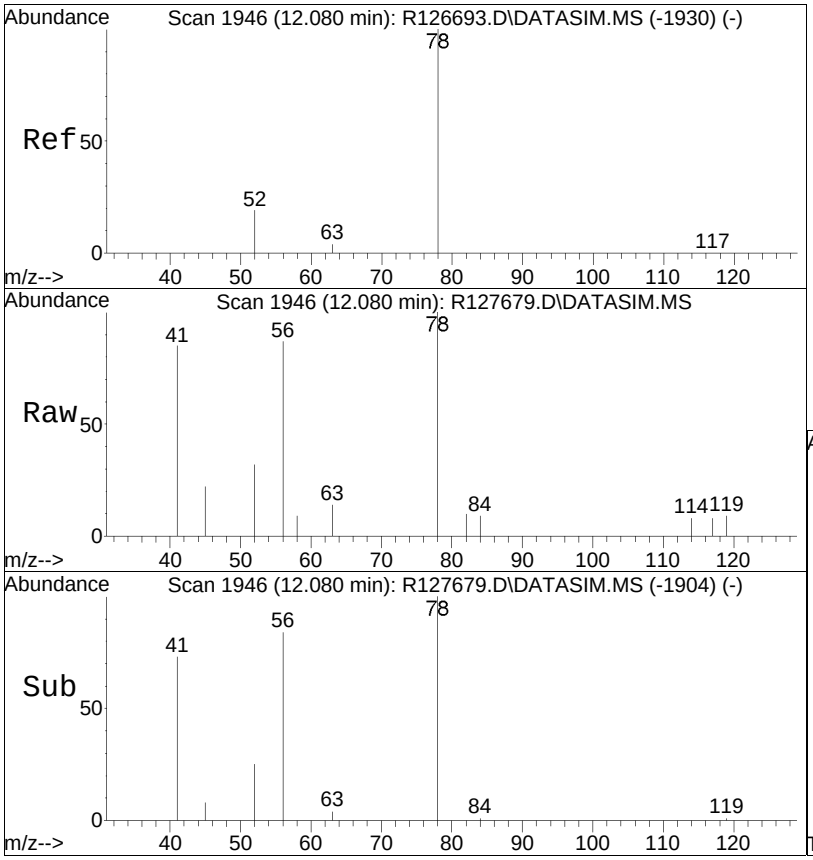


#35
1,1,1-trichloroethane
Concen: 0.17 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 97 Resp: 4931

Ion	Ratio	Lower	Upper
97	100		
61	51.6	38.6	58.0
119	15.4	11.0	16.6

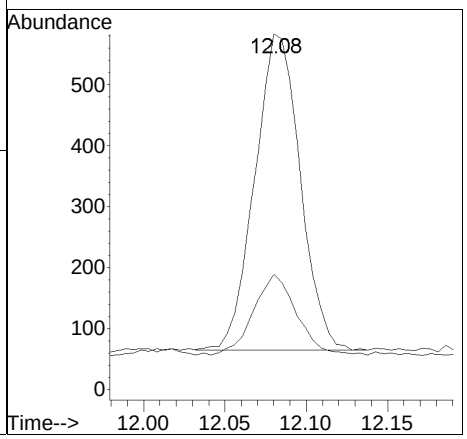


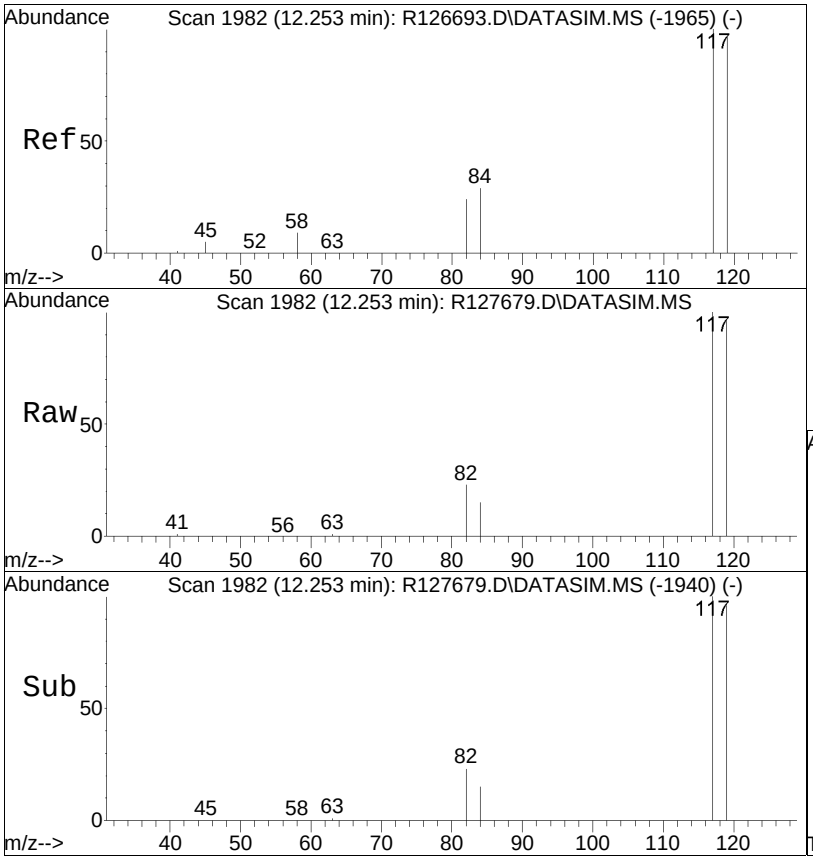


#36
benzene
Concen: 0.02 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 78 Resp: 1004

Ion	Ratio	Lower	Upper
78	100		
52	32.4	18.5	27.7#

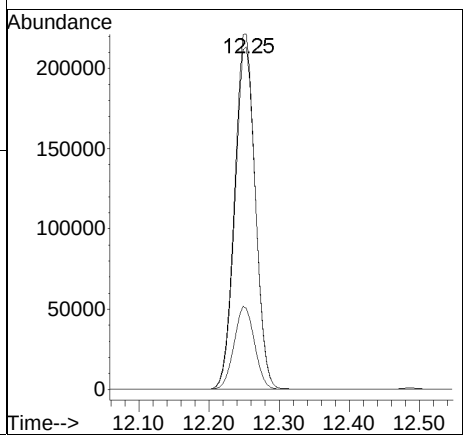


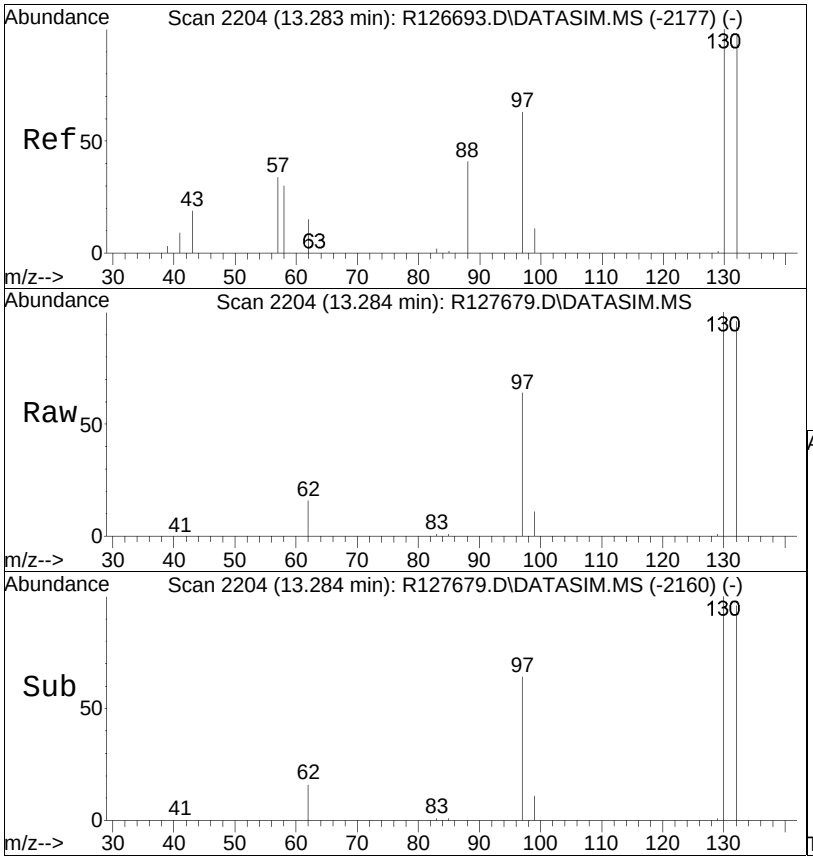


#37
carbon tetrachloride
Concen: 14.02 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:117 Resp: 452030

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.4	116.0
82	22.8	18.2	27.2

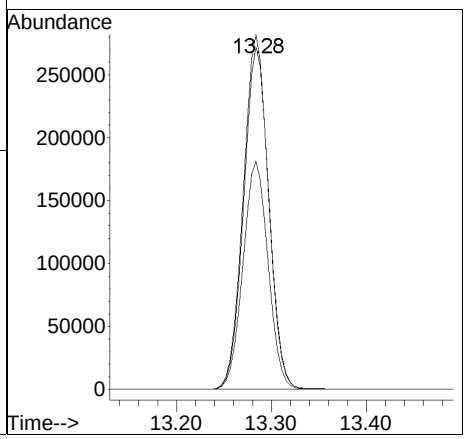


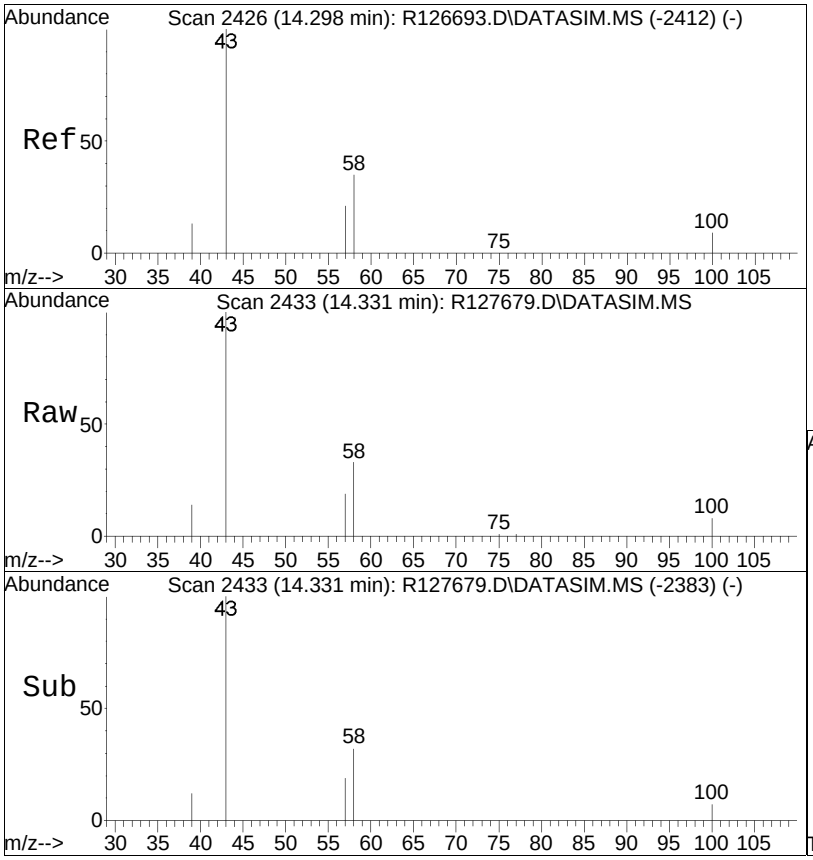


#42
trichloroethene
Concen: 24.47 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:130 Resp: 519382

Ion	Ratio	Lower	Upper
130	100		
132	96.5	77.3	115.9
97	64.3	50.6	75.8

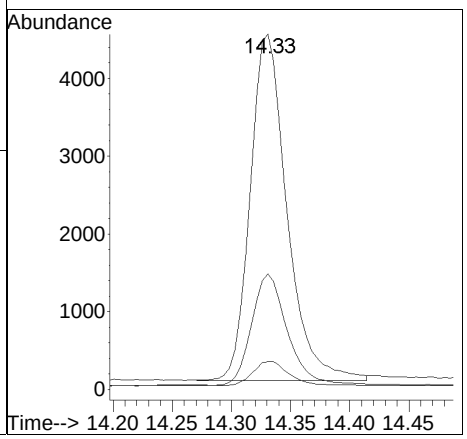


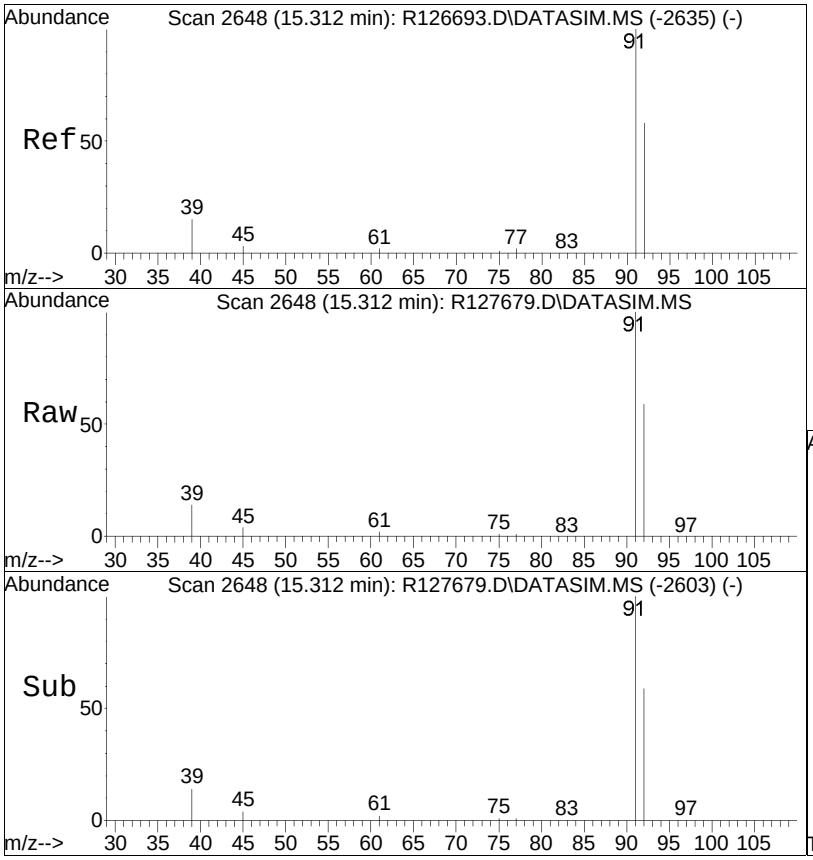


#46
4-methyl-2-pentanone
Concen: 0.19 ppbV m
RT: 14.33 min Scan# 2433
Delta R.T. 0.032 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 43 Resp: 9611

Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.0	39.0
100	7.8	5.8	8.6

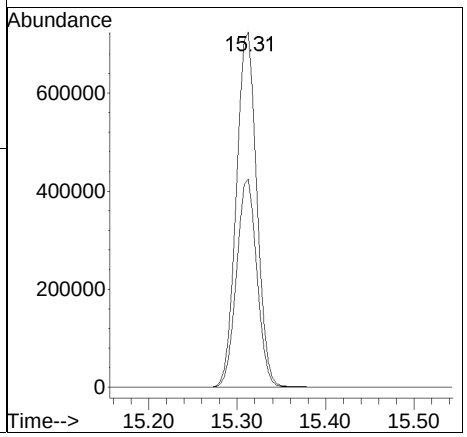


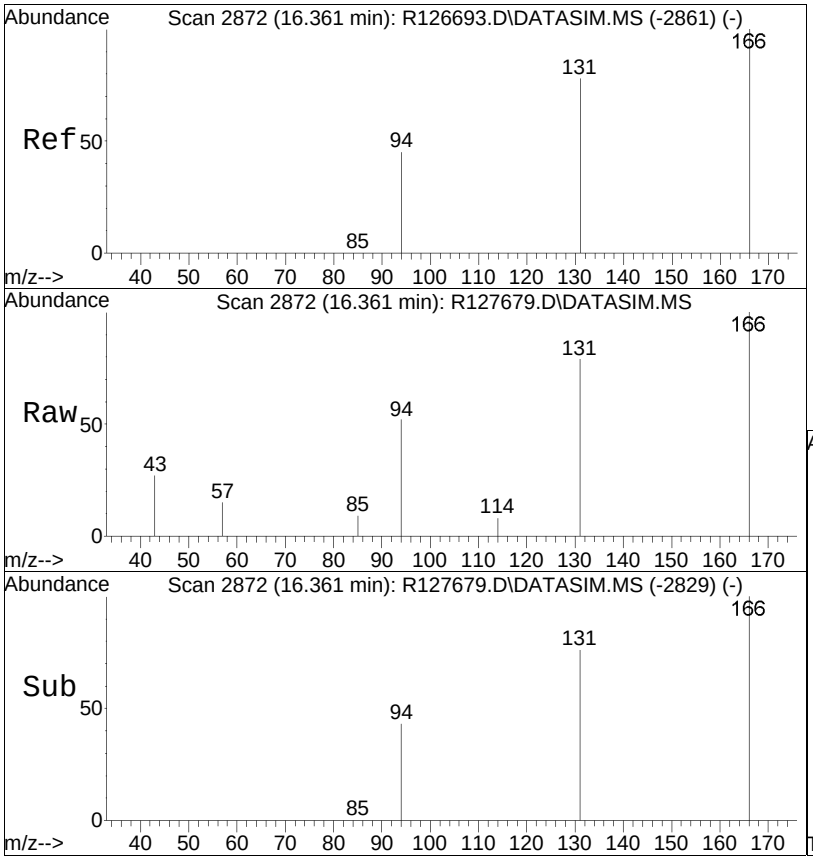


#50
toluene
Concen: 21.19 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.004 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 91 Resp: 1166236

Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.4	69.6

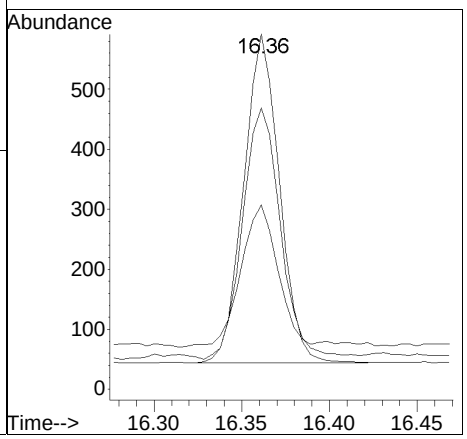


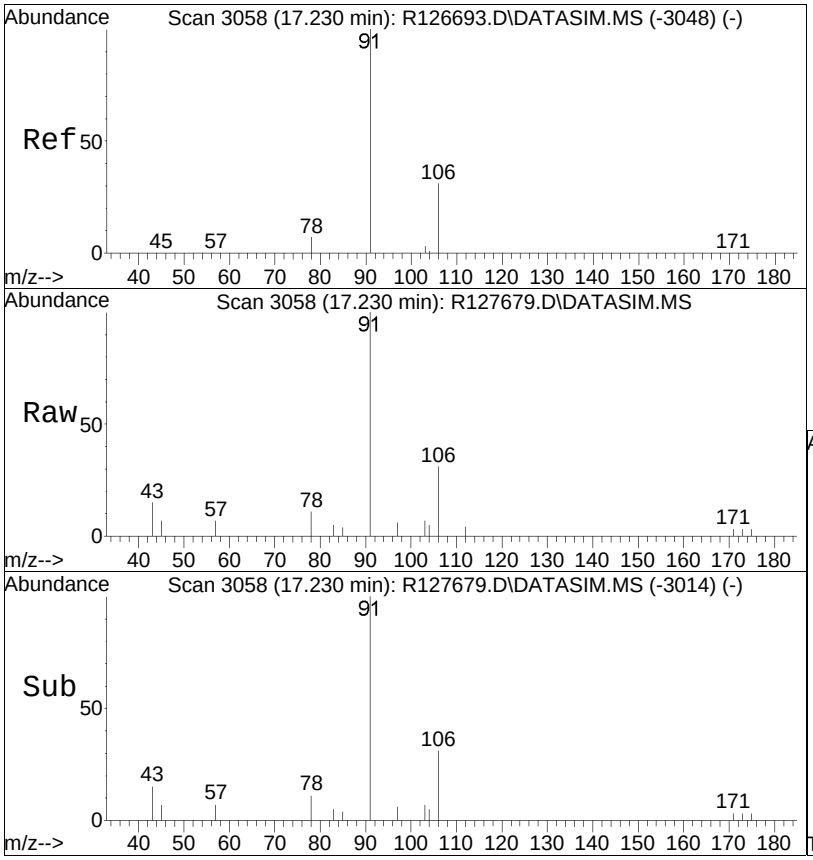


#55
tetrachloroethene
Concen: 0.03 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:166 Resp: 779

Ion	Ratio	Lower	Upper
166	100		
131	79.2	60.6	90.8
94	51.9	32.2	48.2#

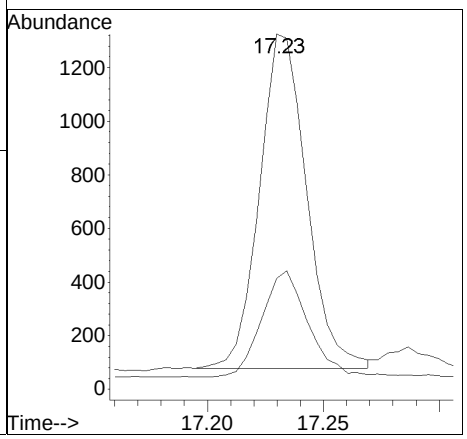


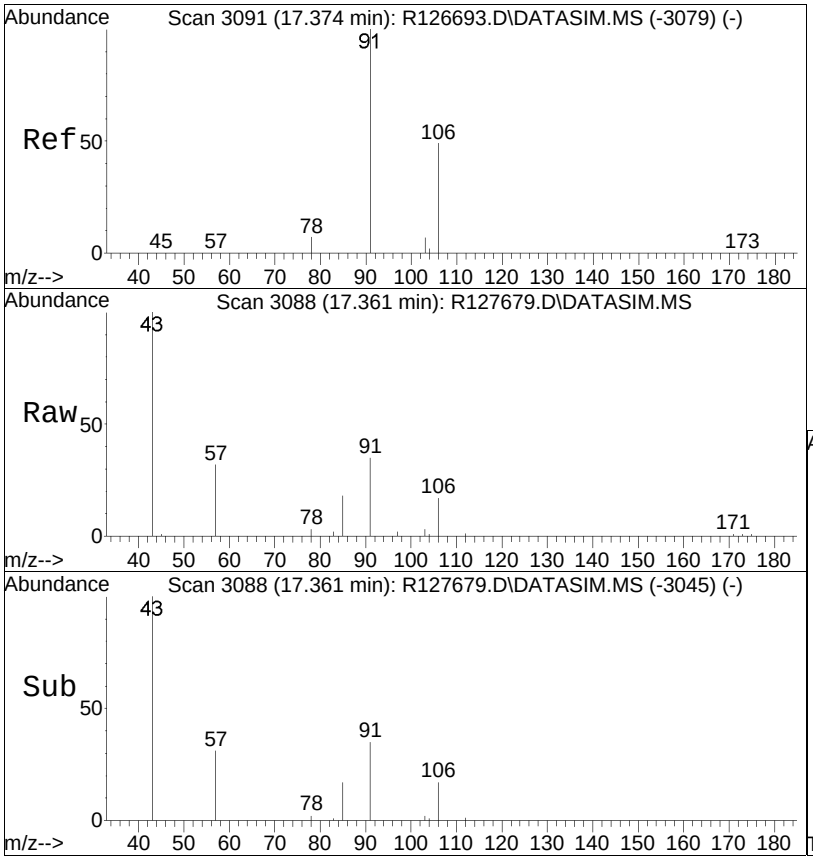


#58
ethylbenzene
Concen: 0.02 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 91 Resp: 1759

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9

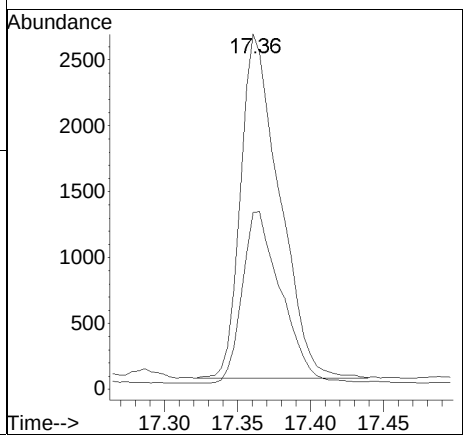


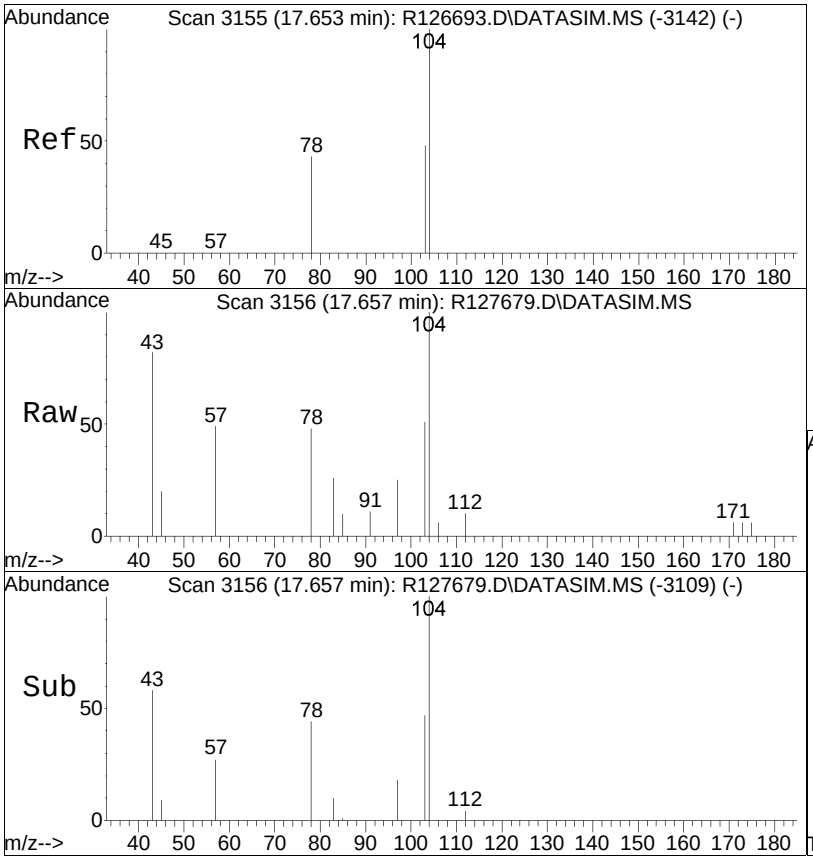


#59
m+p-xylene
Concen: 0.09 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 91 Resp: 4826

Ion	Ratio	Lower	Upper
91	100		
106	49.8	40.0	60.0

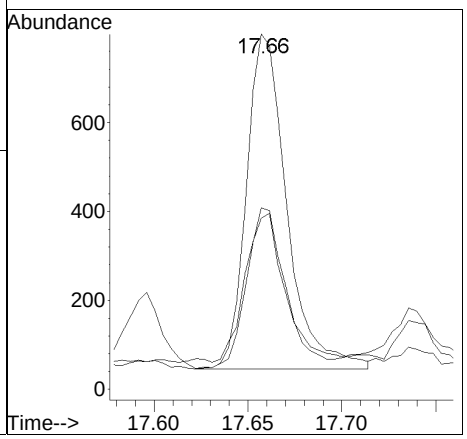


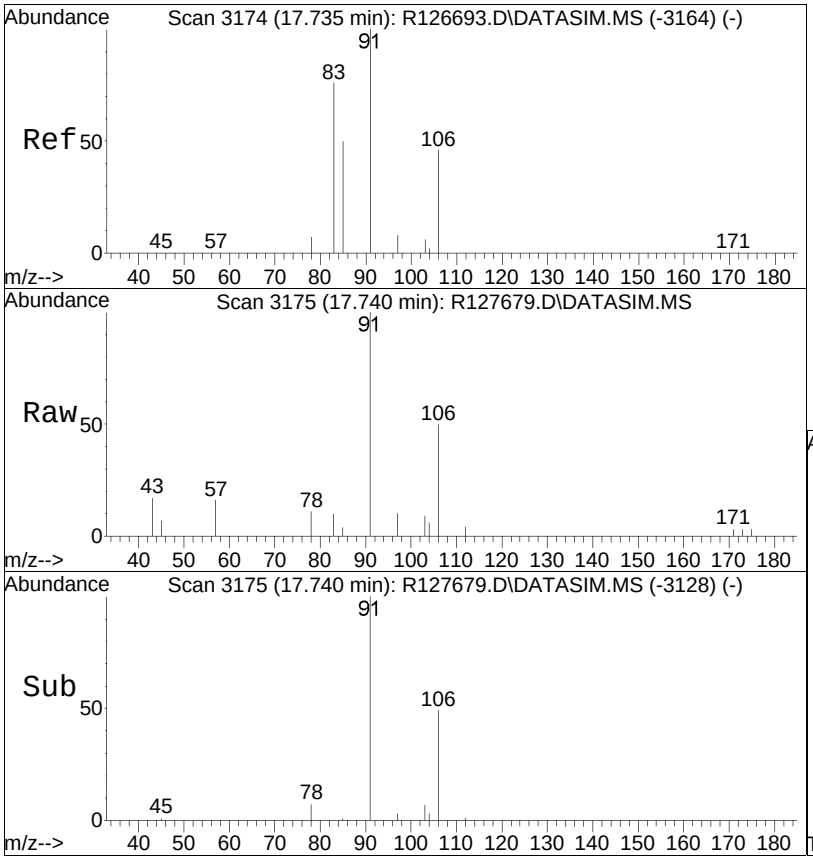


#61
styrene
Concen: 0.03 ppbV
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:104 Resp: 1126

Ion	Ratio	Lower	Upper
104	100		
103	51.1	38.3	57.5
78	48.2	35.0	52.6

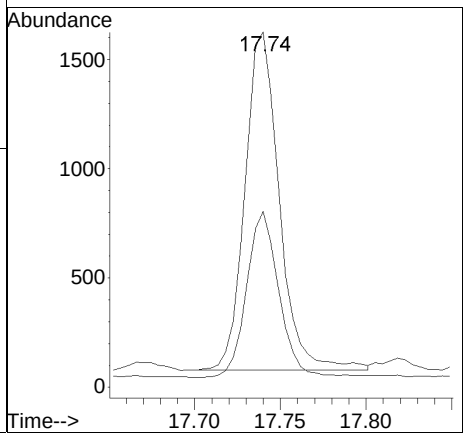


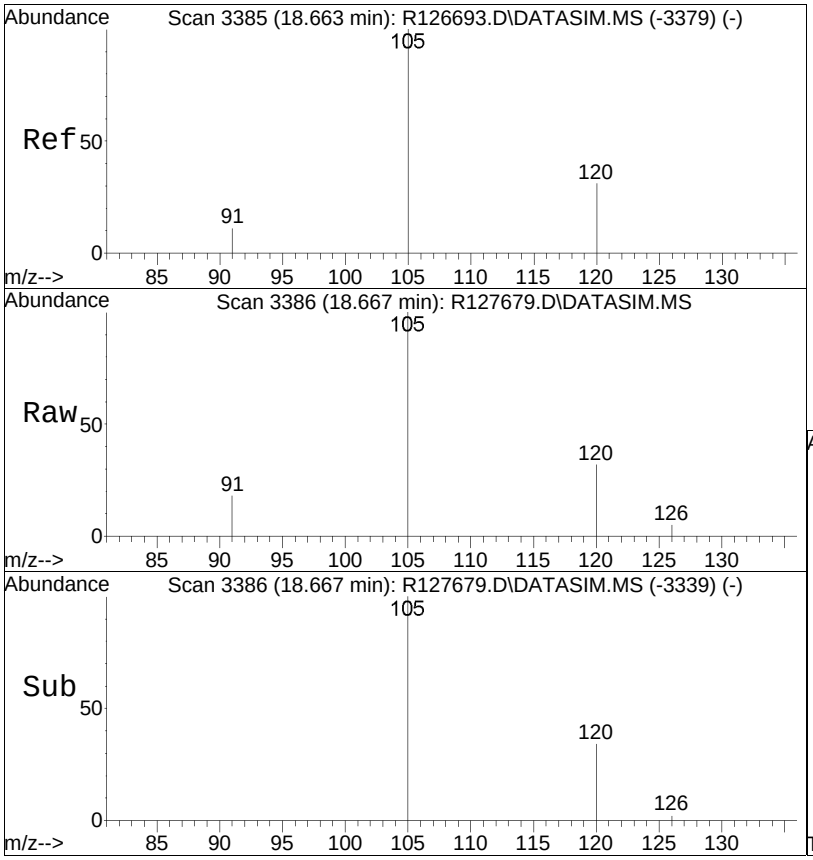


#63
o-xylene
Concen: 0.04 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion: 91 Resp: 2167

Ion	Ratio	Lower	Upper
91	100		
106	49.5	37.1	55.7

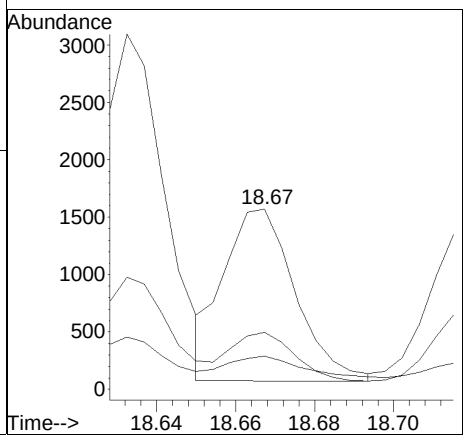


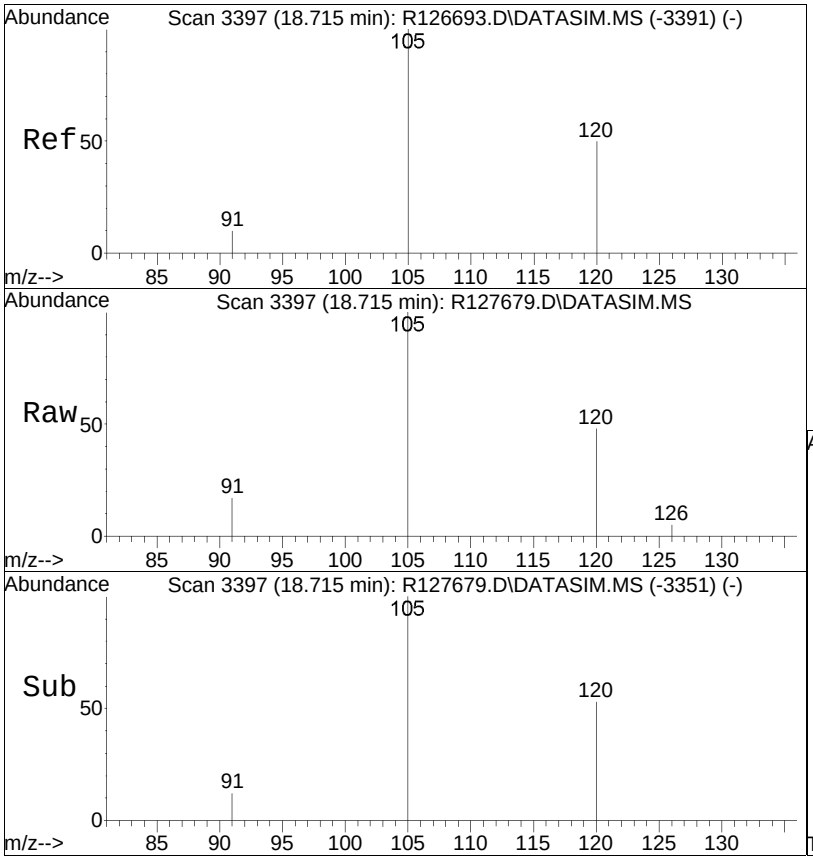


#66
4-ethyl toluene
Concen: 0.02 ppbV
RT: 18.67 min Scan# 3386
Delta R.T. 0.004 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:105 Resp: 1891

Ion	Ratio	Lower	Upper
105	100		
120	31.6	23.7	35.5
91	18.5	8.5	12.7#

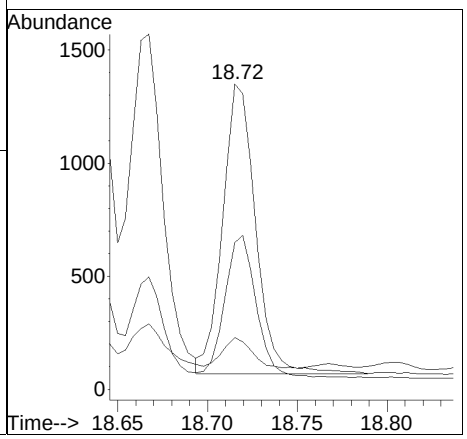


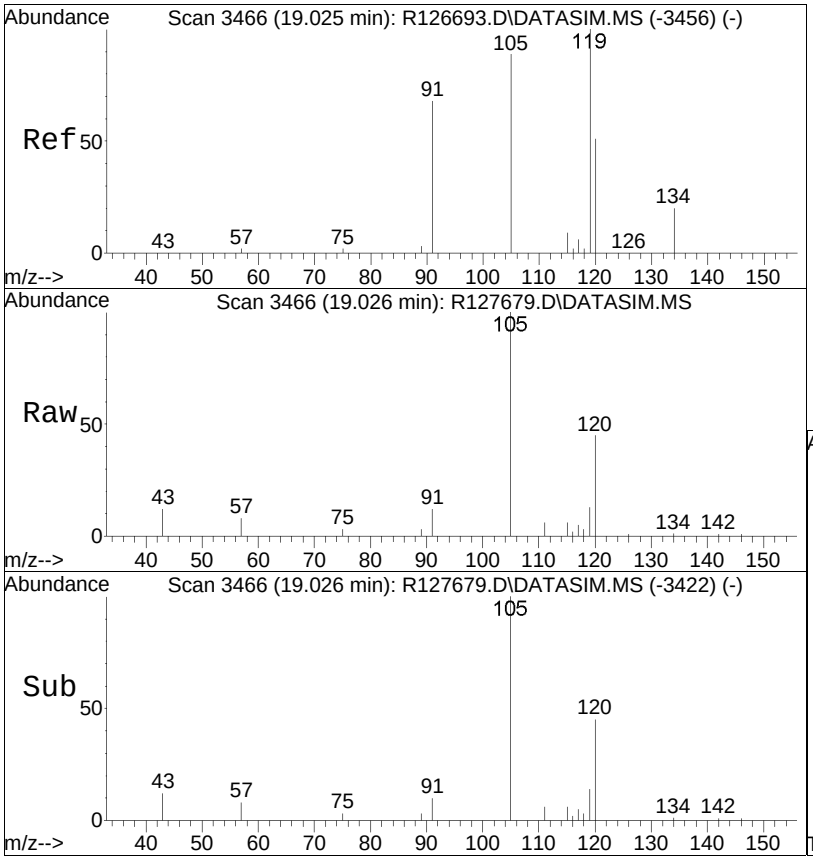


#67
1,3,5-trimethylbenzene
Concen: 0.02 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:105 Resp: 1634

Ion	Ratio	Lower	Upper
105	100		
120	48.1	39.0	58.4
91	17.0	8.0	12.0#

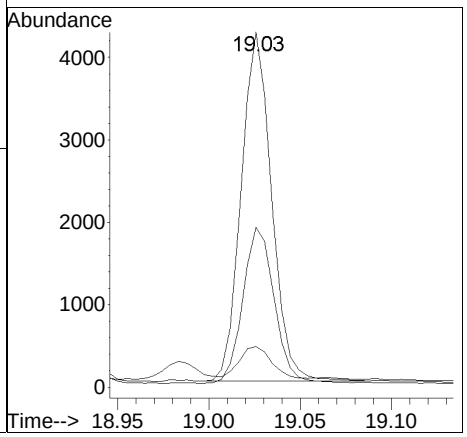


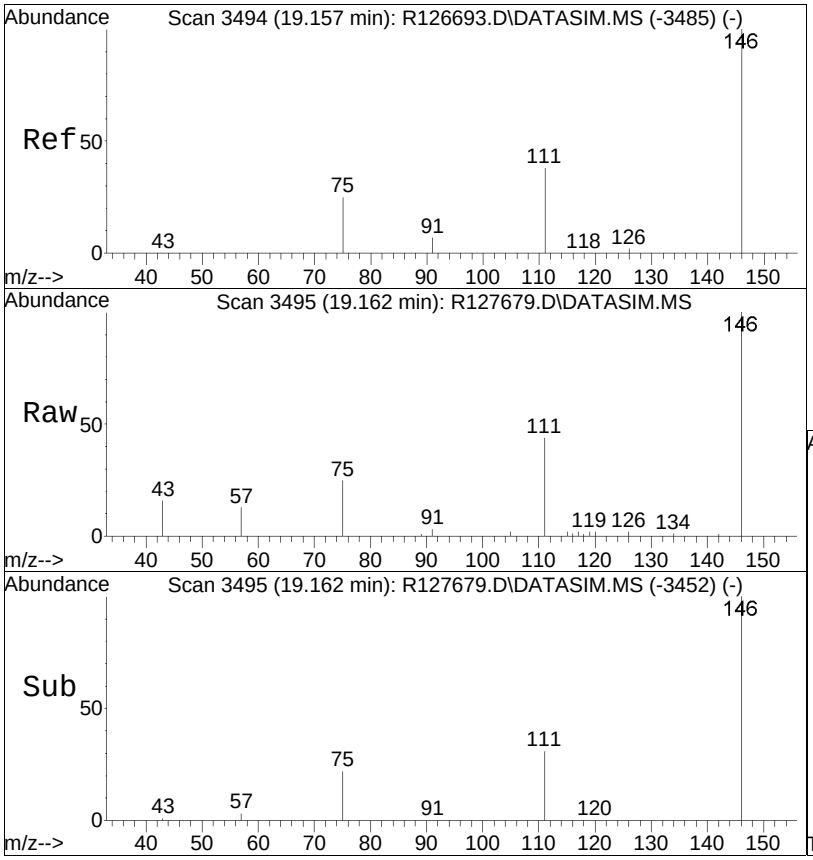


#69
1,2,4-trimethylbenzene
Concen: 0.07 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:105 Resp: 4901

Ion	Ratio	Lower	Upper
105	100		
120	45.1	44.9	67.3
91	11.5	58.6	88.0#

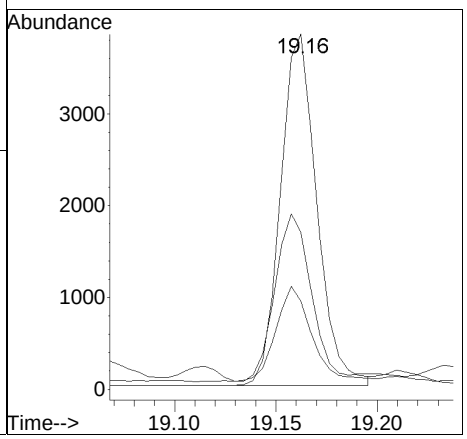




#71
1,3-dichlorobenzene
Concen: 0.09 ppbV
RT: 19.16 min Scan# 3495
Delta R.T. 0.005 min
Lab File: R127679.D
Acq: 16 Apr 2013 12:00 am

Tgt Ion:146 Resp: 4753

Ion	Ratio	Lower	Upper
146	100		
111	44.2	29.5	44.3
75	24.8	19.5	29.3

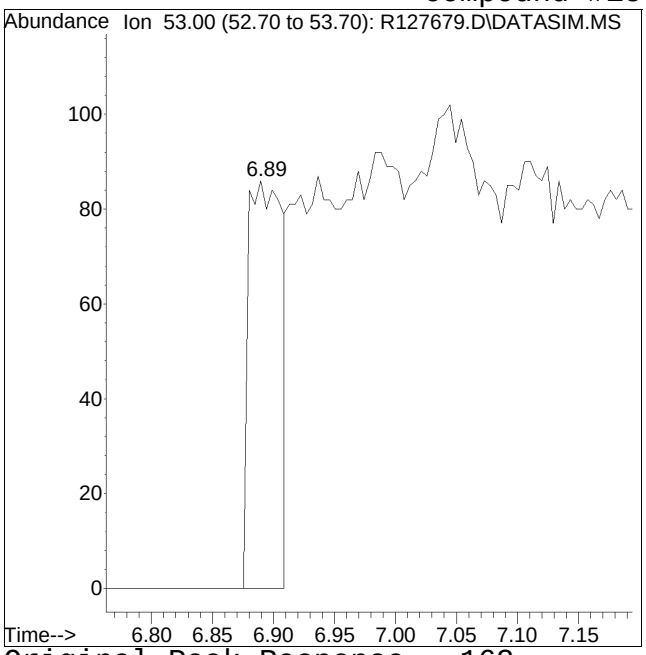


Manual Integration/Negative Proof Report

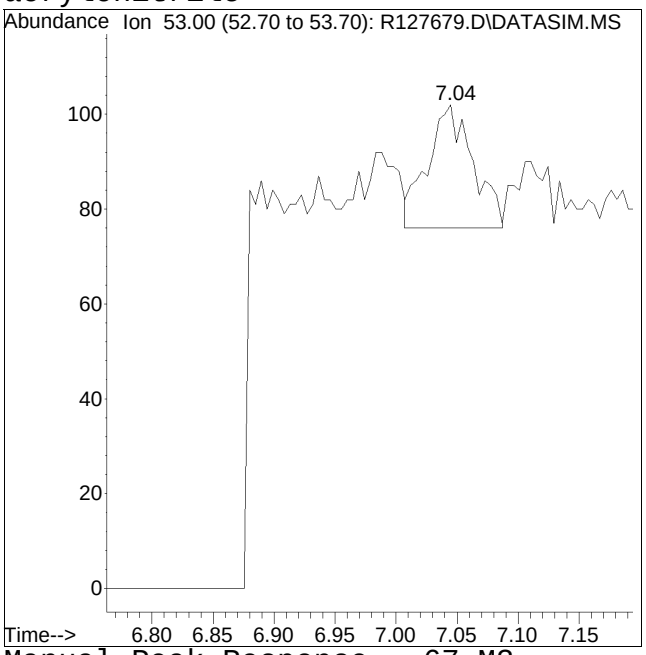
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127679.D
Date Inj'd : 4/16/2013 12:00 am
Sample : L1306330-27D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #15: acrylonitrile



Original Peak Response = 162



Manual Peak Response = 67 M3

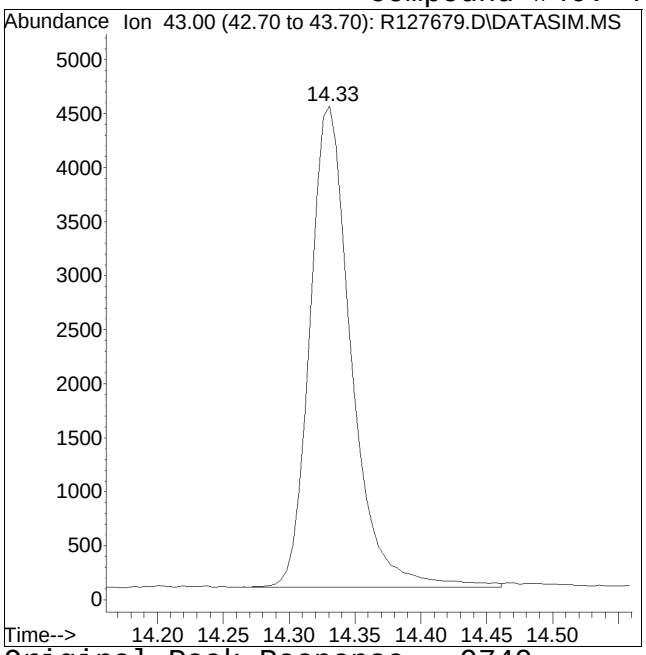
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

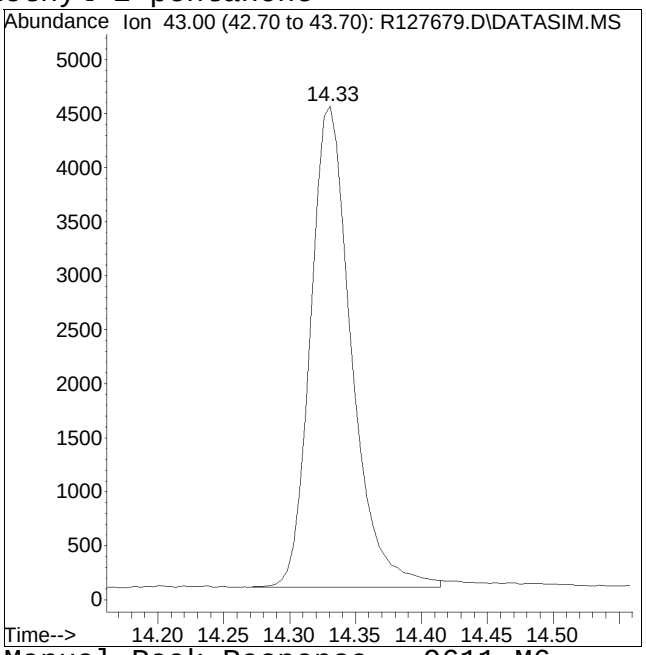
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127679.D
Date Inj'd : 4/16/2013 12:00 am
Sample : L1306330-27D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #46: 4-methyl-2-pentanone



Original Peak Response = 9740



Manual Peak Response = 9611 M6

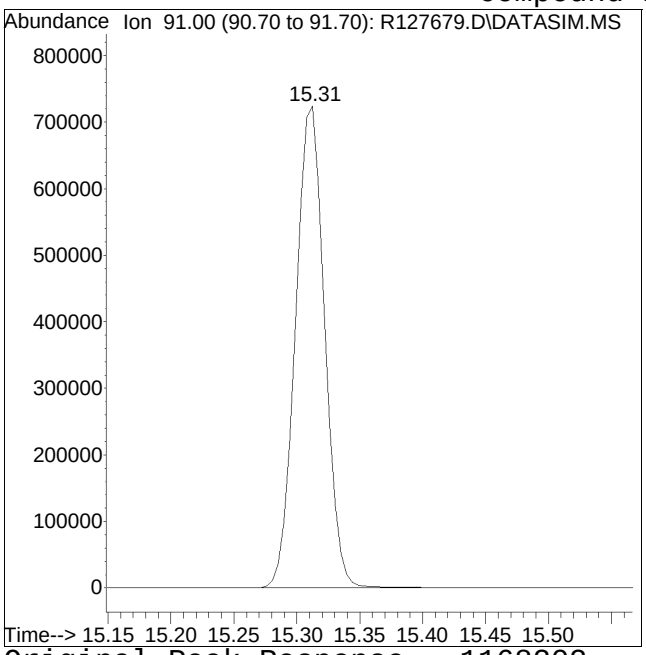
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

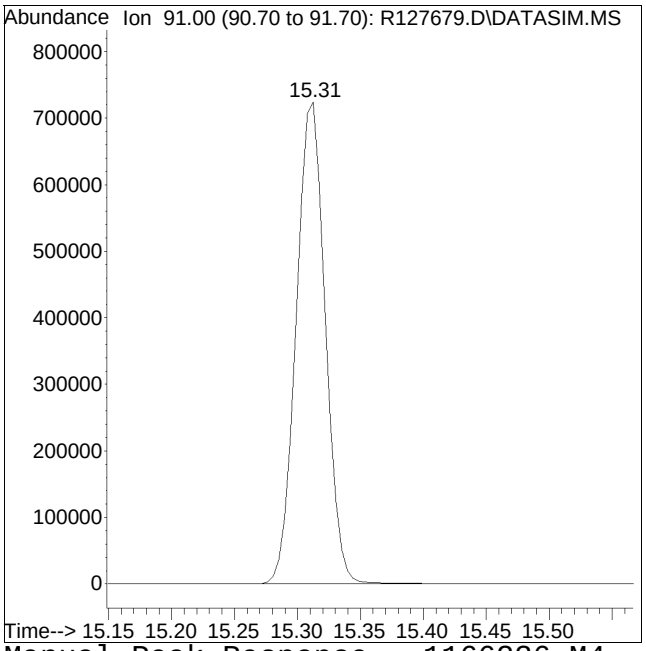
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127679.D
Date Inj'd : 4/16/2013 12:00 am
Sample : L1306330-27D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #50: toluene



Original Peak Response = 1168202



Manual Peak Response = 1166236 M4

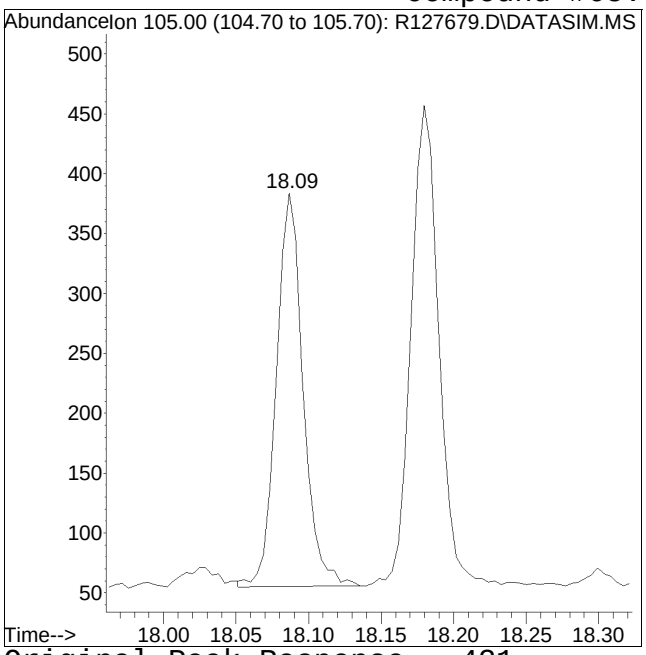
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

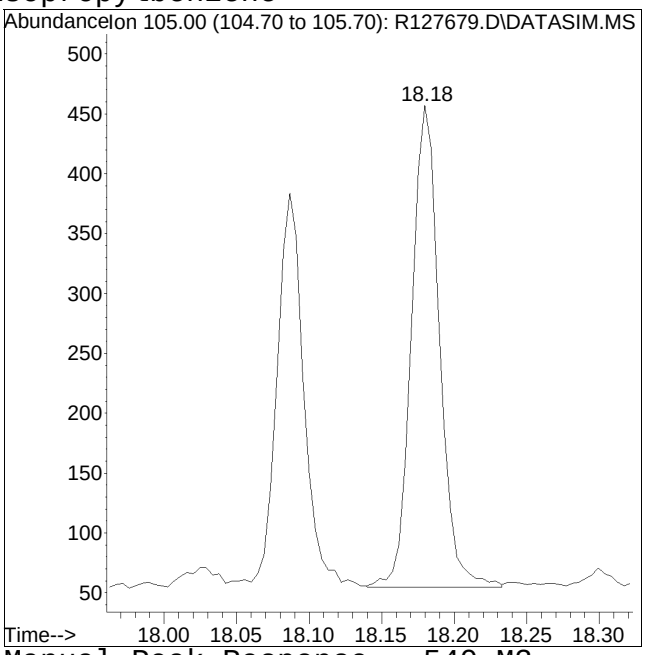
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127679.D
Date Inj'd : 4/16/2013 12:00 am
Sample : L1306330-27D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #65: isopropylbenzene



Original Peak Response = 421



Manual Peak Response = 540 M3

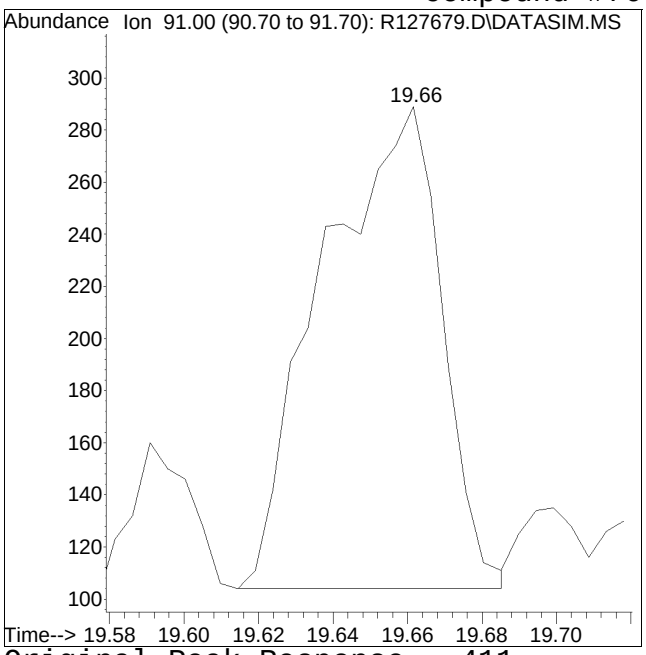
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

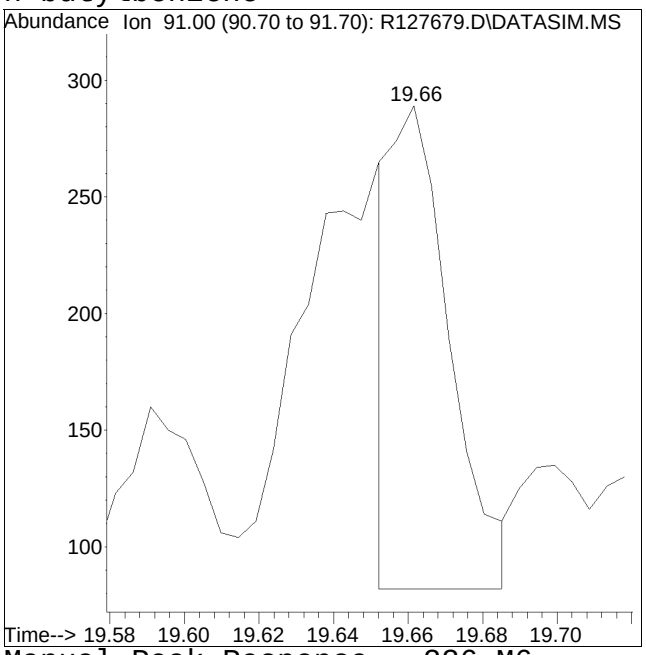
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127679.D
Date Inj'd : 4/16/2013 12:00 am
Sample : L1306330-27D,3,25,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #76: n-butylbenzene



Original Peak Response = 411



Manual Peak Response = 226 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127680.D
Acq On : 16 Apr 2013 12:32 am
Operator : AIRPIANO1:MB
Sample : L1306330-28D,3,200,250
Misc : WG601750,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 17 11:19:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	235316	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 84.79%			
32) 1,4-difluorobenzene	12.49	114	545708	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 95.92%			
49) chlorobenzene-D5	16.90	54	135029	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 97.79%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	11202	0.368	ppbV	100
4) chloromethane	4.40	50	1800	0.112	ppbV	96
5) Freon-114	4.55	85	419	0.013	ppbV #	93
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	781	0.072	ppbV	83
8) bromomethane	5.29		0	N.D.		
9) chloroethane	5.55		0	N.D.		
12) acetone	6.40	43	298460	11.722	ppbV	98
13) trichlorofluoromethane	6.62	101	7098	0.194	ppbV	100
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	8156	0.383	ppbV	99
20) Freon 113	7.99	101	1595	0.063	ppbV	98
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.14	63	1247	0.049	ppbV #	46
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	191014	4.787	ppbV	97
27) cis-1,2-dichloroethene	10.12		0	N.D.		
29) chloroform	10.43	83	871	0.032	ppbV #	83
31) 1,2-dichloroethane	11.27	62	201	0.010	ppbV #	47
35) 1,1,1-trichloroethane	11.56	97	669M4	0.023	ppbV	
36) benzene	12.08	78	5660	0.131	ppbV	96
37) carbon tetrachloride	12.25	117	9160	0.286	ppbV	96
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	13.24		0	N.D.		
42) trichloroethene	13.28	130	1065	0.051	ppbV	95
45) cis-1,3-dichloropropene	14.25		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	85589	1.747	ppbV	99
47) trans-1,3-dichloropropene	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127680.D
Acq On : 16 Apr 2013 12:32 am
Operator : AIRPIANO1:MB
Sample : L1306330-28D,3,200,250
Misc : WG601750,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 17 11:19:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

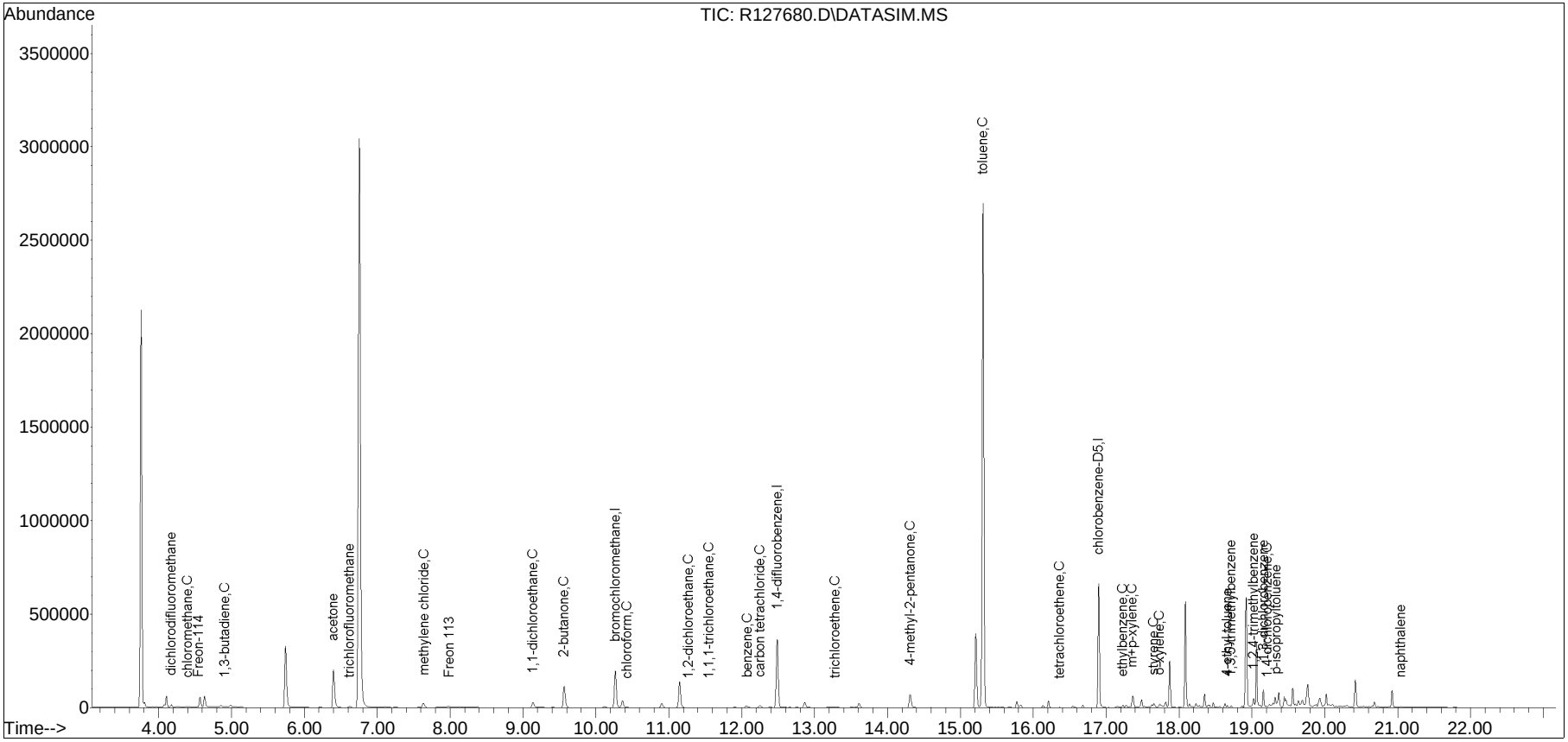
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	2383208M4	43.541	ppbV		
53) dibromochloromethane	15.73		0	N.D.			
54) 1,2-dibromoethane	0.00		0	N.D.	d		
55) tetrachloroethene	16.36	166	753M4	0.027	ppbV		
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	10615	0.151	ppbV		100
59) m+p-xylene	17.36	91	28939	0.531	ppbV		100
60) bromoform	17.45		0	N.D.			
61) styrene	17.65	104	11876	0.281	ppbV		98
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	13075	0.230	ppbV		100
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	8916	0.108	ppbV	#	97
67) 1,3,5-trimethylbenzene	18.72	105	8315	0.123	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.03	105	28084	0.414	ppbV	#	52
71) 1,3-dichlorobenzene	19.16	146	59093	1.151	ppbV		92
72) 1,4-dichlorobenzene	19.21	146	2286	0.044	ppbV	#	72
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34	119	6366	0.068	ppbV		98
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.04	128	5830M6	0.059	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

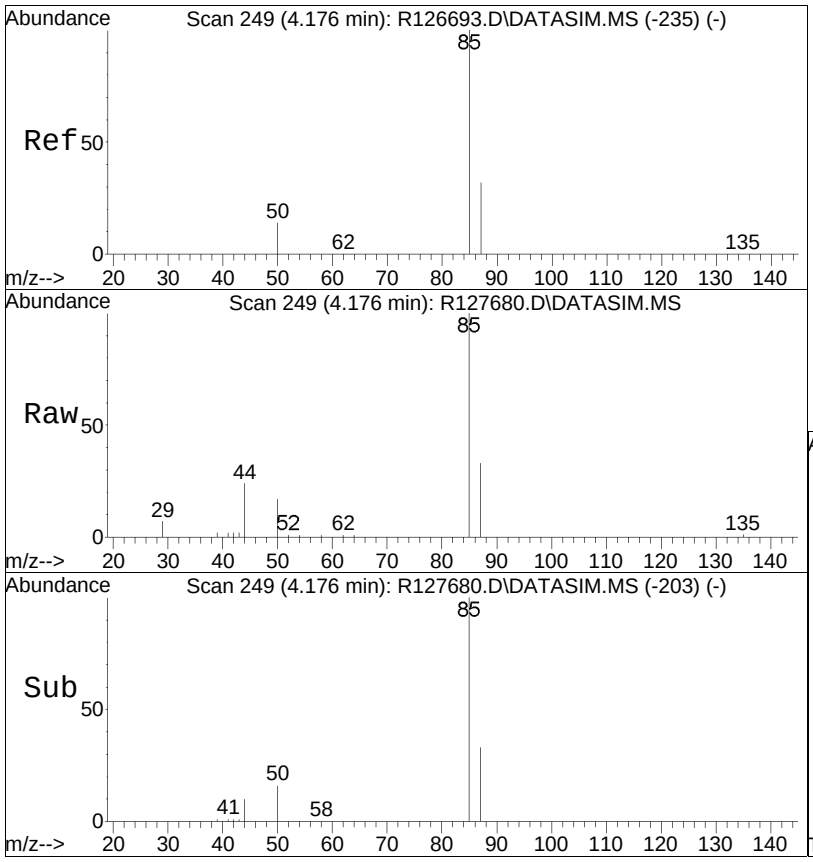
Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127680.D
Acq On : 16 Apr 2013 12:32 am
Operator : AIRPIANO1:MB
Sample : L1306330-28D,3,200,250
Misc : WG601750,ICAL7910
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 17 11:19:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration



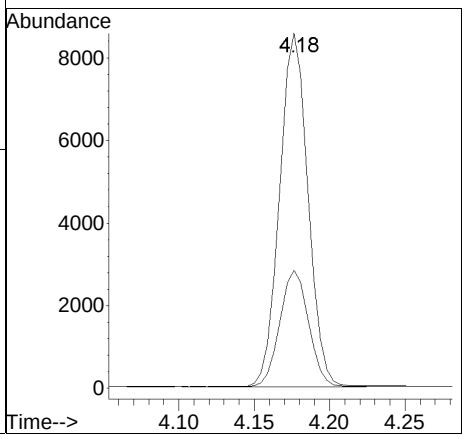
TSIM130402.M Wed Apr 17 11:27:24 2013 Page 3

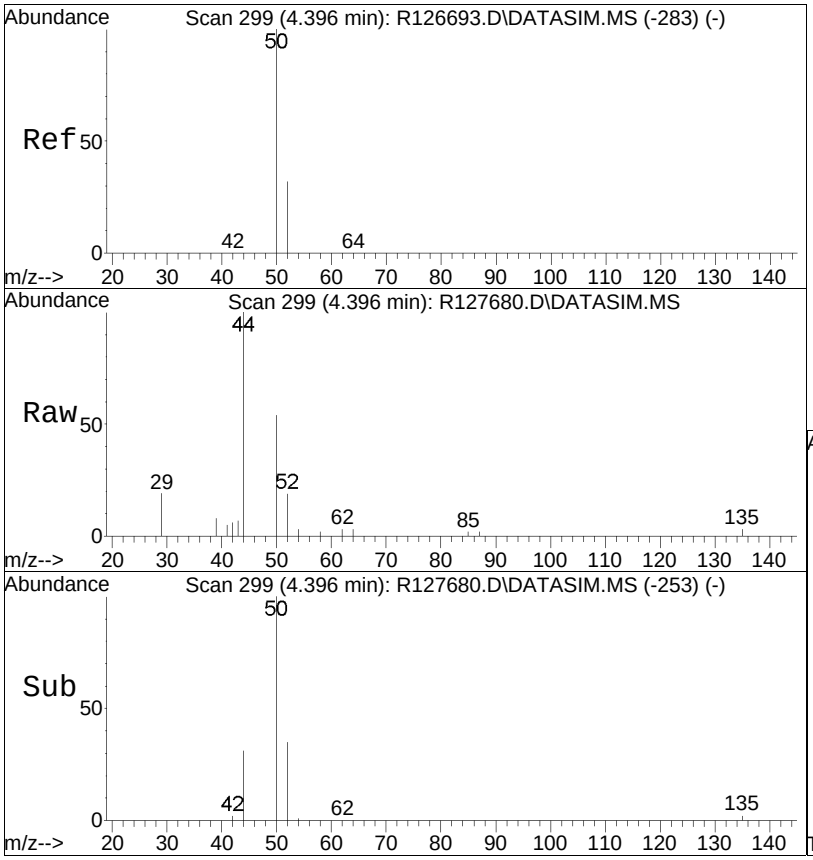


#3
dichlorodifluoromethane
Concen: 0.37 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 85 Resp: 11202

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.6	40.0

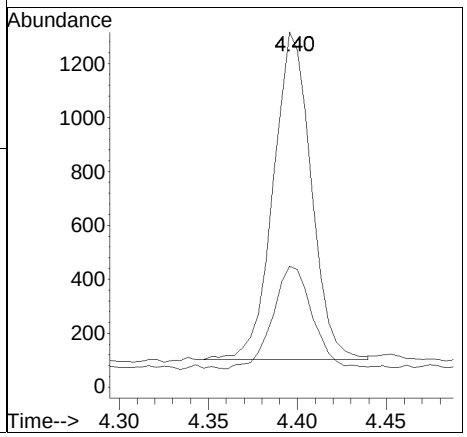


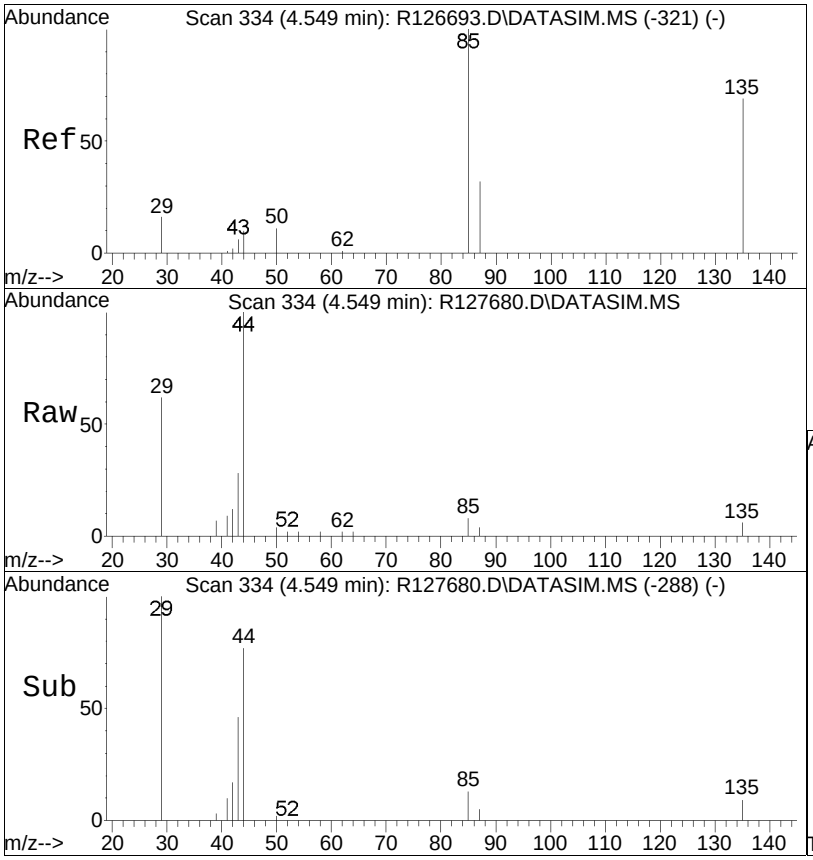


#4
chloromethane
Concen: 0.11 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 50 Resp: 1800

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.3	37.9

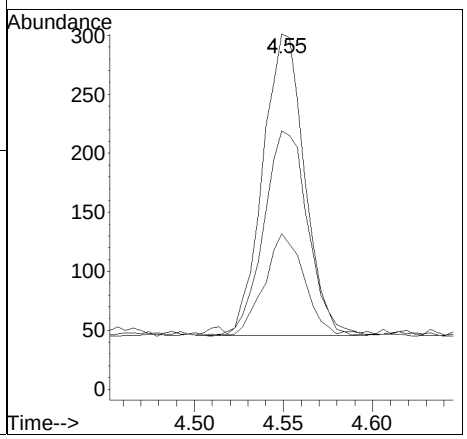


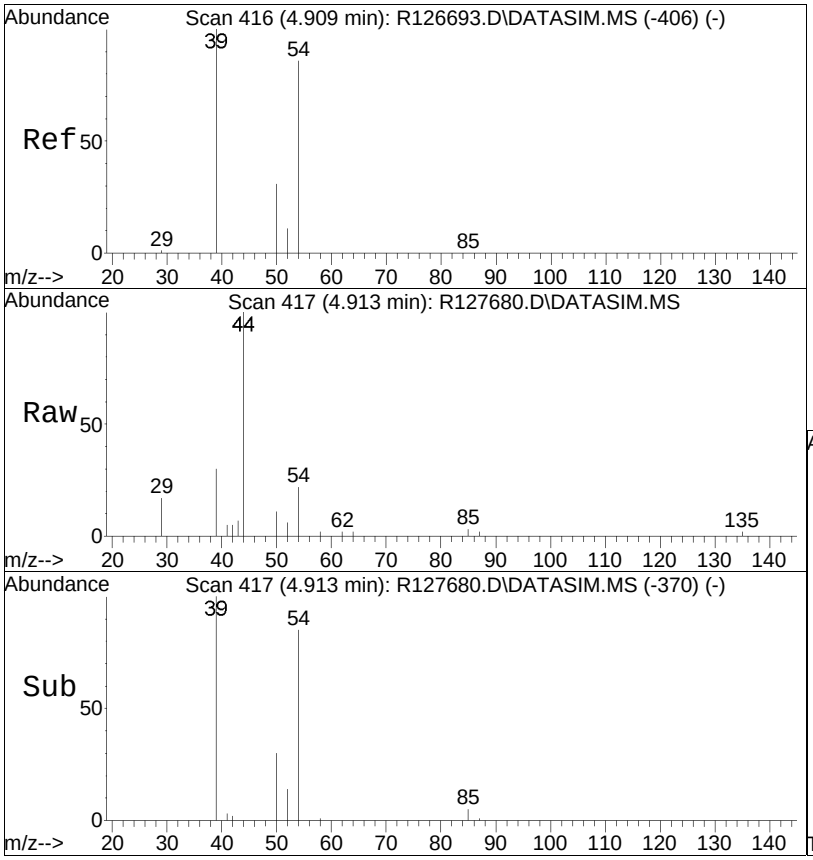


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 85 Resp: 419

Ion	Ratio	Lower	Upper
85	100		
87	43.9	26.5	39.7#
135	72.8	56.9	85.3

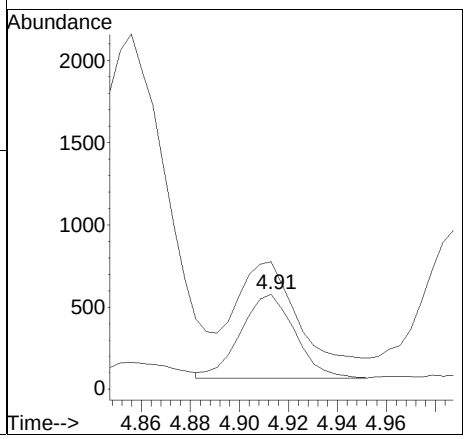


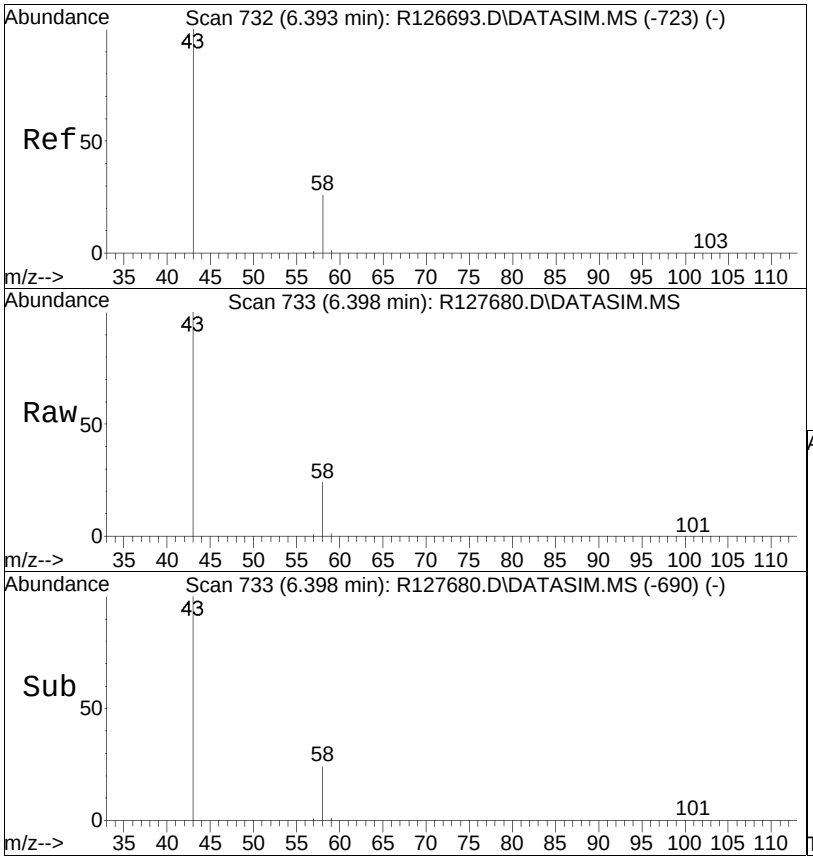


#7
1,3-butadiene
Concen: 0.07 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 54 Resp: 781

Ion	Ratio	Lower	Upper
54	100		
39	134.3	92.4	138.6

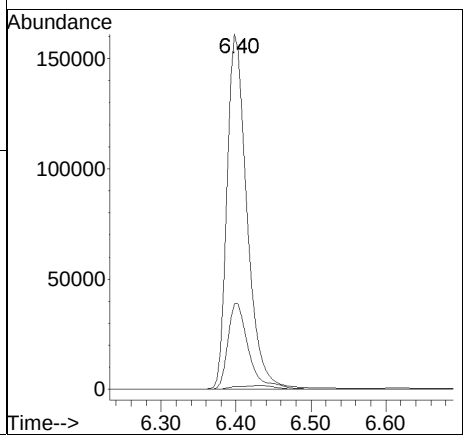


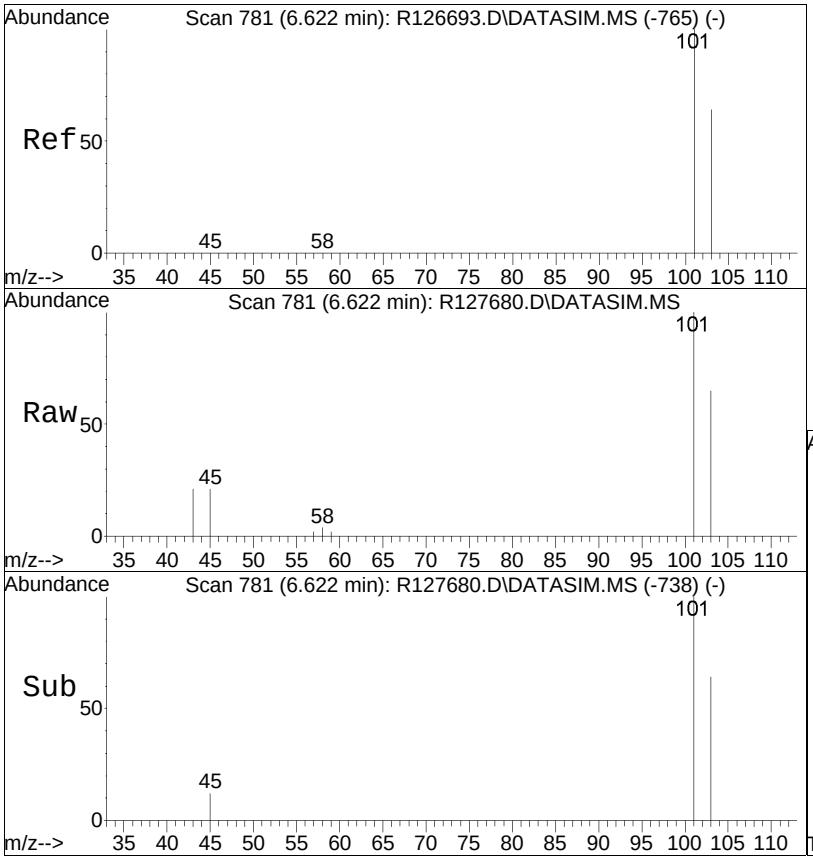


#12
acetone
Concen: 11.72 ppbV
RT: 6.40 min Scan# 733
Delta R.T. 0.005 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 43 Resp: 298460

Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.0	30.0
57	0.8	0.6	1.0

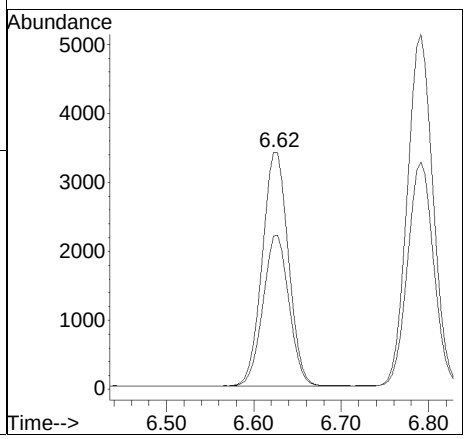


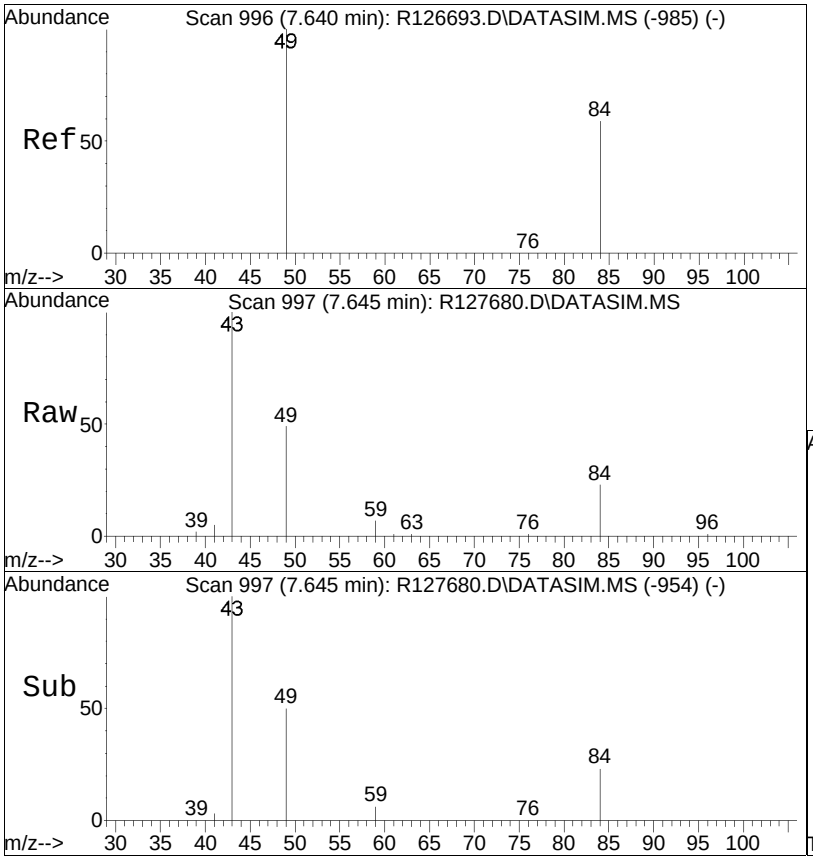


#13
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:101 Resp: 7098

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

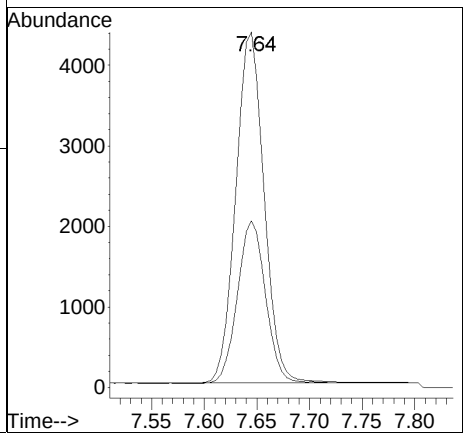


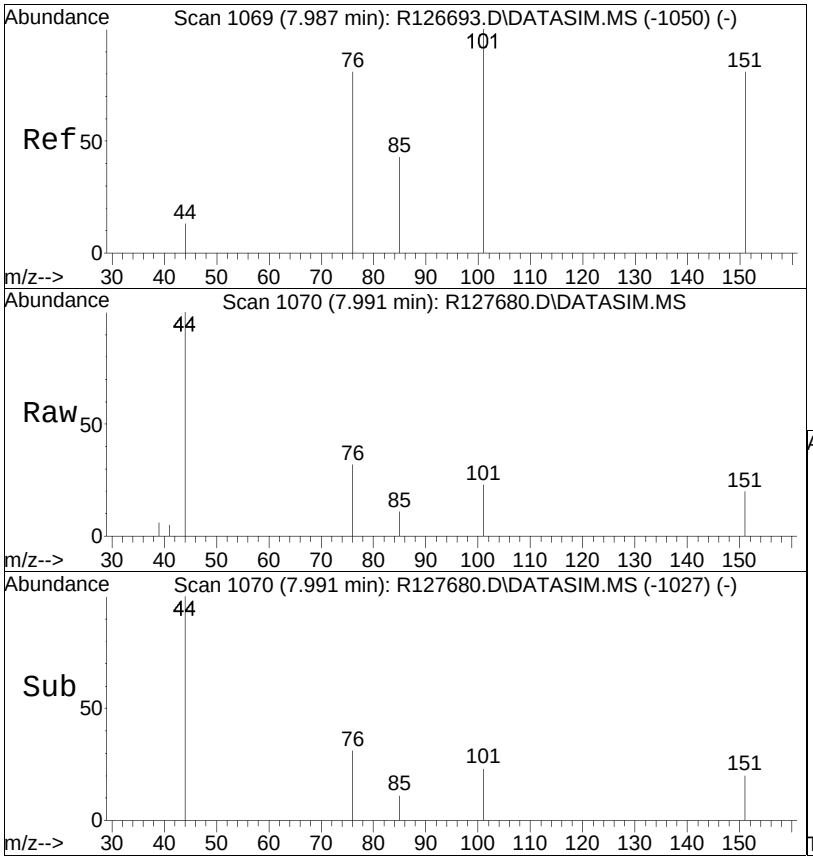


#17
methylene chloride
Concen: 0.38 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 49 Resp: 8156

Ion	Ratio	Lower	Upper
49	100		
84	46.9	37.2	55.8

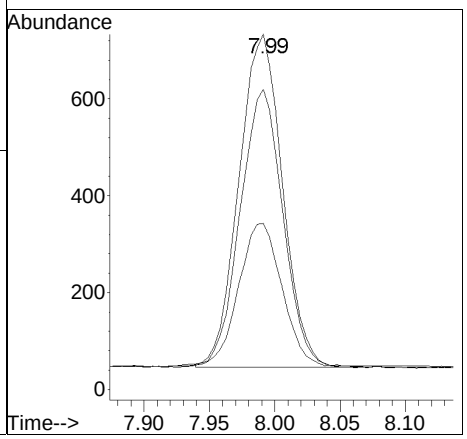


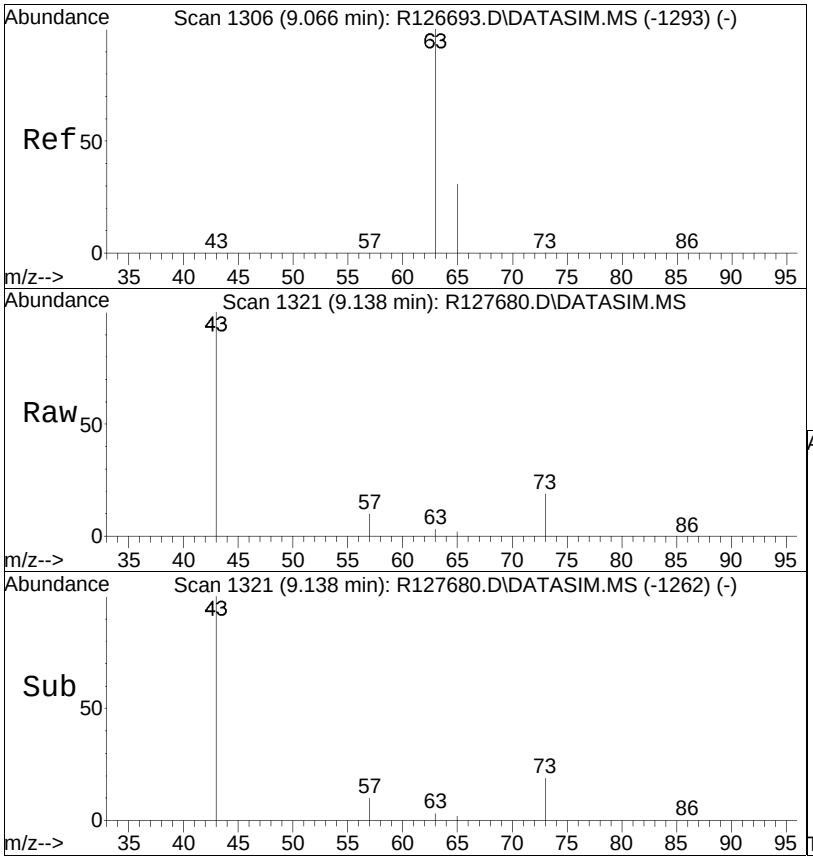


#20
Freon 113
Concen: 0.06 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:101 Resp: 1595

Ion	Ratio	Lower	Upper
101	100		
85	46.7	34.2	51.2
151	84.5	67.8	101.8

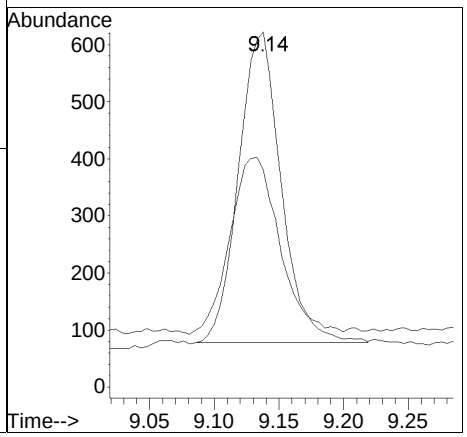


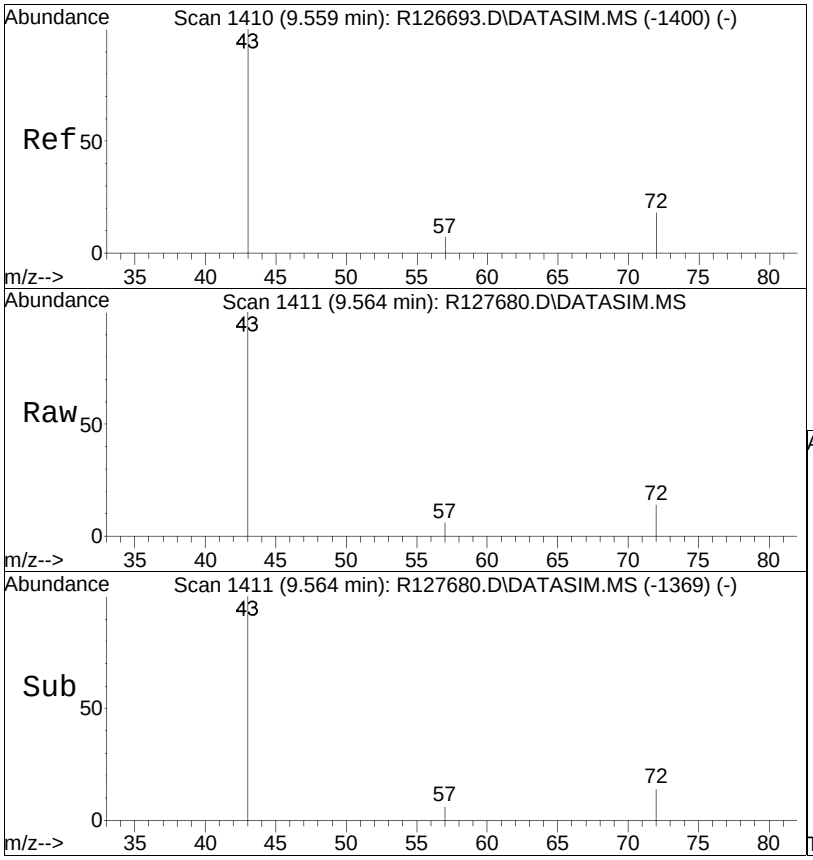


#23
1,1-dichloroethane
Concen: 0.05 ppbV
RT: 9.14 min Scan# 1321
Delta R.T. 0.071 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 63 Resp: 1247

Ion	Ratio	Lower	Upper
63	100		
65	61.1	25.0	37.4#

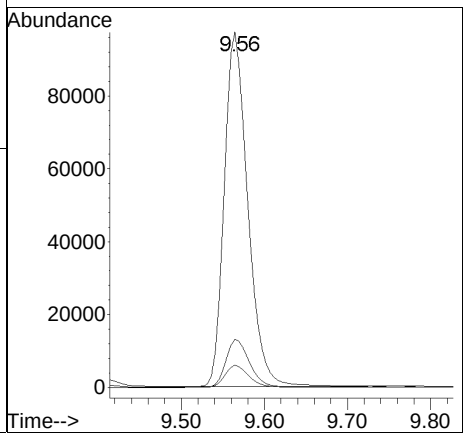


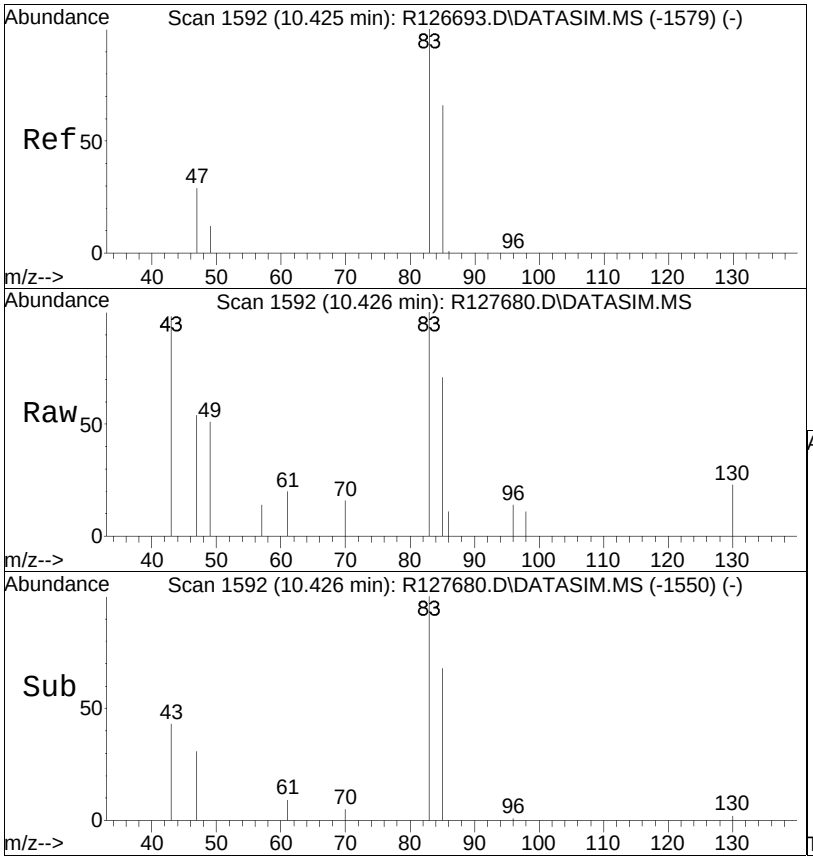


#26
2-butanone
Concen: 4.79 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 43 Resp: 191014

Ion	Ratio	Lower	Upper
43	100		
72	13.5	12.0	18.0
57	6.3	5.2	7.8

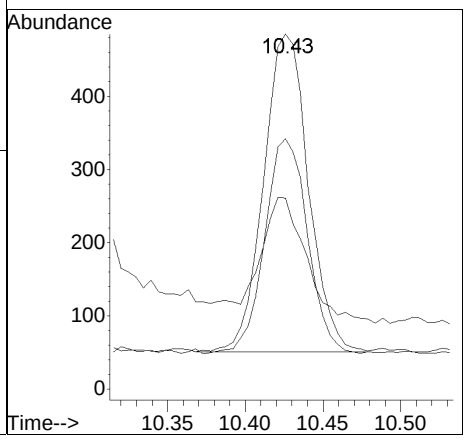


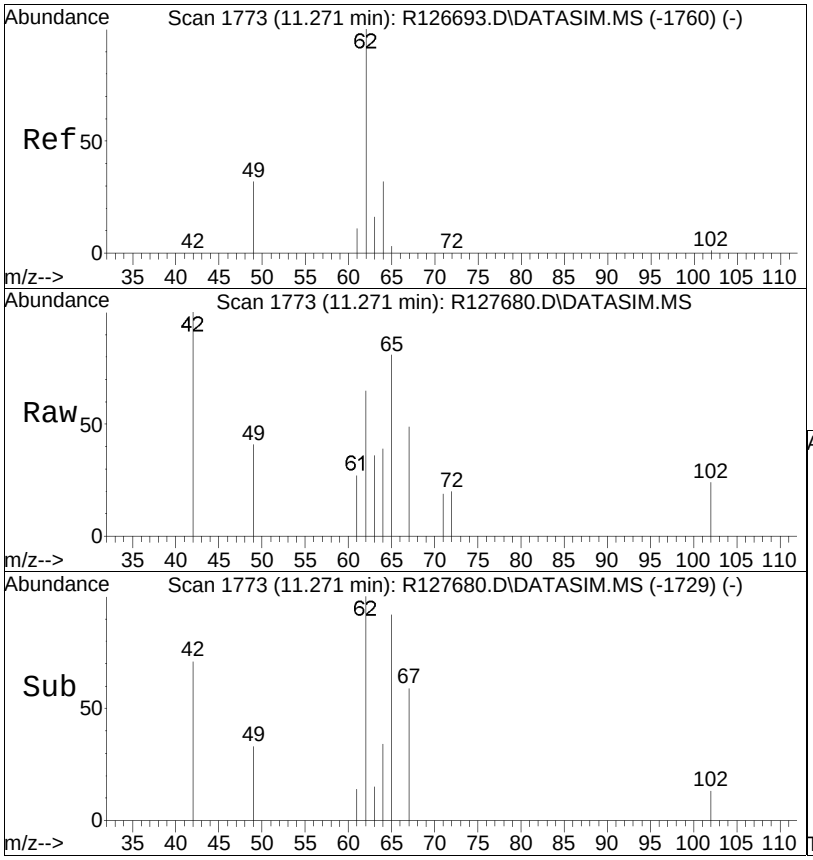


#29
chloroform
Concen: 0.03 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 83 Resp: 871

Ion	Ratio	Lower	Upper
83	100		
85	70.5	52.2	78.2
47	53.8	26.4	39.6#

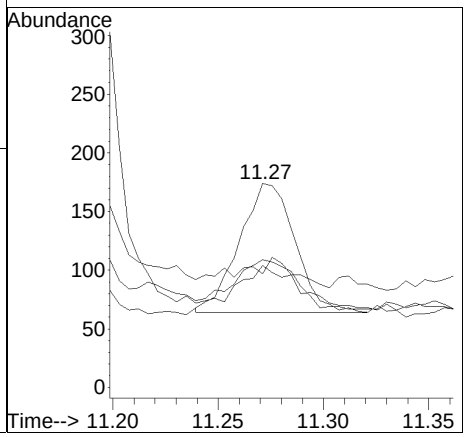


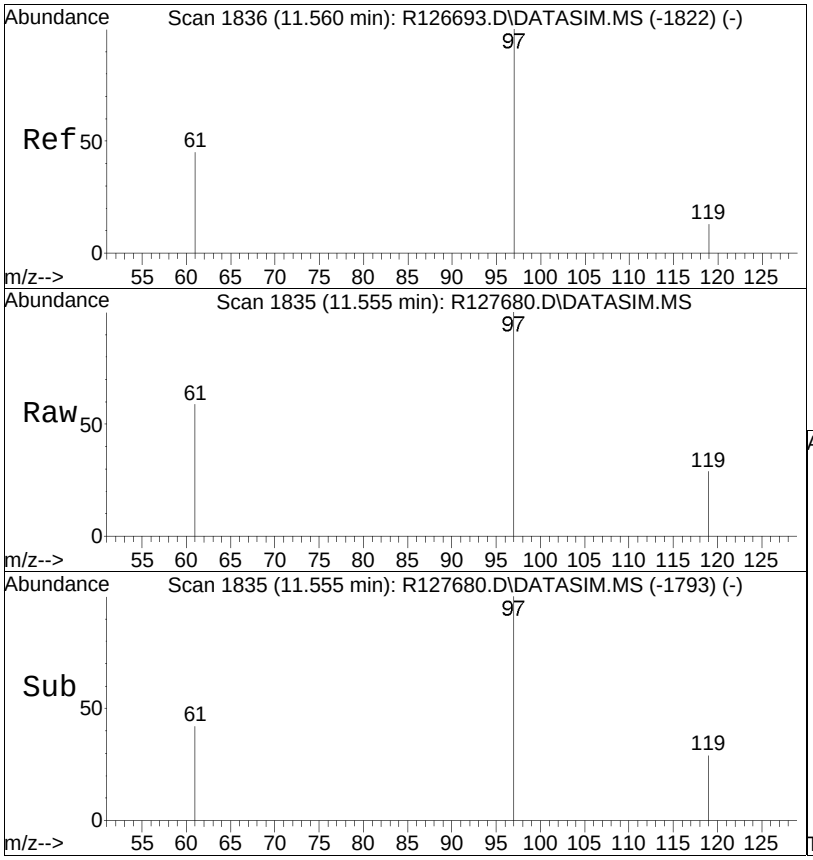


#31
1,2-dichloroethane
Concen: 0.01 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 62 Resp: 201

Ion	Ratio	Lower	Upper
62	100		
64	59.8	25.0	37.6#
49	62.6	31.2	46.8#
63	55.7	13.3	19.9#

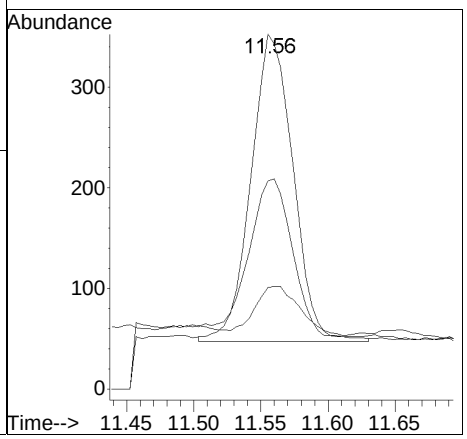


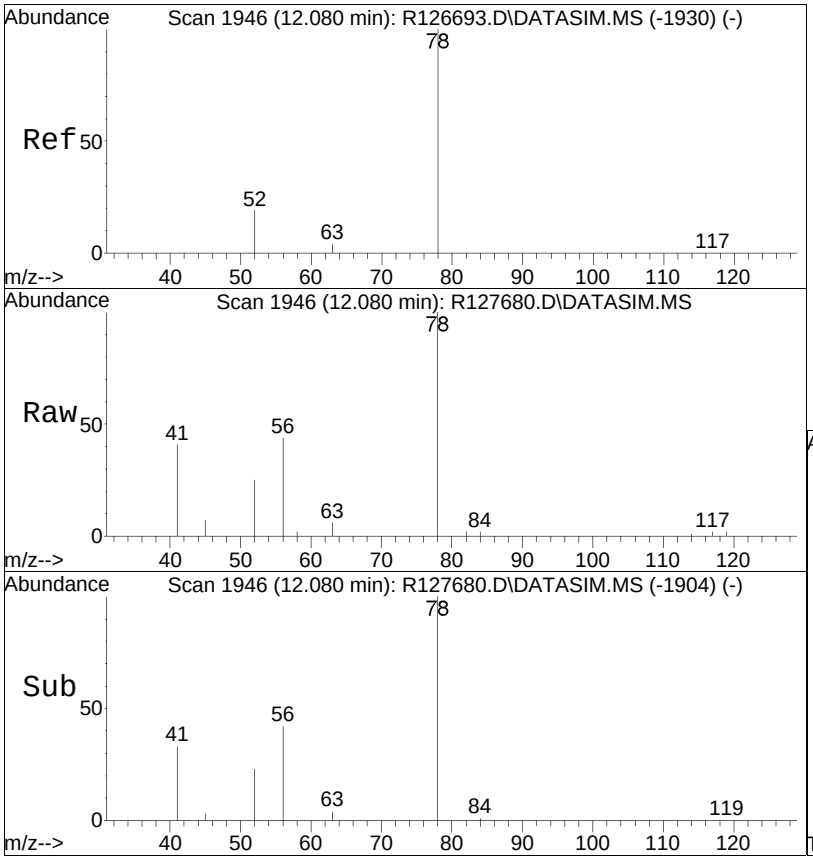


#35
1,1,1-trichloroethane
Concen: 0.02 ppbV m
RT: 11.56 min Scan# 1835
Delta R.T. -0.005 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 97 Resp: 669

Ion	Ratio	Lower	Upper
97	100		
61	58.6	38.6	58.0#
119	28.6	11.0	16.6#

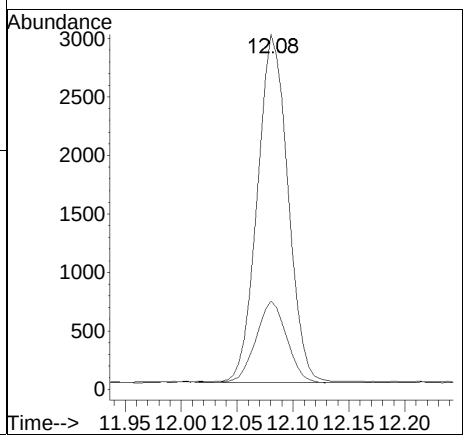


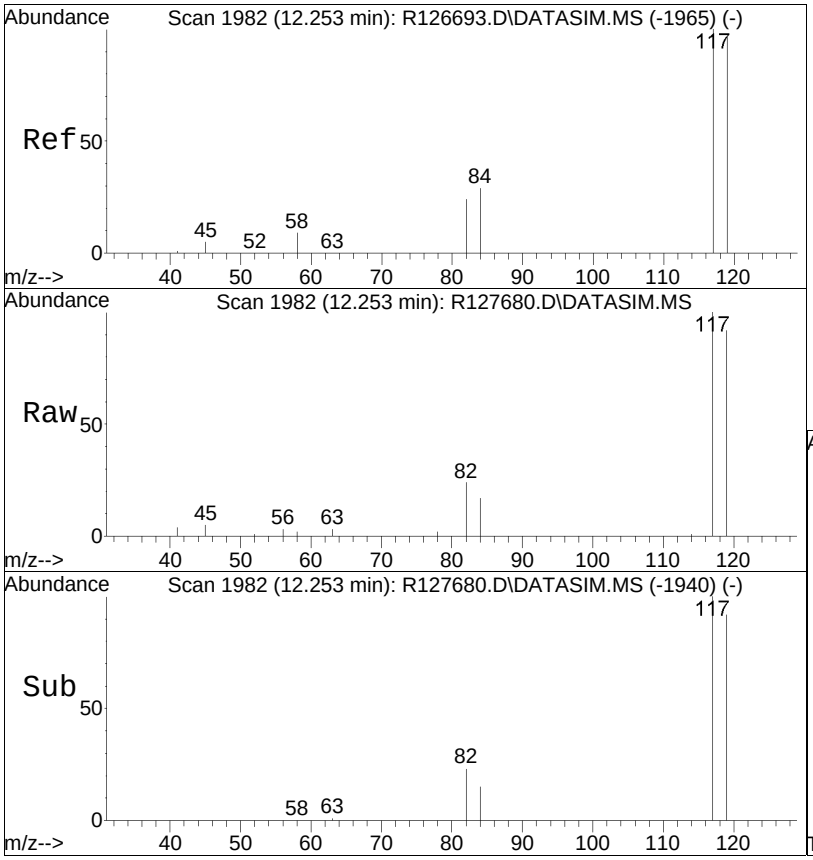


#36
benzene
Concen: 0.13 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 78 Resp: 5660

Ion	Ratio	Lower	Upper
78	100		
52	24.9	18.5	27.7

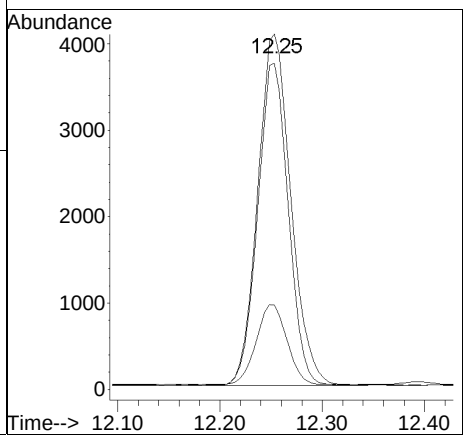


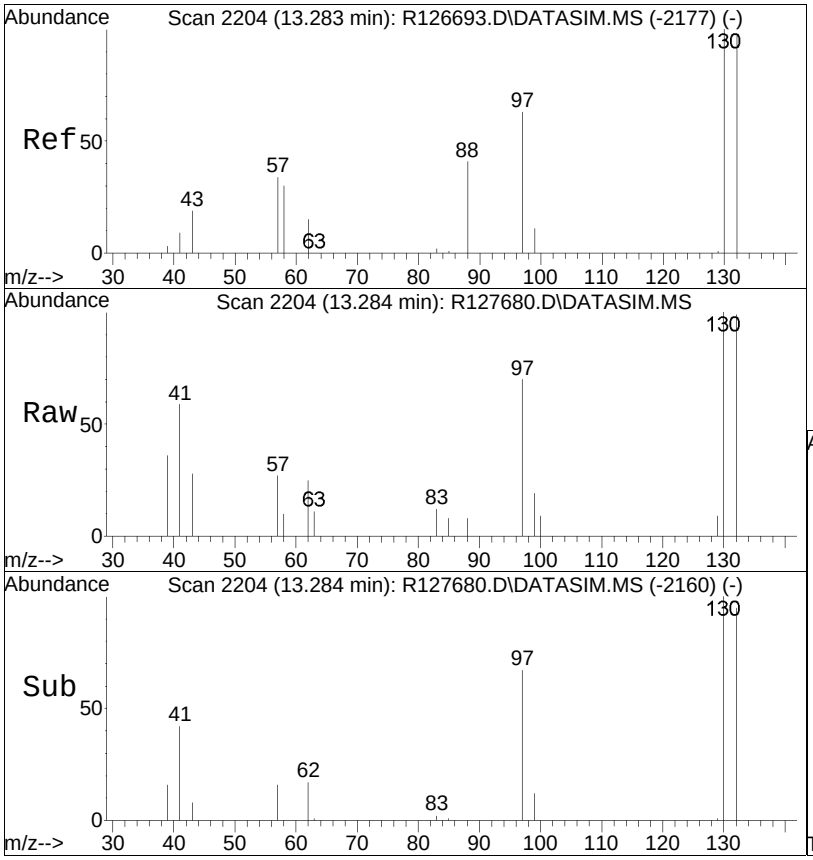


#37
carbon tetrachloride
Concen: 0.29 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:117 Resp: 9160

Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.4	116.0
82	23.8	18.2	27.2

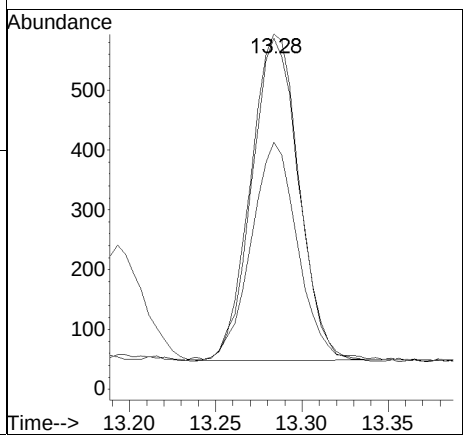


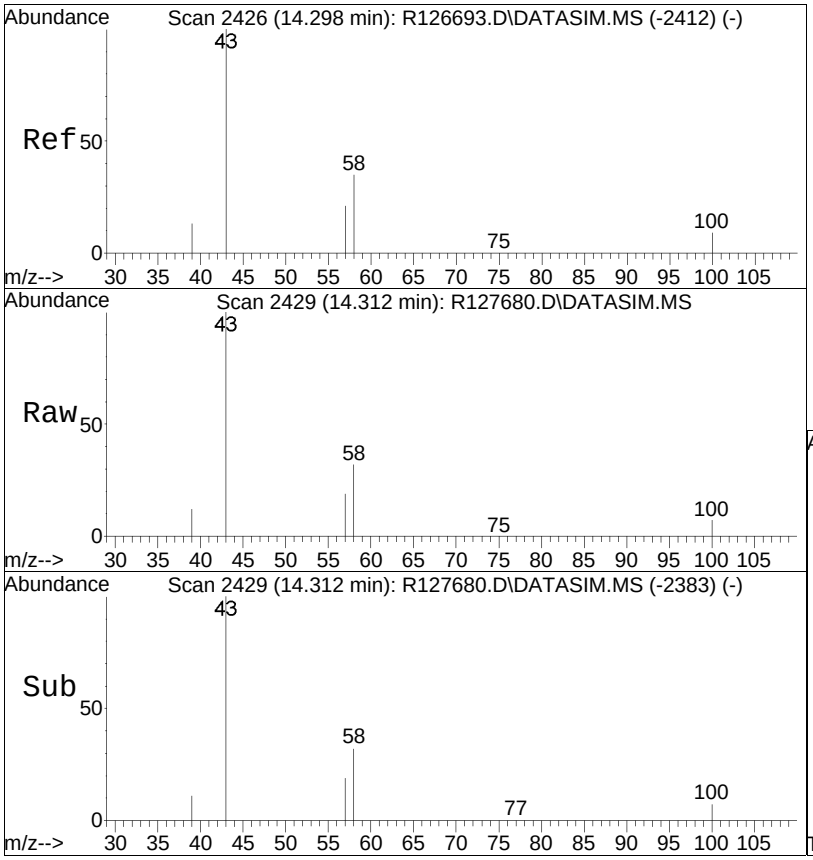


#42
trichloroethene
Concen: 0.05 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:130 Resp: 1065

Ion	Ratio	Lower	Upper
130	100		
132	98.8	77.3	115.9
97	69.5	50.6	75.8

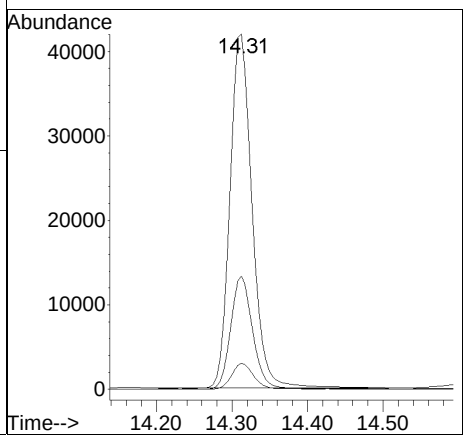


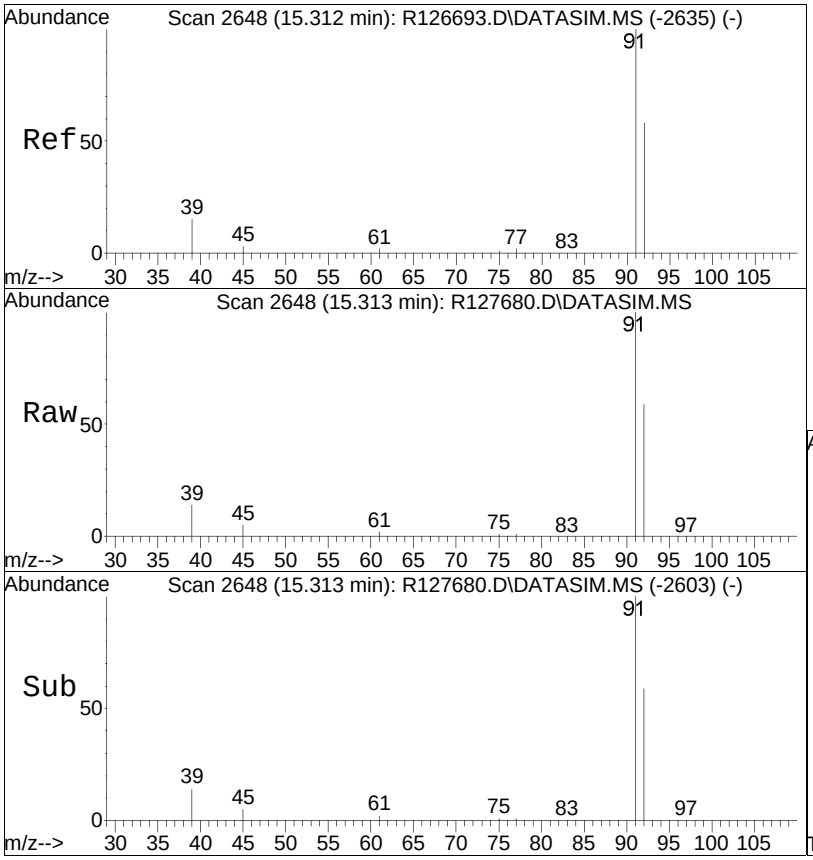


#46
4-methyl-2-pentanone
Concen: 1.75 ppbV
RT: 14.31 min Scan# 2429
Delta R.T. 0.014 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 43 Resp: 85589

Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.0	39.0
100	7.4	5.8	8.6

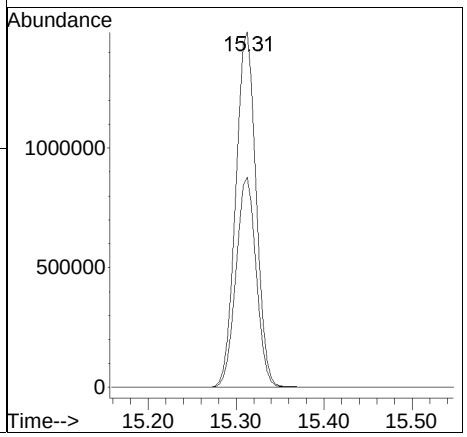


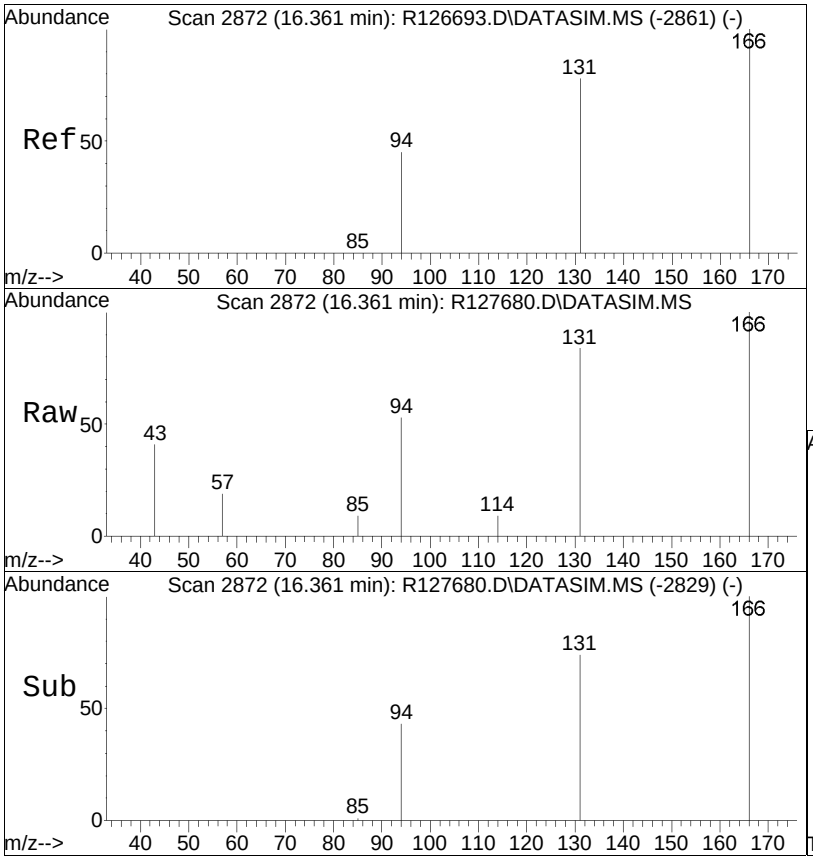


#50
toluene
Concen: 43.54 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 91 Resp: 2383208

Ion	Ratio	Lower	Upper
91	100		
92	59.2	46.4	69.6

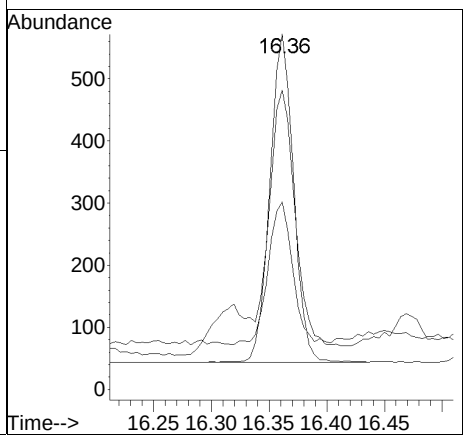


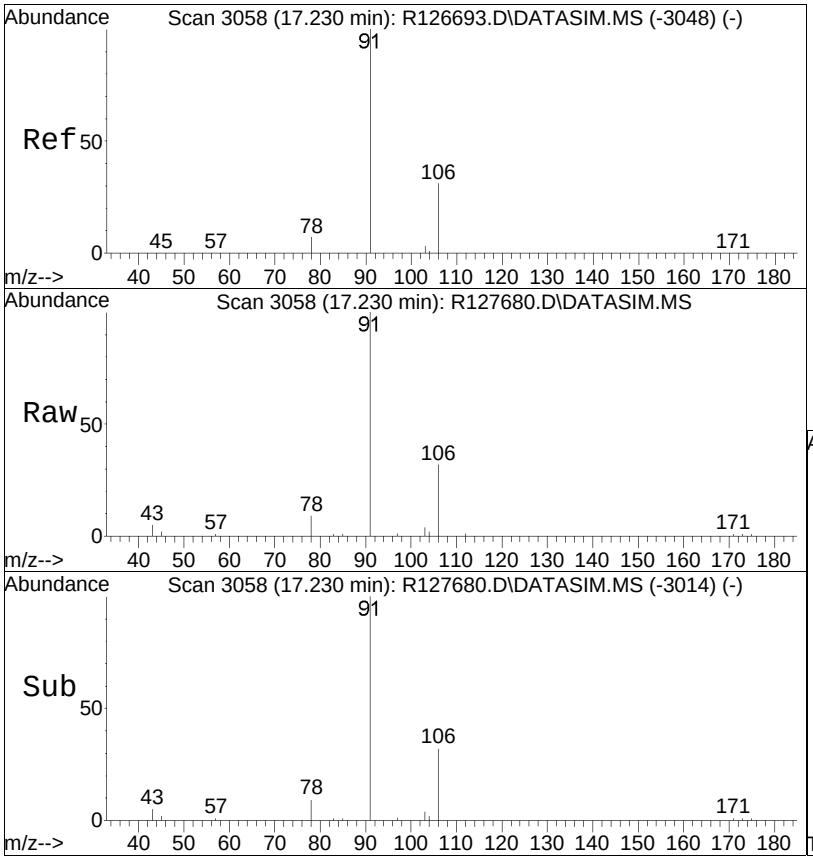


#55
tetrachloroethene
Concen: 0.03 ppbV m
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:166 Resp: 753

Ion	Ratio	Lower	Upper
166	100		
131	84.3	60.6	90.8
94	52.8	32.2	48.2#

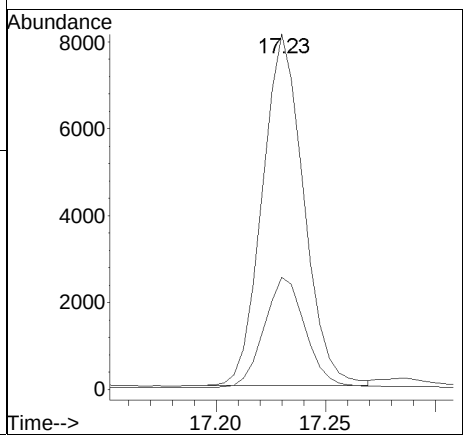


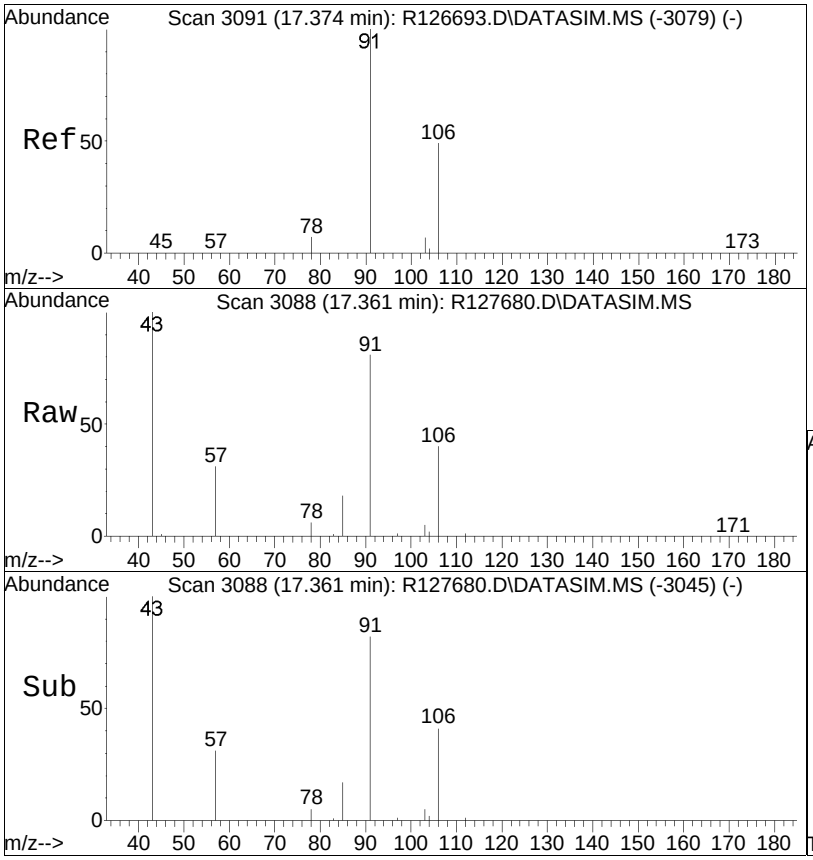


#58
ethylbenzene
Concen: 0.15 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 91 Resp: 10615

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9

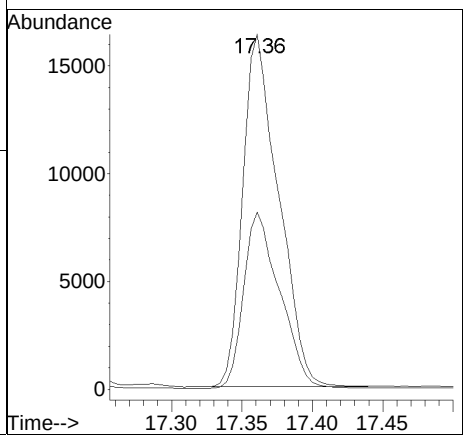


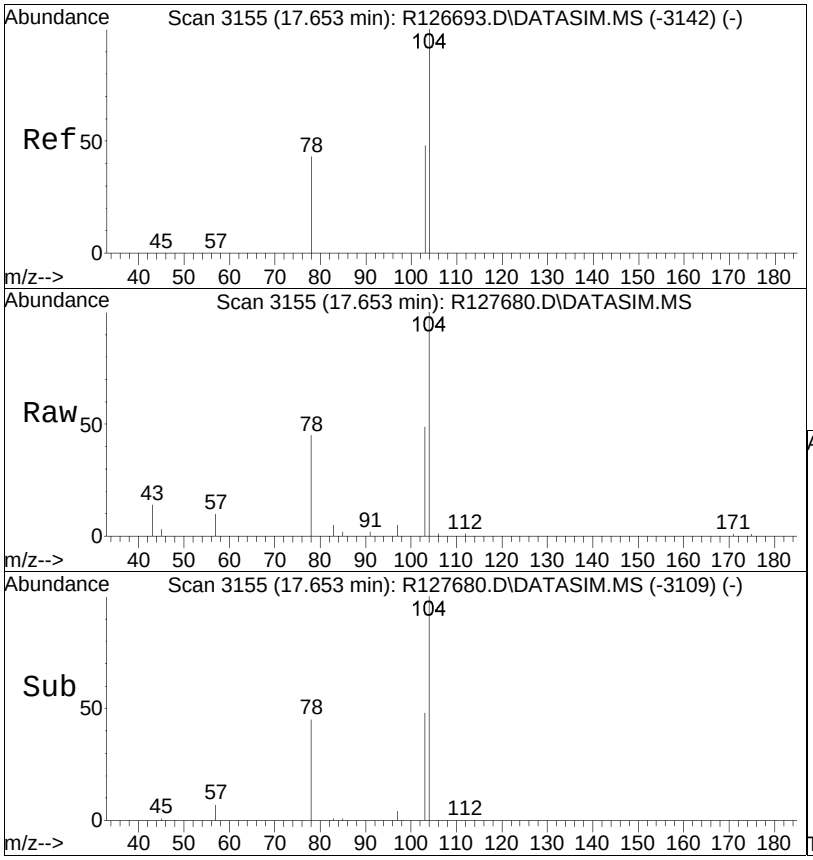


#59
m+p-xylene
Concen: 0.53 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 91 Resp: 28939

Ion	Ratio	Lower	Upper
91	100		
106	49.9	40.0	60.0

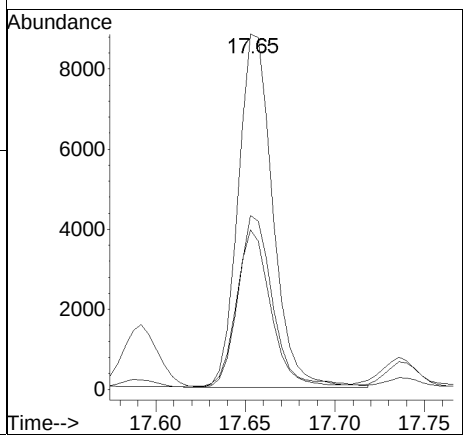


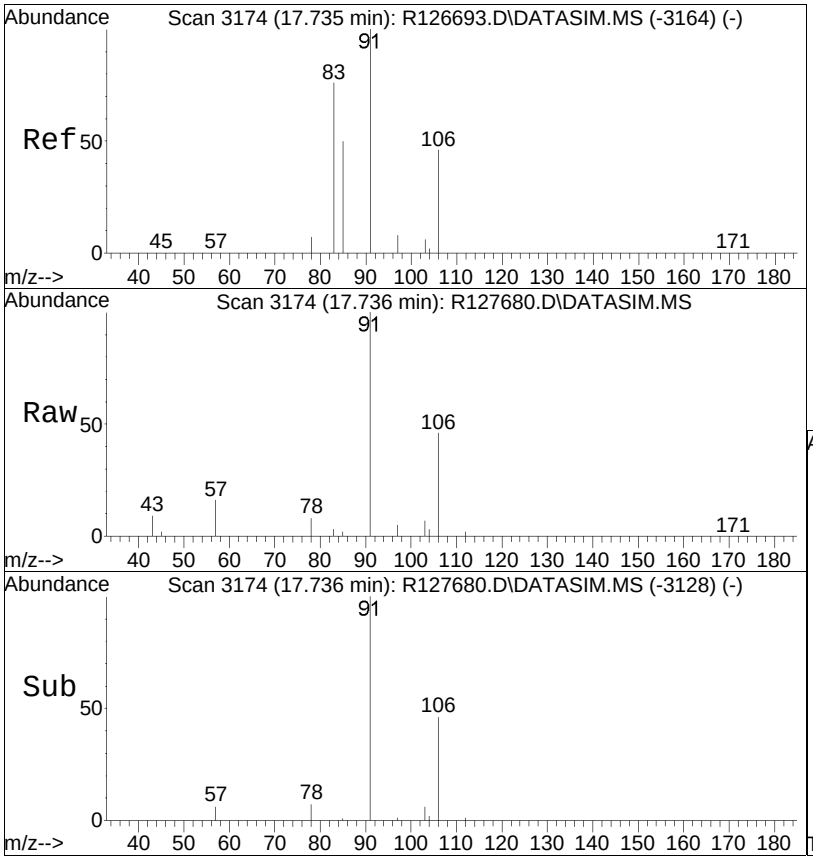


#61
styrene
Concen: 0.28 ppbV
RT: 17.65 min Scan# 3155
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:104 Resp: 11876

Ion	Ratio	Lower	Upper
104	100		
103	49.0	38.3	57.5
78	44.9	35.0	52.6

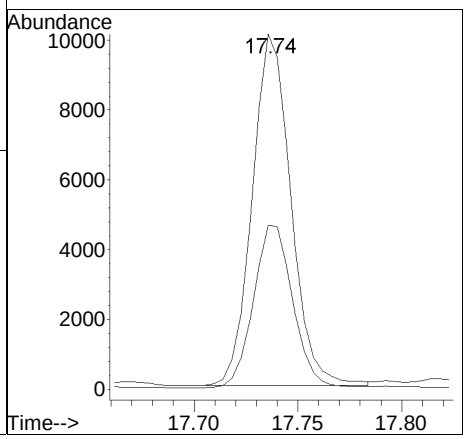


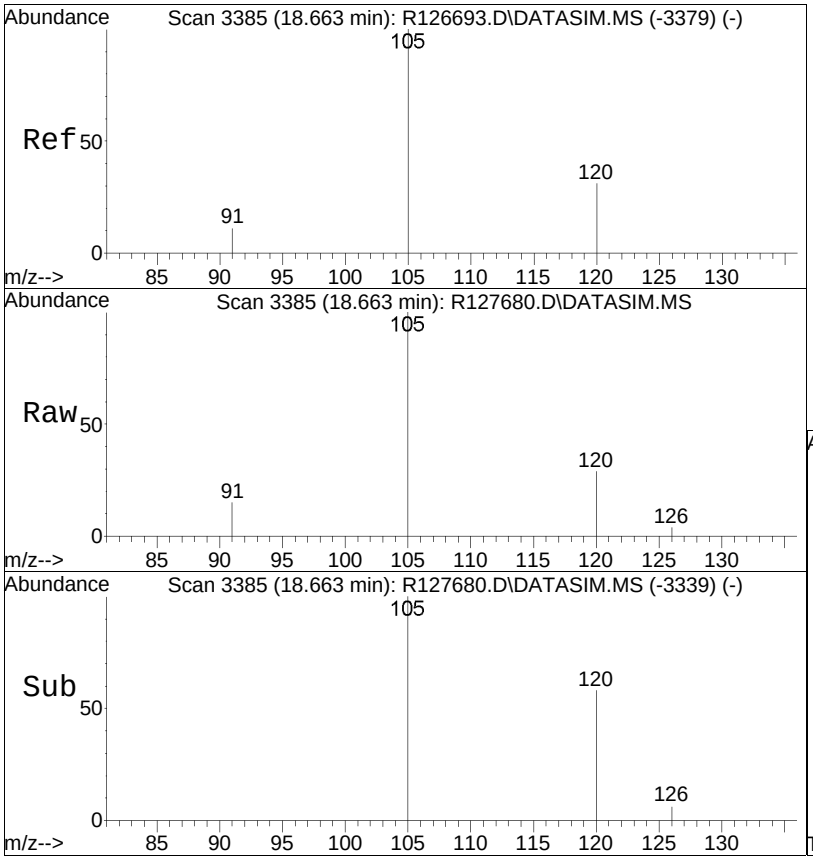


#63
o-xylene
Concen: 0.23 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion: 91 Resp: 13075

Ion	Ratio	Lower	Upper
91	100		
106	46.2	37.1	55.7

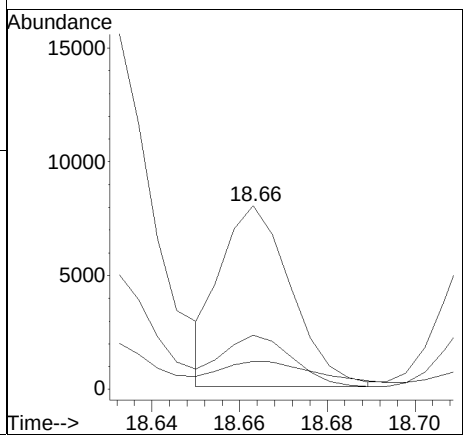


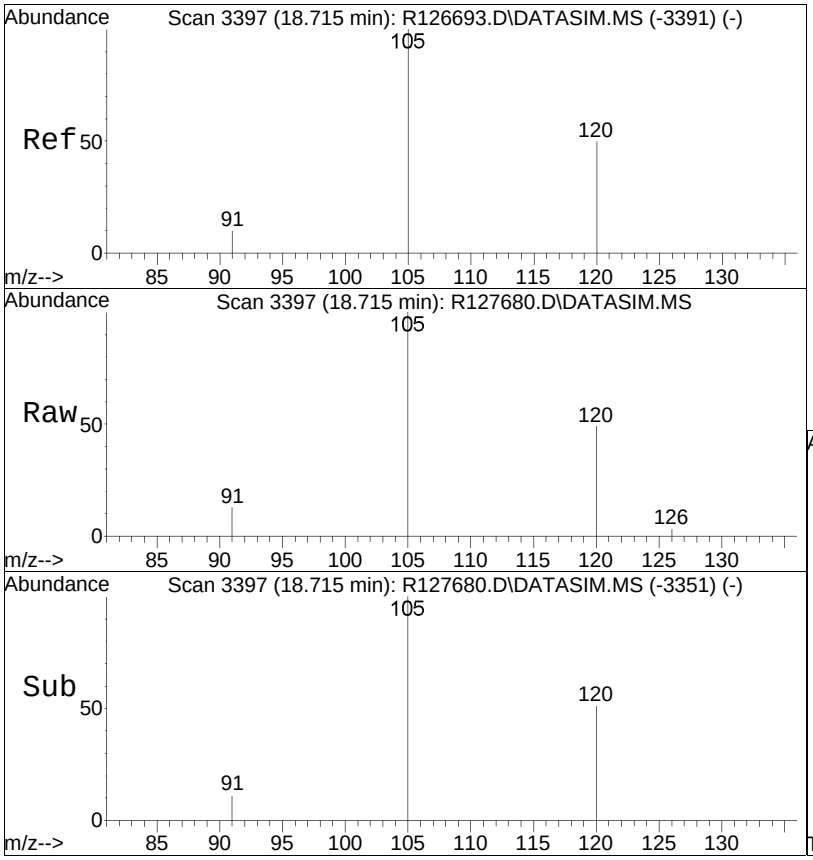


#66
4-ethyl toluene
Concen: 0.11 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:105 Resp: 8916

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.7	35.5
91	15.2	8.5	12.7#

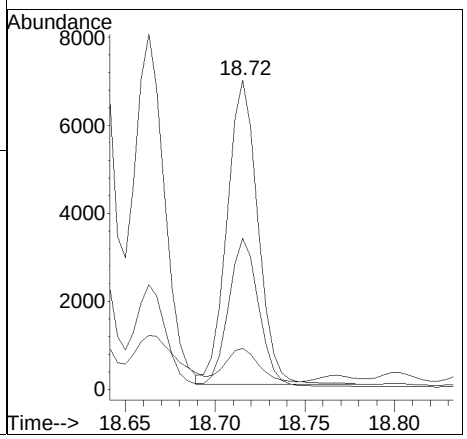


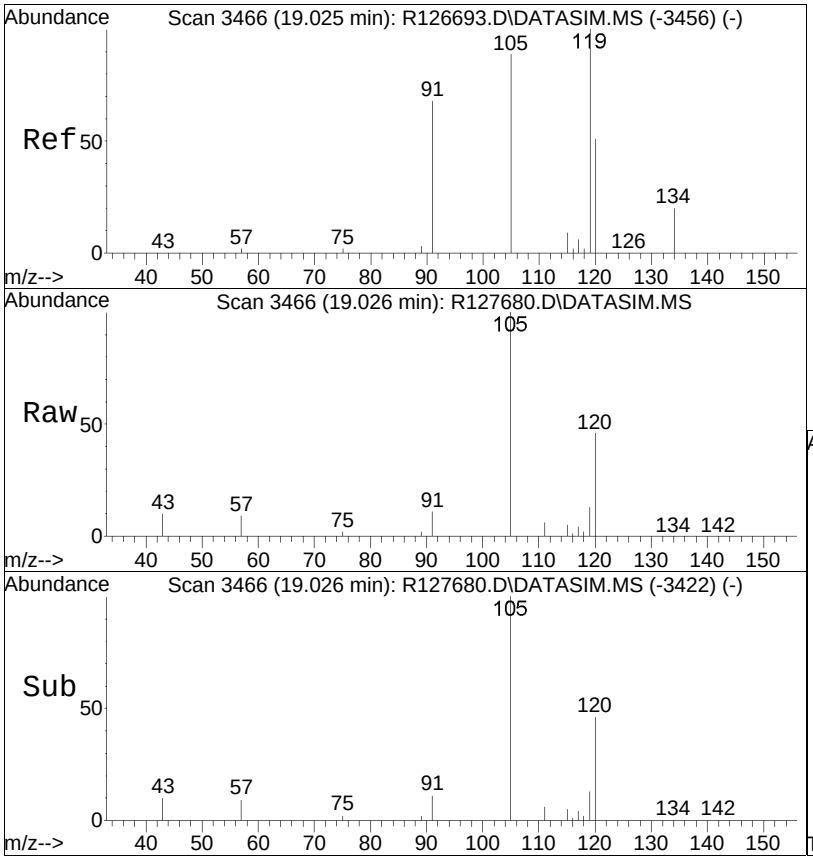


#67
1,3,5-trimethylbenzene
Concen: 0.12 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:105 Resp: 8315

Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.0	58.4
91	13.3	8.0	12.0#

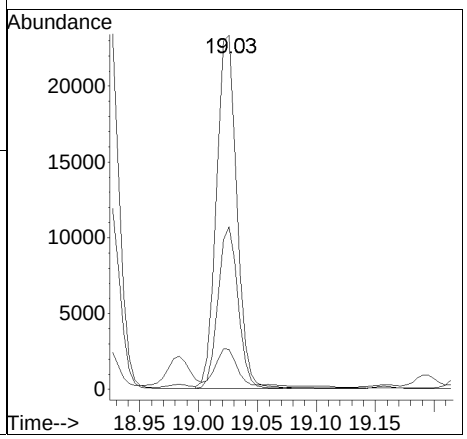


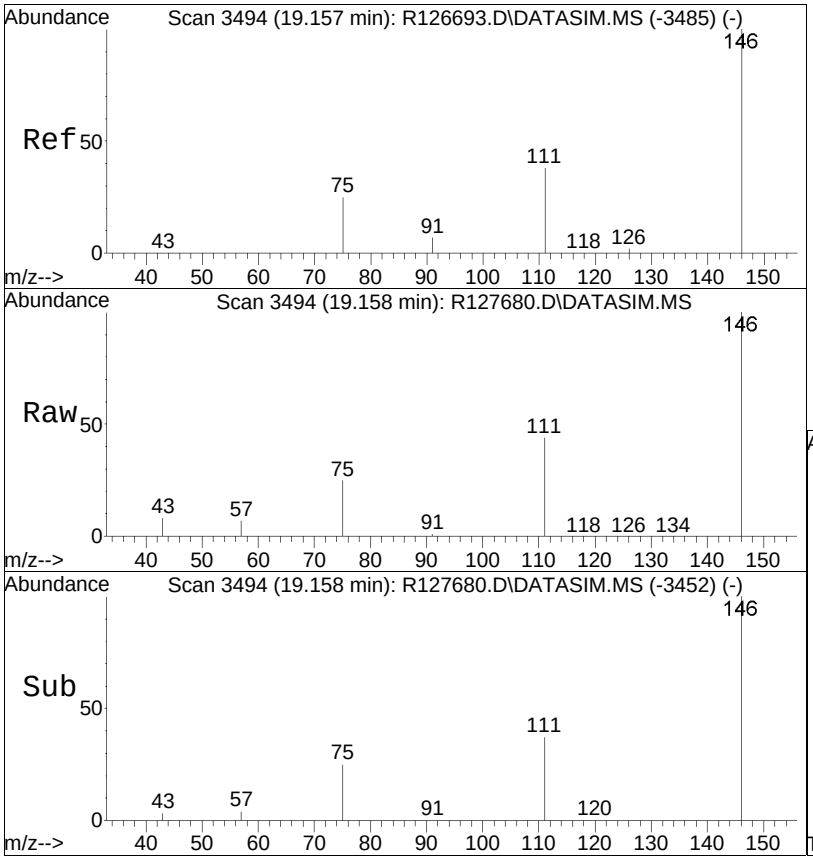


#69
1,2,4-trimethylbenzene
Concen: 0.41 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:105 Resp: 28084

Ion	Ratio	Lower	Upper
105	100		
120	45.9	44.9	67.3
91	11.3	58.6	88.0#

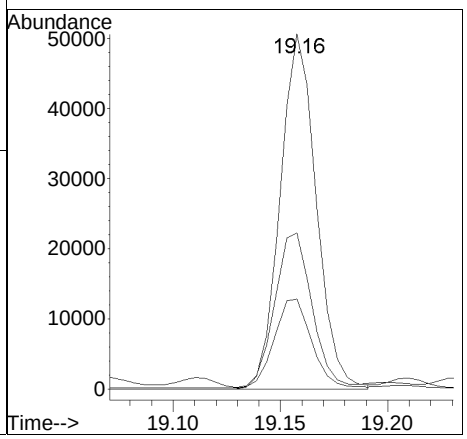


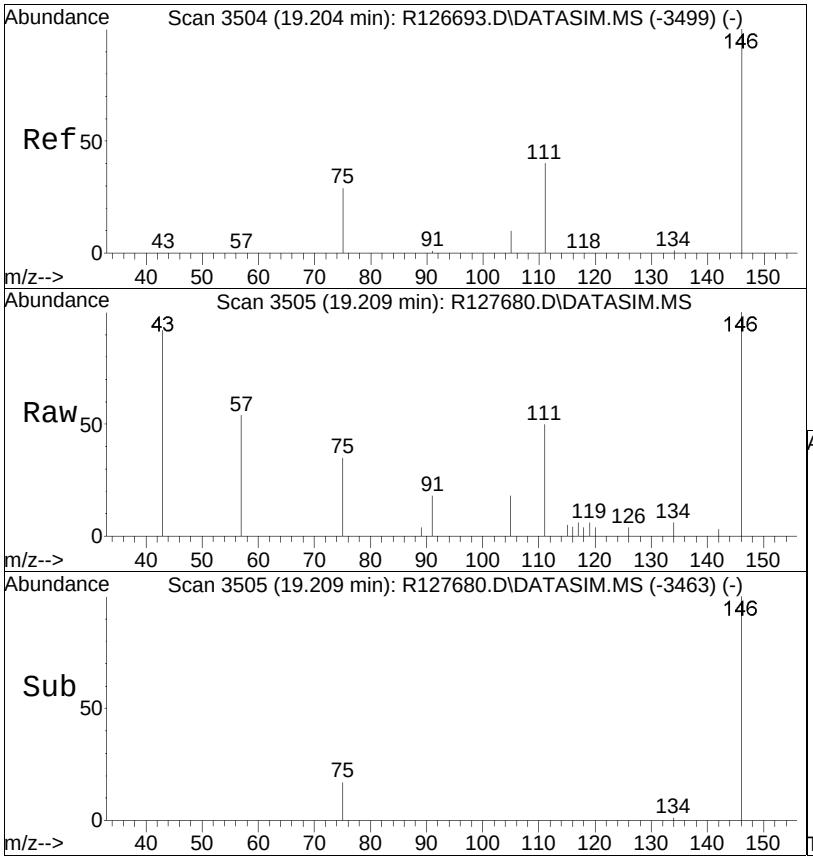


#71
1,3-dichlorobenzene
Concen: 1.15 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:146 Resp: 59093

Ion	Ratio	Lower	Upper
146	100		
111	44.0	29.5	44.3
75	25.5	19.5	29.3

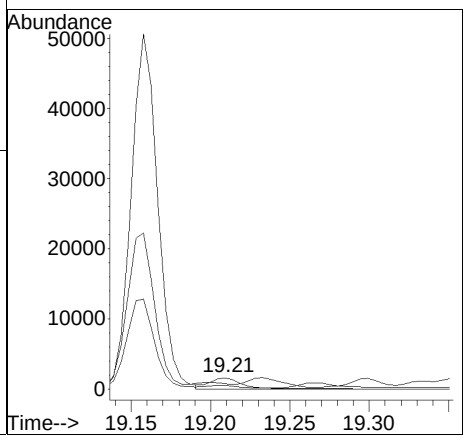


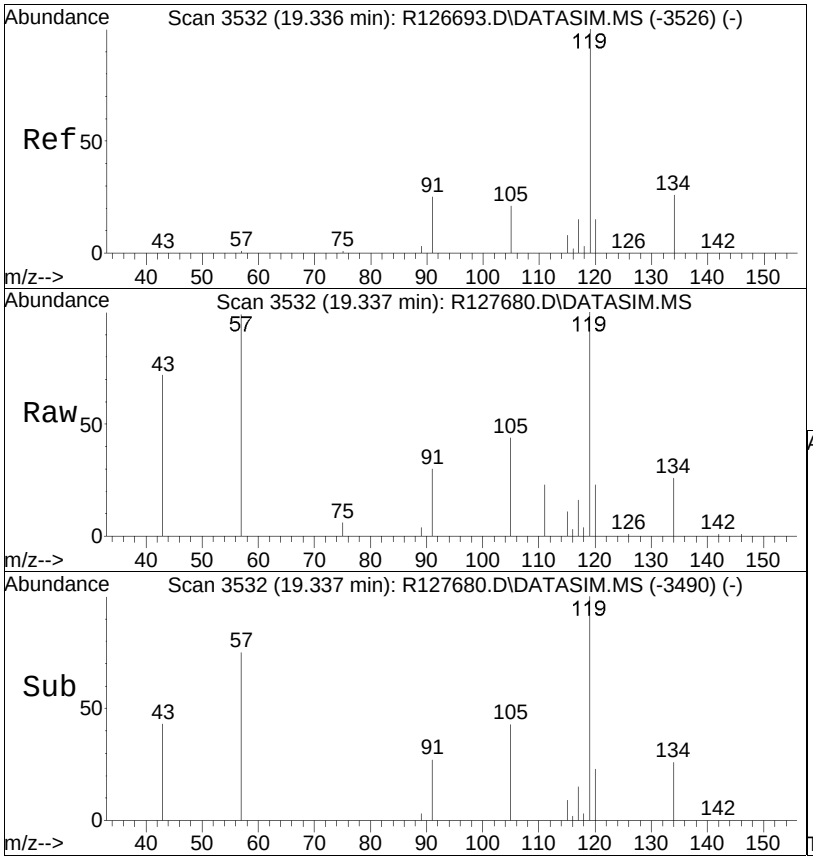


#72
1,4-dichlorobenzene
Concen: 0.04 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:146 Resp: 2286

Ion	Ratio	Lower	Upper
146	100		
111	49.6	26.4	39.6#
75	35.2	18.0	27.0#

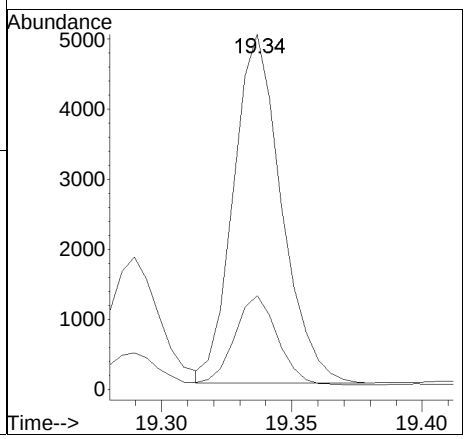


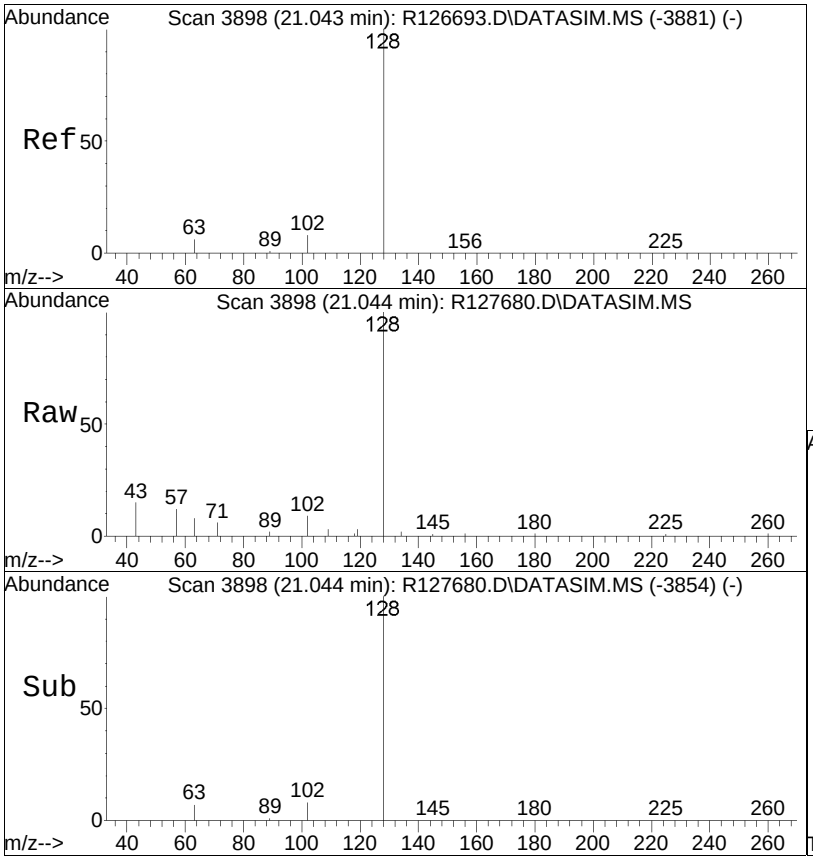


#74
p-isopropyltoluene
Concen: 0.07 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:119 Resp: 6366

Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.4	30.6

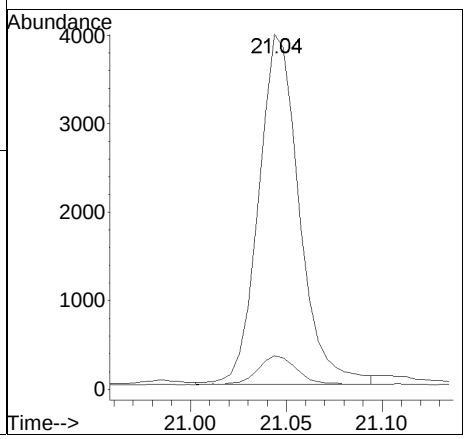




#78
naphthalene
Concen: 0.06 ppbV m
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127680.D
Acq: 16 Apr 2013 12:32 am

Tgt Ion:128 Resp: 5830

Ion	Ratio	Lower	Upper
128	100		
102	9.5	6.2	9.2#

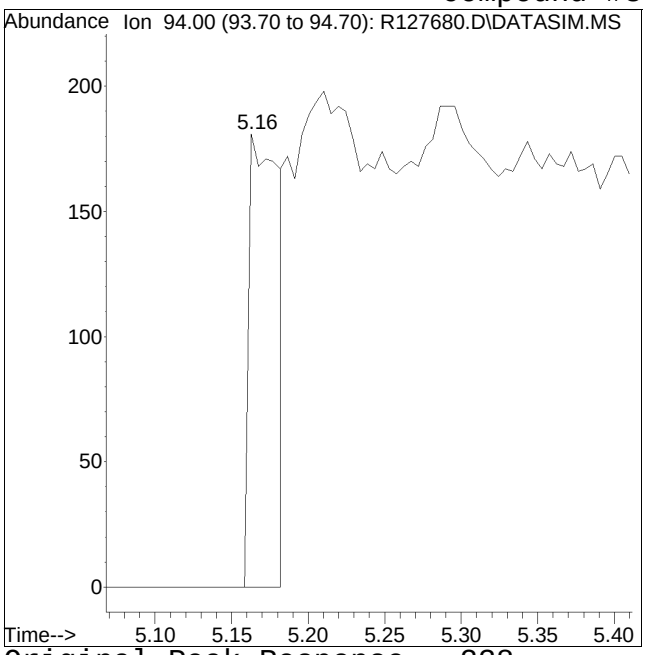


Manual Integration/Negative Proof Report

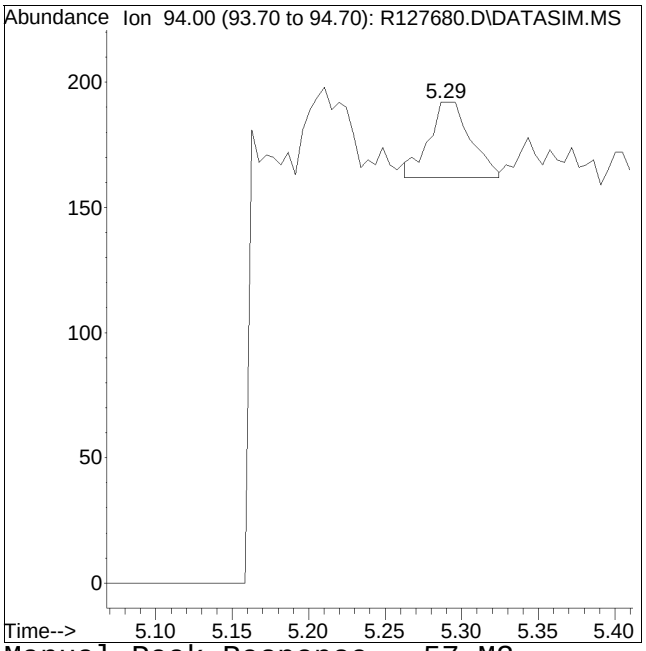
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #8: bromomethane



Original Peak Response = 238



Manual Peak Response = 57 M3

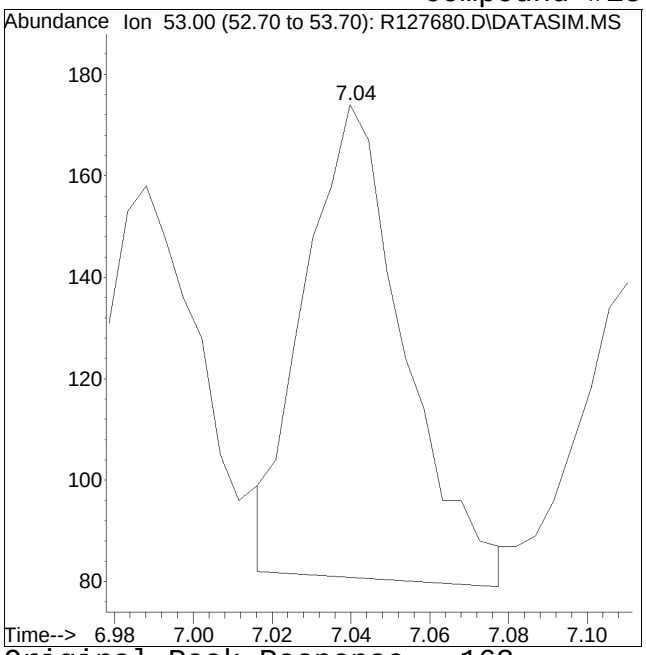
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

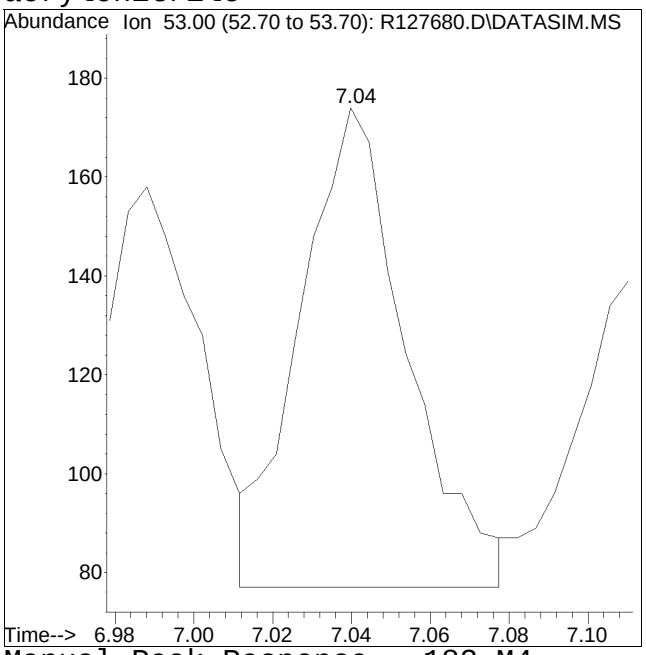
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #15: acrylonitrile



Original Peak Response = 163



Manual Peak Response = 182 M4

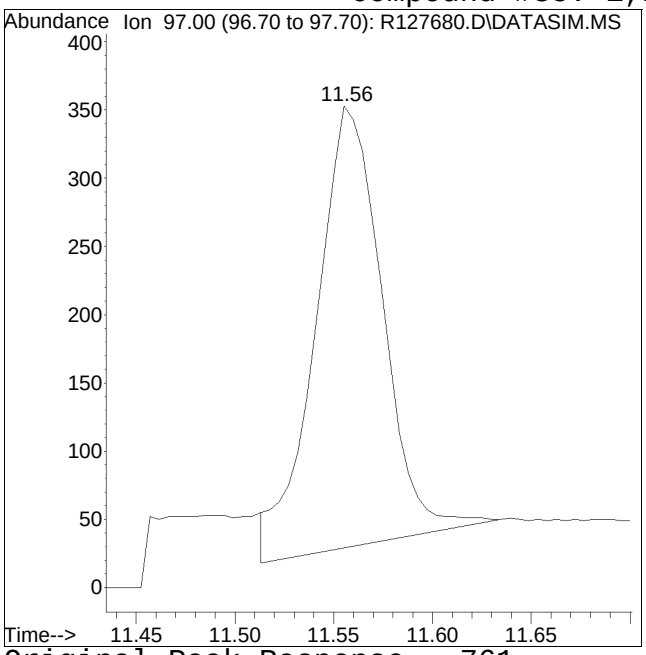
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

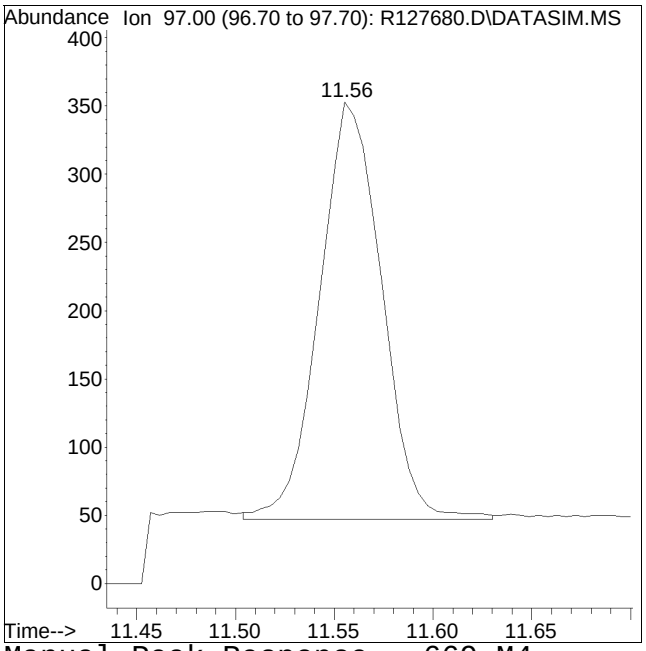
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #35: 1,1,1-trichloroethane



Original Peak Response = 761



Manual Peak Response = 669 M4

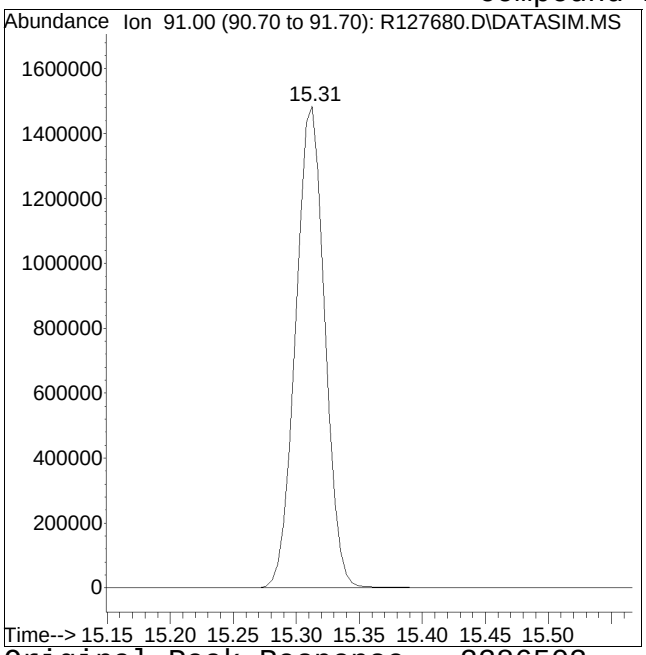
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

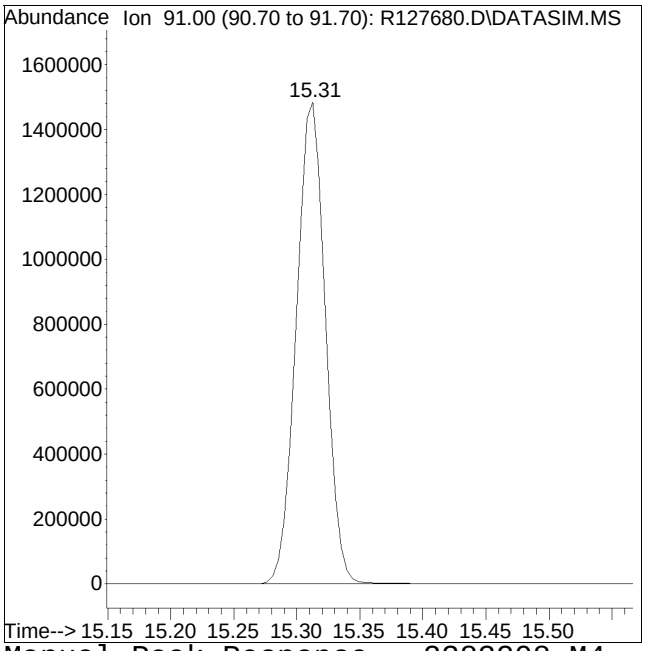
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #50: toluene



Original Peak Response = 2386503



Manual Peak Response = 2383208 M4

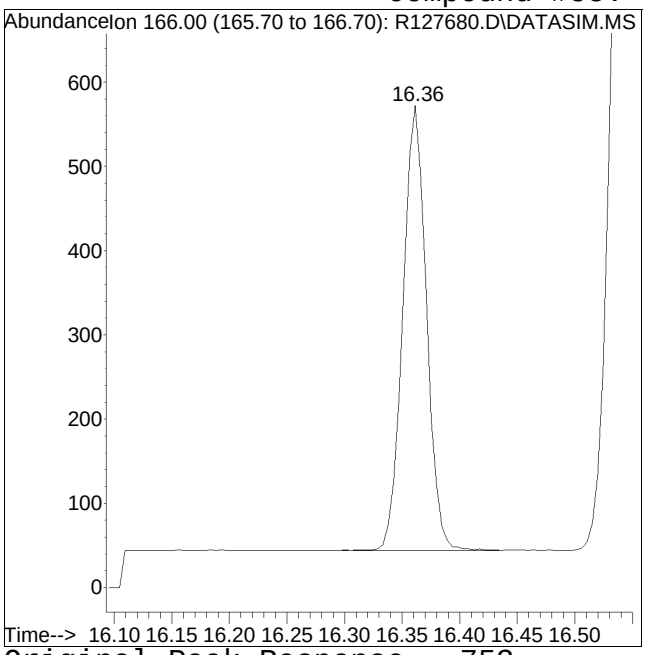
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

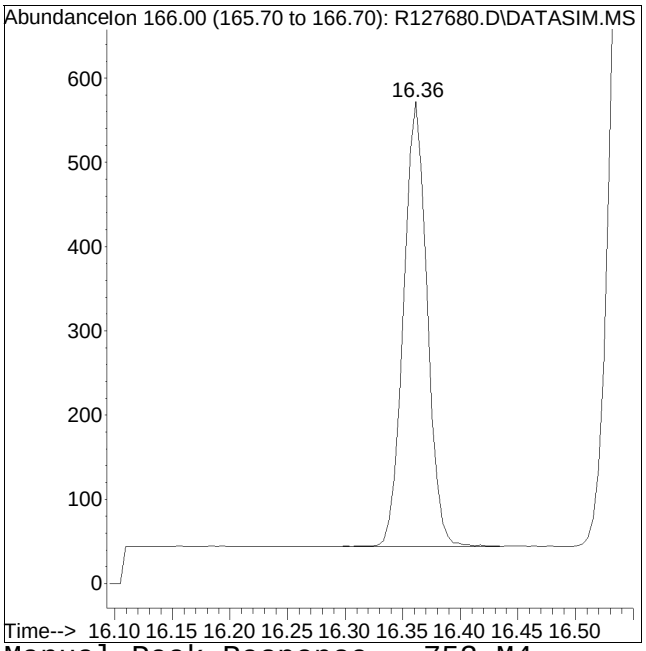
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #55: tetrachloroethene



Original Peak Response = 753



Manual Peak Response = 753 M4

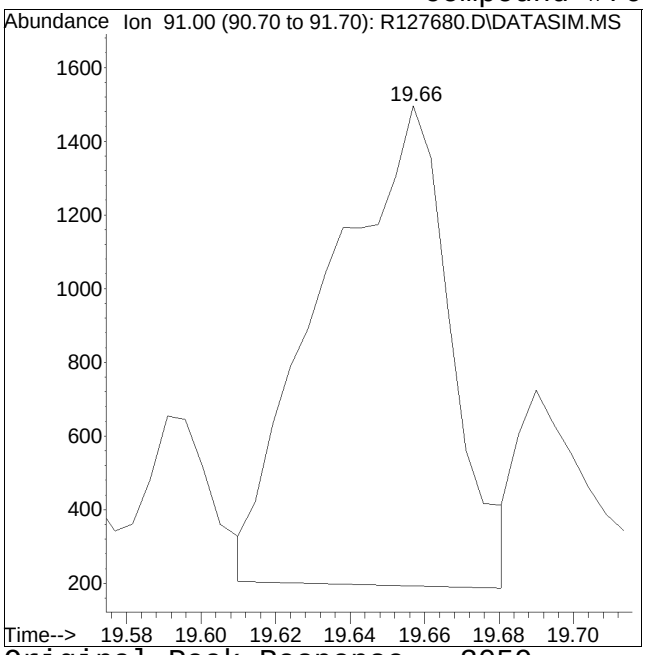
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

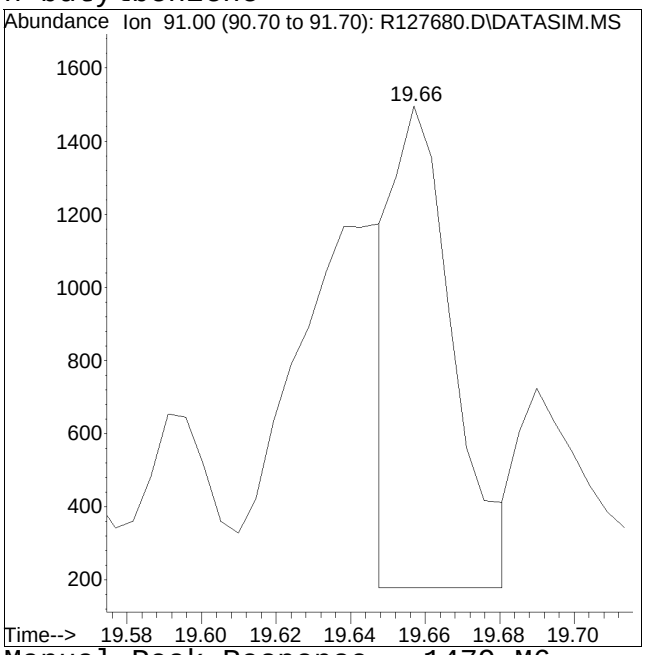
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #76: n-butylbenzene



Original Peak Response = 3059



Manual Peak Response = 1479 M6

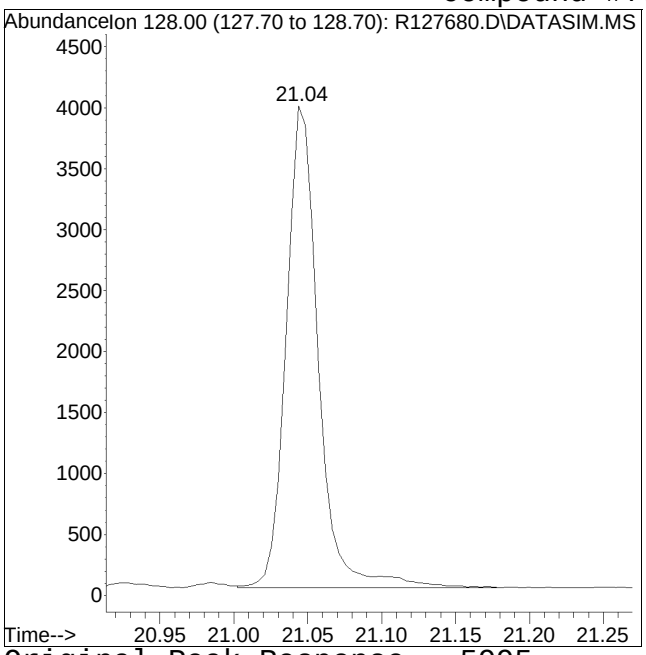
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

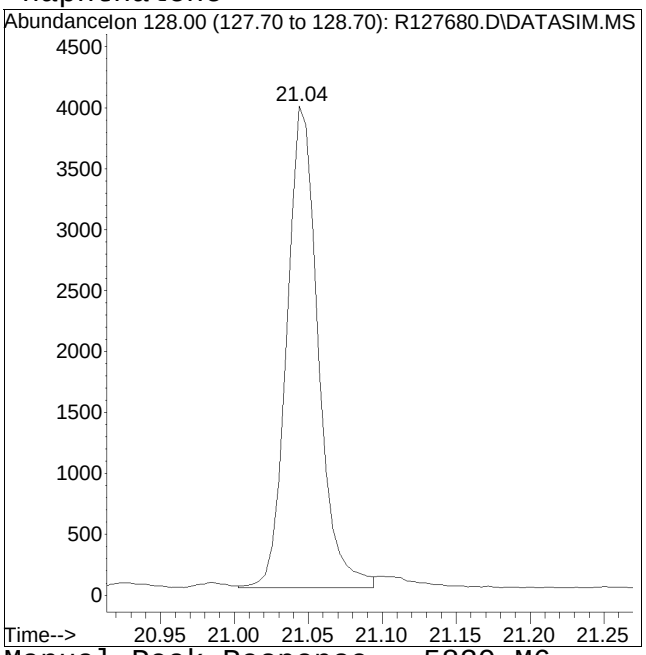
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127680.D
Date Inj'd : 4/16/2013 12:32 am
Sample : L1306330-28D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #78: naphthalene



Original Peak Response = 5995



Manual Peak Response = 5830 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127681.D
Acq On : 16 Apr 2013 1:04 am
Operator : AIRPIANO1:MB
Sample : L1306330-29D,3,200,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 17 11:21:29 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	268706	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 96.82%			
32) 1,4-difluorobenzene	12.49	114	552101	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 97.04%			
49) chlorobenzene-D5	16.90	54	135559	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 98.18%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	12264	0.352	ppbV	100
4) chloromethane	4.40	50	2896	0.158	ppbV	98
5) Freon-114	4.55	85	431	0.011	ppbV #	89
6) vinyl chloride	4.72		0	N.D.		
7) 1,3-butadiene	4.91	54	671	0.054	ppbV	83
8) bromomethane	5.29		0	N.D.		
9) chloroethane	5.55		0	N.D.		
12) acetone	6.40	43	271594	9.342	ppbV	98
13) trichlorofluoromethane	6.63	101	7023	0.168	ppbV	99
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.	d	
17) methylene chloride	7.64	49	15199	0.625	ppbV	100
20) Freon 113	7.99	101	1578	0.054	ppbV	96
22) trans-1,2-dichloroethene	8.82		0	N.D.		
23) 1,1-dichloroethane	9.07		0	N.D.		
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	172673	3.789	ppbV	97
27) cis-1,2-dichloroethene	10.07		0	N.D.		
29) chloroform	10.43	83	995	0.032	ppbV #	91
31) 1,2-dichloroethane	11.27	62	254	0.011	ppbV #	52
35) 1,1,1-trichloroethane	11.56	97	675	0.023	ppbV #	81
36) benzene	12.08	78	5555	0.127	ppbV	96
37) carbon tetrachloride	12.25	117	8267	0.255	ppbV	95
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	13.24		0	N.D.		
42) trichloroethene	13.28	130	998	0.047	ppbV	96
45) cis-1,3-dichloropropene	14.26		0	N.D.		
46) 4-methyl-2-pentanone	14.31	43	73793	1.489	ppbV	98
47) trans-1,3-dichloropropene	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127681.D
Acq On : 16 Apr 2013 1:04 am
Operator : AIRPIANO1:MB
Sample : L1306330-29D,3,200,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 17 11:21:29 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

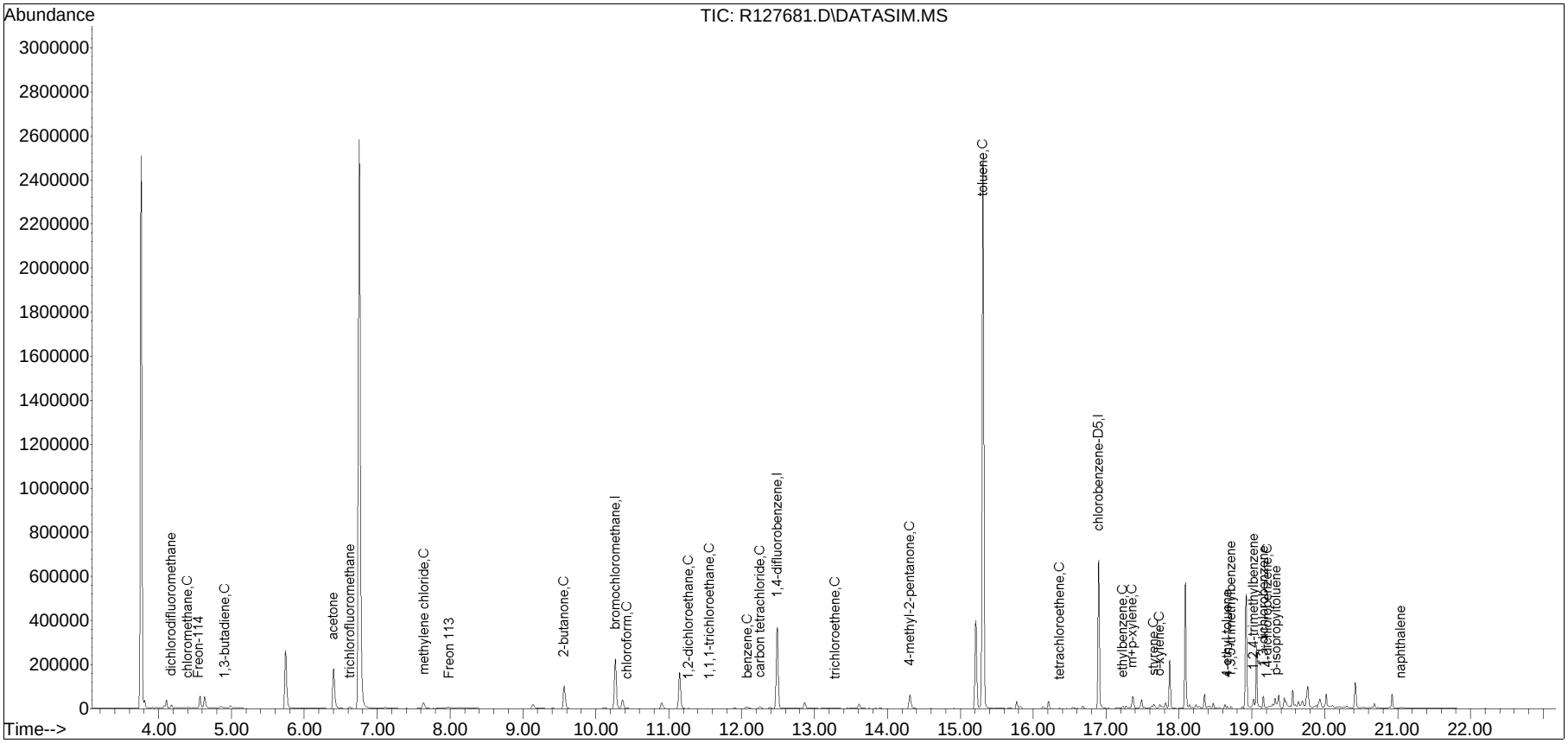
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	2222092M4	40.439	ppbV		
53) dibromochloromethane	15.72		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36	166	749	0.026	ppbV	#	88
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	9587	0.136	ppbV		98
59) m+p-xylene	17.36	91	25885	0.473	ppbV		99
60) bromoform	17.45		0	N.D.			
61) styrene	17.65	104	10957	0.258	ppbV		99
62) 1,1,2,2-tetrachloroethane	0.00		0	N.D.	d		
63) o-xylene	17.74	91	11836	0.208	ppbV		99
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	7694	0.093	ppbV	#	96
67) 1,3,5-trimethylbenzene	18.72	105	7303	0.107	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.02	105	23943	0.352	ppbV	#	51
71) 1,3-dichlorobenzene	19.16	146	34221	0.664	ppbV	#	90
72) 1,4-dichlorobenzene	19.21	146	1694	0.032	ppbV	#	70
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34	119	5676	0.061	ppbV		99
75) 1,2-dichlorobenzene	19.47		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.92		0	N.D.			
78) naphthalene	21.04	128	5518	0.055	ppbV		96
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.35		0	N.D.			

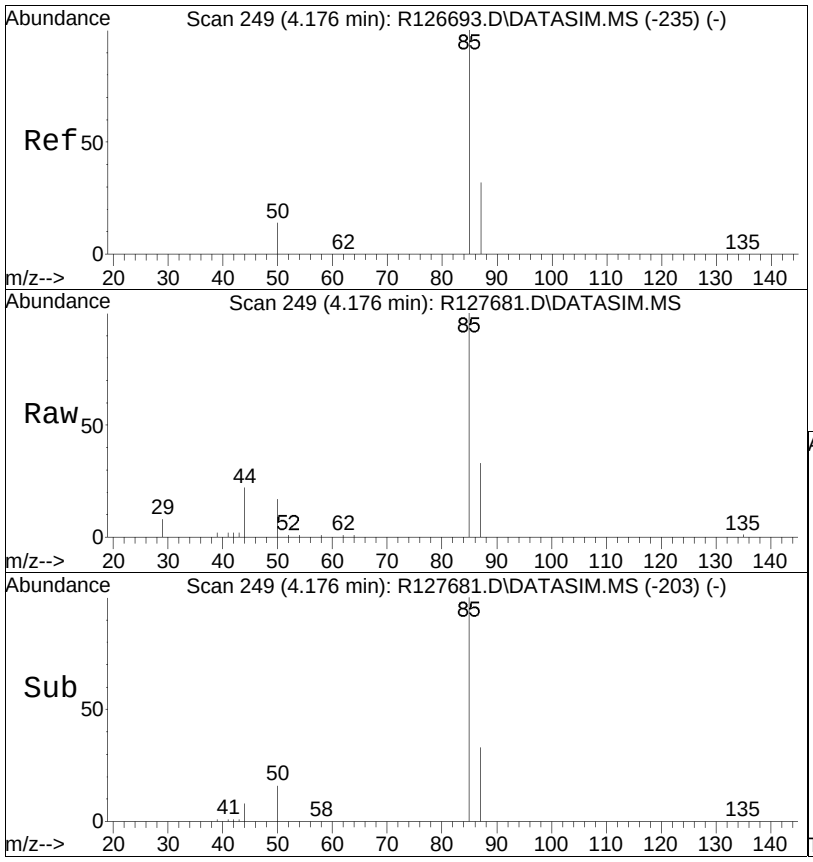
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127681.D
Acq On : 16 Apr 2013 1:04 am
Operator : AIRPIANO1:MB
Sample : L1306330-29D,3,200,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 17 11:21:29 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

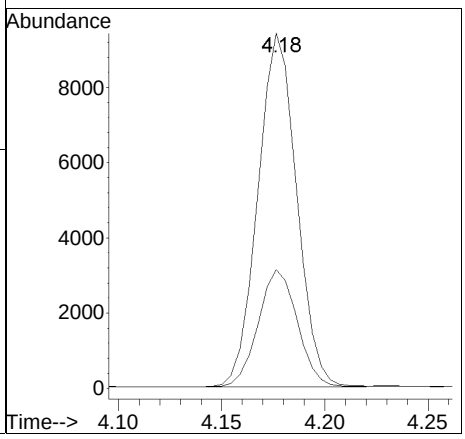


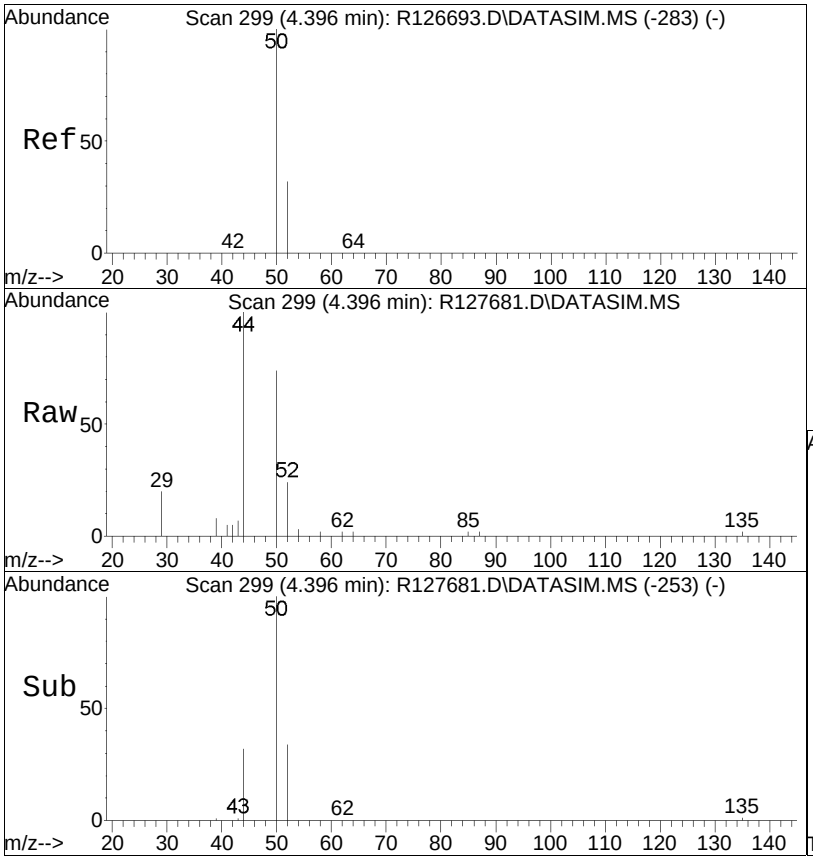


#3
dichlorodifluoromethane
Concen: 0.35 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 85 Resp: 12264

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.6	40.0

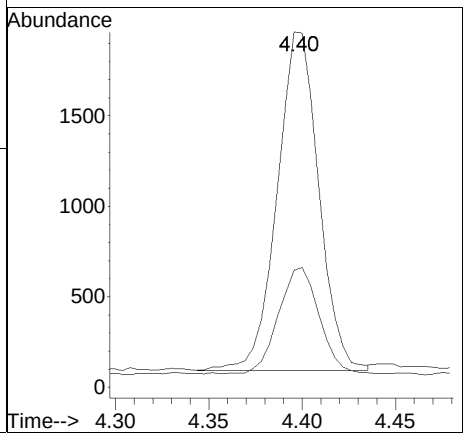


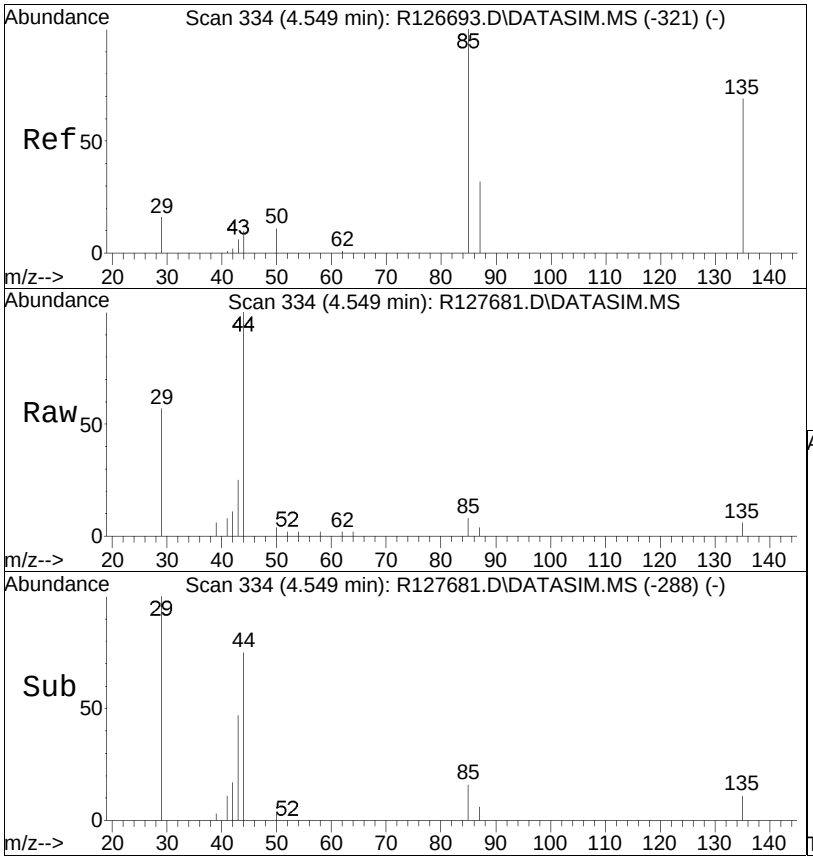


#4
chloromethane
Concen: 0.16 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 50 Resp: 2896

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.3	37.9

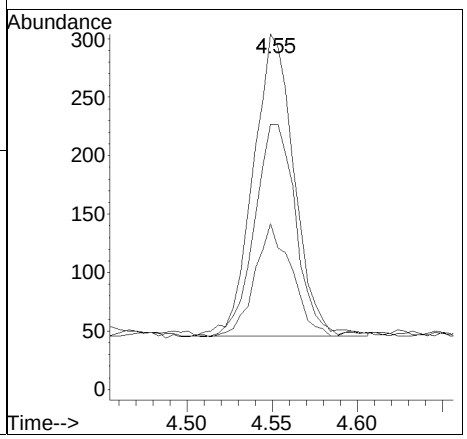


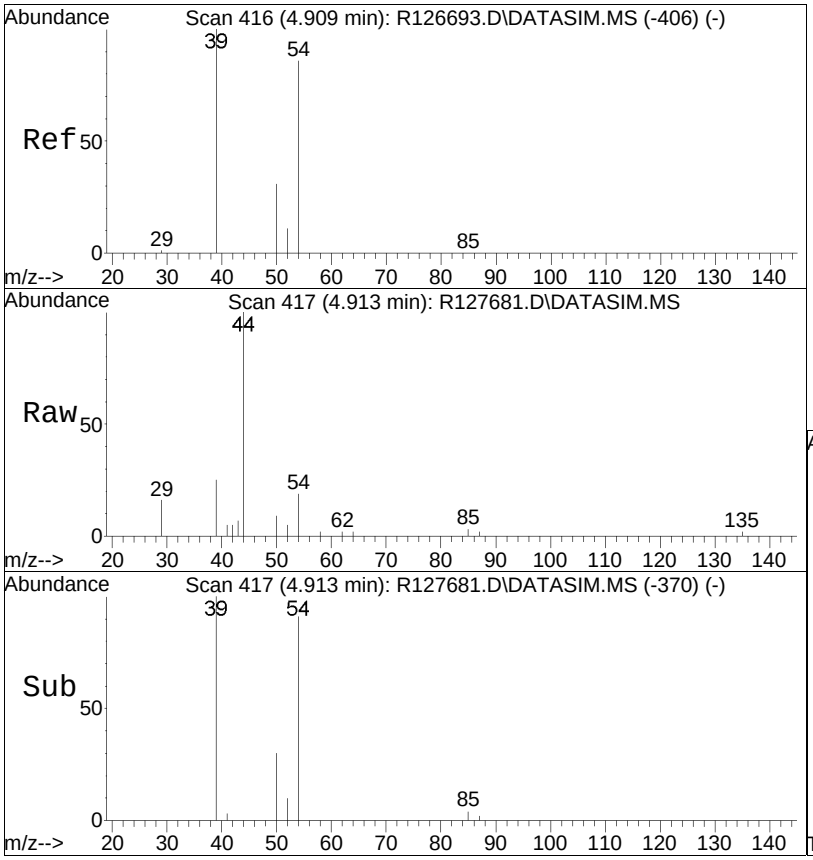


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 85 Resp: 431

Ion	Ratio	Lower	Upper
85	100		
87	46.7	26.5	39.7#
135	74.7	56.9	85.3

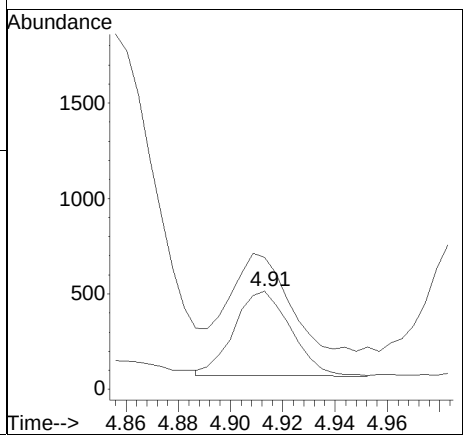


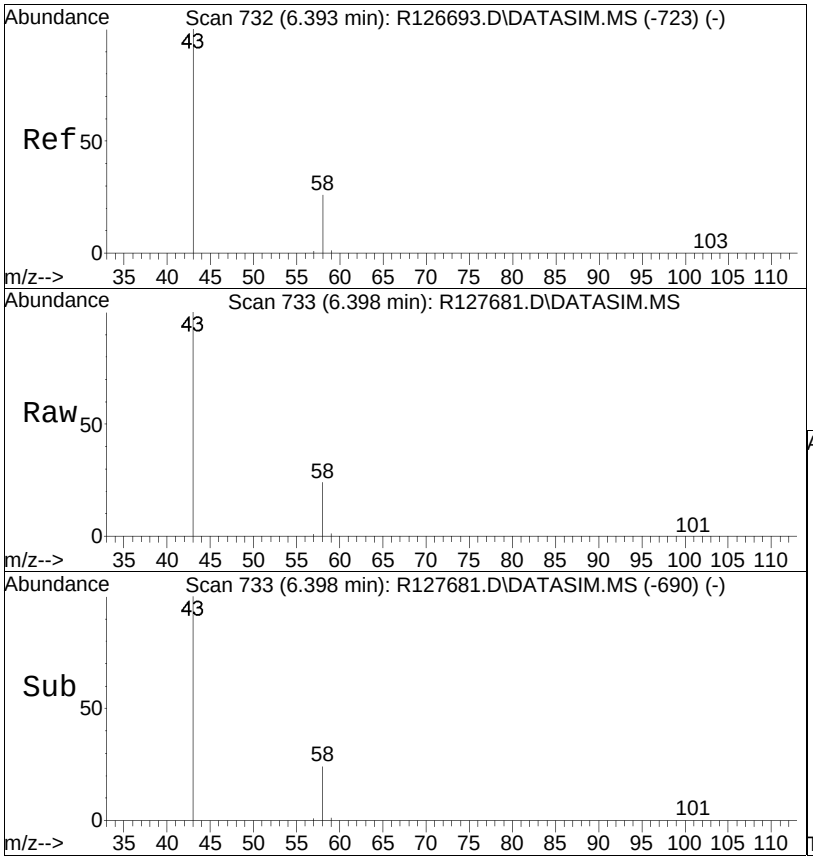


#7
1,3-butadiene
Concen: 0.05 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 54 Resp: 671

Ion	Ratio	Lower	Upper
54	100		
39	134.4	92.4	138.6

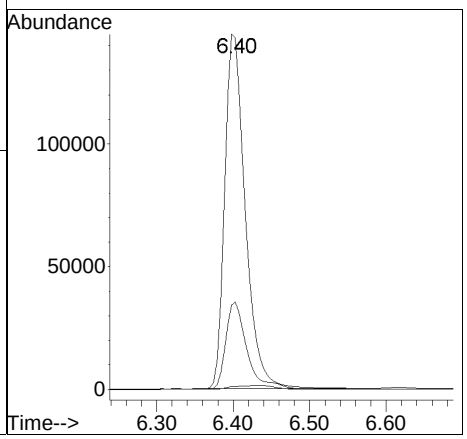


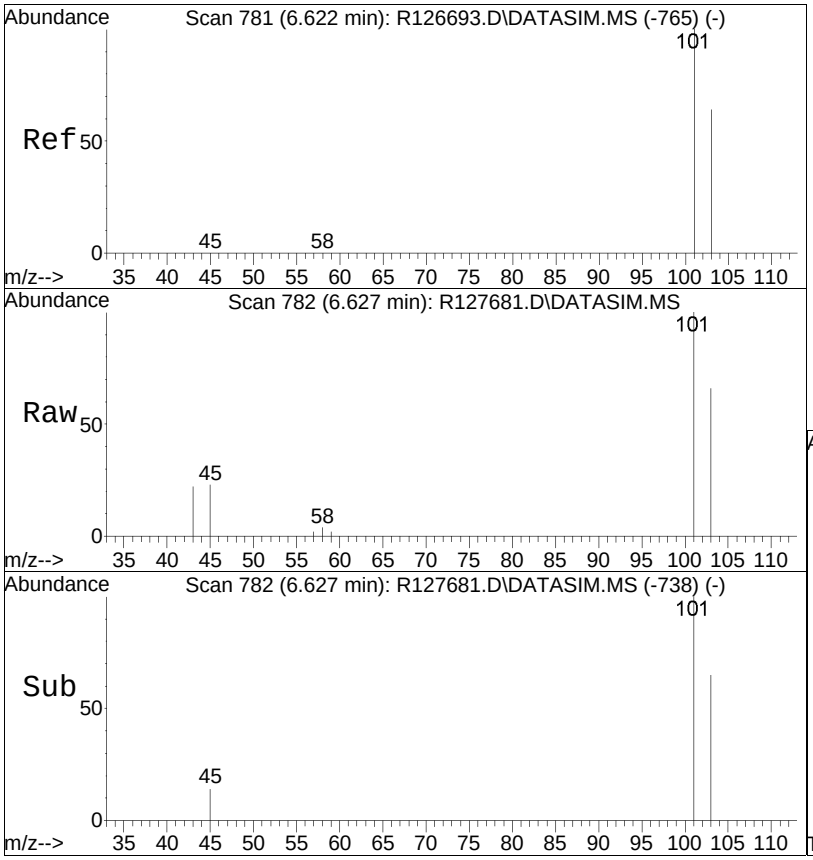


#12
acetone
Concen: 9.34 ppbV
RT: 6.40 min Scan# 733
Delta R.T. 0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 43 Resp: 271594

Ion	Ratio	Lower	Upper
43	100		
58	23.8	20.0	30.0
57	0.8	0.6	1.0

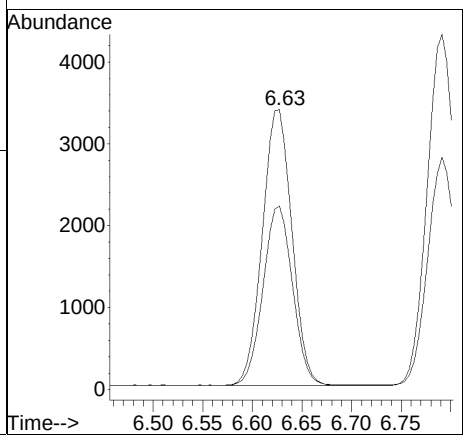


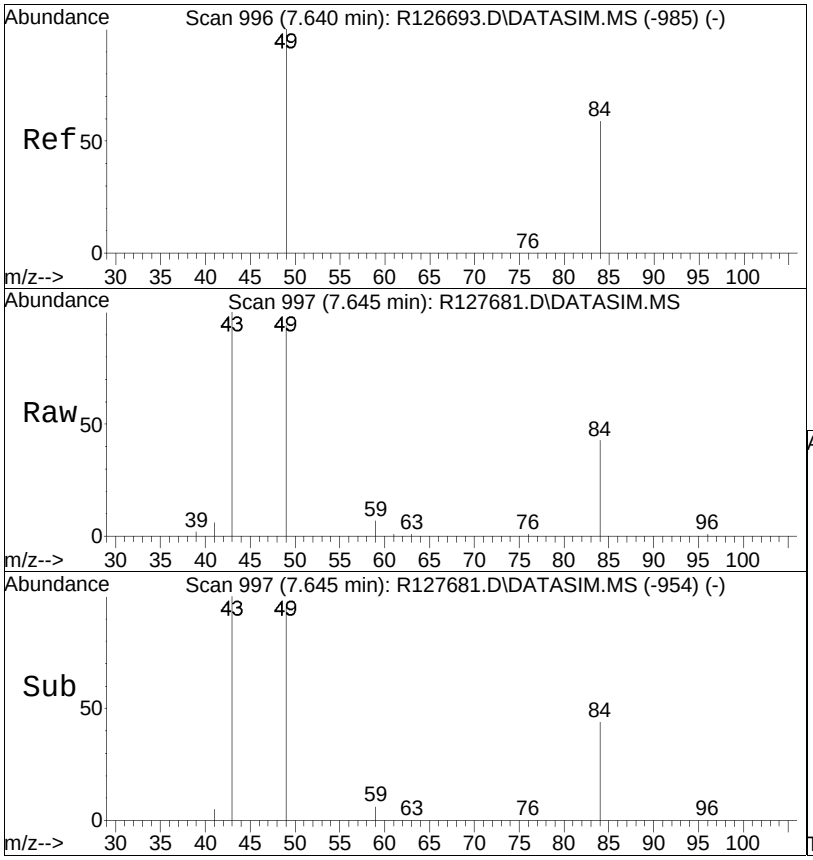


#13
trichlorofluoromethane
Concen: 0.17 ppbV
RT: 6.63 min Scan# 782
Delta R.T. 0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:101 Resp: 7023

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

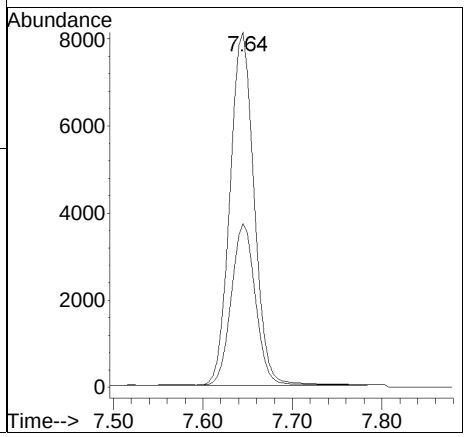


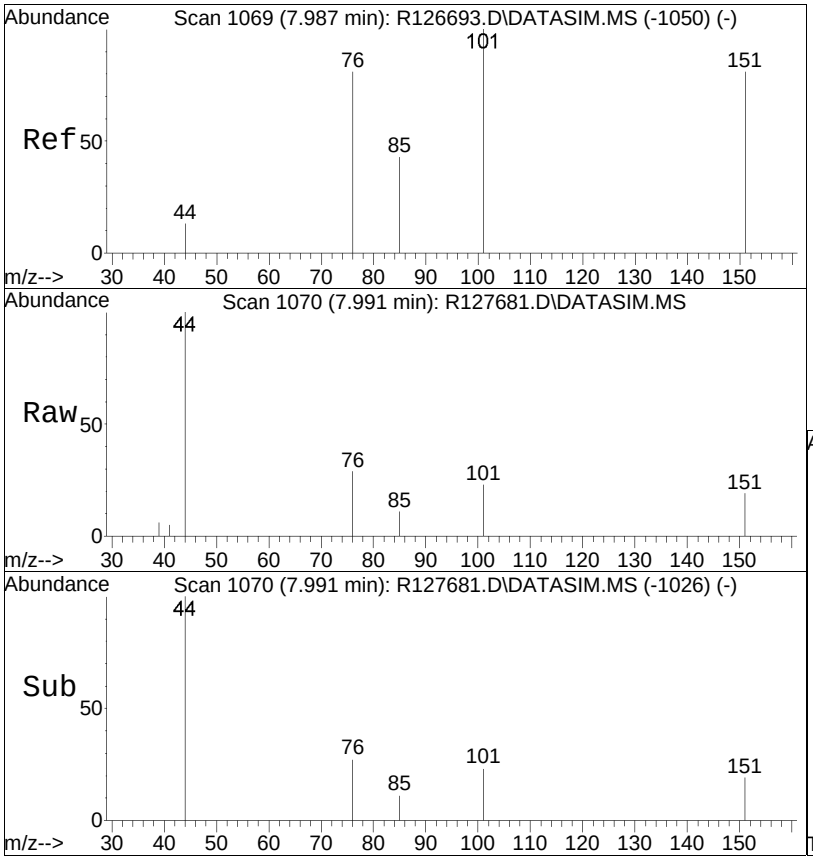


#17
methylene chloride
Concen: 0.63 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 49 Resp: 15199

Ion	Ratio	Lower	Upper
49	100		
84	46.2	37.2	55.8

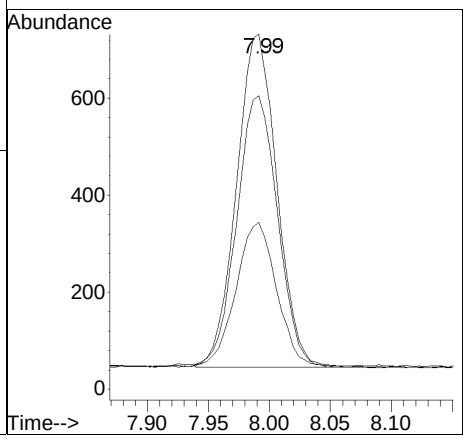


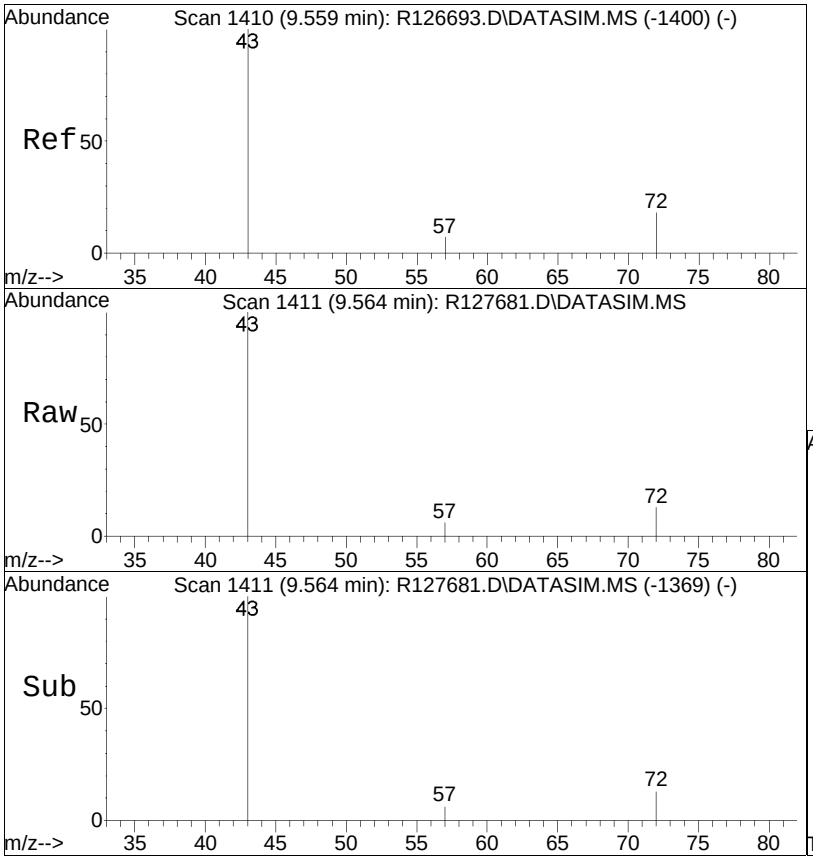


#20
Freon 113
Concen: 0.05 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:101 Resp: 1578

Ion	Ratio	Lower	Upper
101	100		
85	47.0	34.2	51.2
151	82.7	67.8	101.8

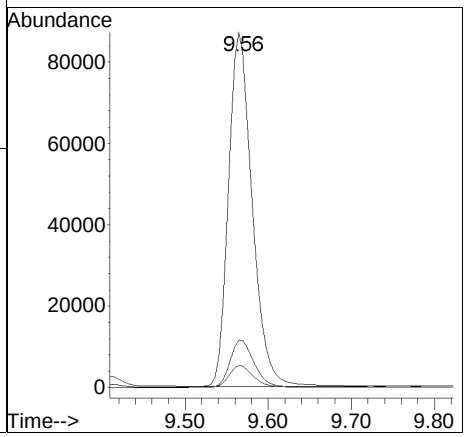


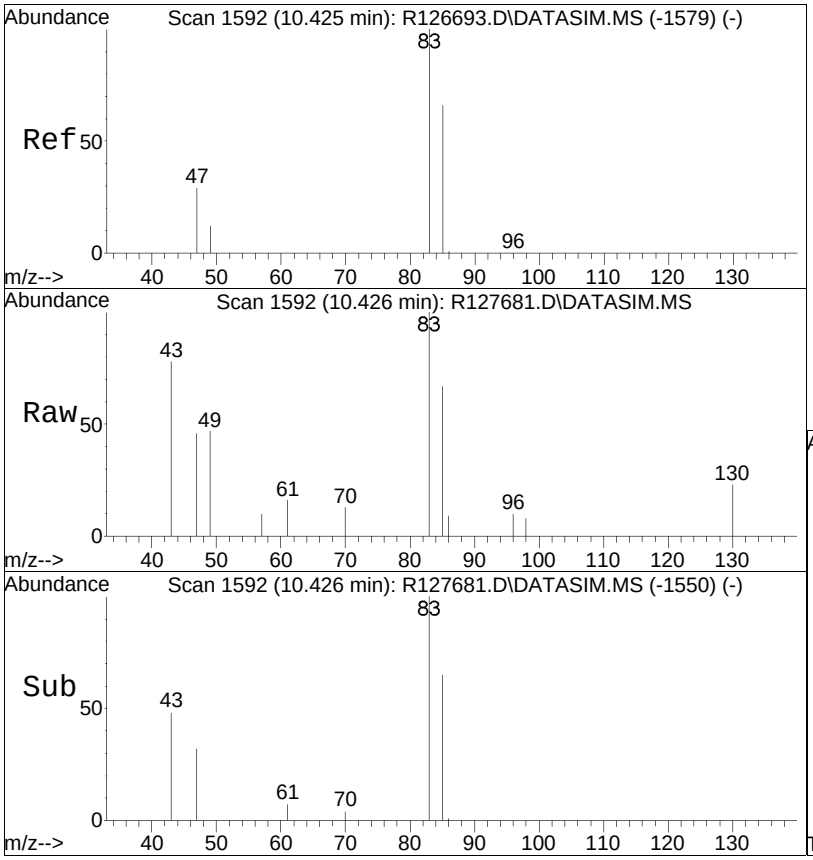


#26
2-butanone
Concen: 3.79 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 43 Resp: 172673

Ion	Ratio	Lower	Upper
43	100		
72	13.3	12.0	18.0
57	6.2	5.2	7.8

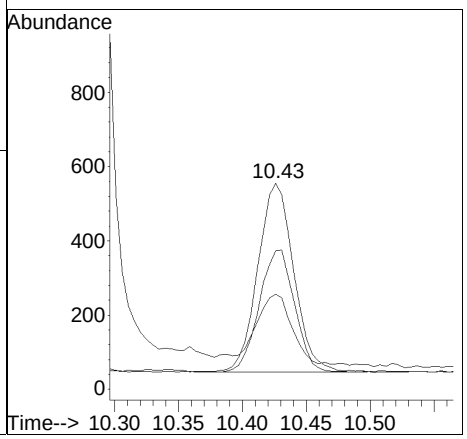


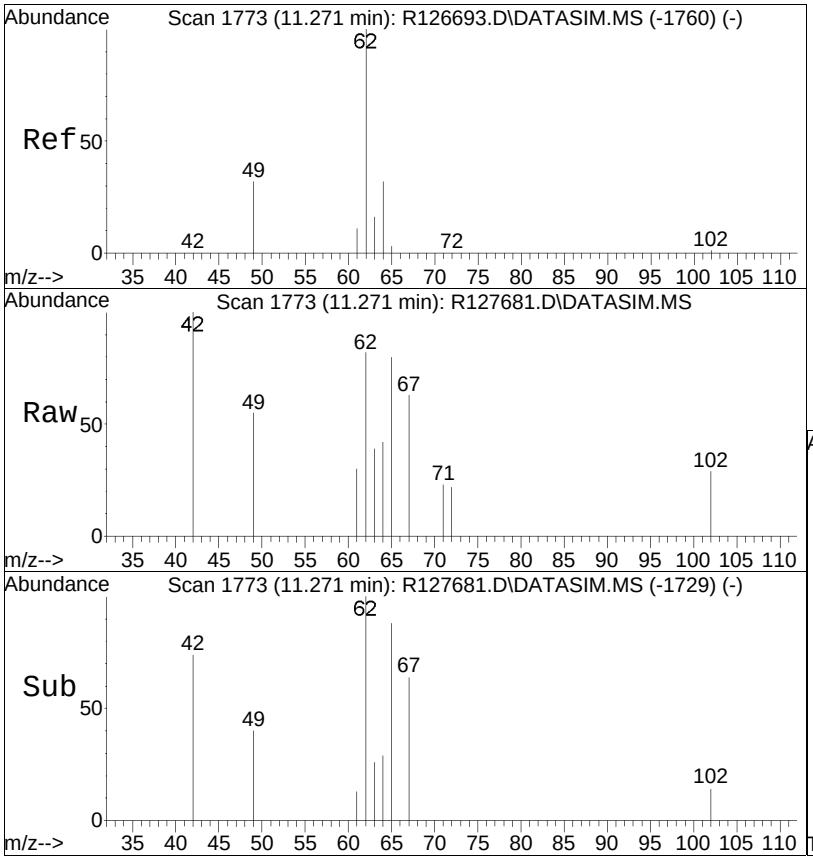


#29
chloroform
Concen: 0.03 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 83 Resp: 995

Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.2	78.2
47	46.1	26.4	39.6#

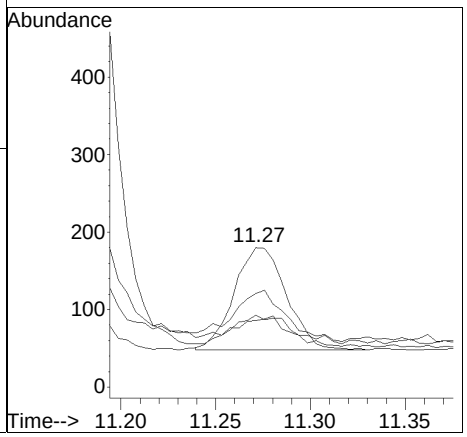


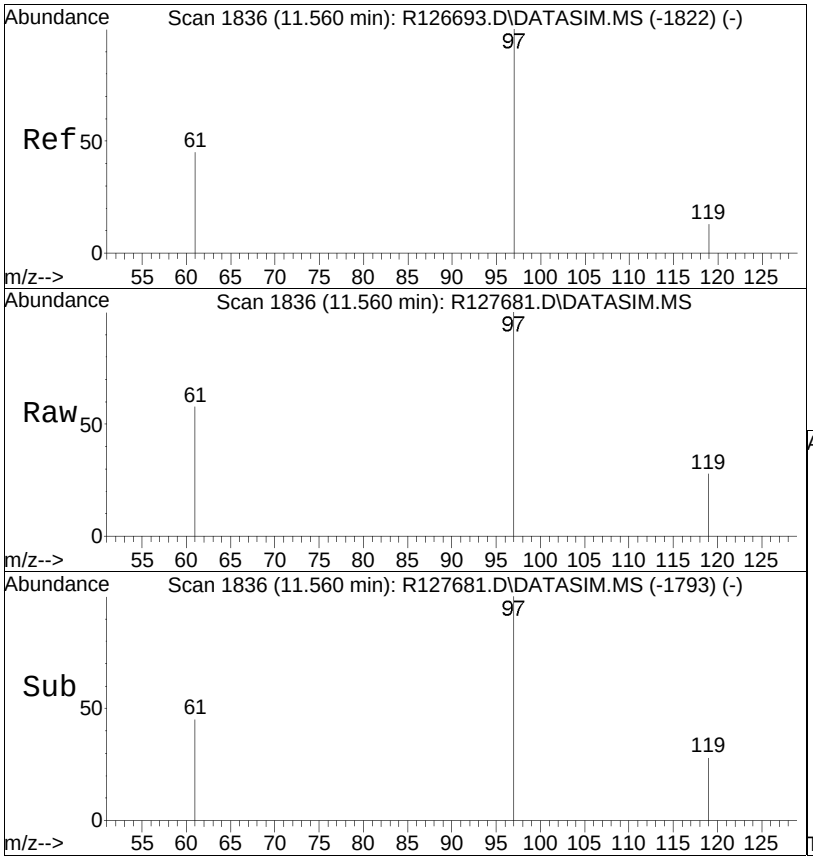


#31
1,2-dichloroethane
Concen: 0.01 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 62 Resp: 254

Ion	Ratio	Lower	Upper
62	100		
64	51.7	25.0	37.6#
49	67.2	31.2	46.8#
63	47.8	13.3	19.9#

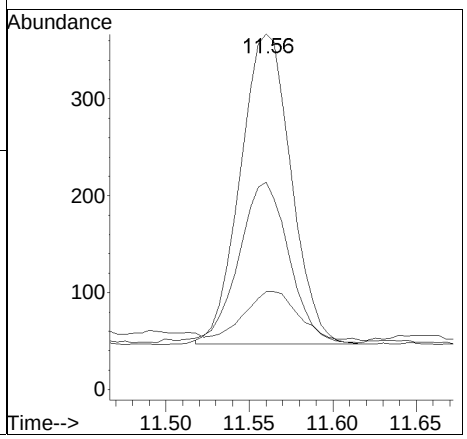


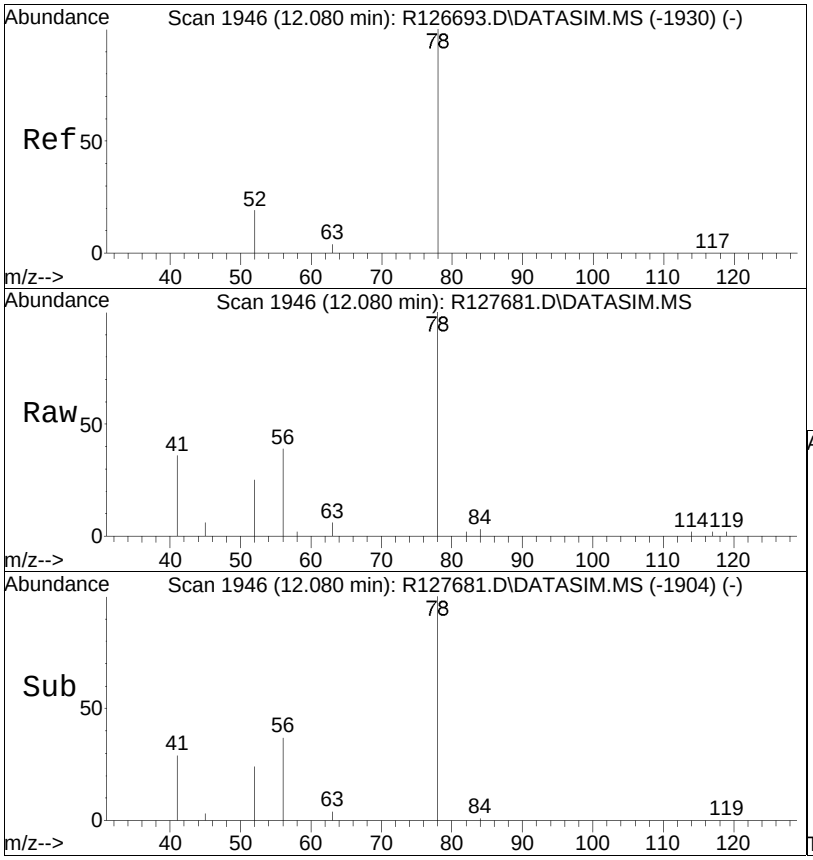


#35
1,1,1-trichloroethane
Concen: 0.02 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 97 Resp: 675

Ion	Ratio	Lower	Upper
97	100		
61	58.3	38.6	58.0#
119	27.5	11.0	16.6#

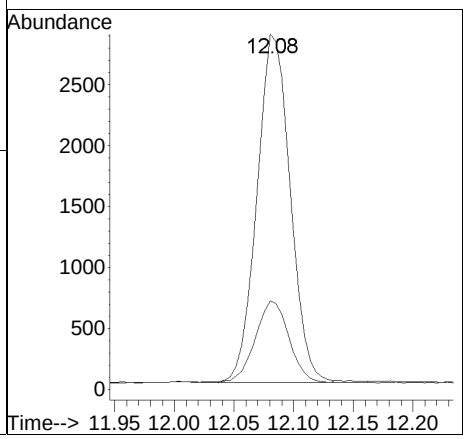


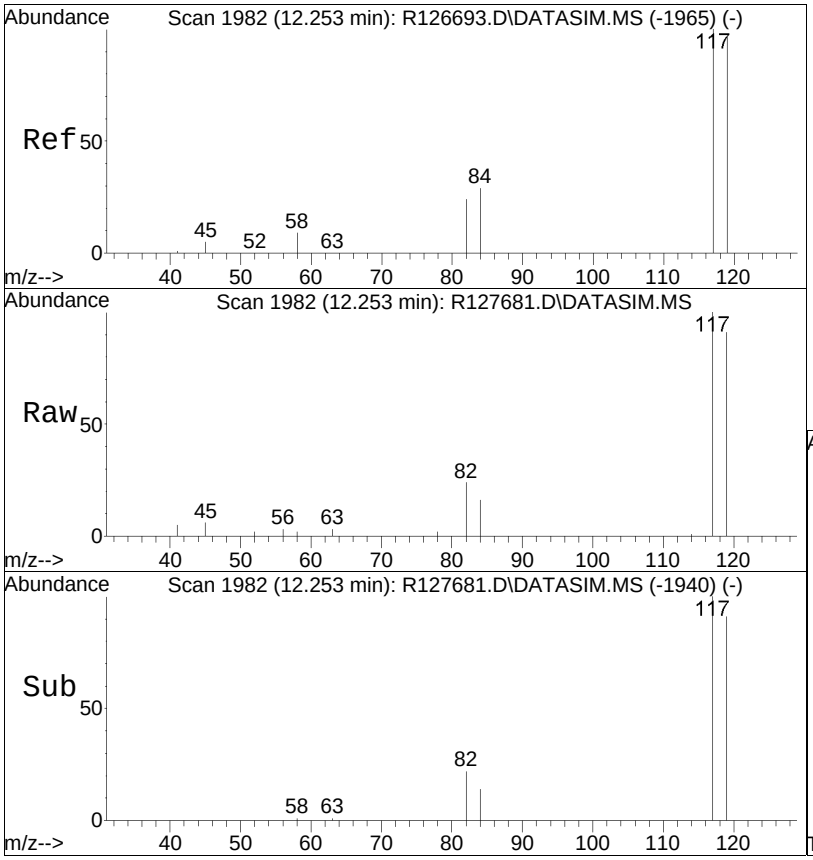


#36
benzene
Concen: 0.13 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 78 Resp: 5555

Ion	Ratio	Lower	Upper
78	100		
52	25.0	18.5	27.7

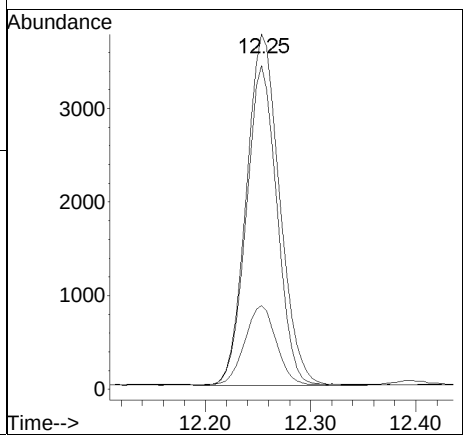


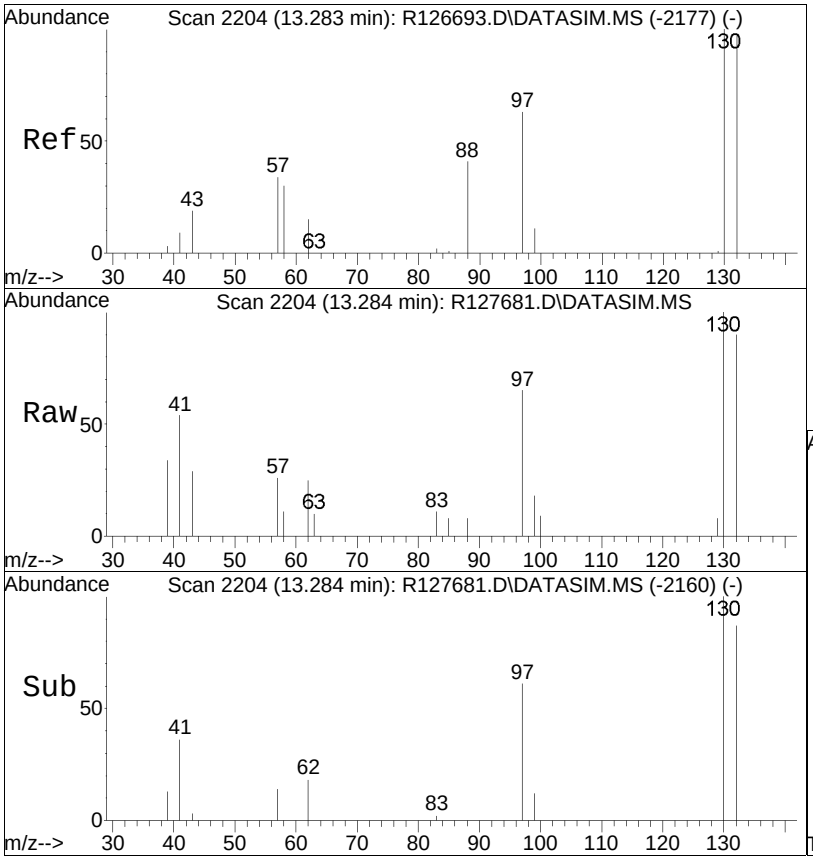


#37
carbon tetrachloride
Concen: 0.26 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:117 Resp: 8267

Ion	Ratio	Lower	Upper
117	100		
119	91.1	77.4	116.0
82	23.6	18.2	27.2

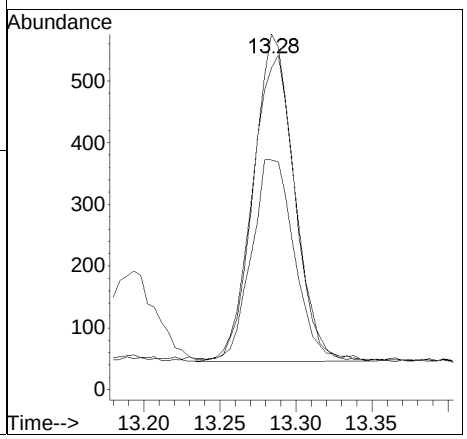


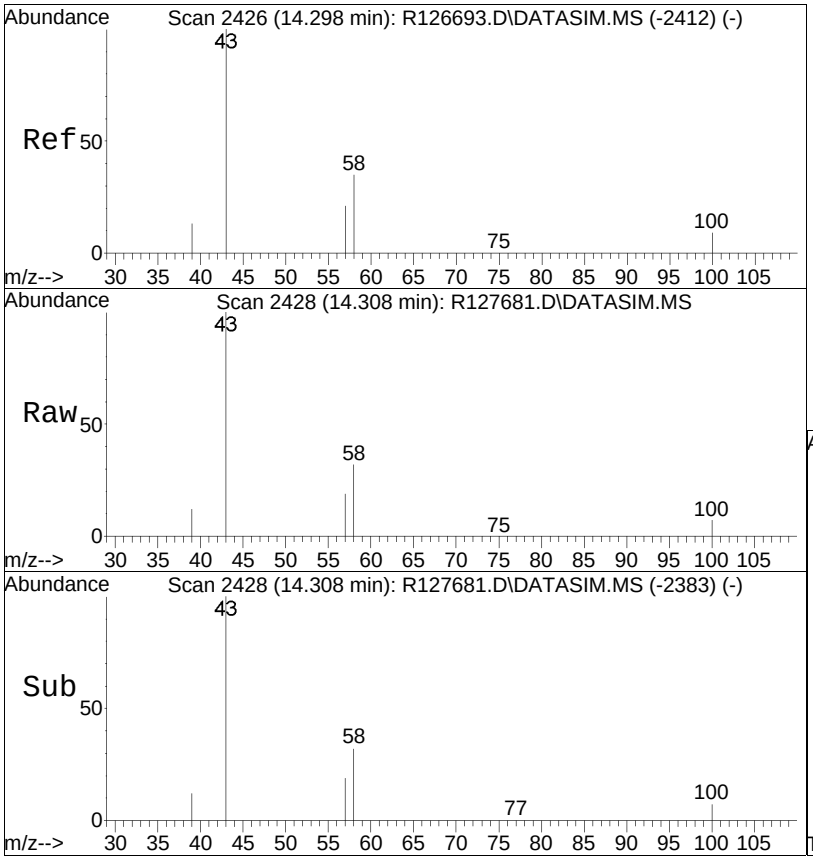


#42
trichloroethene
Concen: 0.05 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:130 Resp: 998

Ion	Ratio	Lower	Upper
130	100		
132	90.5	77.3	115.9
97	64.6	50.6	75.8

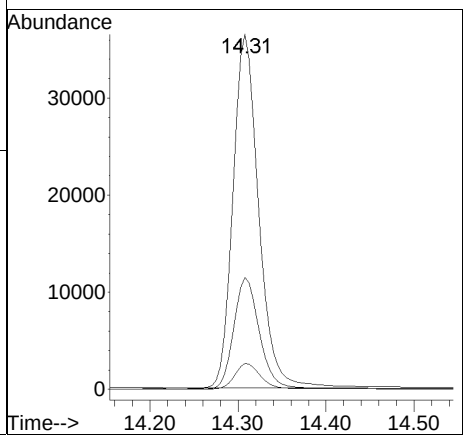


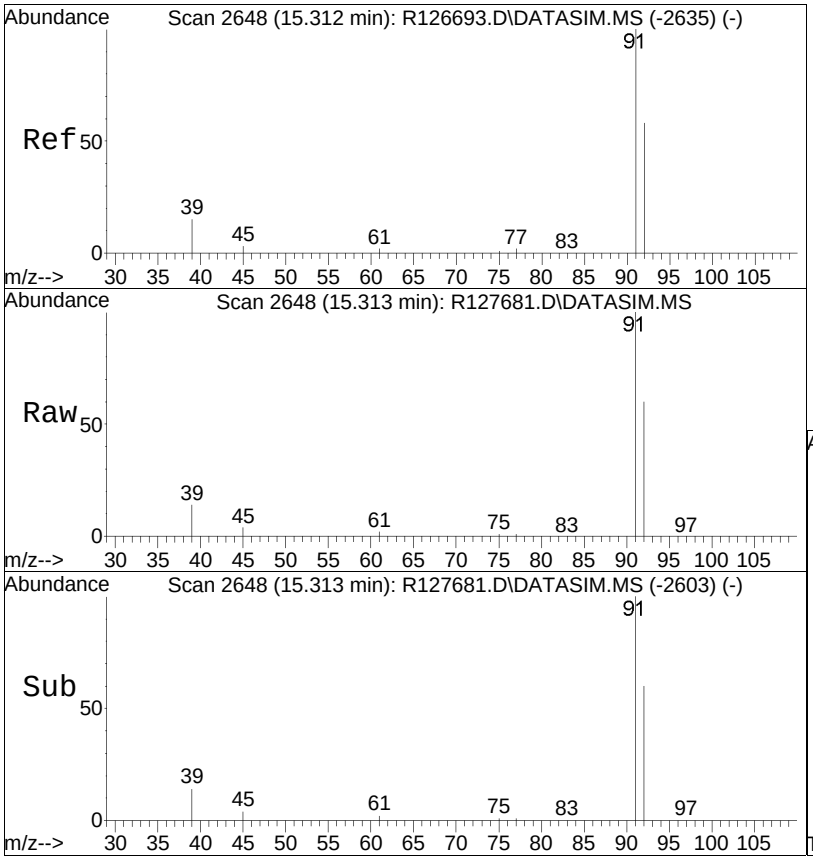


#46
4-methyl-2-pentanone
Concen: 1.49 ppbV
RT: 14.31 min Scan# 2428
Delta R.T. 0.009 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 43 Resp: 73793

Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.0	39.0
100	7.3	5.8	8.6

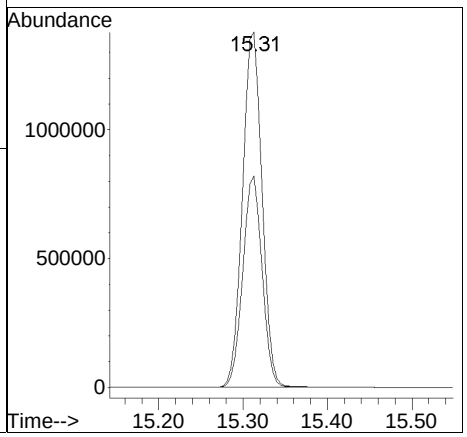


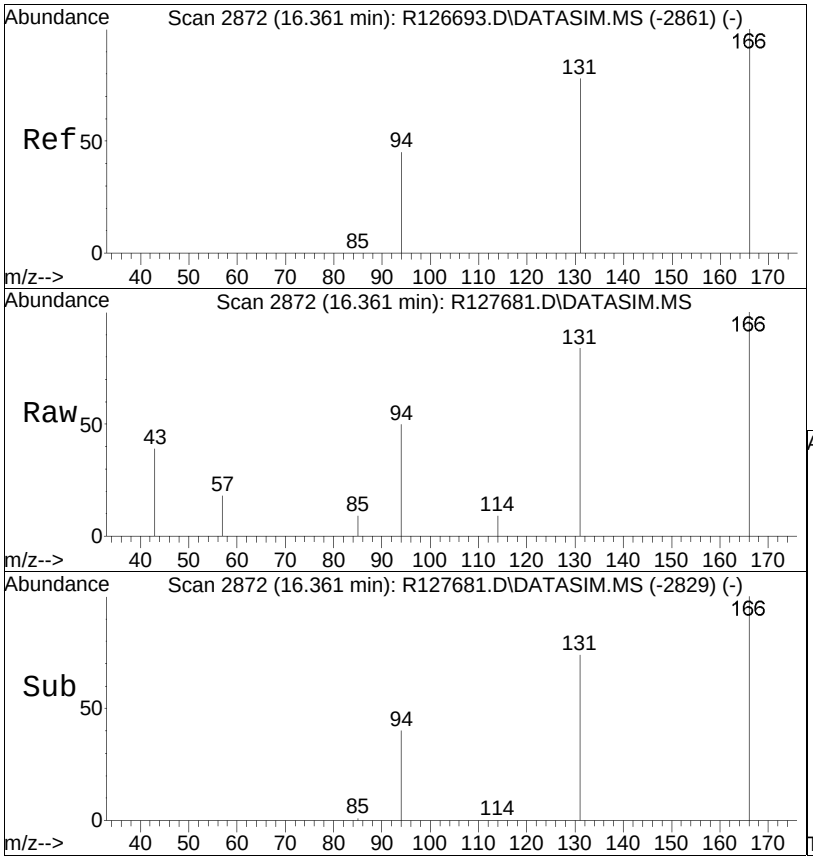


#50
toluene
Concen: 40.44 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 91 Resp: 2222092

Ion	Ratio	Lower	Upper
91	100		
92	59.6	46.4	69.6

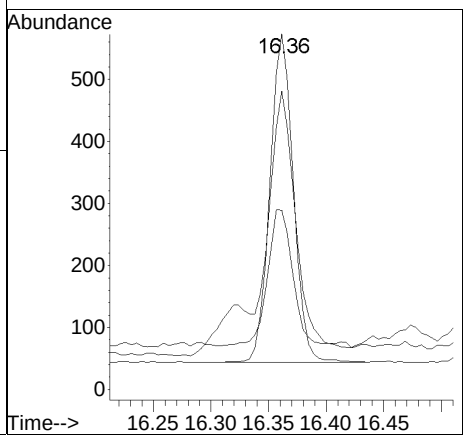


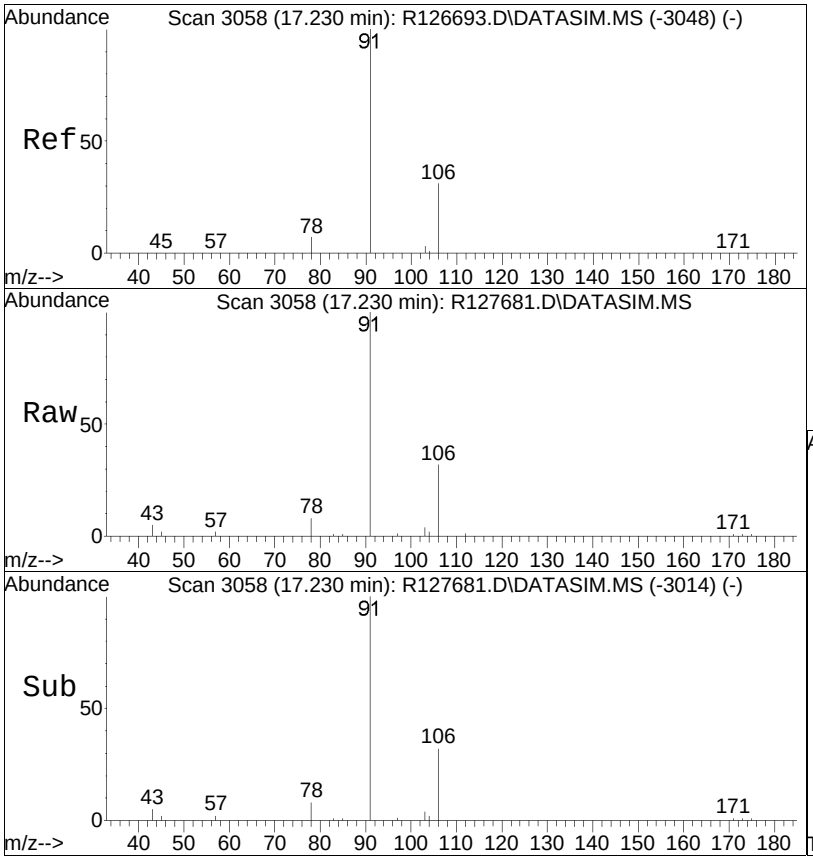


#55
tetrachloroethene
Concen: 0.03 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:166 Resp: 749

Ion	Ratio	Lower	Upper
166	100		
131	83.9	60.6	90.8
94	50.4	32.2	48.2#

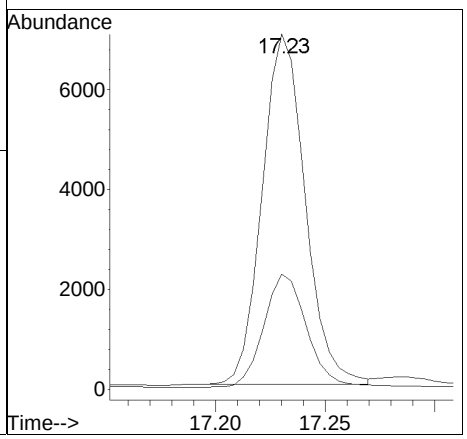


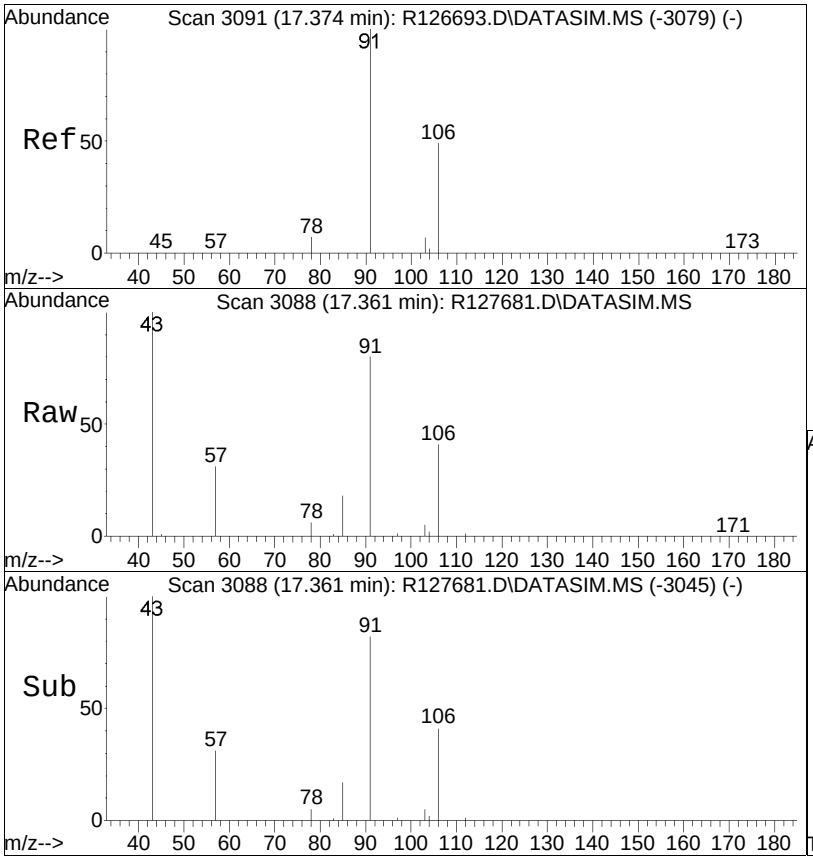


#58
ethylbenzene
Concen: 0.14 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 91 Resp: 9587

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.3	37.9

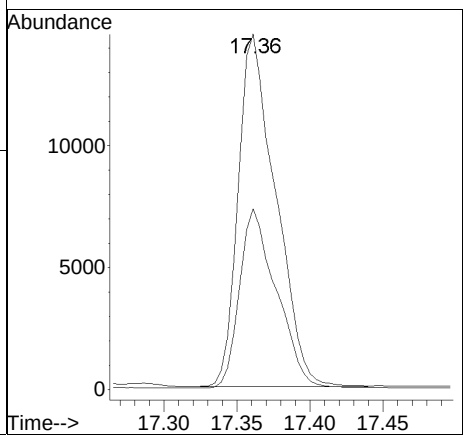


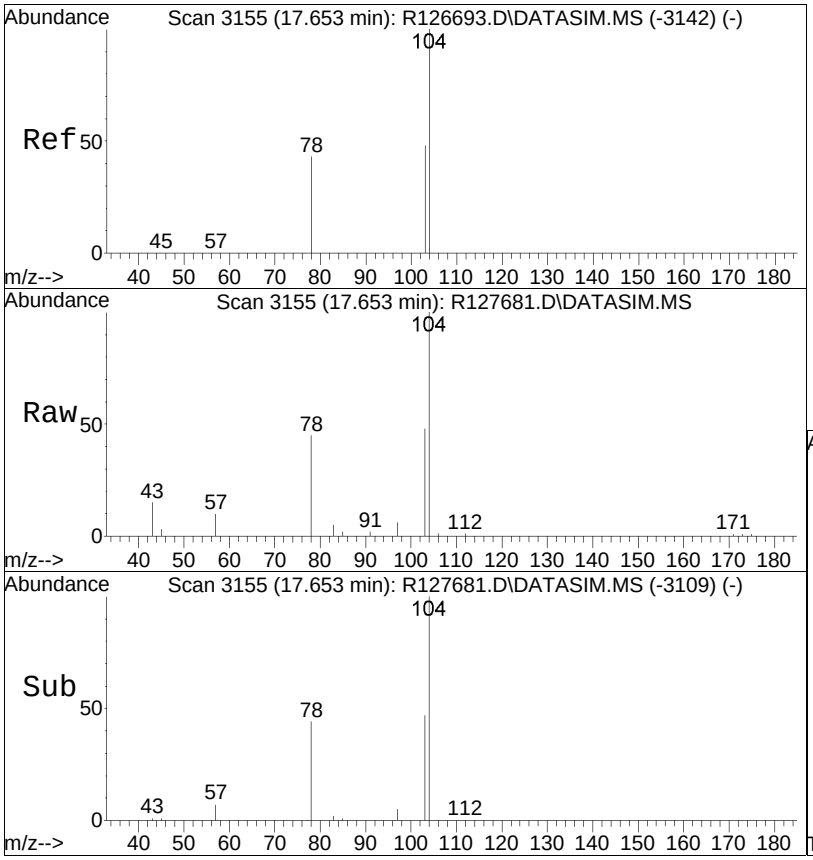


#59
m+p-xylene
Concen: 0.47 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 91 Resp: 25885

Ion	Ratio	Lower	Upper
91	100		
106	50.9	40.0	60.0

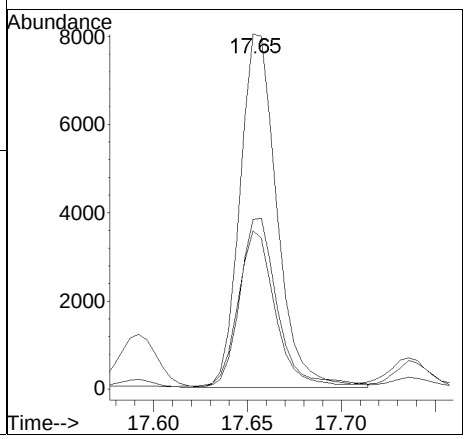


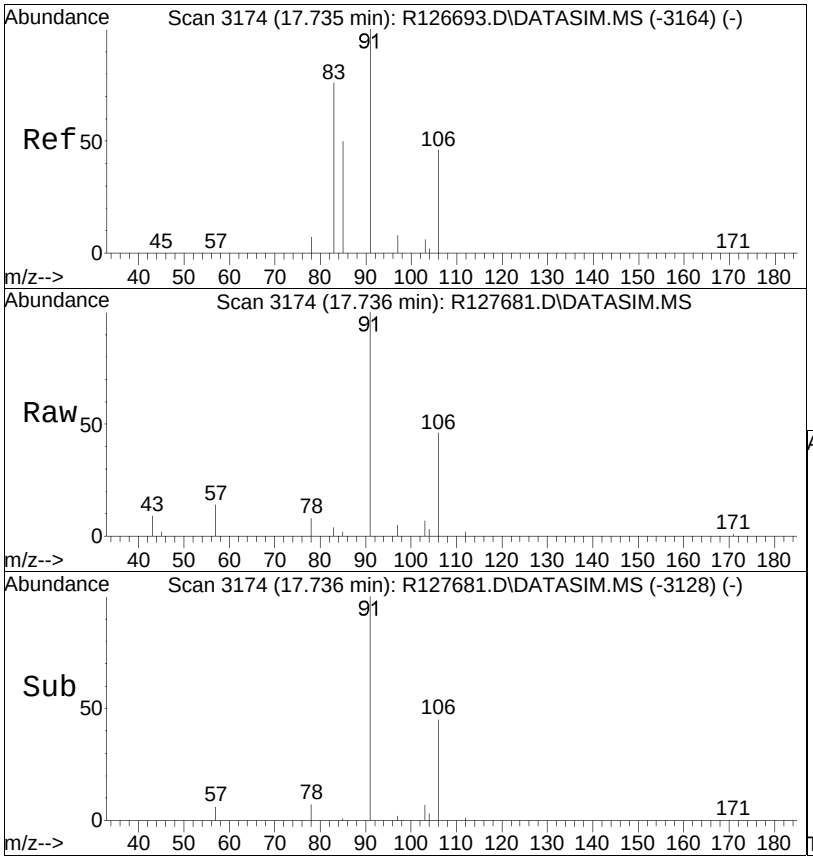


#61
styrene
Concen: 0.26 ppbV
RT: 17.65 min Scan# 3155
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:104 Resp: 10957

Ion	Ratio	Lower	Upper
104	100		
103	47.8	38.3	57.5
78	44.7	35.0	52.6

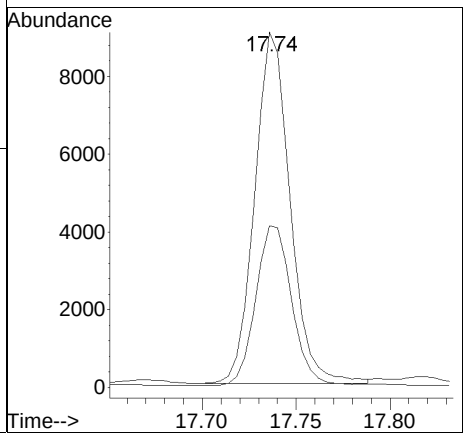


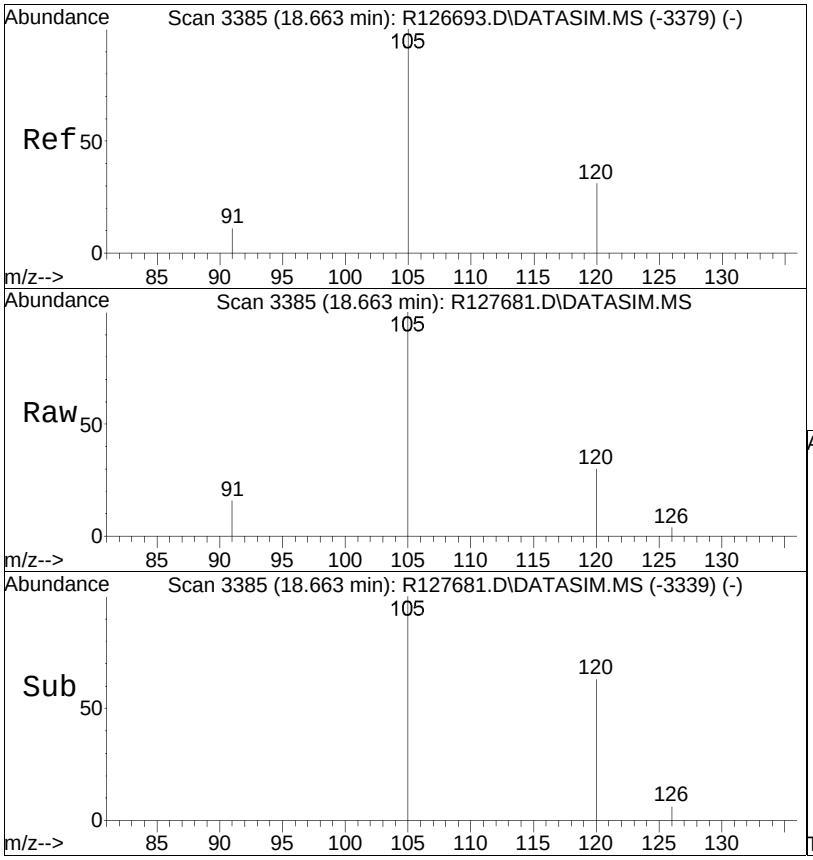


#63
o-xylene
Concen: 0.21 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion: 91 Resp: 11836

Ion	Ratio	Lower	Upper
91	100		
106	45.5	37.1	55.7

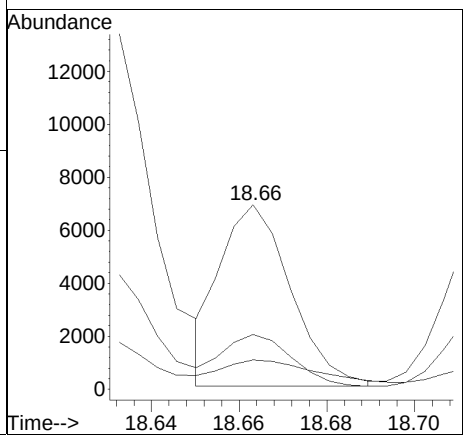


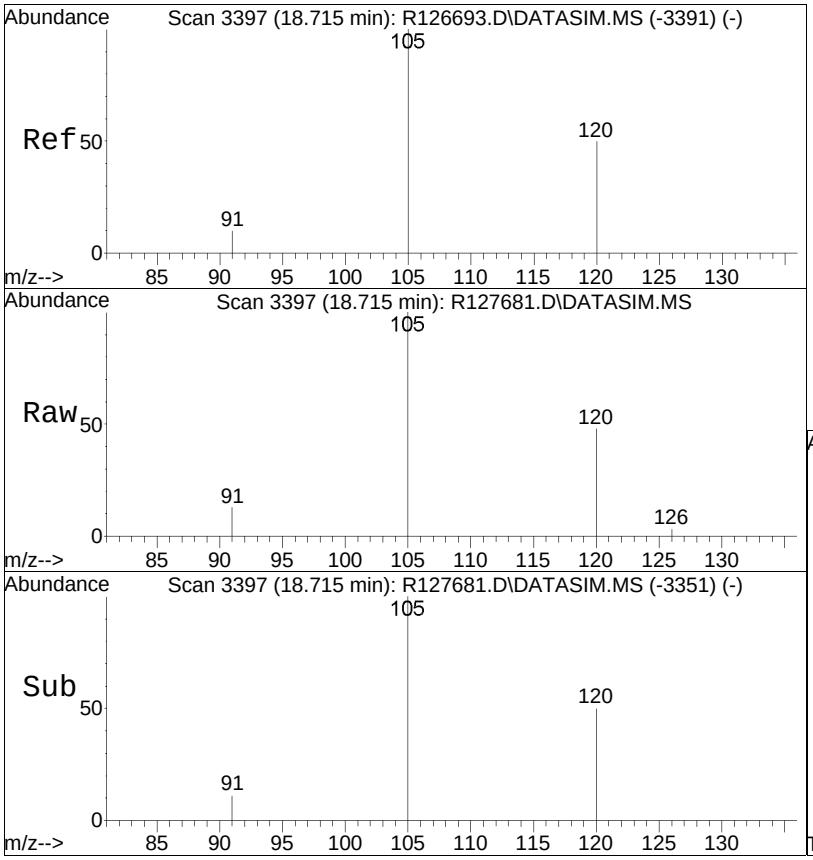


#66
4-ethyl toluene
Concen: 0.09 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:105 Resp: 7694

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.7	35.5
91	16.0	8.5	12.7#

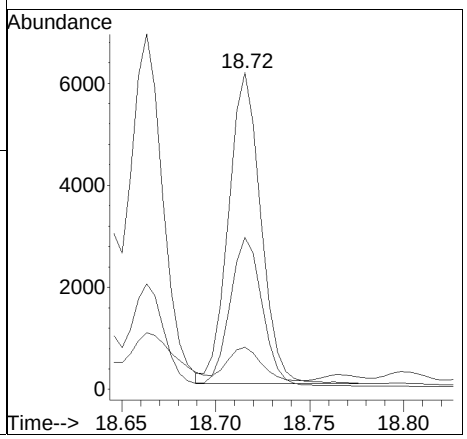


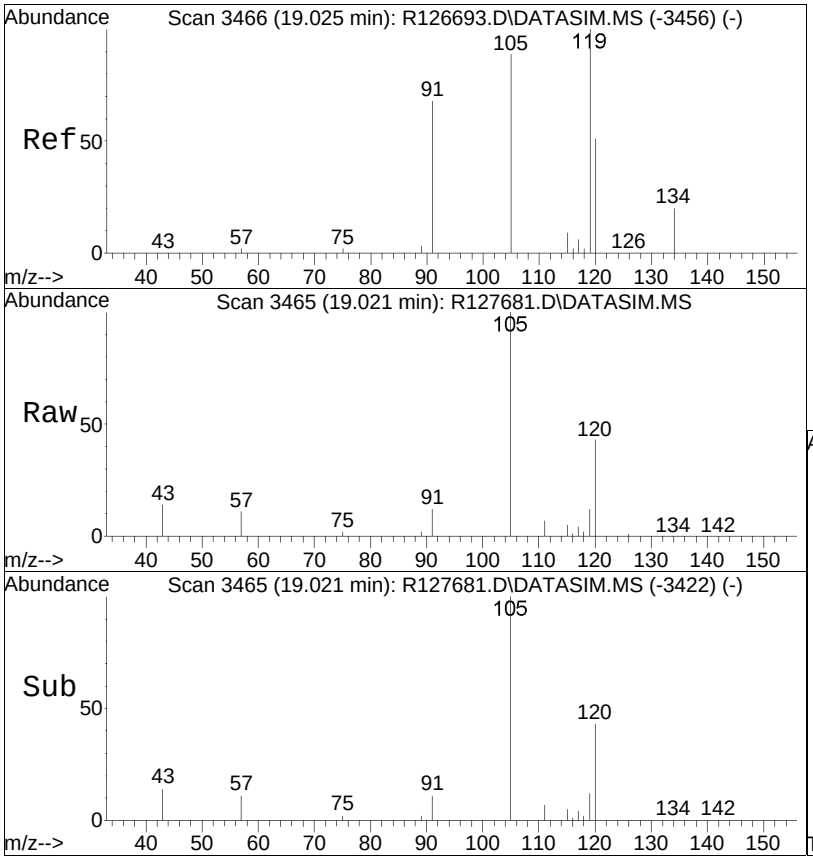


#67
1,3,5-trimethylbenzene
Concen: 0.11 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:105 Resp: 7303

Ion	Ratio	Lower	Upper
105	100		
120	47.9	39.0	58.4
91	13.3	8.0	12.0#

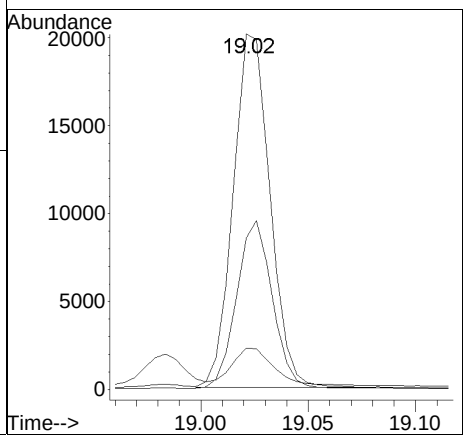


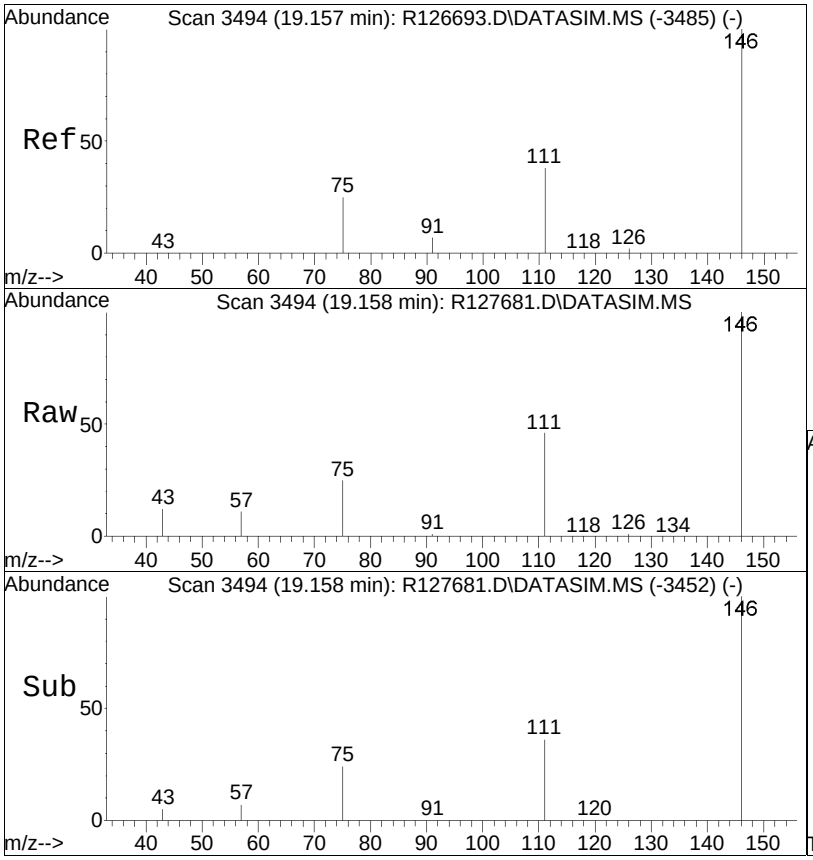


#69
1,2,4-trimethylbenzene
Concen: 0.35 ppbV
RT: 19.02 min Scan# 3465
Delta R.T. -0.005 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:105 Resp: 23943

Ion	Ratio	Lower	Upper
105	100		
120	42.6	44.9	67.3#
91	11.7	58.6	88.0#

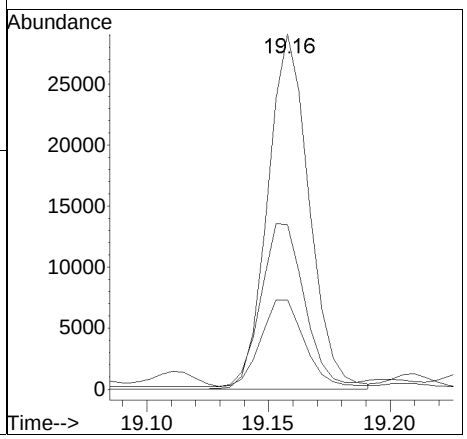


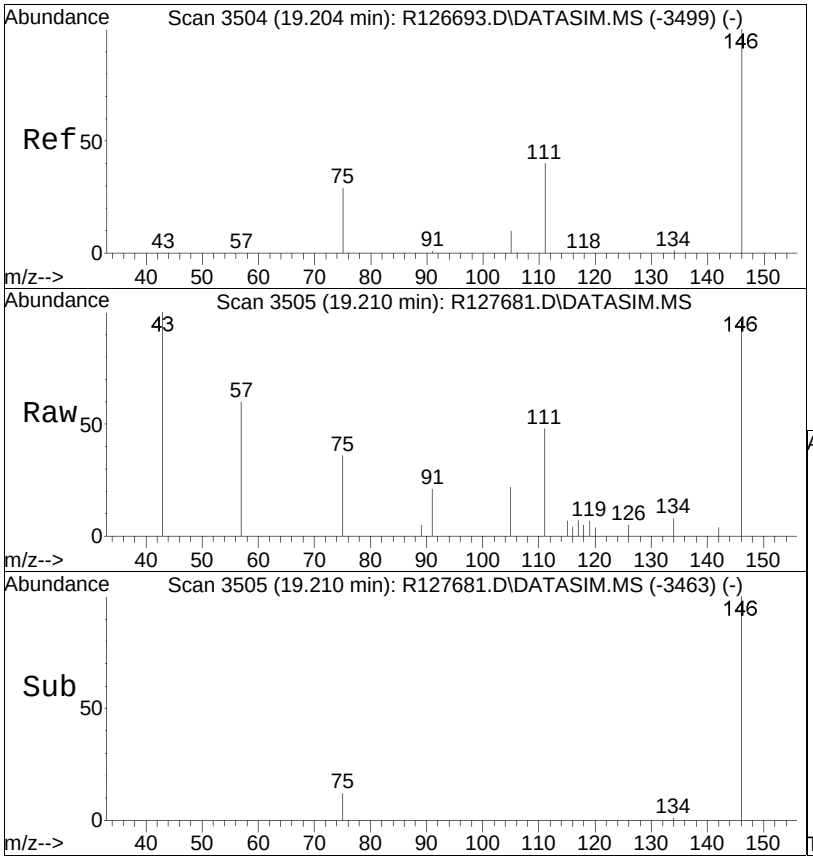


#71
1,3-dichlorobenzene
Concen: 0.66 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:146 Resp: 34221

Ion	Ratio	Lower	Upper
146	100		
111	46.4	29.5	44.3#
75	25.2	19.5	29.3

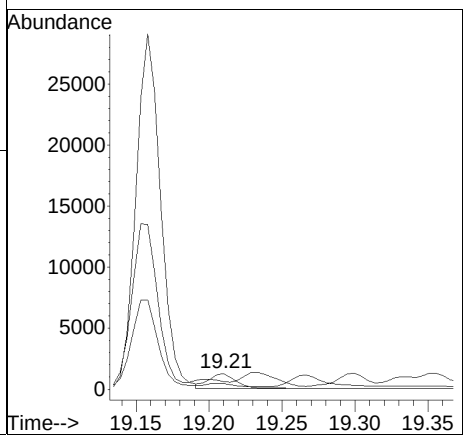


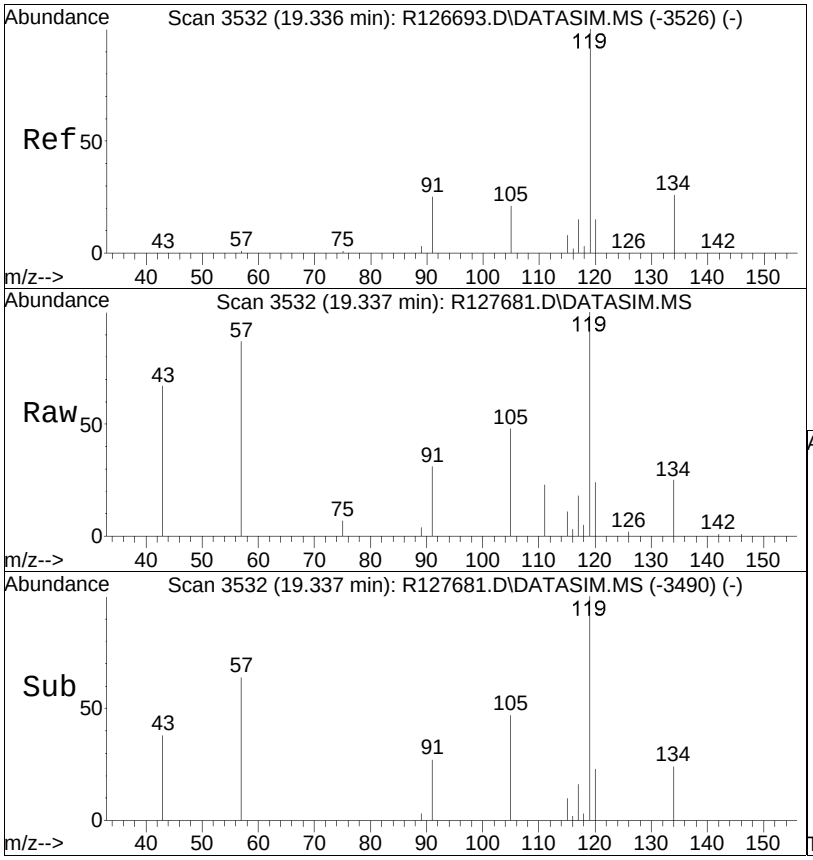


#72
1,4-dichlorobenzene
Concen: 0.03 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:146 Resp: 1694

Ion	Ratio	Lower	Upper
146	100		
111	49.7	26.4	39.6#
75	37.1	18.0	27.0#

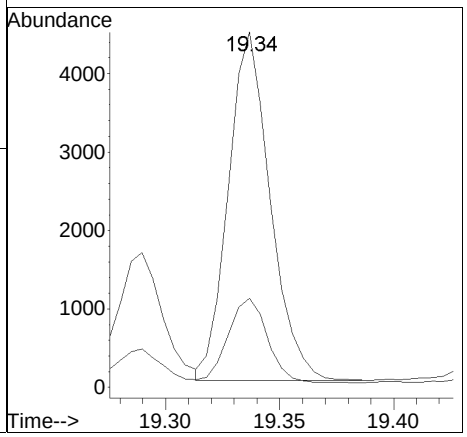


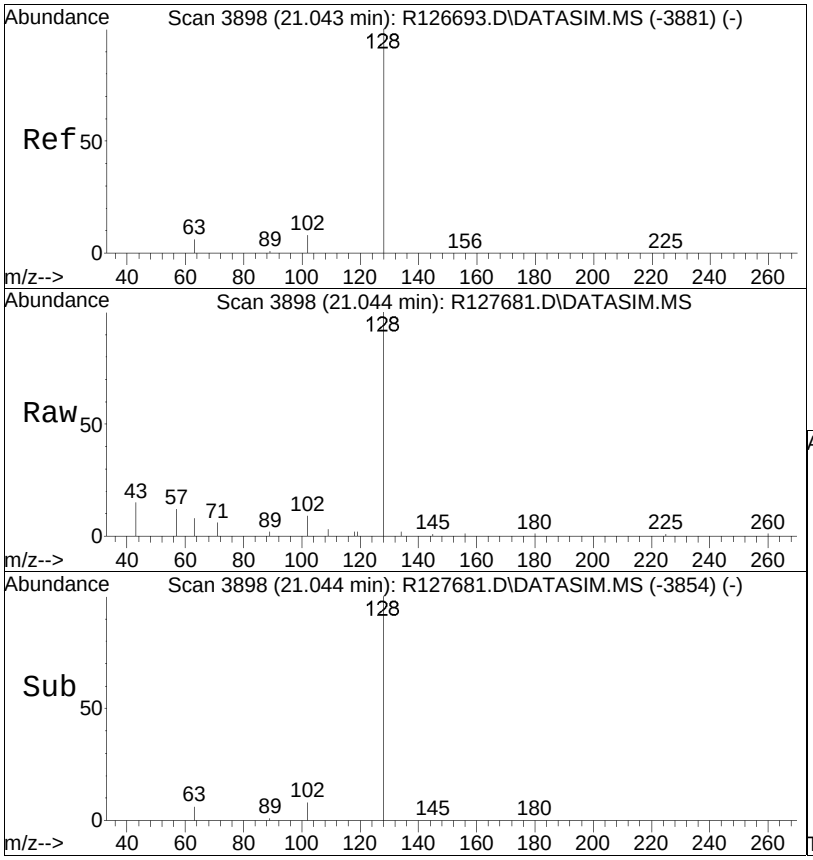


#74
p-isopropyltoluene
Concen: 0.06 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:119 Resp: 5676

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6

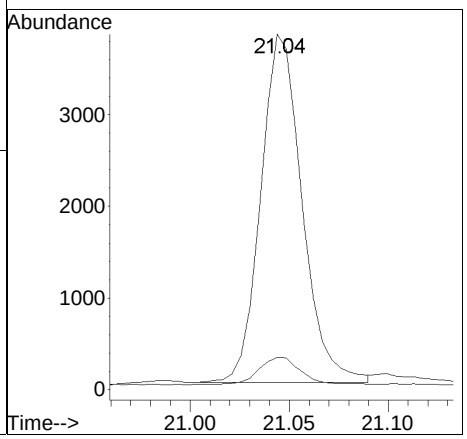




#78
naphthalene
Concen: 0.06 ppbV
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127681.D
Acq: 16 Apr 2013 1:04 am

Tgt Ion:128 Resp: 5518

Ion	Ratio	Lower	Upper
128	100		
102	9.0	6.2	9.2

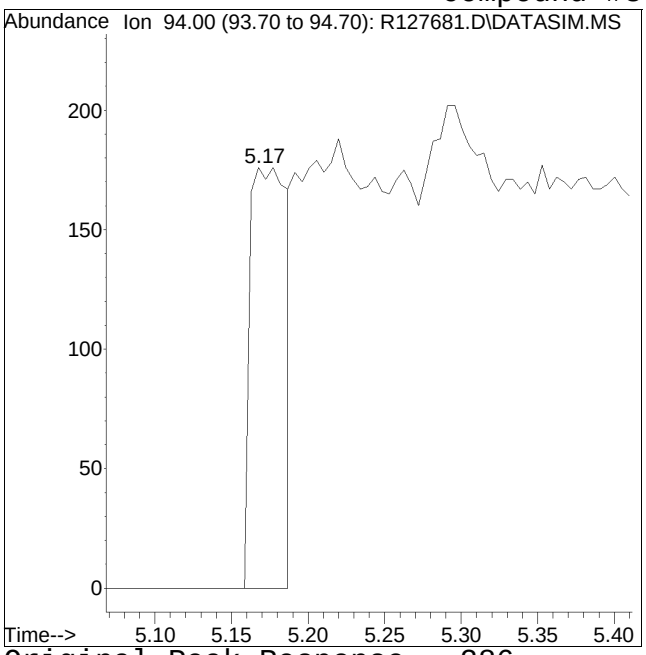


Manual Integration/Negative Proof Report

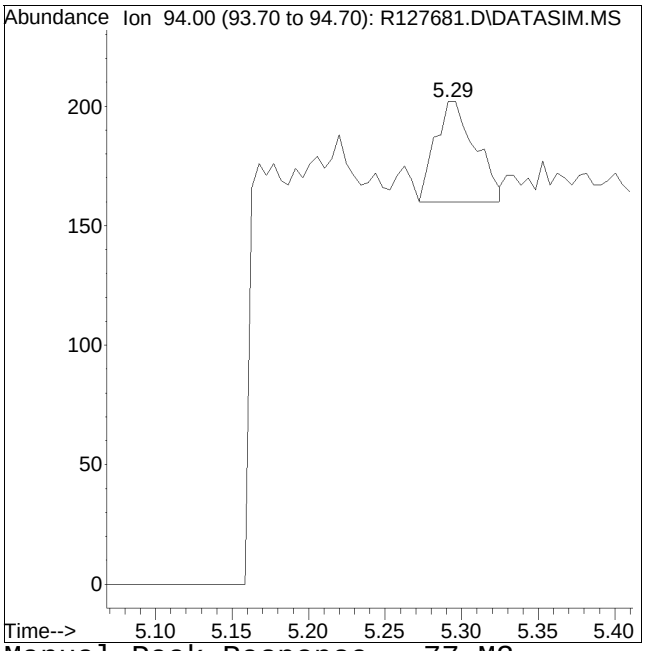
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #8: bromomethane



Original Peak Response = 286



Manual Peak Response = 77 M3

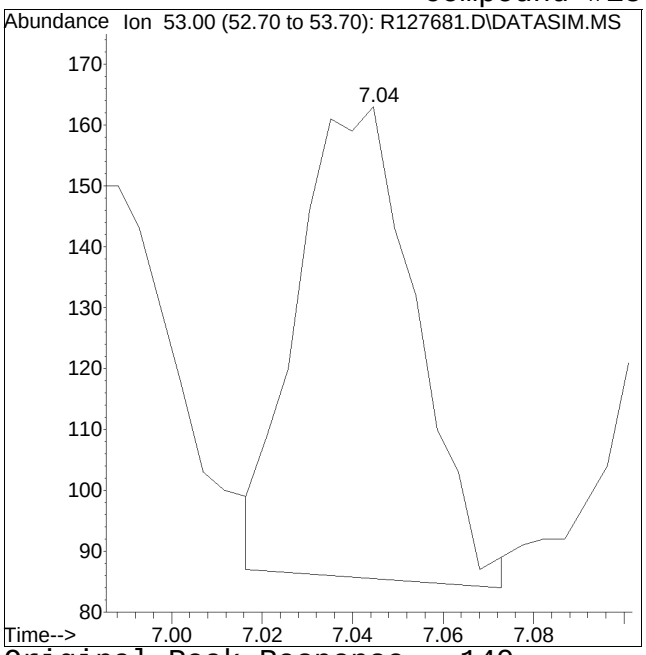
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

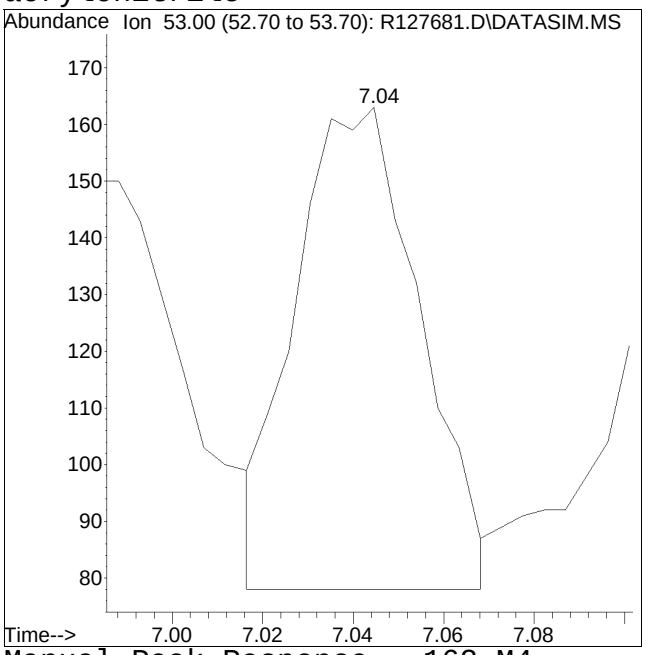
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #15: acrylonitrile



Original Peak Response = 140



Manual Peak Response = 162 M4

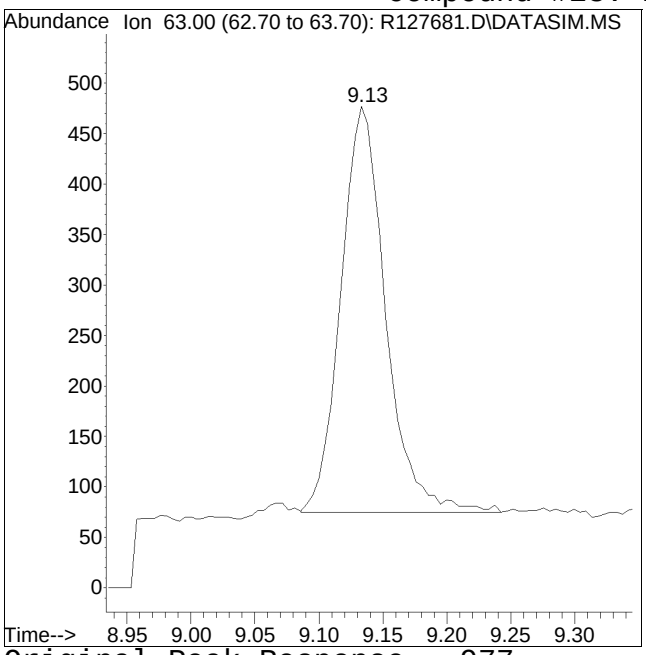
M4 = Poor automated baseline construction.

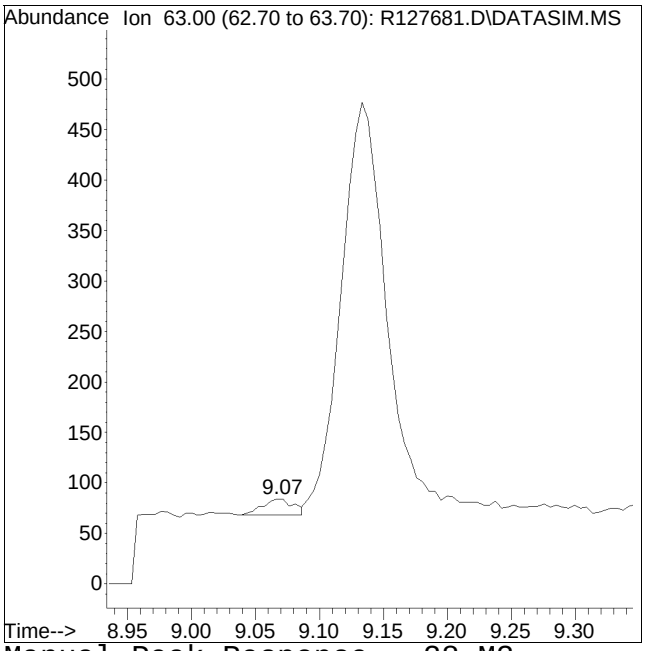
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #23: 1,1-dichloroethane





Original Peak Response = 977 Manual Peak Response = 28 M3

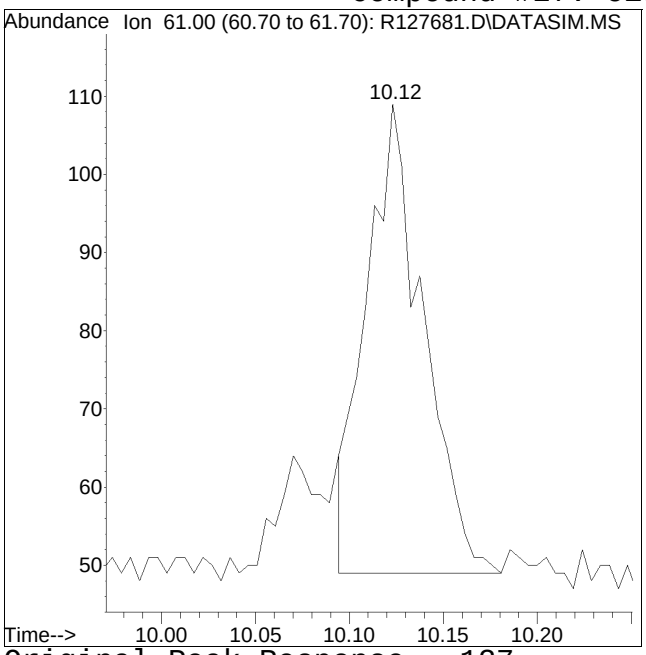
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

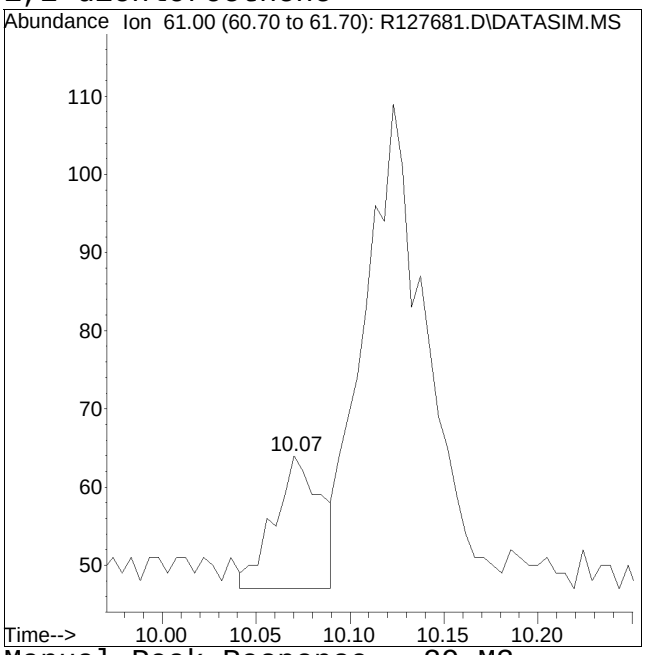
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #27: cis-1,2-dichloroethene



Original Peak Response = 127



Manual Peak Response = 29 M3

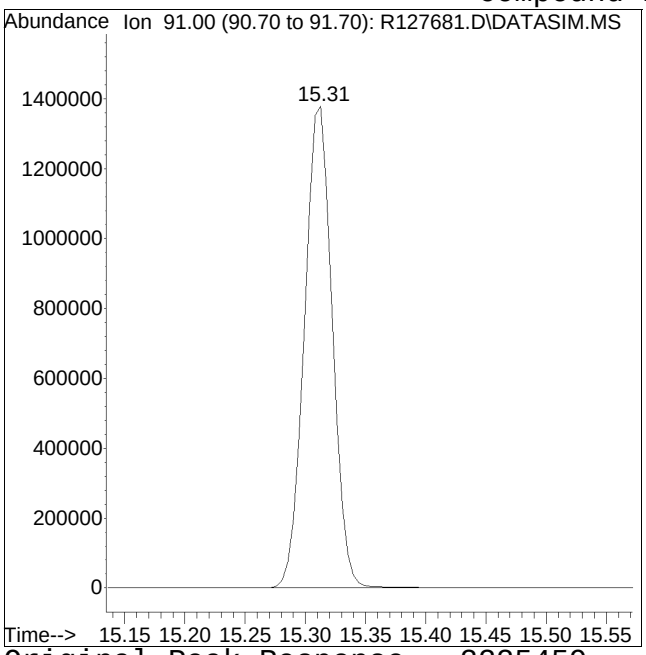
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

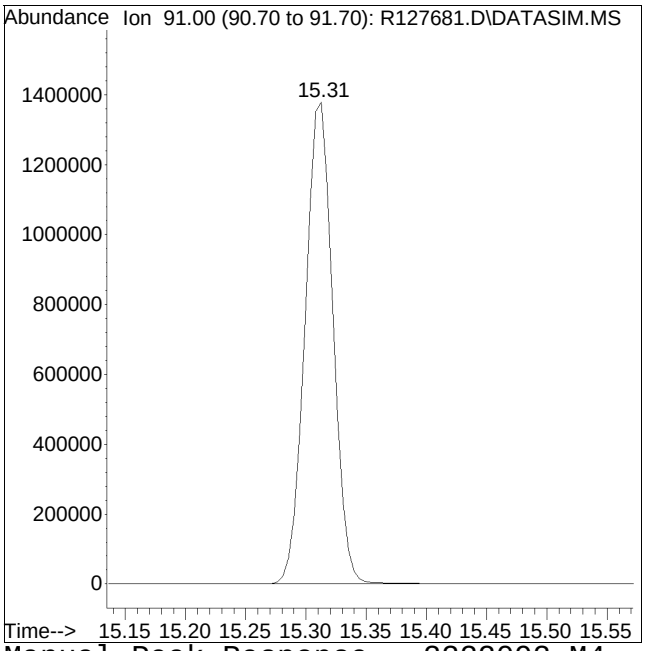
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #50: toluene



Original Peak Response = 2225459



Manual Peak Response = 2222092 M4

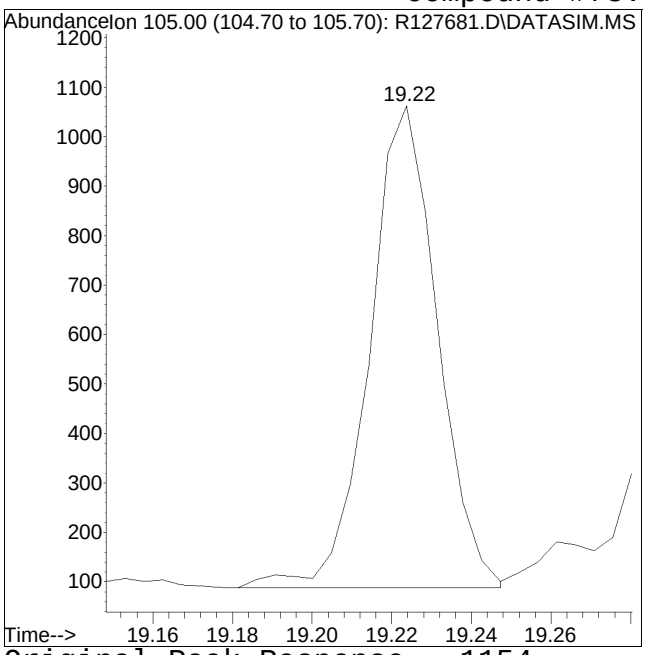
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

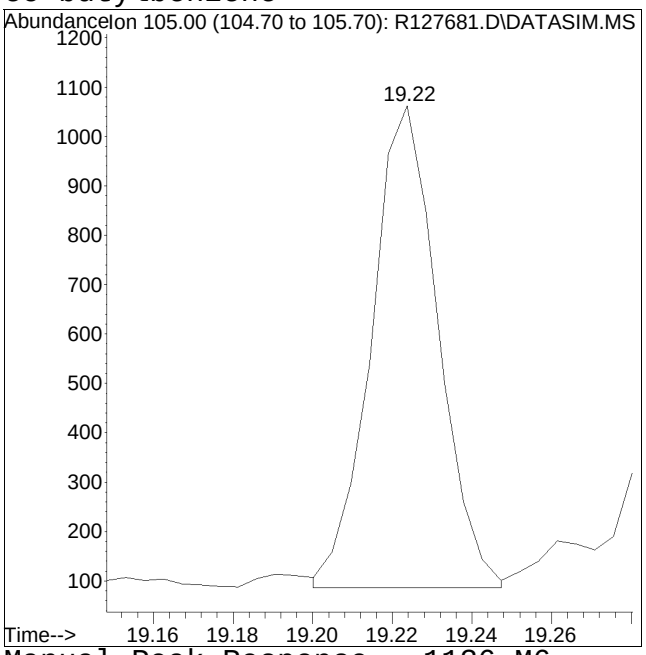
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #73: sec-butylbenzene



Original Peak Response = 1154



Manual Peak Response = 1136 M6

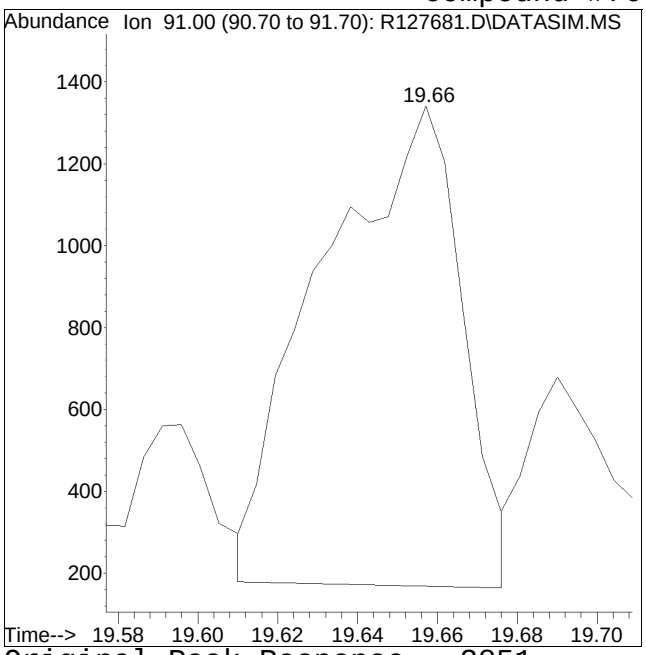
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration/Negative Proof Report

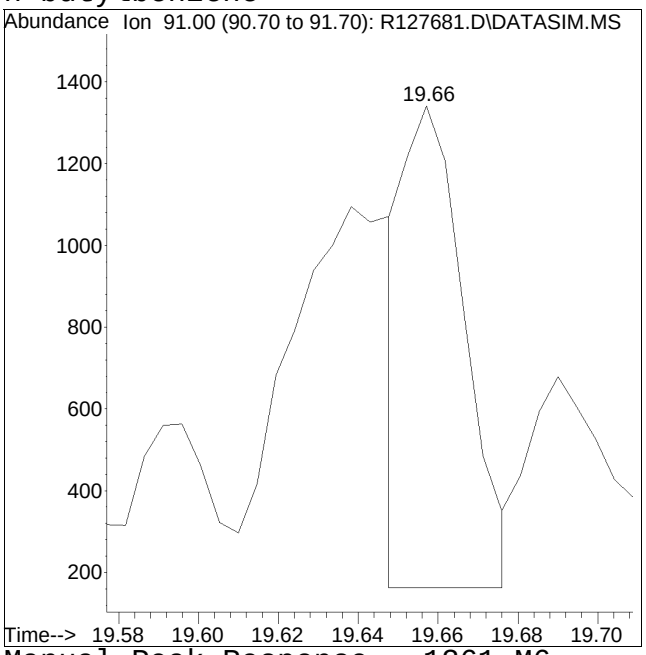
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127681.D
Date Inj'd : 4/16/2013 1:04 am
Sample : L1306330-29D,3,200,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:51 am

Compound #76: n-butylbenzene



Original Peak Response = 2851



Manual Peak Response = 1261 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127663.D
Acq On : 15 Apr 2013 1:33 pm
Operator : AIRPIANO1:MB
Sample : WG601750-4,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 17 10:01:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	237409	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 85.54%			
32) 1,4-difluorobenzene	12.49	114	561811	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 98.75%			
49) chlorobenzene-D5	16.90	54	136095	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 98.57%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18		0		N.D.	
4) chloromethane	4.40		0		N.D.	
5) Freon-114	4.53		0		N.D.	
6) vinyl chloride	4.72		0		N.D.	
7) 1,3-butadiene	4.91		0		N.D.	
8) bromomethane	0.00		0		N.D.	d
9) chloroethane	5.55		0		N.D.	
12) acetone	6.43		0		N.D.	
13) trichlorofluoromethane	6.63		0		N.D.	
15) acrylonitrile	7.04		0		N.D.	
16) 1,1-dichloroethene	0.00		0		N.D.	
17) methylene chloride	7.64		0		N.D.	
20) Freon 113	0.00		0		N.D.	
22) trans-1,2-dichloroethene	0.00		0		N.D.	
23) 1,1-dichloroethane	8.99		0		N.D.	
24) MTBE	0.00		0		N.D.	
26) 2-butanone	9.60		0		N.D.	
27) cis-1,2-dichloroethene	0.00		0		N.D.	d
29) chloroform	10.43		0		N.D.	
31) 1,2-dichloroethane	11.15		0		N.D.	
35) 1,1,1-trichloroethane	11.46		0		N.D.	
36) benzene	12.08		0		N.D.	
37) carbon tetrachloride	12.26		0		N.D.	
39) 1,2-dichloropropane	13.02		0		N.D.	
40) bromodichloromethane	13.25		0		N.D.	
42) trichloroethene	13.28		0		N.D.	
45) cis-1,3-dichloropropene	14.27		0		N.D.	
46) 4-methyl-2-pentanone	14.36		0		N.D.	
47) trans-1,3-dichloropropene	14.85		0		N.D.	

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127663.D
Acq On : 15 Apr 2013 1:33 pm
Operator : AIRPIANO1:MB
Sample : WG601750-4,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 17 10:01:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

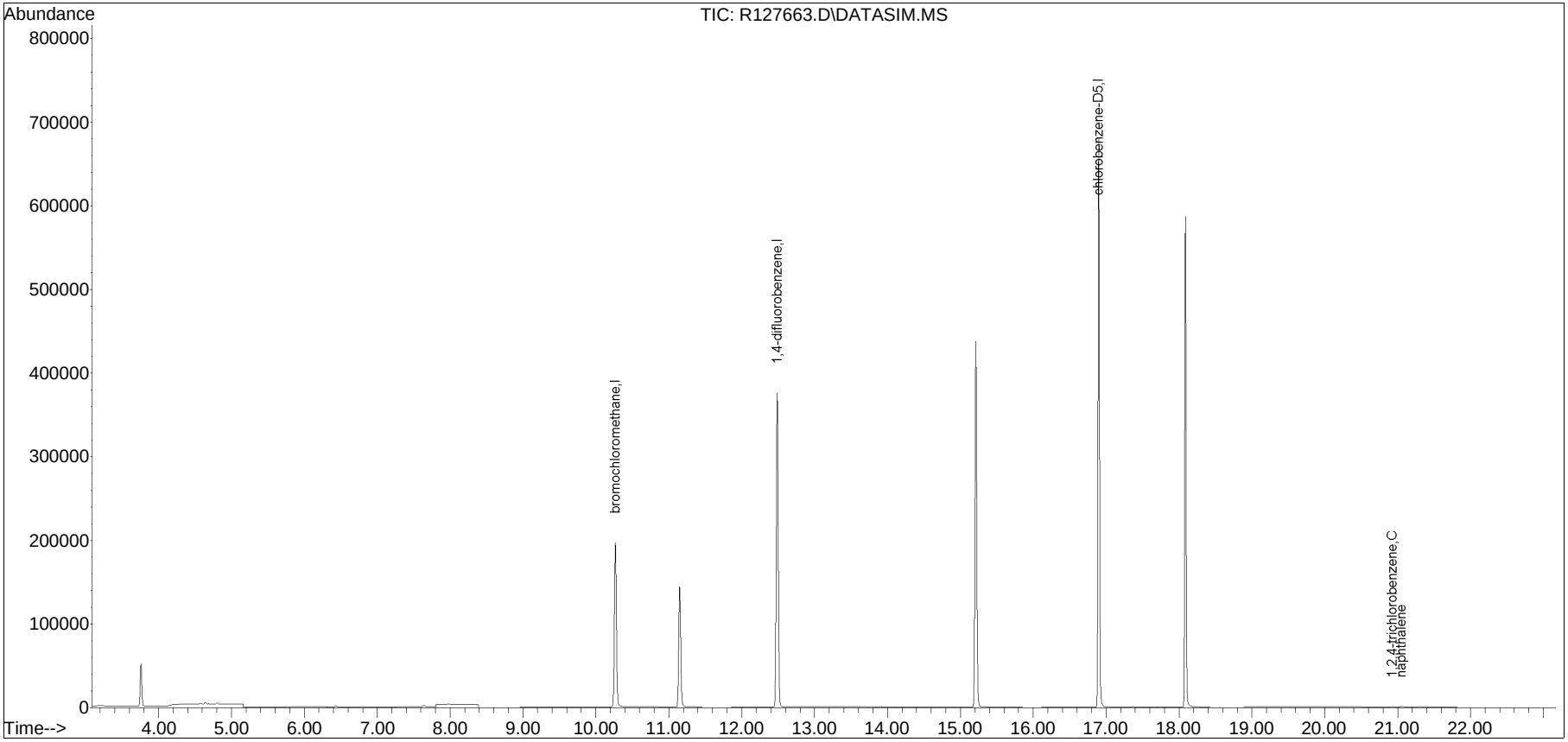
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31		0	N.D.		
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.96		0	N.D.		
55) tetrachloroethene	16.36		0	N.D.		
56) 1,1,1,2-tetrachloroethane	16.92		0	N.D.		
57) chlorobenzene	16.94		0	N.D.		
58) ethylbenzene	17.23		0	N.D.		
59) m+p-xylene	17.36		0	N.D.		
60) bromoform	17.46		0	N.D.		
61) styrene	17.66		0	N.D.		
62) 1,1,2,2-tetrachloroethane	17.75		0	N.D.		
63) o-xylene	17.74		0	N.D.		
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.67		0	N.D.		
67) 1,3,5-trimethylbenzene	18.72		0	N.D.		
69) 1,2,4-trimethylbenzene	19.03		0	N.D.		
71) 1,3-dichlorobenzene	19.17		0	N.D.		
72) 1,4-dichlorobenzene	19.21		0	N.D.		
73) sec-butylbenzene	19.23		0	N.D.		
74) p-isopropyltoluene	19.35		0	N.D.		
75) 1,2-dichlorobenzene	19.48		0	N.D.		
76) n-butylbenzene	19.67		0	N.D.		
77) 1,2,4-trichlorobenzene	20.93	180	420	0.011	ppbV #	73
78) naphthalene	21.05	128	1217	0.012	ppbV #	83
79) 1,2,3-trichlorobenzene	21.30		0	N.D.		
80) hexachlorobutadiene	21.36		0	N.D.		

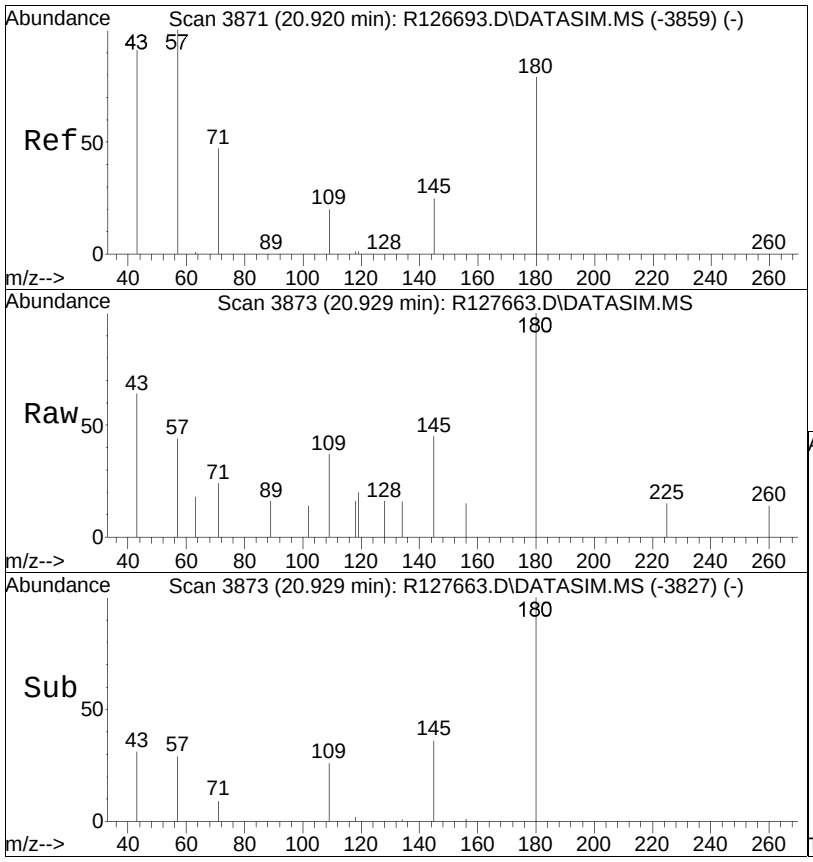
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127663.D
Acq On : 15 Apr 2013 1:33 pm
Operator : AIRPIANO1:MB
Sample : WG601750-4,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 17 10:01:51 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

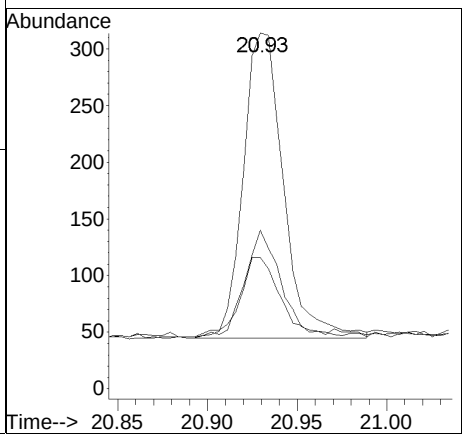


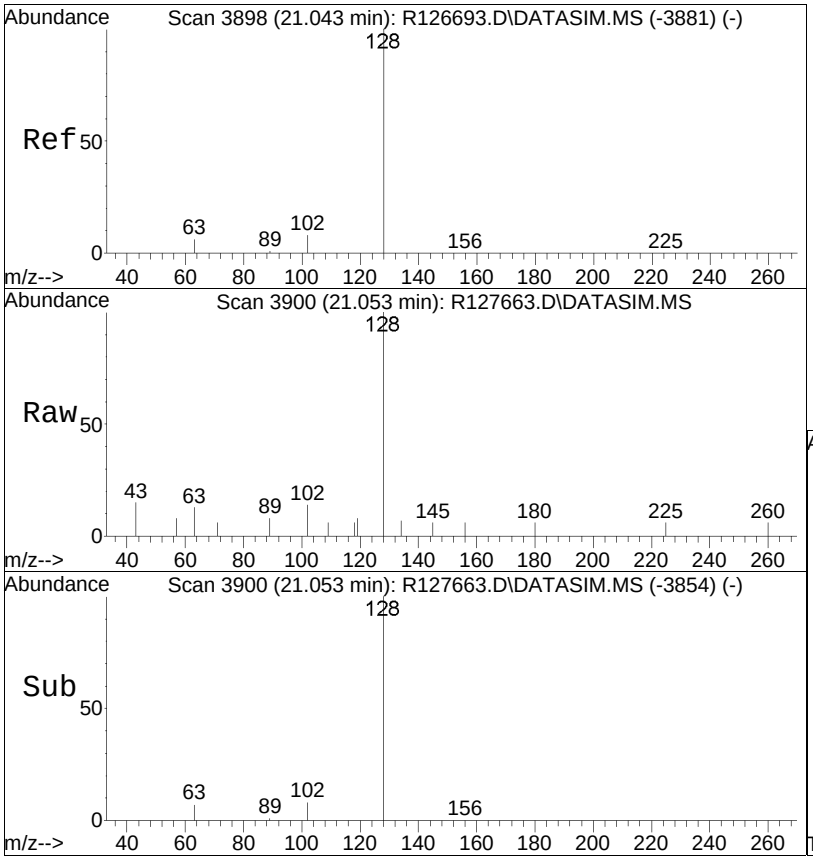


#77
1,2,4-trichlorobenzene
Concen: 0.01 ppbV
RT: 20.93 min Scan# 3873
Delta R.T. 0.009 min
Lab File: R127663.D
Acq: 15 Apr 2013 1:33 pm

Tgt Ion:180 Resp: 420

Ion	Ratio	Lower	Upper
180	100		
145	44.6	24.2	36.4#
109	36.9	18.5	27.7#

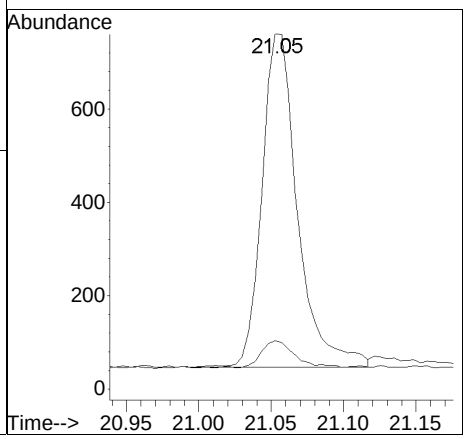




#78
naphthalene
Concen: 0.01 ppbV
RT: 21.05 min Scan# 3900
Delta R.T. 0.009 min
Lab File: R127663.D
Acq: 15 Apr 2013 1:33 pm

Tgt Ion:128 Resp: 1217

Ion	Ratio	Lower	Upper
128	100		
102	13.7	6.2	9.2#

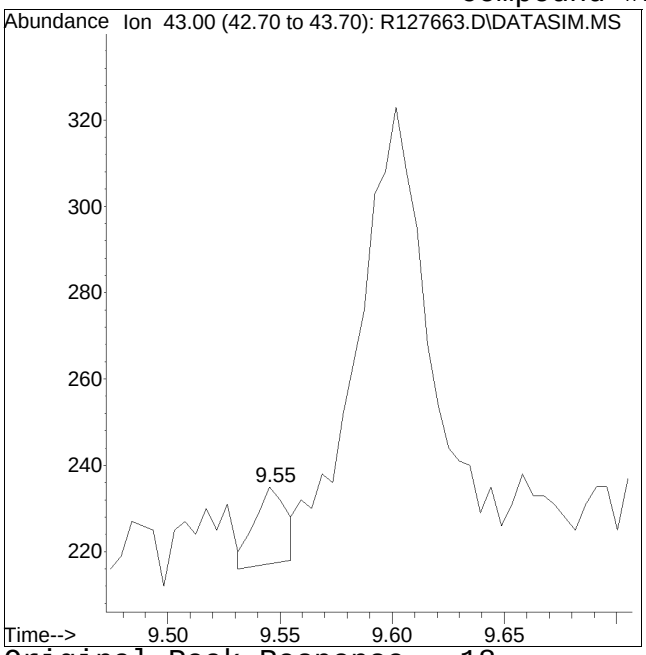


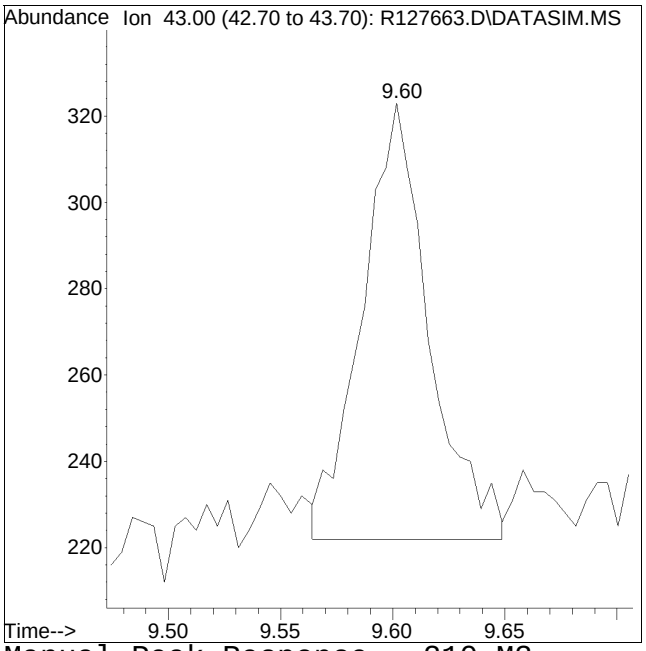
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127663.D
Date Inj'd : 4/15/2013 1:33 pm
Sample : WG601750-4,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 1:55 pm

Compound #26: 2-butanone





Original Peak Response = 18 Manual Peak Response = 210 M3

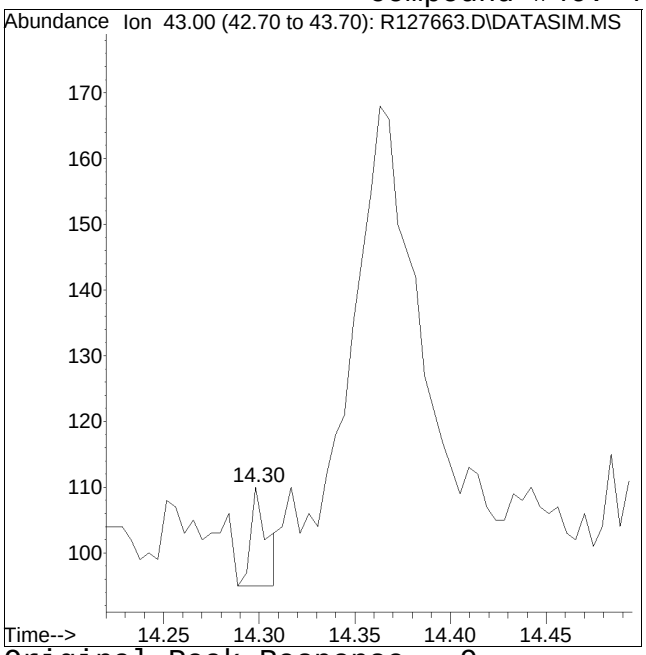
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

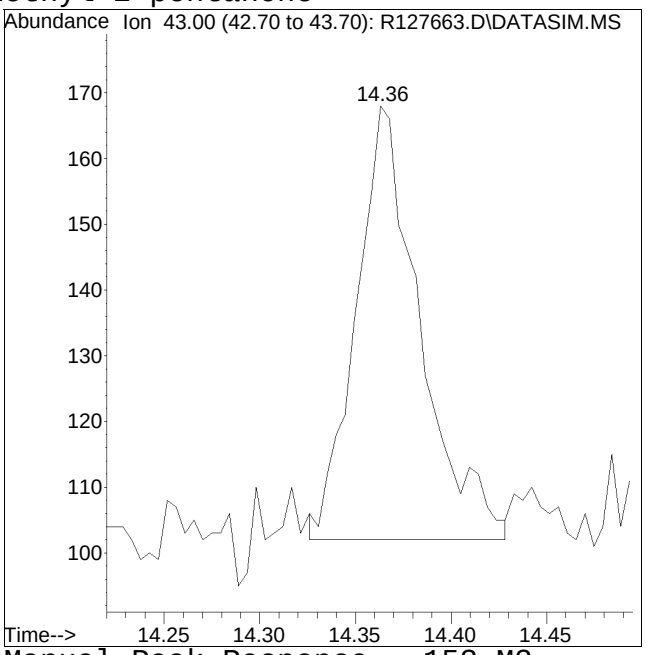
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127663.D
Date Inj'd : 4/15/2013 1:33 pm
Sample : WG601750-4,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 1:55 pm

Compound #46: 4-methyl-2-pentanone





Original Peak Response = 9 Manual Peak Response = 153 M3

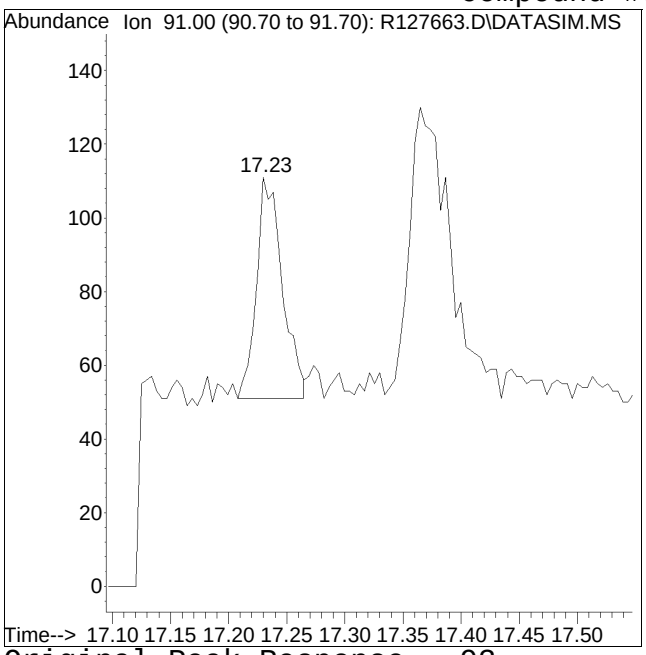
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

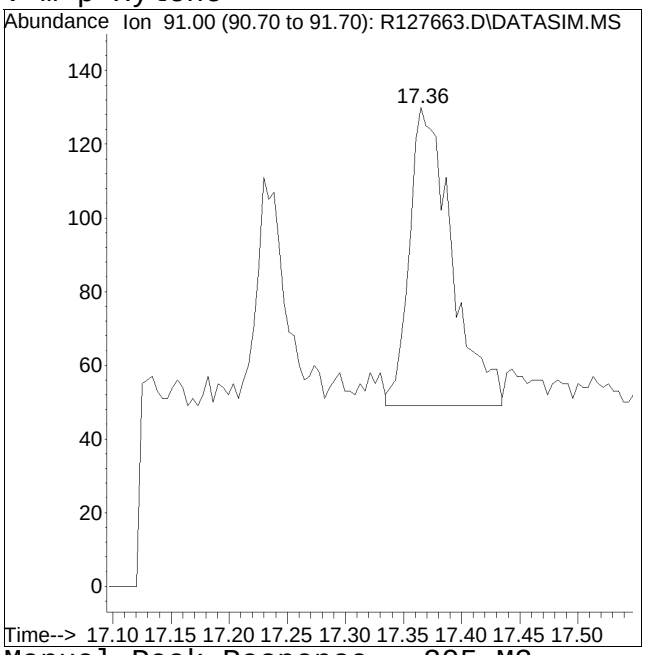
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127663.D
Date Inj'd : 4/15/2013 1:33 pm
Sample : WG601750-4,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 1:55 pm

Compound #59: m+p-xylene





Original Peak Response = 93 Manual Peak Response = 205 M3

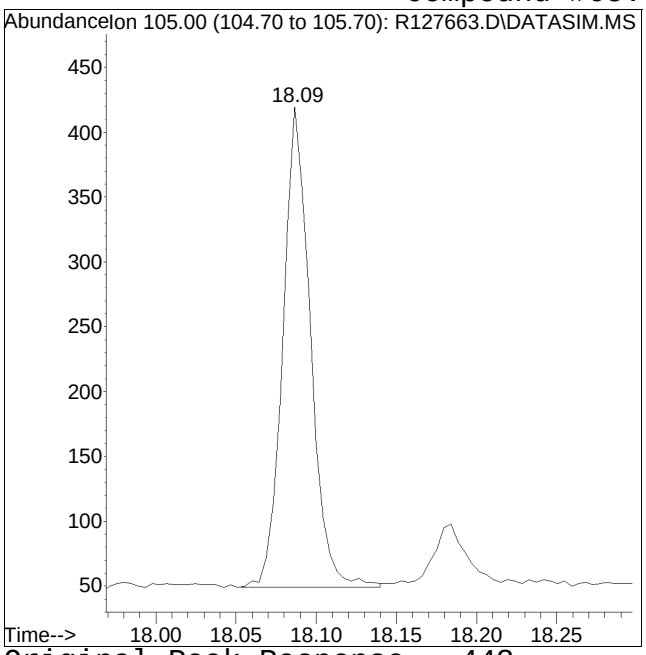
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

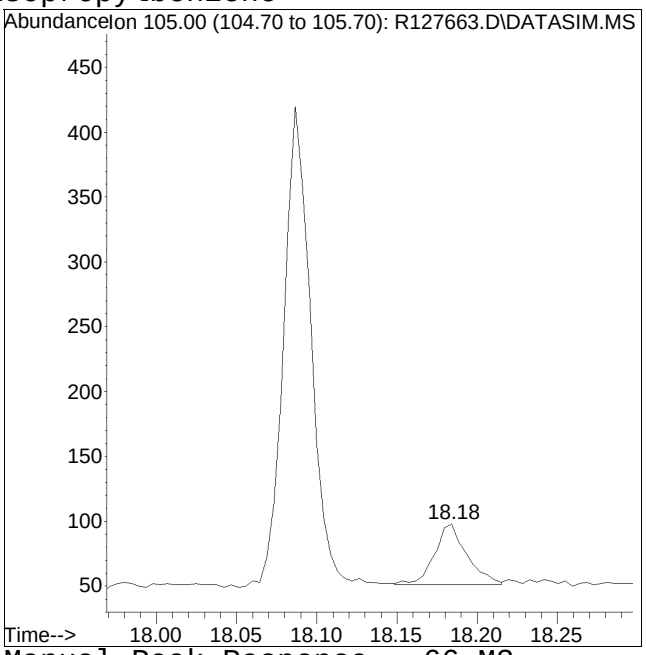
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127663.D
Date Inj'd : 4/15/2013 1:33 pm
Sample : WG601750-4,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 1:55 pm

Compound #65: isopropylbenzene



Original Peak Response = 443



Manual Peak Response = 66 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Batch Quality Control

LCS Raw Data

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-3,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	104	0.00
3		dichlorodifluoromethane	5.000	4.757	4.9	105	0.00
4	C	chloromethane	5.000	4.755	4.9	108	0.00
5		Freon-114	5.000	4.804	3.9	104	0.00
6	C	vinyl chloride	5.000	4.745	5.1	102	0.00
7	C	1,3-butadiene	5.000	4.980	0.4	108	0.00
8	C	bromomethane	5.000	4.700	6.0	103	0.00
9	C	chloroethane	5.000	4.533	9.3	101	0.00
12		acetone	25.000	25.697	-2.8	111	0.00
13		trichlorofluoromethane	5.000	4.793	4.1	102	0.00
15	C	acrylonitrile	5.000	4.652	7.0	99	0.00
16	C	1,1-dichloroethene	5.000	4.775	4.5	100	0.00
17	C	methylene chloride	5.000	4.984	0.3	106	0.00
20		Freon 113	5.000	4.815	3.7	102	0.00
22		trans-1,2-dichloroethene	5.000	4.249	15.0	90	0.00
23	C	1,1-dichloroethane	5.000	4.611	7.8	100	0.00
24	C	MTBE	5.000	4.335	13.3	95	0.00
26	C	2-butanone	5.000	4.175	16.5	89	0.00
27		cis-1,2-dichloroethene	5.000	5.123	-2.5	107	0.00
29	C	chloroform	5.000	4.827	3.5	101	0.00
31	C	1,2-dichloroethane	5.000	4.700	6.0	101	0.00
32	I	1,4-difluorobenzene	10.000	10.000	0.0	99	0.00
35	C	1,1,1-trichloroethane	5.000	4.953	0.9	95	0.00
36	C	benzene	5.000	4.837	3.3	95	0.00
37	C	carbon tetrachloride	5.000	4.495	10.1	88	0.00
39	C	1,2-dichloropropane	5.000	4.983	0.3	99	0.00
40		bromodichloromethane	5.000	4.575	8.5	90	0.00
42	C	trichloroethene	5.000	4.929	1.4	96	0.00
45	C	cis-1,3-dichloropropene	5.000	4.929	1.4	94	0.00
46	C	4-methyl-2-pentanone	5.000	5.142	-2.8	95	0.00
47		trans-1,3-dichloropropene	5.000	4.202	16.0	79	0.00
48	C	1,1,2-trichloroethane	5.000	5.237	-4.7	101	0.00
49	I	chlorobenzene-D5	10.000	10.000	0.0	100	0.00
50	C	toluene	5.000	4.787	4.3	96	0.00
53		dibromochloromethane	5.000	3.953	20.9	77	0.00
54	C	1,2-dibromoethane	5.000	4.982	0.4	97	0.00
55	C	tetrachloroethene	5.000	4.746	5.1	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-3,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
56		1,1,1,2-tetrachloroethane	5.000	4.233	15.3	83	0.00
57	C	chlorobenzene	5.000	4.917	1.7	97	0.00
58	C	ethylbenzene	5.000	4.943	1.1	97	0.00
59	C	m+p-xylene	10.000	9.924	0.8	96	0.00
60	C	bromoform	5.000	3.496	30.1#	67	0.00
61	C	styrene	5.000	4.936	1.3	95	0.00
62	C	1,1,2,2-tetrachloroethane	5.000	5.194	-3.9	101	0.00
63	C	o-xylene	5.000	4.976	0.5	98	0.00
65	C	isopropylbenzene	5.000	4.830	3.4	94	0.00
66		4-ethyl toluene	5.000	4.528	9.4	87	0.00
67		1,3,5-trimethylbenzene	5.000	4.963	0.7	97	0.00
69		1,2,4-trimethylbenzene	5.000	5.100	-2.0	98	0.00
71		1,3-dichlorobenzene	5.000	5.074	-1.5	96	0.00
72	C	1,4-dichlorobenzene	5.000	5.026	-0.5	96	0.00
73		sec-butylbenzene	5.000	4.768	4.6	91	0.00
74		p-isopropyltoluene	5.000	4.512	9.8	85	0.00
75		1,2-dichlorobenzene	5.000	5.036	-0.7	96	0.00
76		n-butylbenzene	5.000	5.103	-2.1	95	0.00
77	C	1,2,4-trichlorobenzene	5.000	5.523	-10.5	97	0.00
78		naphthalene	5.000	5.016	-0.3	94	0.00
79		1,2,3-trichlorobenzene	5.000	5.257	-5.1	98	0.00
80	C	hexachlorobutadiene	5.000	5.068	-1.4	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-3,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	107	0.00
3		dichlorodifluoromethane	5.000	5.148	-3.0	117	0.00
4	C	chloromethane	5.000	5.077	-1.5	119	0.00
5		Freon-114	5.000	5.128	-2.6	114	0.00
6	C	vinyl chloride	5.000	5.102	-2.0	114	0.00
7	C	1,3-butadiene	5.000	5.292	-5.8	118	0.00
8	C	bromomethane	5.000	5.028	-0.6	113	0.00
9	C	chloroethane	5.000	4.958	0.8	114	0.00
12		acetone	25.000	26.379	-5.5	118	0.00
13		trichlorofluoromethane	5.000	5.144	-2.9	113	0.00
15	C	acrylonitrile	5.000	5.020	-0.4	110	0.00
16	C	1,1-dichloroethene	5.000	5.115	-2.3	111	0.00
17	C	methylene chloride	5.000	5.266	-5.3	116	0.00
20		Freon 113	5.000	5.163	-3.3	113	0.00
22		trans-1,2-dichloroethene	5.000	4.503	9.9	98	0.00
23	C	1,1-dichloroethane	5.000	4.948	1.0	111	0.00
24	C	MTBE	5.000	4.576	8.5	104	0.00
26	C	2-butanone	5.000	4.386	12.3	96	0.00
27		cis-1,2-dichloroethene	5.000	4.892	2.2	105	0.00
29	C	chloroform	5.000	5.180	-3.6	111	0.00
31	C	1,2-dichloroethane	5.000	5.033	-0.7	112	0.00
32	I	1,4-difluorobenzene	10.000	10.000	0.0	103	0.00
35	C	1,1,1-trichloroethane	5.000	5.378	-7.6	108	0.00
36	C	benzene	5.000	5.173	-3.5	106	0.00
37	C	carbon tetrachloride	5.000	5.021	-0.4	102	0.00
39	C	1,2-dichloropropane	5.000	5.340	-6.8	110	0.00
40		bromodichloromethane	5.000	4.906	1.9	100	0.00
42	C	trichloroethene	5.000	5.297	-5.9	107	0.00
45	C	cis-1,3-dichloropropene	5.000	5.448	-9.0	108	0.00
46	C	4-methyl-2-pentanone	5.000	5.437	-8.7	105	0.00
47		trans-1,3-dichloropropene	5.000	4.649	7.0	91	0.00
48	C	1,1,2-trichloroethane	5.000	5.628	-12.6	113	0.00
49	I	chlorobenzene-D5	10.000	10.000	0.0	105	0.00
50	C	toluene	5.000	5.116	-2.3	107	0.00
53		dibromochloromethane	5.000	4.365	12.7	89	0.00
54	C	1,2-dibromoethane	5.000	5.368	-7.4	109	0.00
55	C	tetrachloroethene	5.000	5.126	-2.5	106	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-3,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
56		1,1,1,2-tetrachloroethane	5.000	4.633	7.3	94	0.00
57	C	chlorobenzene	5.000	5.257	-5.1	108	0.00
58	C	ethylbenzene	5.000	5.258	-5.2	107	0.00
59	C	m+p-xylene	10.000	10.651	-6.5	108	0.00
60	C	bromoform	5.000	3.955	20.9	79	0.00
61	C	styrene	5.000	5.301	-6.0	106	0.00
62	C	1,1,2,2-tetrachloroethane	5.000	5.515	-10.3	111	0.00
63	C	o-xylene	5.000	5.293	-5.9	109	0.00
65	C	isopropylbenzene	5.000	5.102	-2.0	103	0.00
66		4-ethyl toluene	5.000	4.587	8.3	92	0.00
67		1,3,5-trimethylbenzene	5.000	5.237	-4.7	107	0.00
69		1,2,4-trimethylbenzene	5.000	5.389	-7.8	108	0.00
71		1,3-dichlorobenzene	5.000	5.327	-6.5	105	0.00
72	C	1,4-dichlorobenzene	5.000	5.294	-5.9	105	0.00
73		sec-butylbenzene	5.000	4.973	0.5	98	0.00
74		p-isopropyltoluene	5.000	4.700	6.0	92	0.00
75		1,2-dichlorobenzene	5.000	5.308	-6.2	105	0.00
76		n-butylbenzene	5.000	5.287	-5.7	103	0.00
77	C	1,2,4-trichlorobenzene	5.000	5.764	-15.3	106	0.00
78		naphthalene	5.000	5.274	-5.5	103	0.00
79		1,2,3-trichlorobenzene	5.000	5.704	-14.1	110	0.00
80	C	hexachlorobutadiene	5.000	5.297	-5.9	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-3,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	268822	10.000	ppbV	0.00
Standard Area = 268822			Recovery = 100.00%			
32) 1,4-difluorobenzene	12.49	114	547088	10.000	ppbV	0.00
Standard Area = 547088			Recovery = 100.00%			
49) chlorobenzene-D5	16.90	54	132720	10.000	ppbV	0.00
Standard Area = 132720			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	165593	4.757	ppbV	100
4) chloromethane	4.40	50	87069	4.755	ppbV	100
5) Freon-114	4.55	85	182813	4.804	ppbV	99
6) vinyl chloride	4.71	62	73977	4.745	ppbV	100
7) 1,3-butadiene	4.91	54	61817	4.980	ppbV	98
8) bromomethane	5.29	94	65497	4.700	ppbV	100
9) chloroethane	5.55	64	31580	4.533	ppbV	99
12) acetone	6.39	43	747424	25.697	ppbV	99
13) trichlorofluoromethane	6.62	101	200257	4.793	ppbV	100
15) acrylonitrile	7.04	53	65832	4.652	ppbV	100
16) 1,1-dichloroethene	7.47	61	124442	4.775	ppbV	99
17) methylene chloride	7.64	49	121168	4.984	ppbV	97
20) Freon 113	7.99	101	139755	4.815	ppbV	99
22) trans-1,2-dichloroethene	8.82	61	106818M4	4.249	ppbV	
23) 1,1-dichloroethane	9.07	63	134230	4.611	ppbV	99
24) MTBE	9.16	73	152962	4.335	ppbV	100
26) 2-butanone	9.56	43	190314	4.175	ppbV	97
27) cis-1,2-dichloroethene	10.07	61	127508	5.123	ppbV	98
29) chloroform	10.43	83	151692	4.827	ppbV	99
31) 1,2-dichloroethane	11.27	62	111581	4.700	ppbV	100
35) 1,1,1-trichloroethane	11.56	97	145059	4.953	ppbV	97
36) benzene	12.08	78	209120	4.837	ppbV	99
37) carbon tetrachloride	12.25	117	144367	4.495	ppbV	99
39) 1,2-dichloropropane	13.02	63	94751	4.983	ppbV	99
40) bromodichloromethane	13.24	83	150446	4.575	ppbV	100
42) trichloroethene	13.28	130	104204	4.929	ppbV	99
45) cis-1,3-dichloropropene	14.27	75	117075	4.929	ppbV	99
46) 4-methyl-2-pentanone	14.30	43	252502	5.142	ppbV	100
47) trans-1,3-dichloropropene	14.84	75	99850	4.202	ppbV	98
48) 1,1,2-trichloroethane	15.03	97	96899	5.237	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-3,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

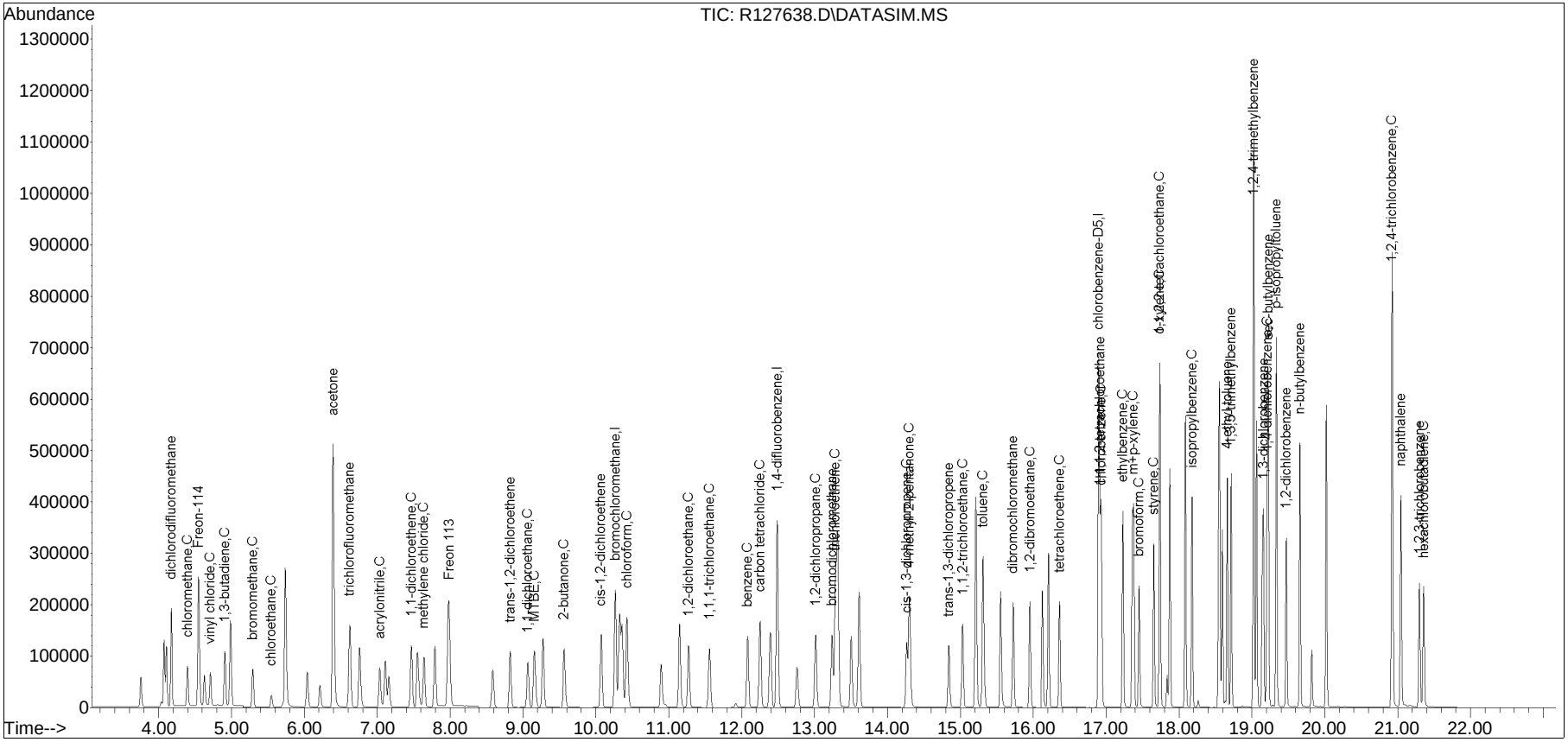
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) toluene	15.31	91	257518M4	4.787	ppbV	
53) dibromochloromethane	15.72	129	152299M4	3.953	ppbV	
54) 1,2-dibromoethane	15.96	107	160589M4	4.982	ppbV	
55) tetrachloroethene	16.36	166	131808	4.746	ppbV	97
56) 1,1,1,2-tetrachloroethane	16.92	131	118766	4.233	ppbV	99
57) chlorobenzene	16.93	112	221683	4.917	ppbV	99
58) ethylbenzene	17.23	91	340660	4.943	ppbV	99
59) m+p-xylene	17.37	91	531670	9.924	ppbV	99
60) bromoform	17.45	173	136301	3.496	ppbV	100
61) styrene	17.65	104	204881	4.936	ppbV	100
62) 1,1,2,2-tetrachloroethane	17.74	83	228320	5.194	ppbV	100
63) o-xylene	17.74	91	277818	4.976	ppbV	100
65) isopropylbenzene	18.18	105	395710	4.830	ppbV	100
66) 4-ethyl toluene	18.66	105	367434	4.528	ppbV	100
67) 1,3,5-trimethylbenzene	18.72	105	330607	4.963	ppbV	100
69) 1,2,4-trimethylbenzene	19.03	105	340116	5.100	ppbV	96
71) 1,3-dichlorobenzene	19.16	146	256076	5.074	ppbV	99
72) 1,4-dichlorobenzene	19.21	146	257906	5.026	ppbV	99
73) sec-butylbenzene	19.22	105	495744	4.768	ppbV	99
74) p-isopropyltoluene	19.34	119	413752	4.512	ppbV	100
75) 1,2-dichlorobenzene	19.47	146	244413	5.036	ppbV	98
76) n-butylbenzene	19.66	91	423390	5.103	ppbV	99
77) 1,2,4-trichlorobenzene	20.92	180	215405	5.523	ppbV	99
78) naphthalene	21.04	128	489346	5.016	ppbV	100
79) 1,2,3-trichlorobenzene	21.30	180	214552	5.257	ppbV	99
80) hexachlorobutadiene	21.36	225	166842	5.068	ppbV	97

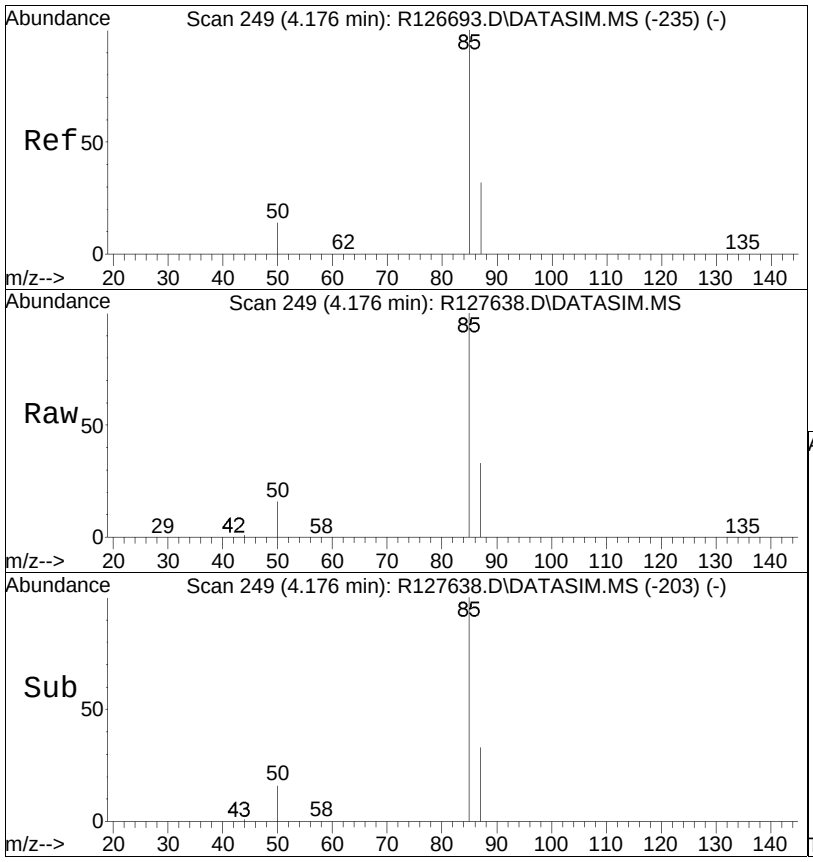
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-3,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

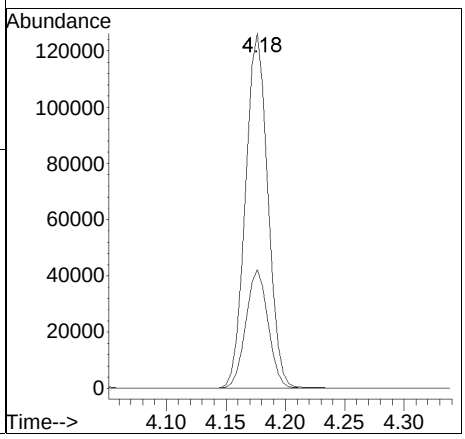


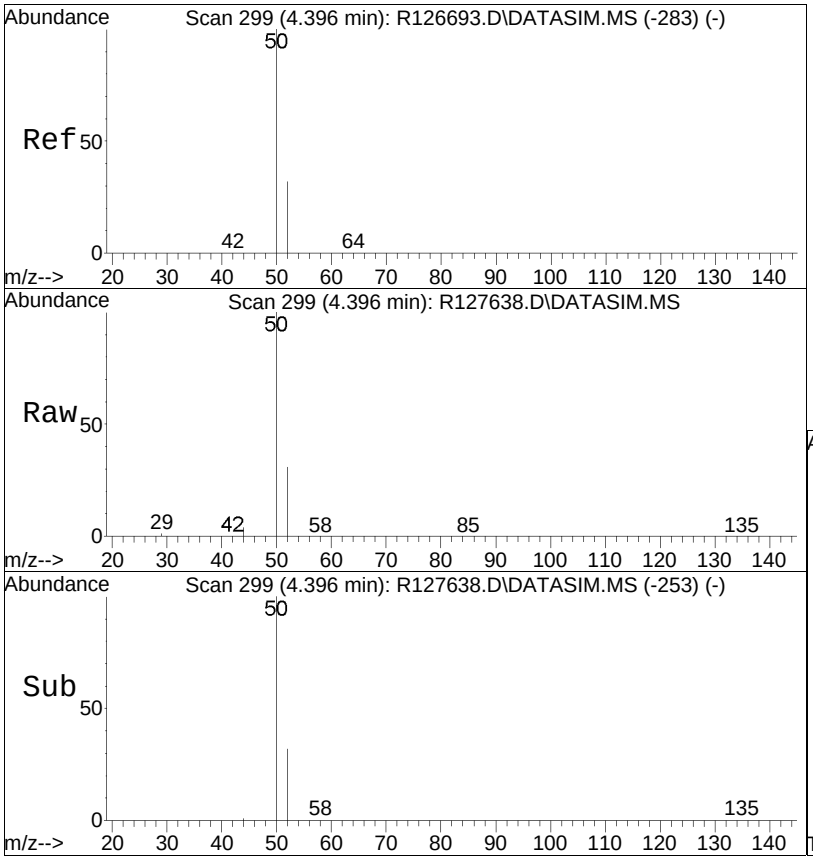


#3
dichlorodifluoromethane
Concen: 4.76 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 85 Resp: 165593

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.6	40.0

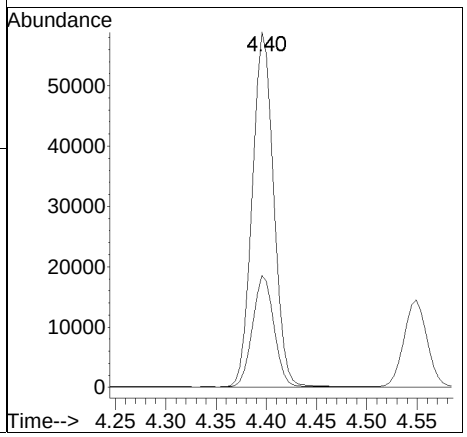


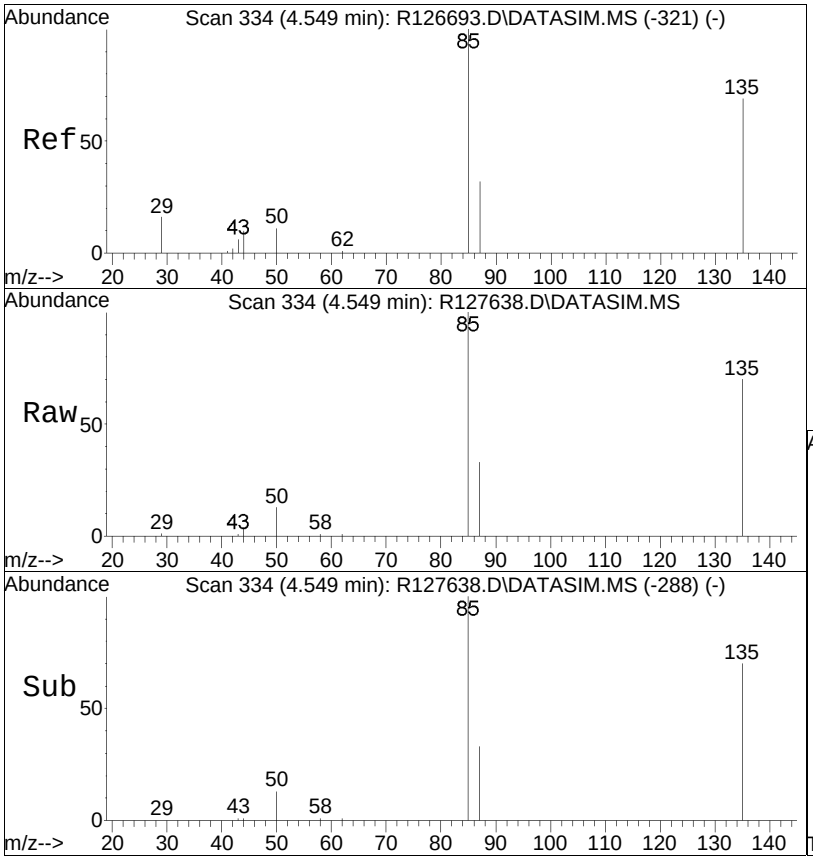


#4
chloromethane
Concen: 4.75 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 50 Resp: 87069

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.3	37.9

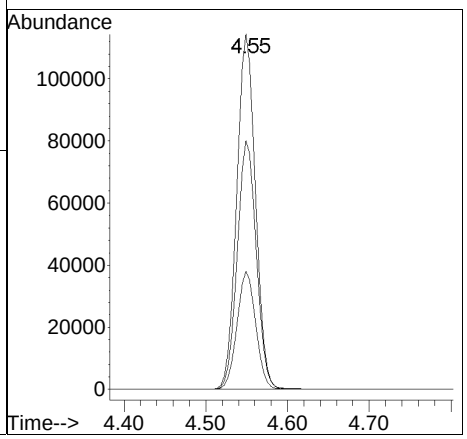


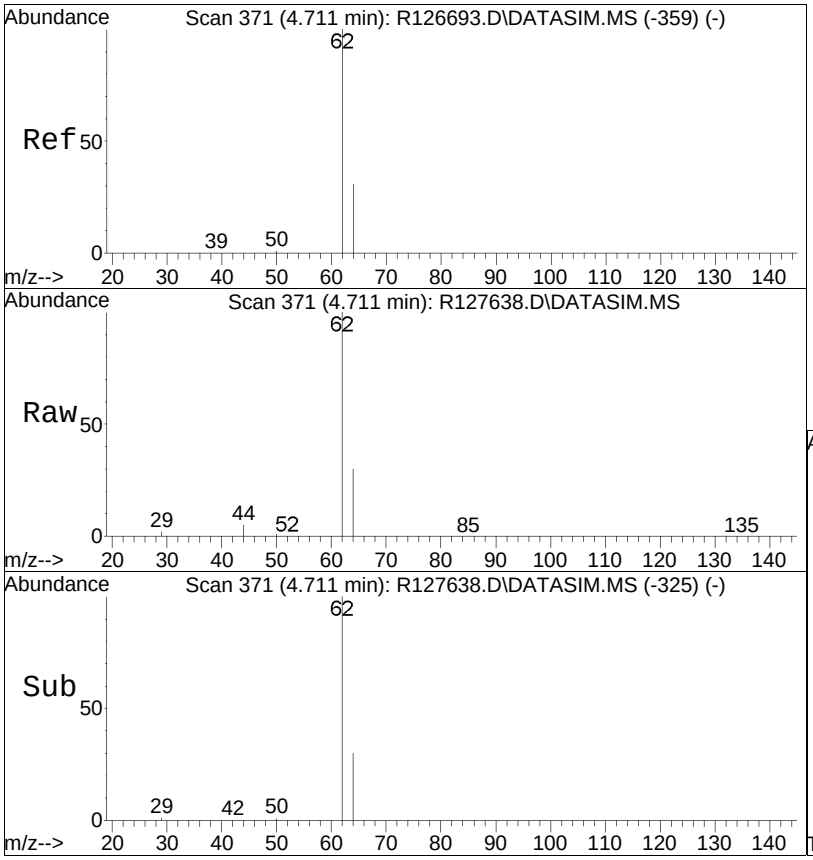


#5
Freon-114
Concen: 4.80 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 85 Resp: 182813

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.5	39.7
135	70.0	56.9	85.3

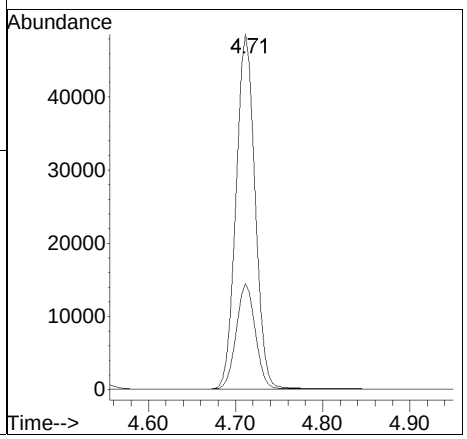


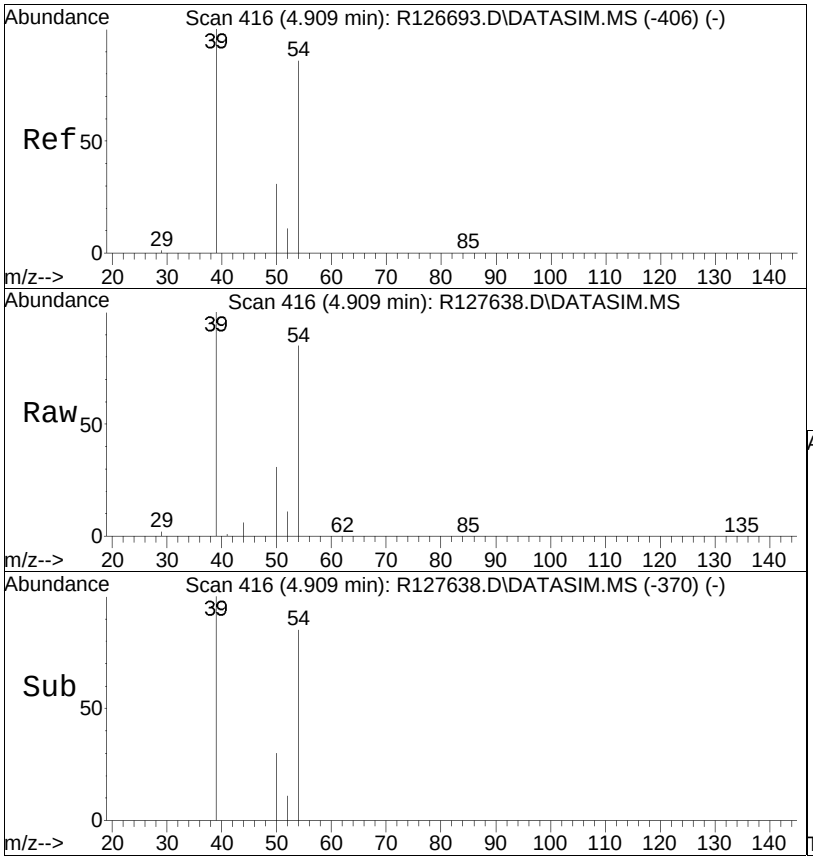


#6
vinyl chloride
Concen: 4.74 ppbV
RT: 4.71 min Scan# 371
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 62 Resp: 73977

Ion	Ratio	Lower	Upper
62	100		
64	29.8	24.0	36.0

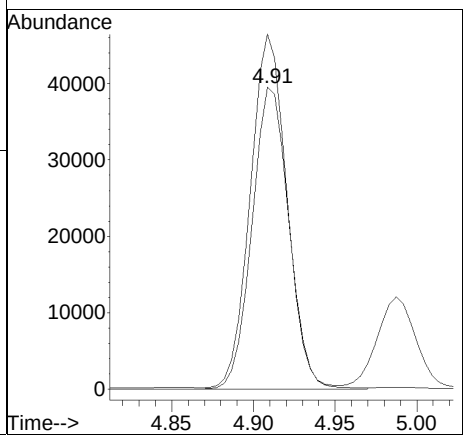


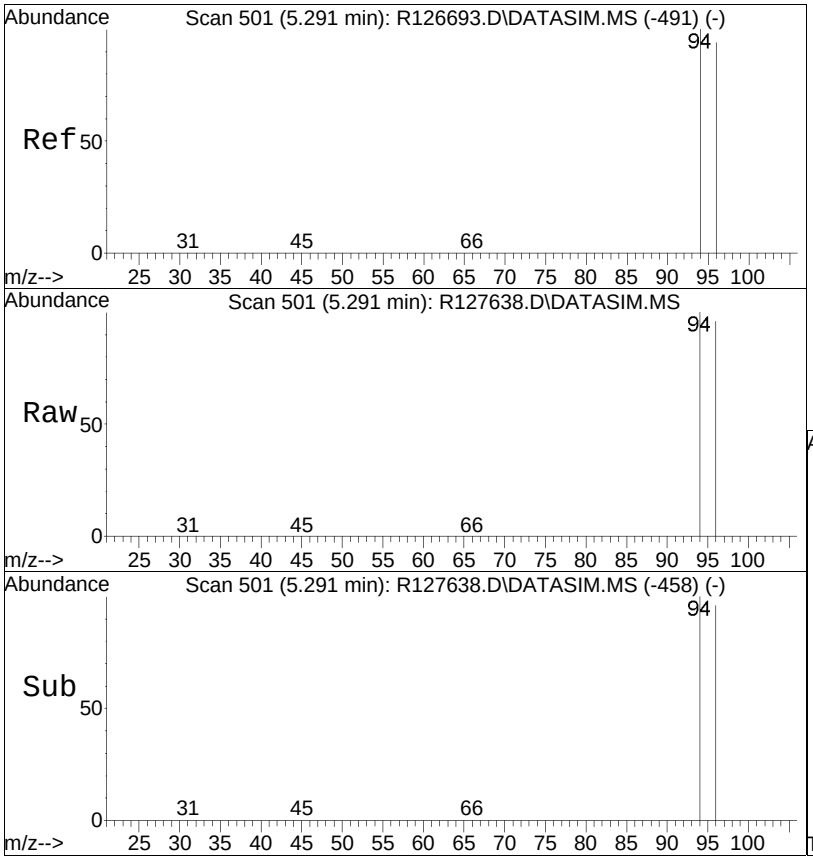


#7
1,3-butadiene
Concen: 4.98 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 54 Resp: 61817

Ion	Ratio	Lower	Upper
54	100		
39	117.6	92.4	138.6

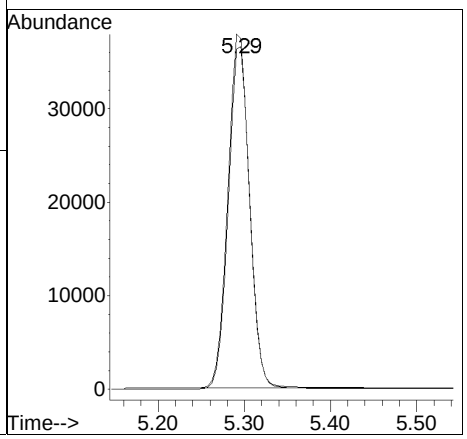


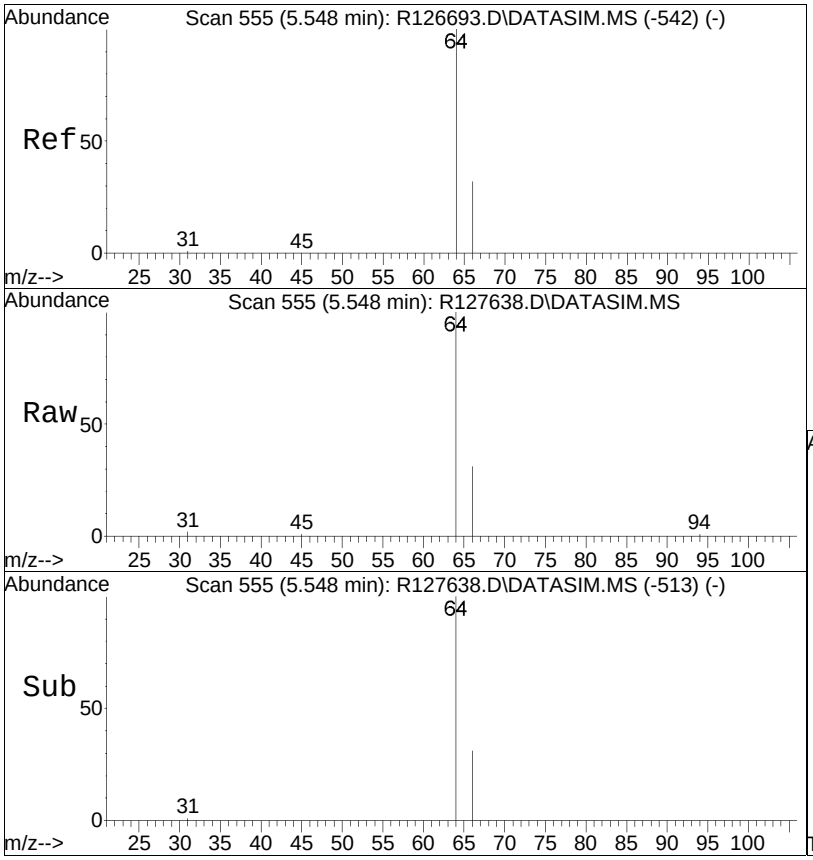


#8
bromomethane
Concen: 4.70 ppbV
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 94 Resp: 65497

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.9	115.3

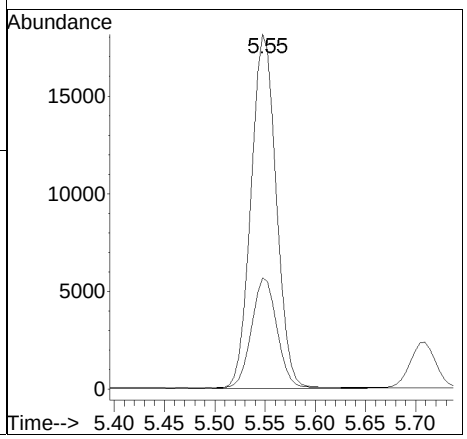


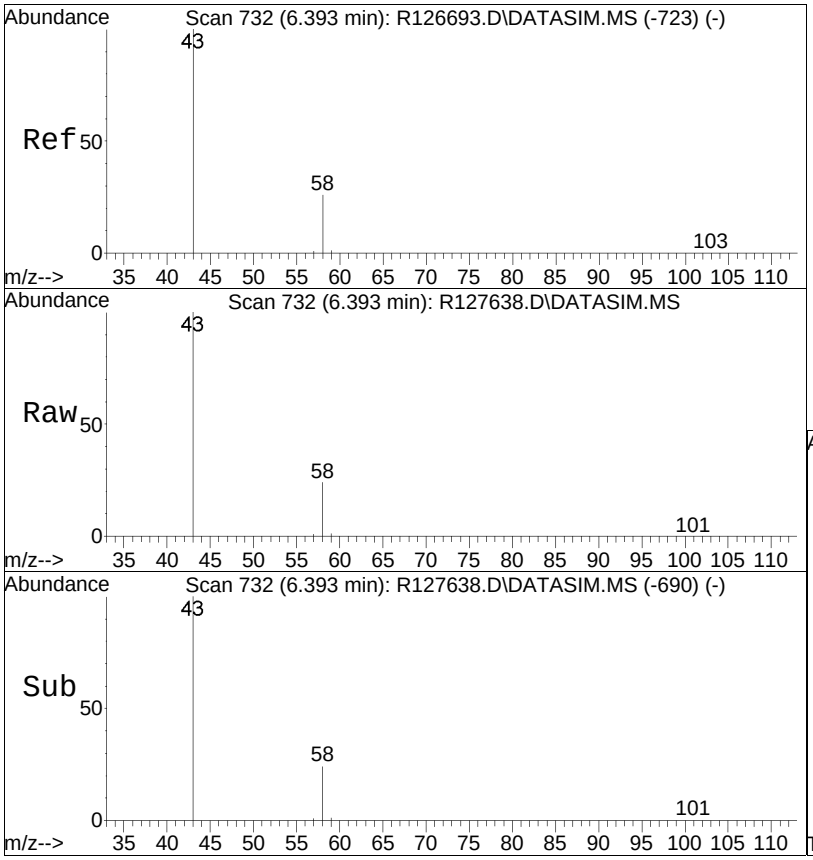


#9
chloroethane
Concen: 4.53 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 64 Resp: 31580

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.5	38.3

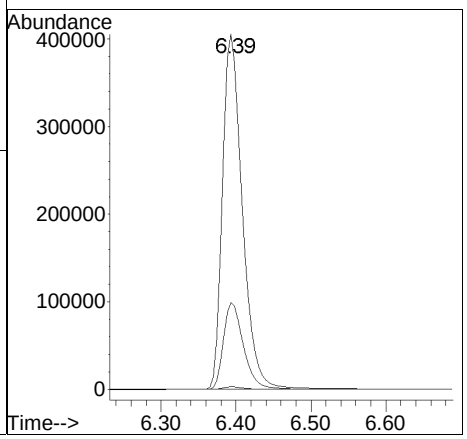


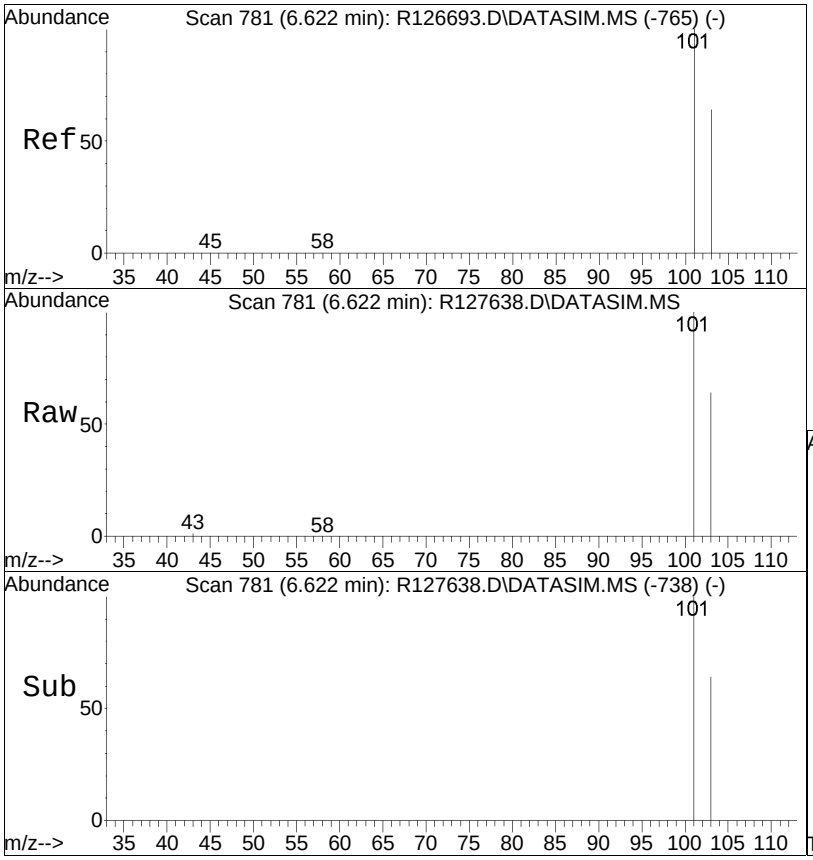


#12
acetone
Concen: 25.70 ppbV
RT: 6.39 min Scan# 732
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 43 Resp: 747424

Ion	Ratio	Lower	Upper
43	100		
58	24.5	20.0	30.0
57	0.7	0.6	1.0

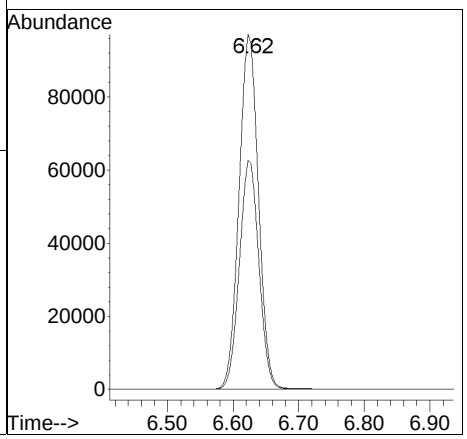


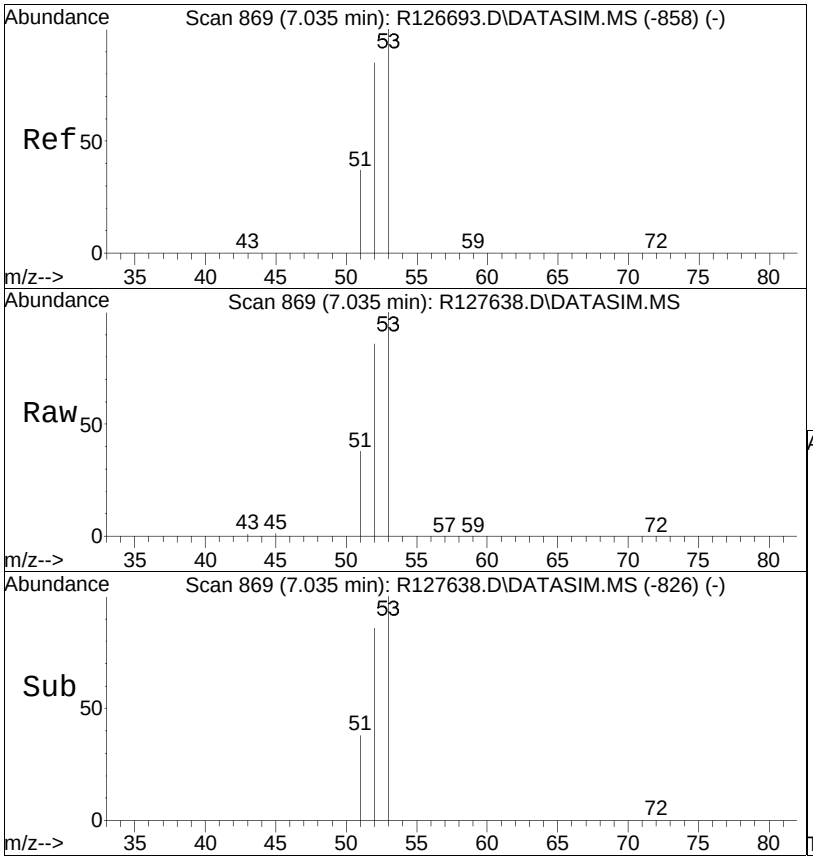


#13
trichlorofluoromethane
Concen: 4.79 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:101 Resp: 200257

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

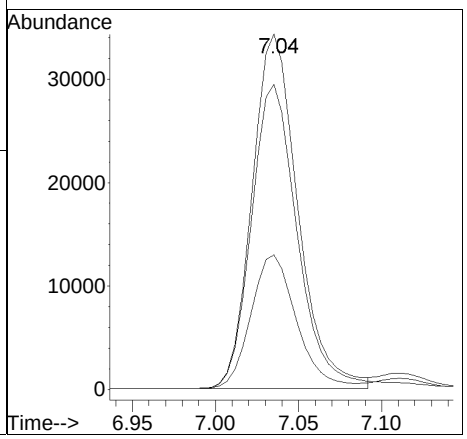


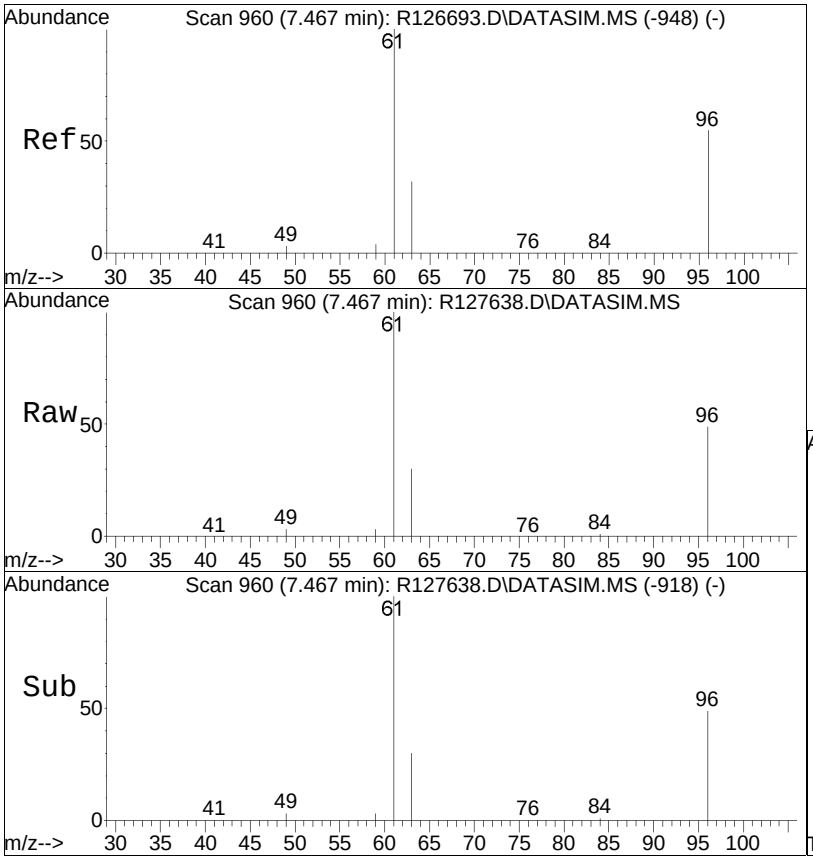


#15
acrylonitrile
Concen: 4.65 ppbV
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 53 Resp: 65832

Ion	Ratio	Lower	Upper
53	100		
52	85.9	68.5	102.7
51	37.9	30.1	45.1

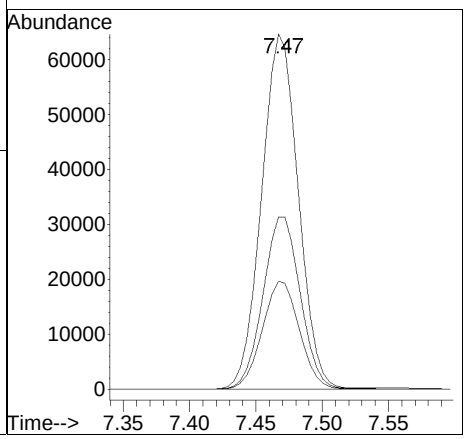


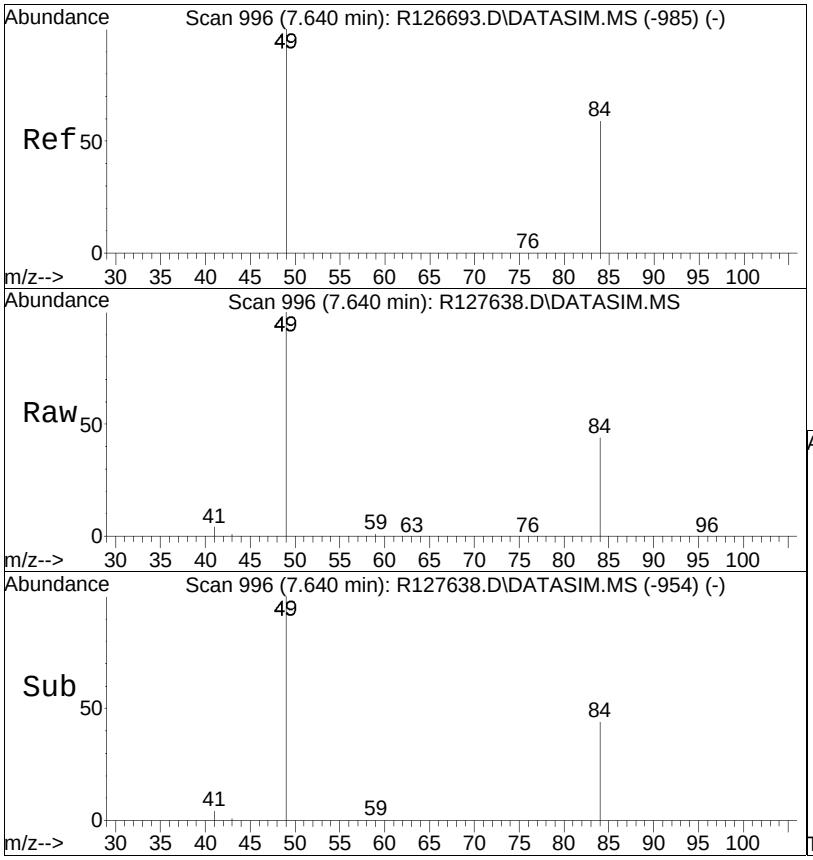


#16
1,1-dichloroethene
Concen: 4.77 ppbV
RT: 7.47 min Scan# 960
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 61 Resp: 124442

Ion	Ratio	Lower	Upper
61	100		
96	48.6	39.4	59.2
63	30.4	24.4	36.6

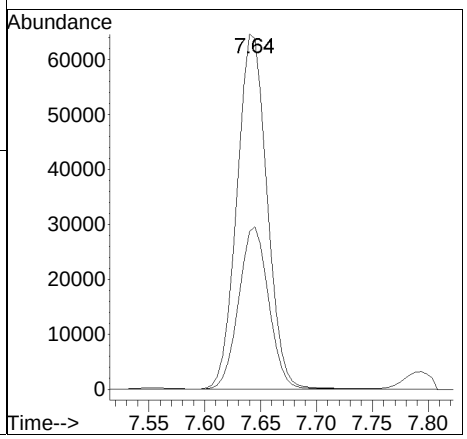


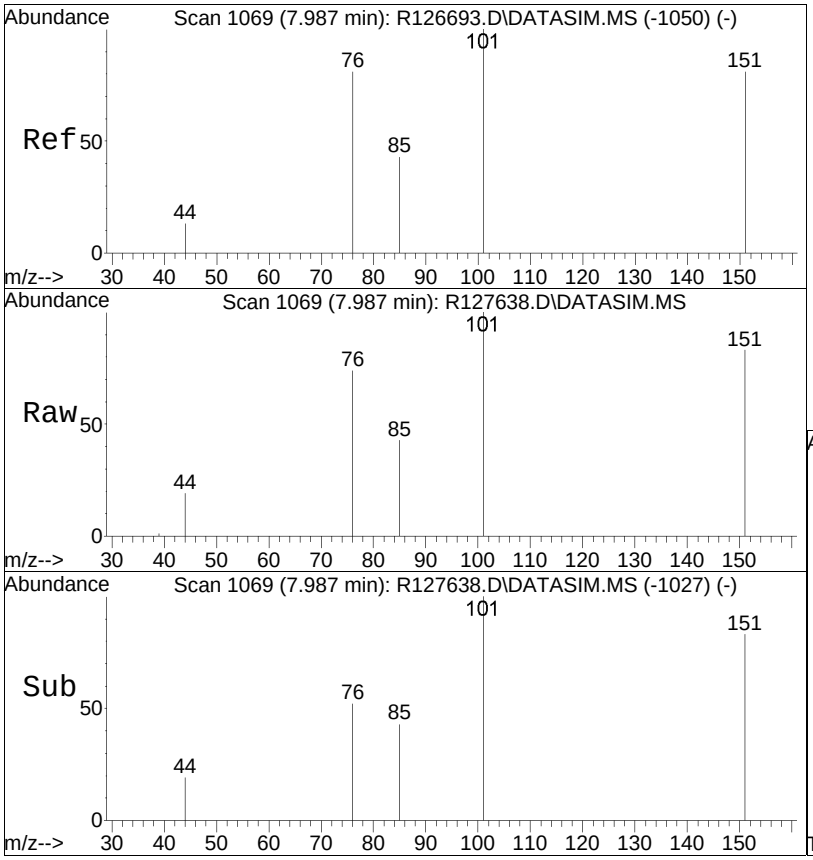


#17
methylene chloride
Concen: 4.98 ppbV
RT: 7.64 min Scan# 996
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 49 Resp: 121168

Ion	Ratio	Lower	Upper
49	100		
84	44.4	37.2	55.8

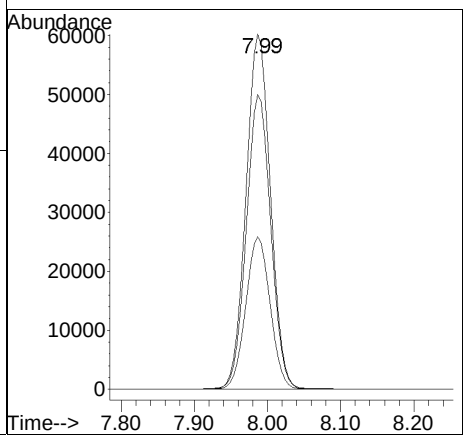


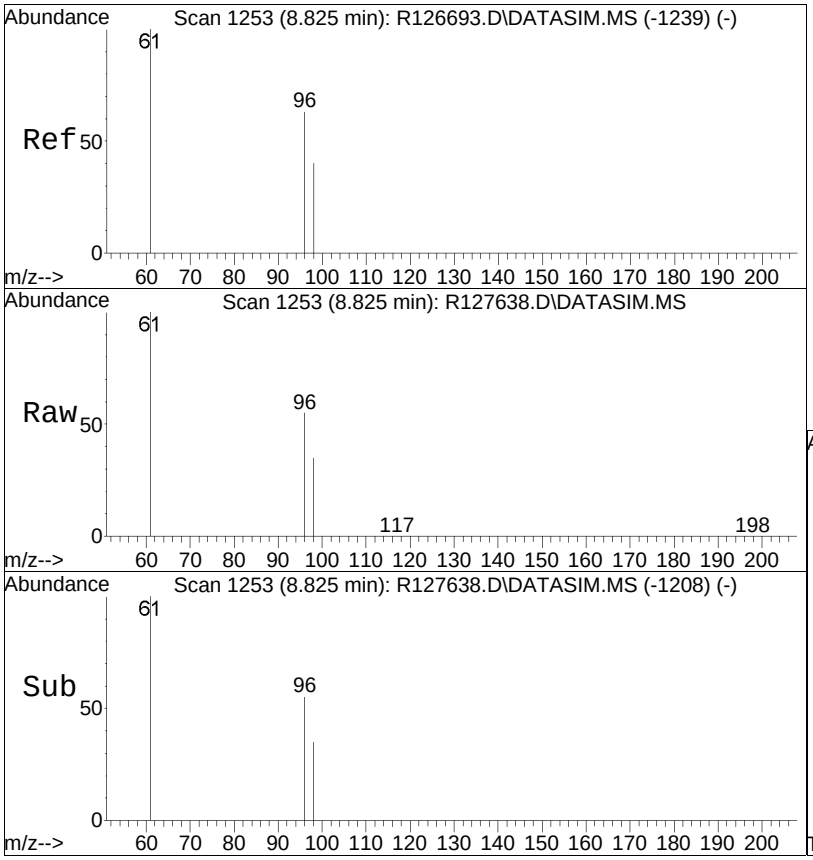


#20
Freon 113
Concen: 4.82 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:101 Resp: 139755

Ion	Ratio	Lower	Upper
101	100		
85	43.0	34.2	51.2
151	83.0	67.8	101.8

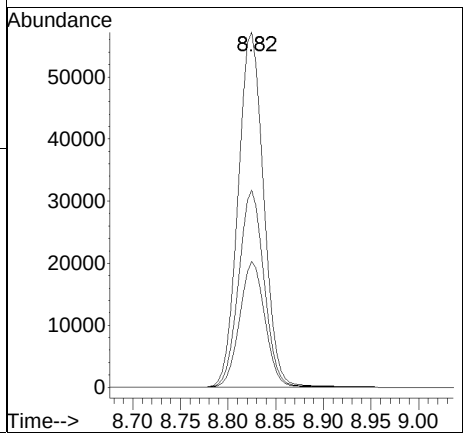


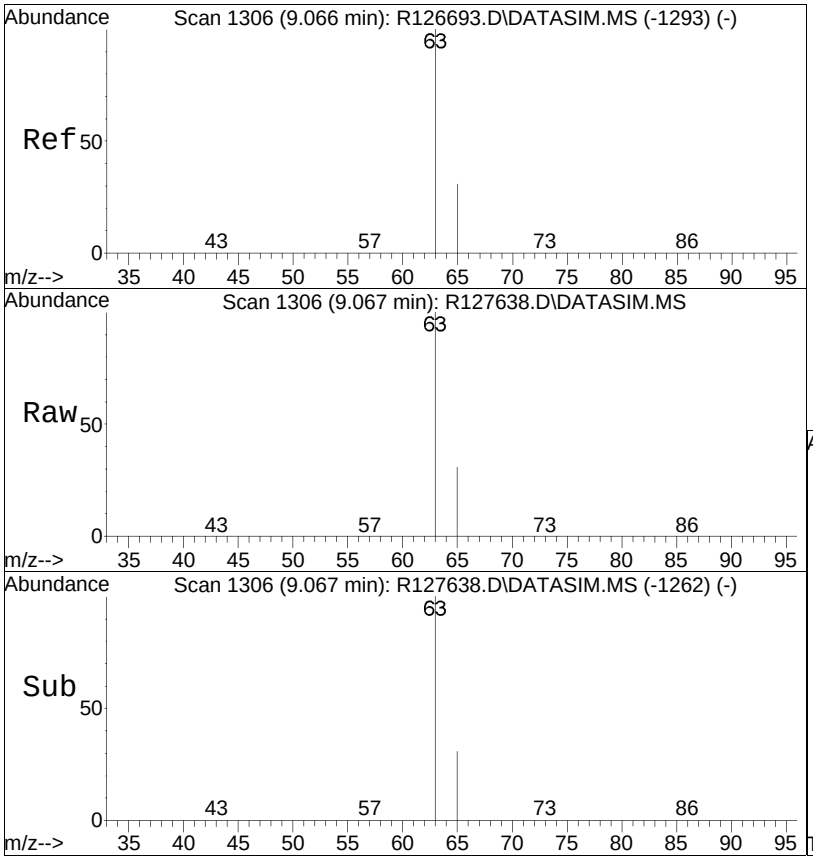


#22
trans-1,2-dichloroethene
Concen: 4.25 ppbV m
RT: 8.82 min Scan# 1253
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 61 Resp: 106818

Ion	Ratio	Lower	Upper
61	100		
96	55.5	44.6	67.0
98	35.5	28.6	42.8

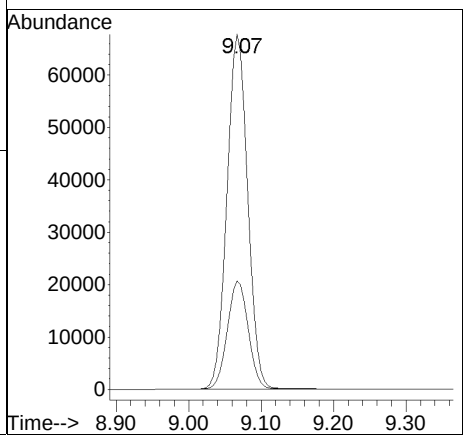


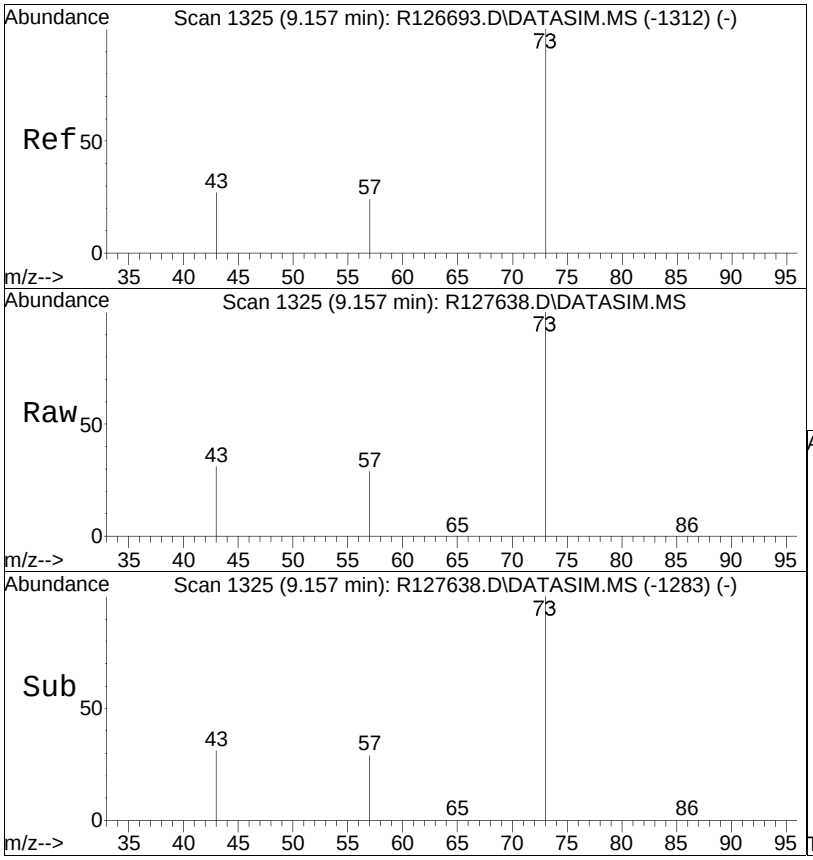


#23
1,1-dichloroethane
Concen: 4.61 ppbV
RT: 9.07 min Scan# 1306
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 63 Resp: 134230

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.4

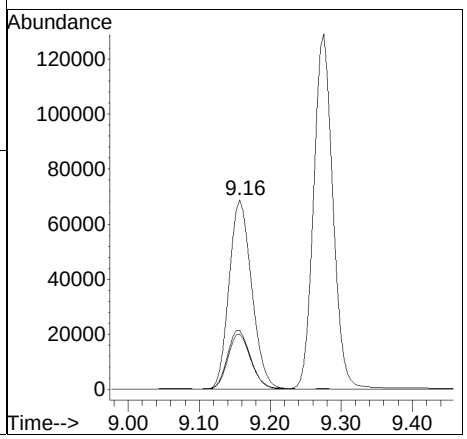


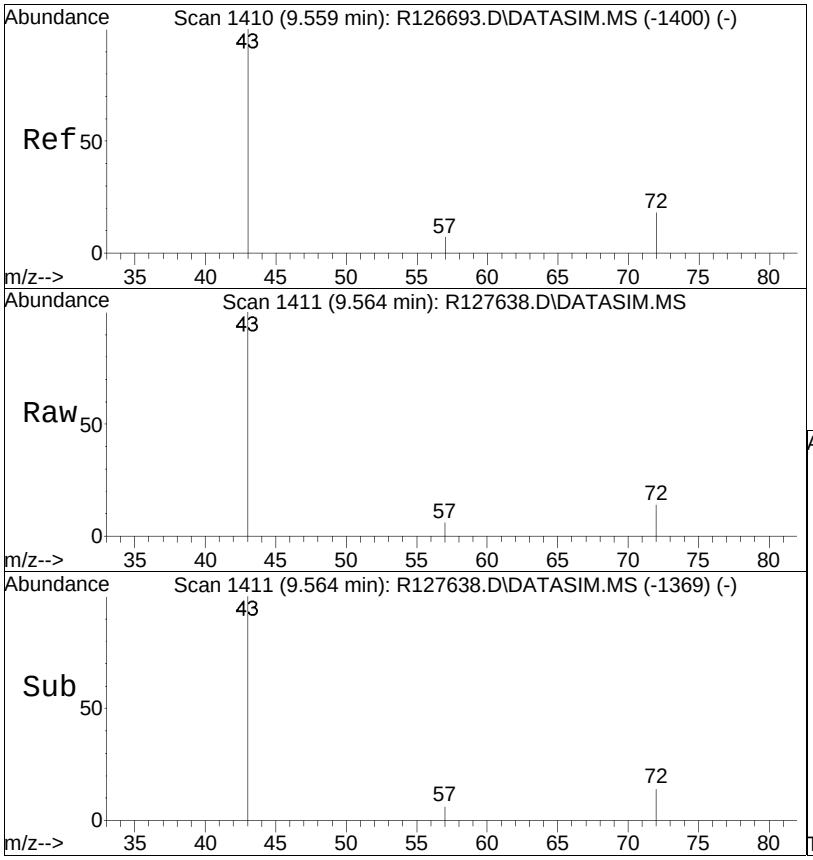


#24
MTBE
Concen: 4.33 ppbV
RT: 9.16 min Scan# 1325
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 73 Resp: 152962

Ion	Ratio	Lower	Upper
73	100		
57	29.3	23.3	34.9
43	31.2	25.1	37.7

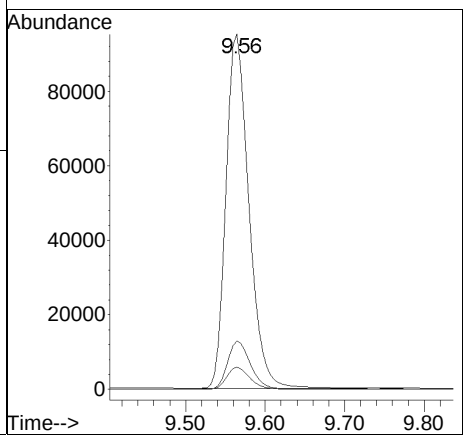


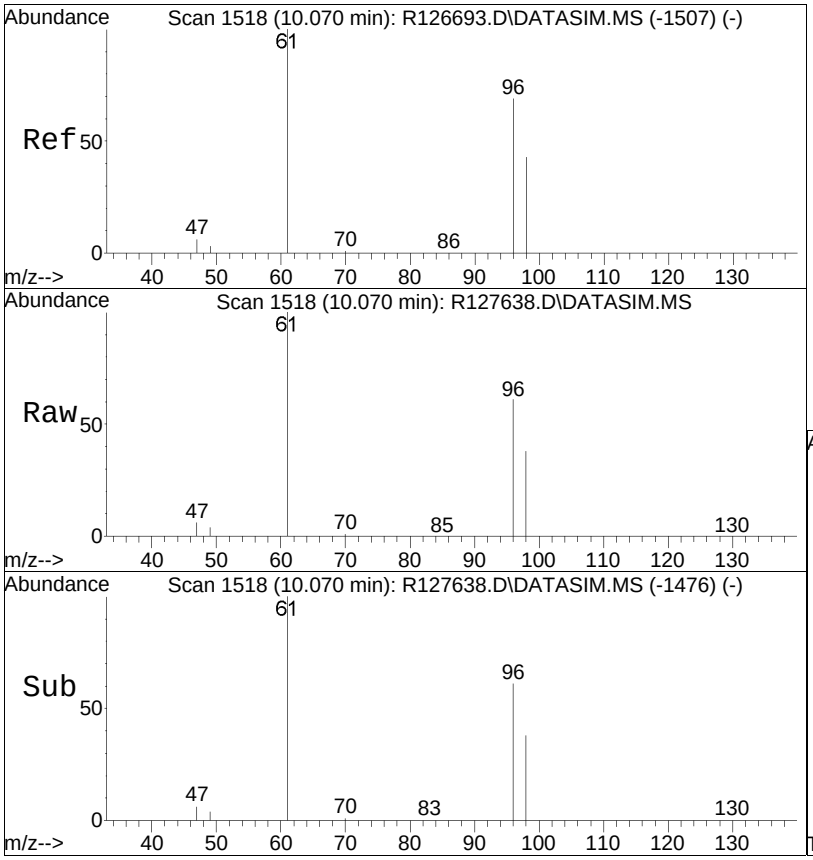


#26
2-butanone
Concen: 4.17 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 43 Resp: 190314

Ion	Ratio	Lower	Upper
43	100		
72	13.6	12.0	18.0
57	6.3	5.2	7.8

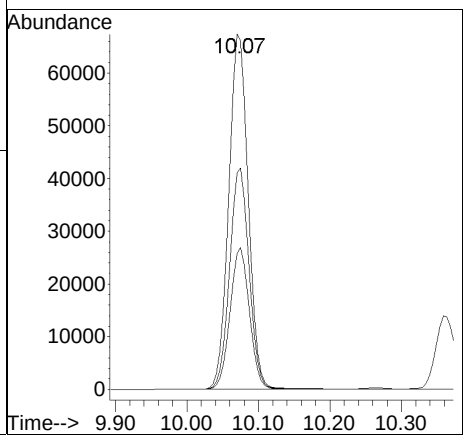


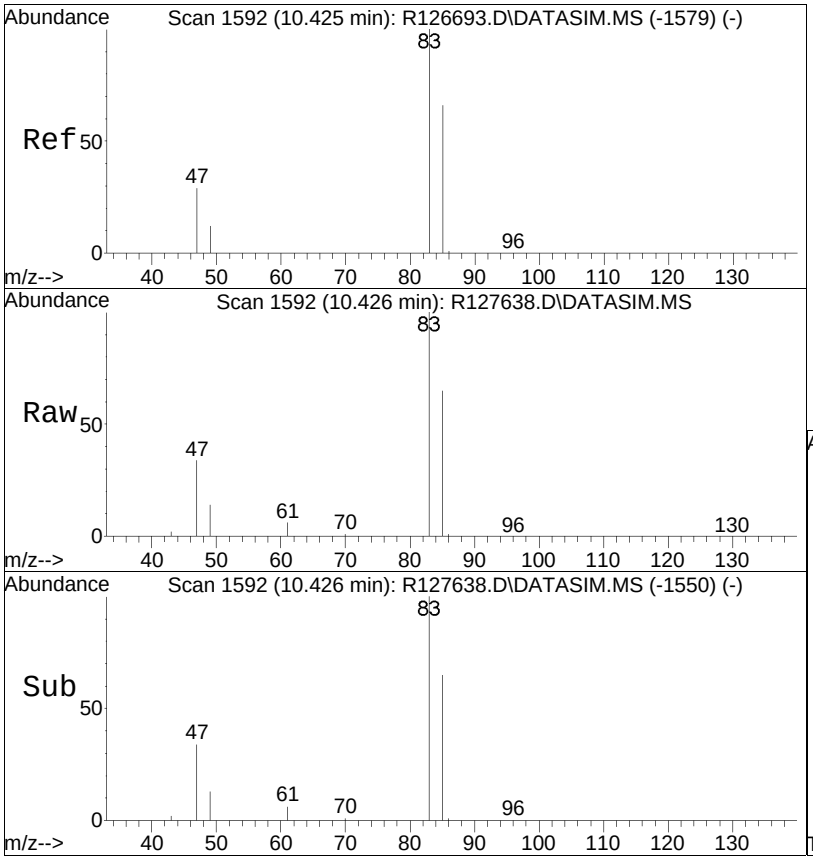


#27
cis-1,2-dichloroethene
Concen: 5.12 ppbV
RT: 10.07 min Scan# 1518
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 61 Resp: 127508

Ion	Ratio	Lower	Upper
61	100		
96	60.8	49.8	74.6
98	38.2	31.3	46.9

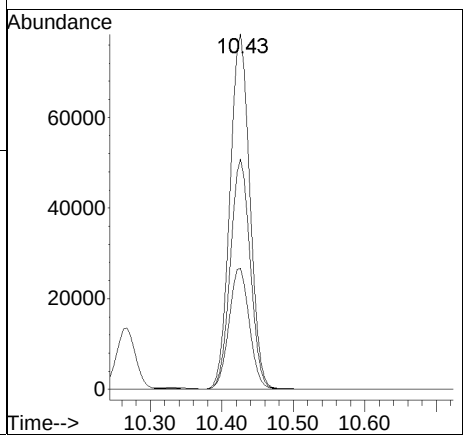


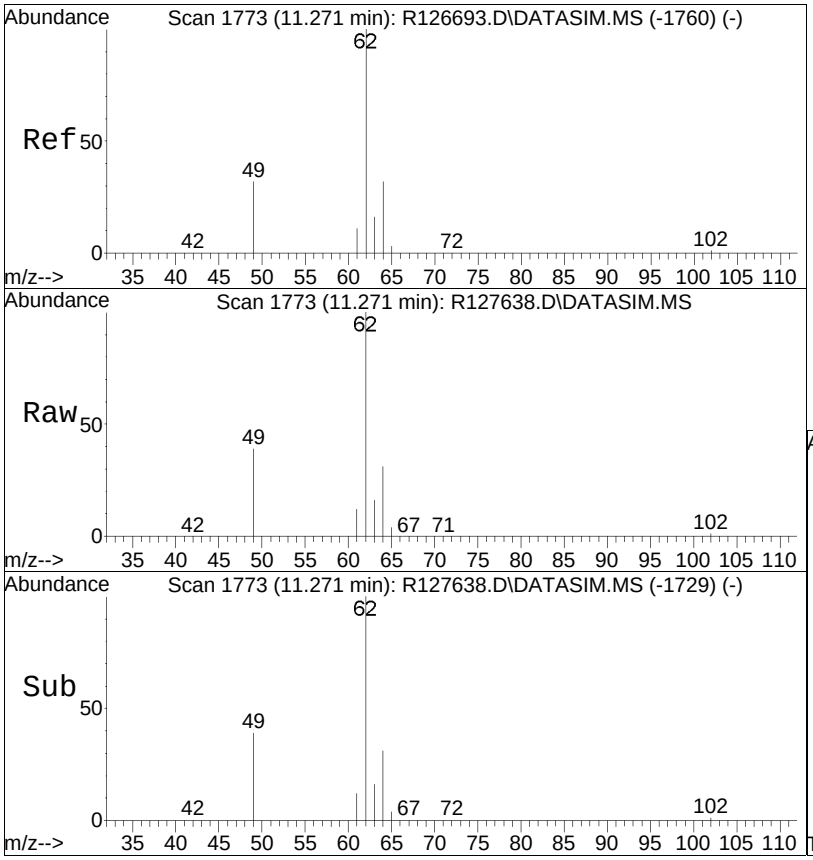


#29
chloroform
Concen: 4.83 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 83 Resp: 151692

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2
47	34.1	26.4	39.6

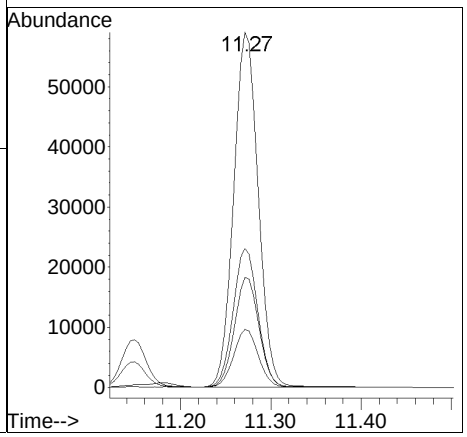


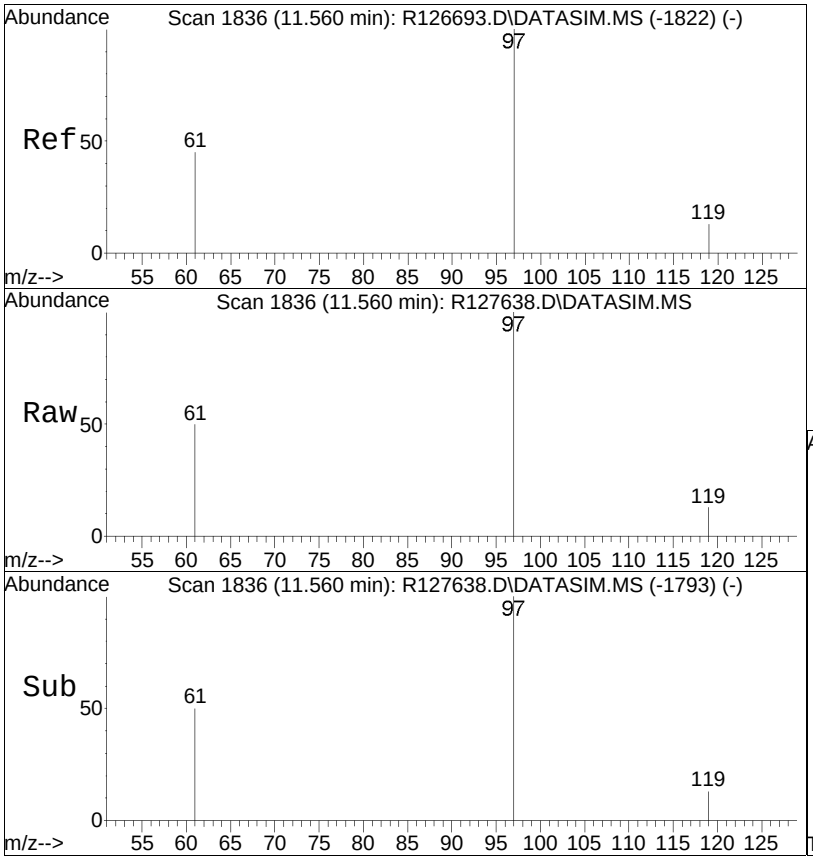


#31
1,2-dichloroethane
Concen: 4.70 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 62 Resp: 111581

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.0	37.6
49	39.1	31.2	46.8
63	16.3	13.3	19.9

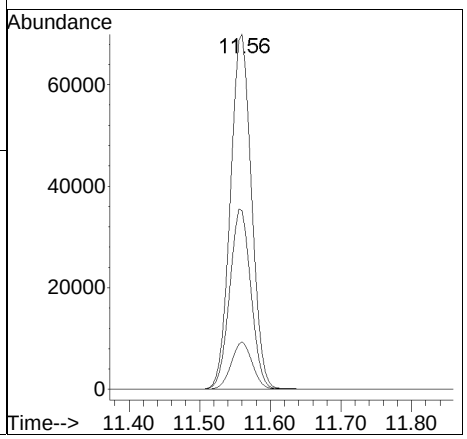


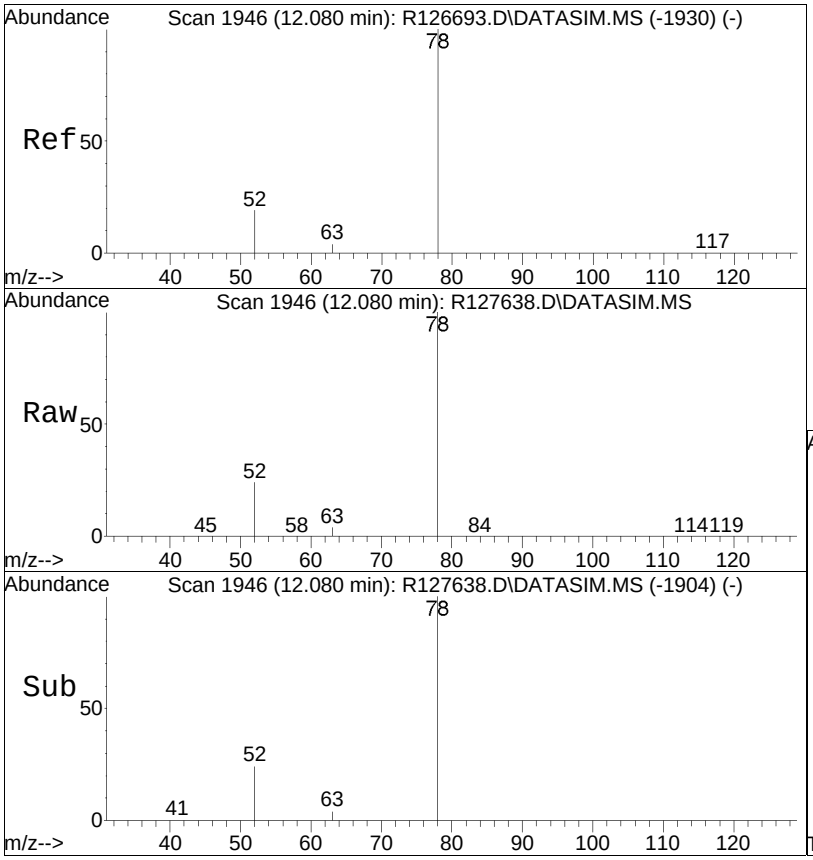


#35
1,1,1-trichloroethane
Concen: 4.95 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 97 Resp: 145059

Ion	Ratio	Lower	Upper
97	100		
61	50.3	38.6	58.0
119	13.4	11.0	16.6

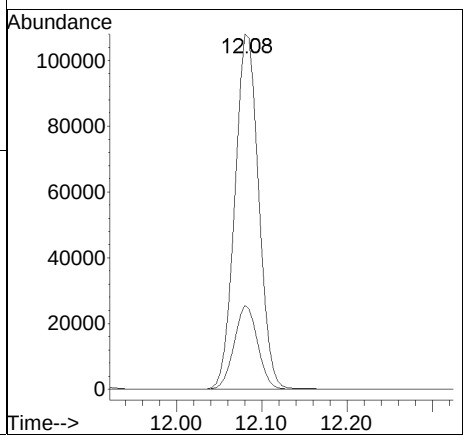


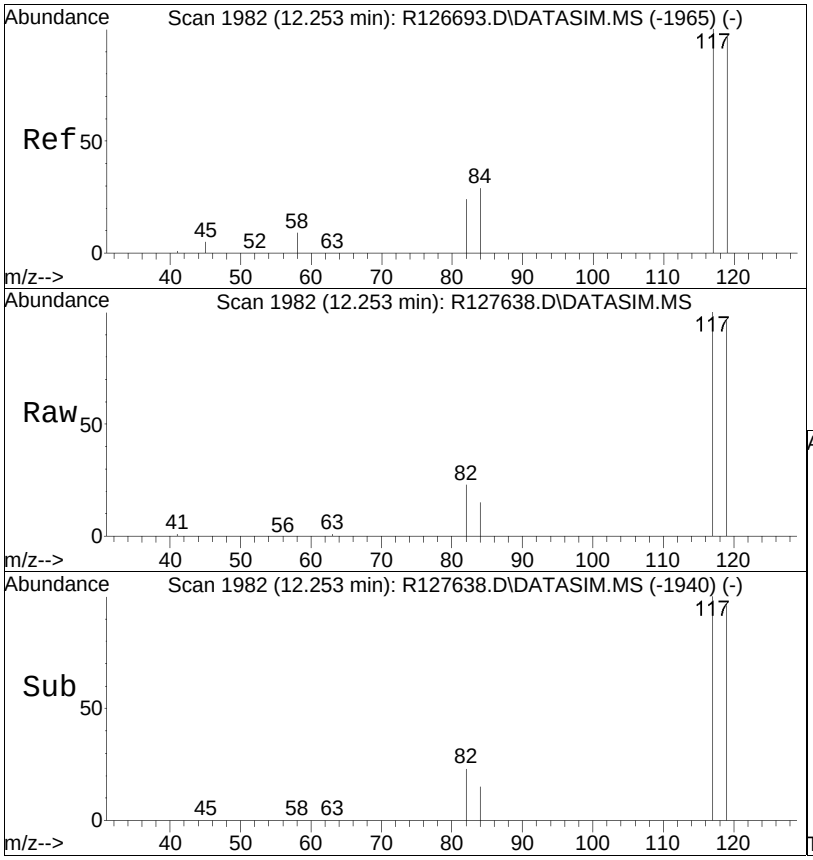


#36
benzene
Concen: 4.84 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 78 Resp: 209120

Ion	Ratio	Lower	Upper
78	100		
52	23.7	18.5	27.7

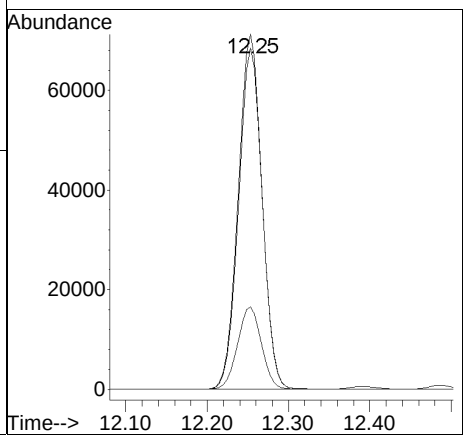


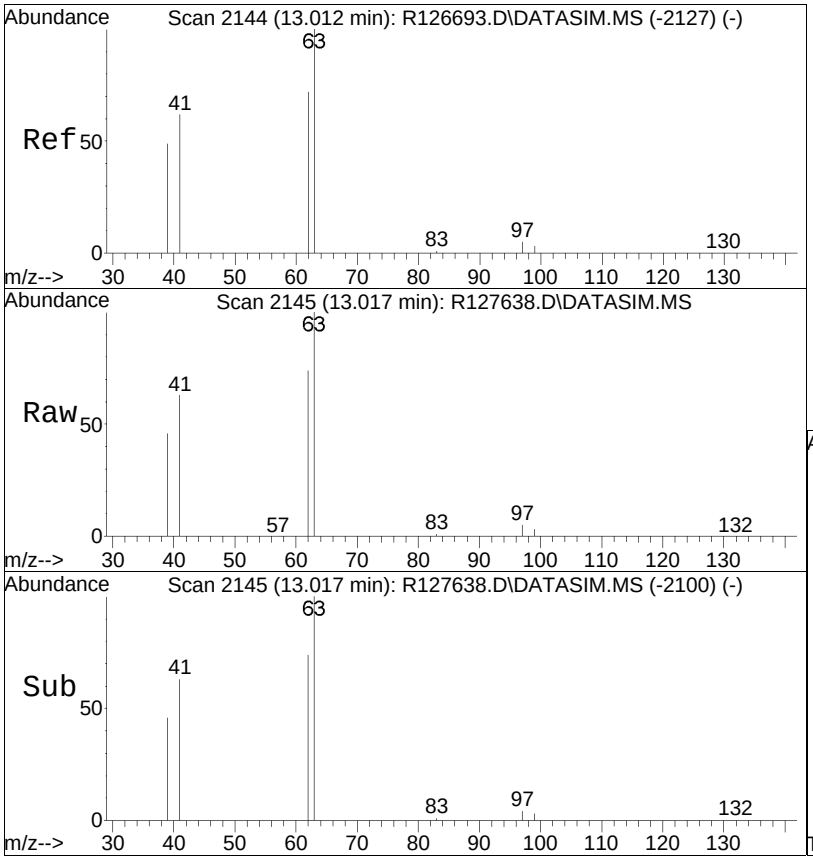


#37
carbon tetrachloride
Concen: 4.49 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:117 Resp: 144367

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.4	116.0
82	23.2	18.2	27.2

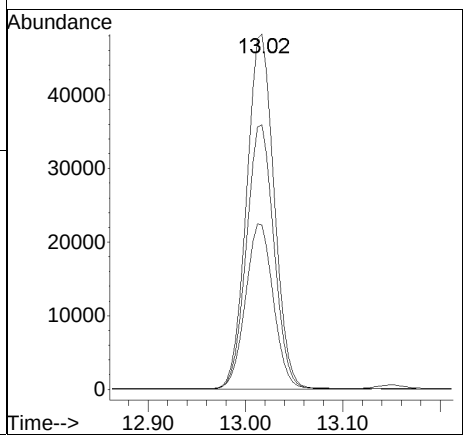


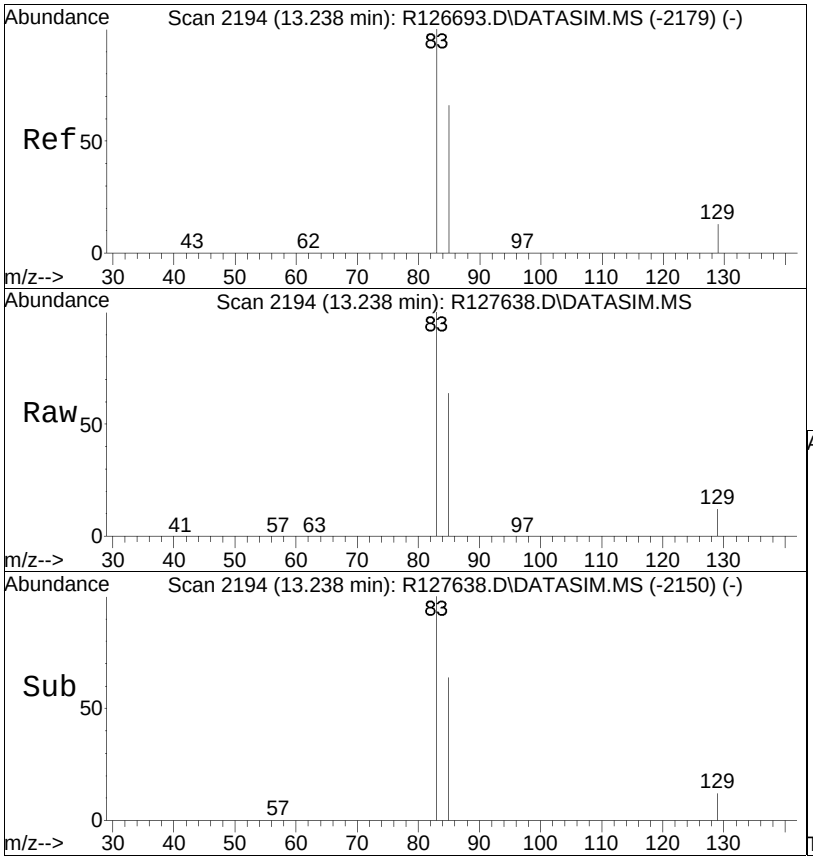


#39
1,2-dichloropropane
Concen: 4.98 ppbV
RT: 13.02 min Scan# 2145
Delta R.T. 0.005 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 63 Resp: 94751

Ion	Ratio	Lower	Upper
63	100		
62	74.5	59.4	89.2
39	46.3	35.9	53.9

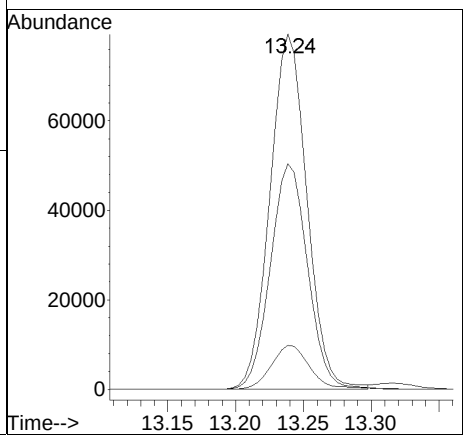


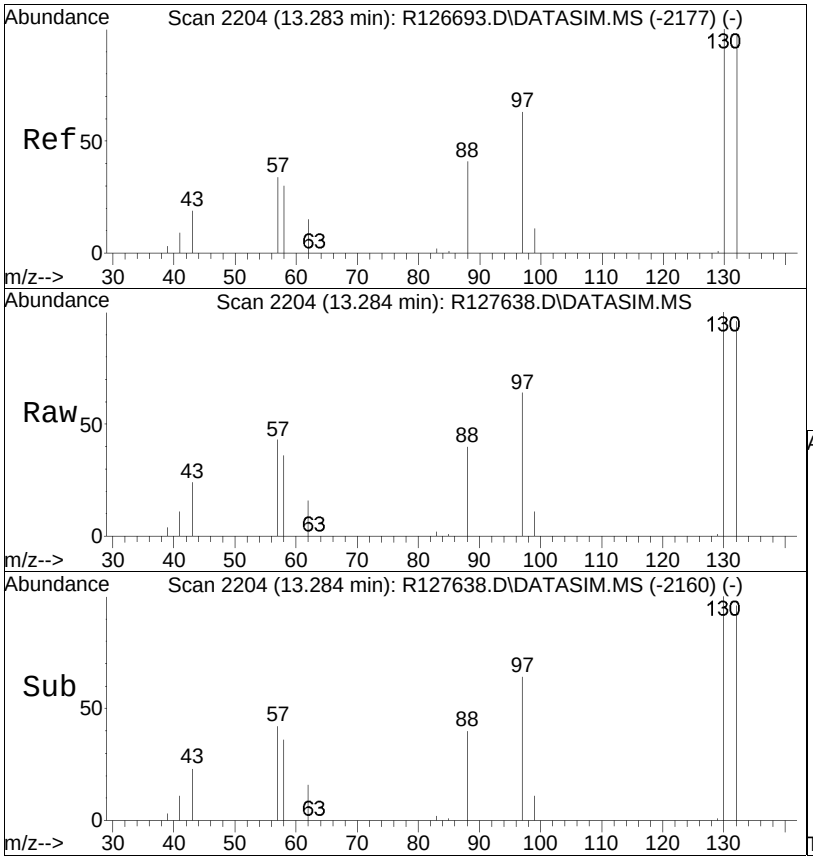


#40
bromodichloromethane
Concen: 4.58 ppbV
RT: 13.24 min Scan# 2194
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 83 Resp: 150446

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6
129	12.4	10.2	15.2

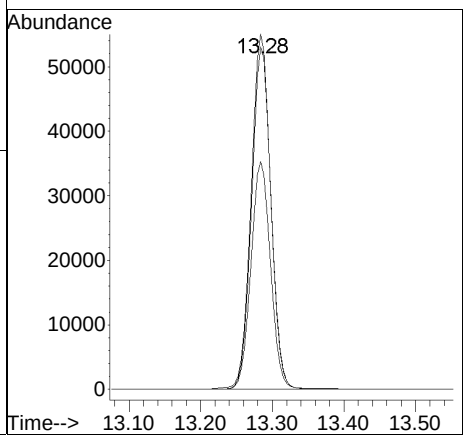


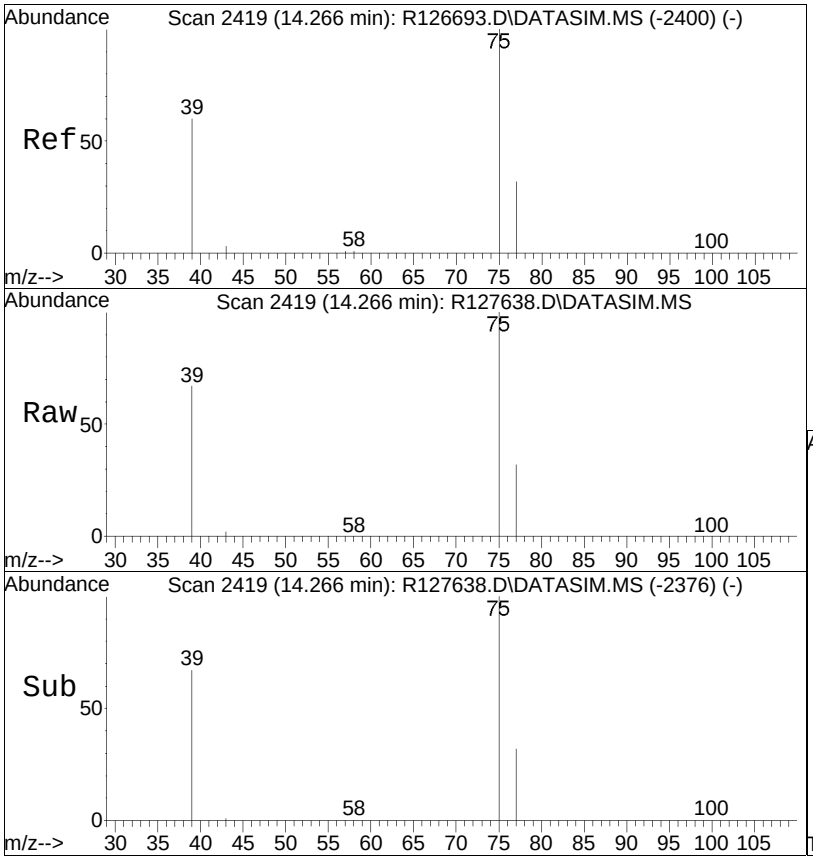


#42
trichloroethene
Concen: 4.93 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:130 Resp: 104204

Ion	Ratio	Lower	Upper
130	100		
132	96.4	77.3	115.9
97	64.1	50.6	75.8

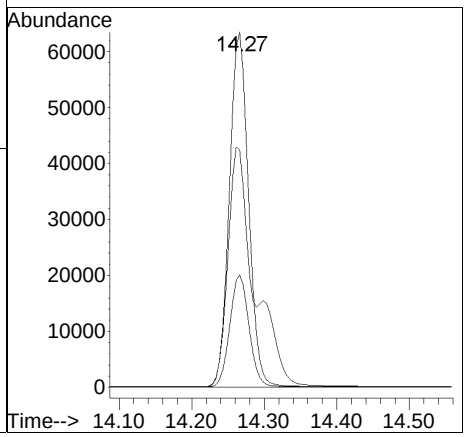


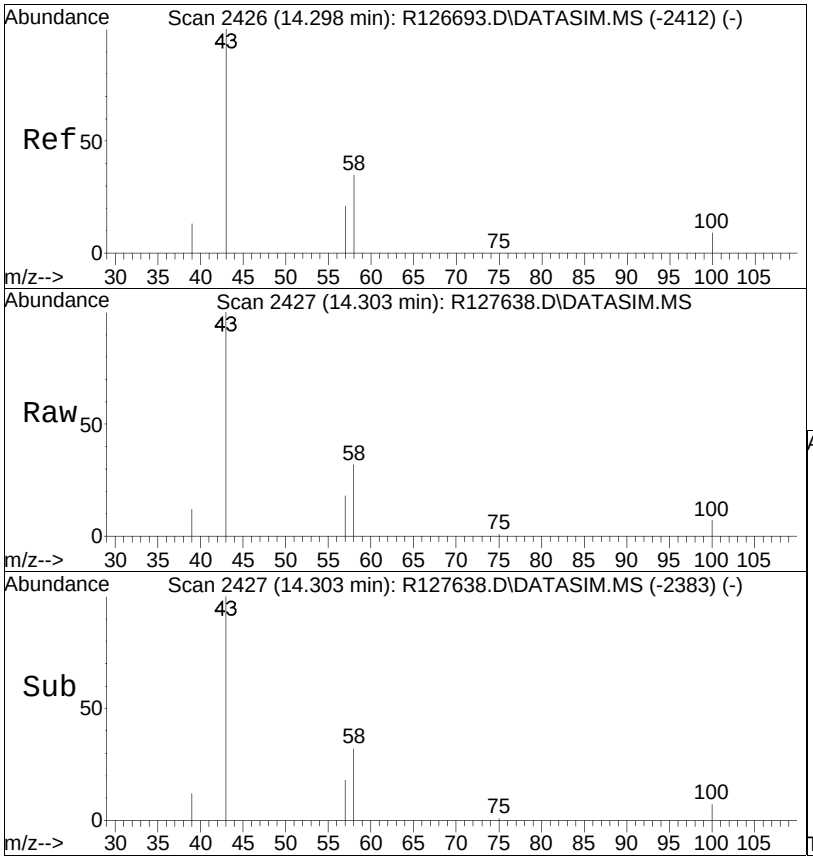


#45
cis-1,3-dichloropropene
Concen: 4.93 ppbV
RT: 14.27 min Scan# 2419
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 75 Resp: 117075

Ion	Ratio	Lower	Upper
75	100		
39	66.9	52.2	78.4
77	31.7	25.5	38.3

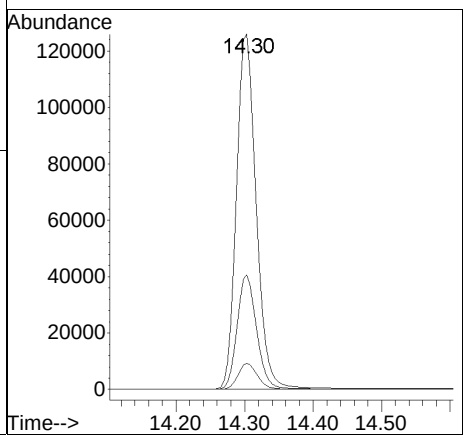


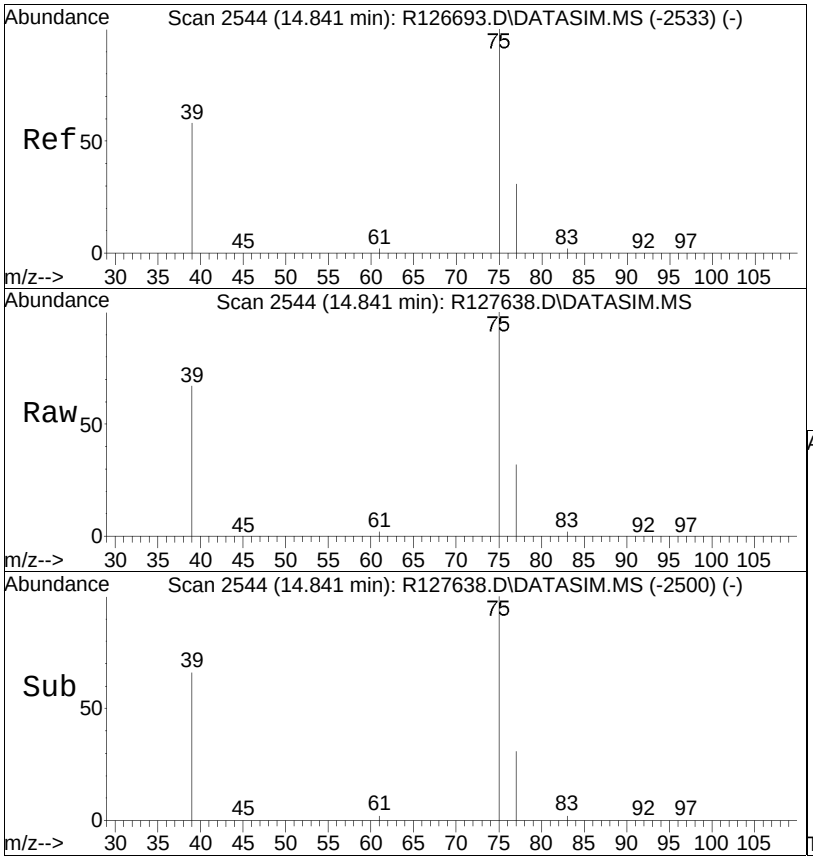


#46
4-methyl-2-pentanone
Concen: 5.14 ppbV
RT: 14.30 min Scan# 2427
Delta R.T. 0.005 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 43 Resp: 252502

Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.0	39.0
100	7.3	5.8	8.6

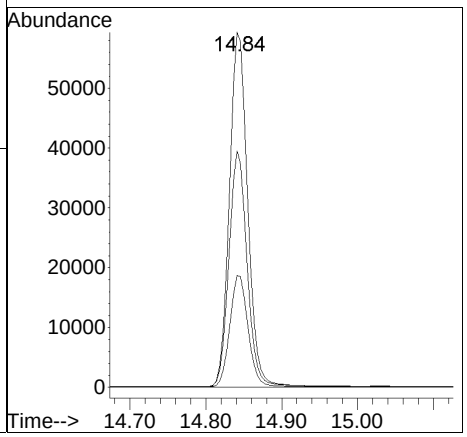


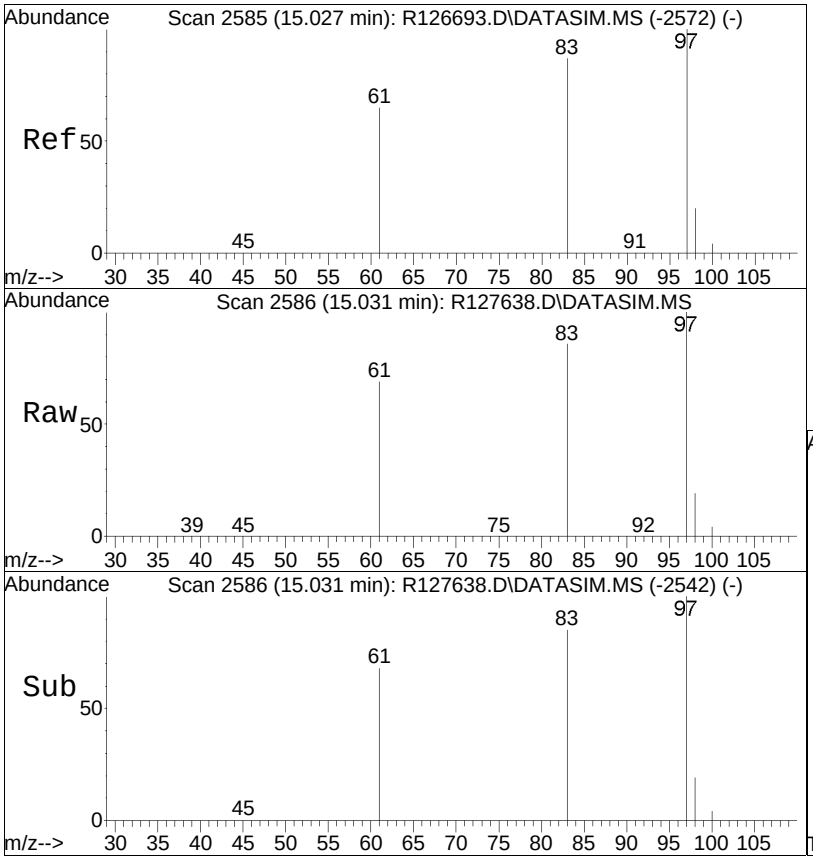


#47
trans-1,3-dichloropropene
Concen: 4.20 ppbV
RT: 14.84 min Scan# 2544
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 75 Resp: 99850

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	66.6	51.4	77.2

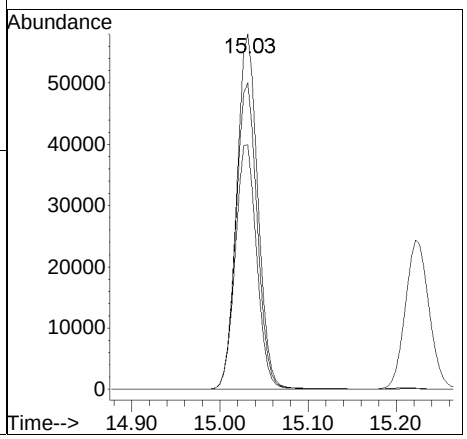


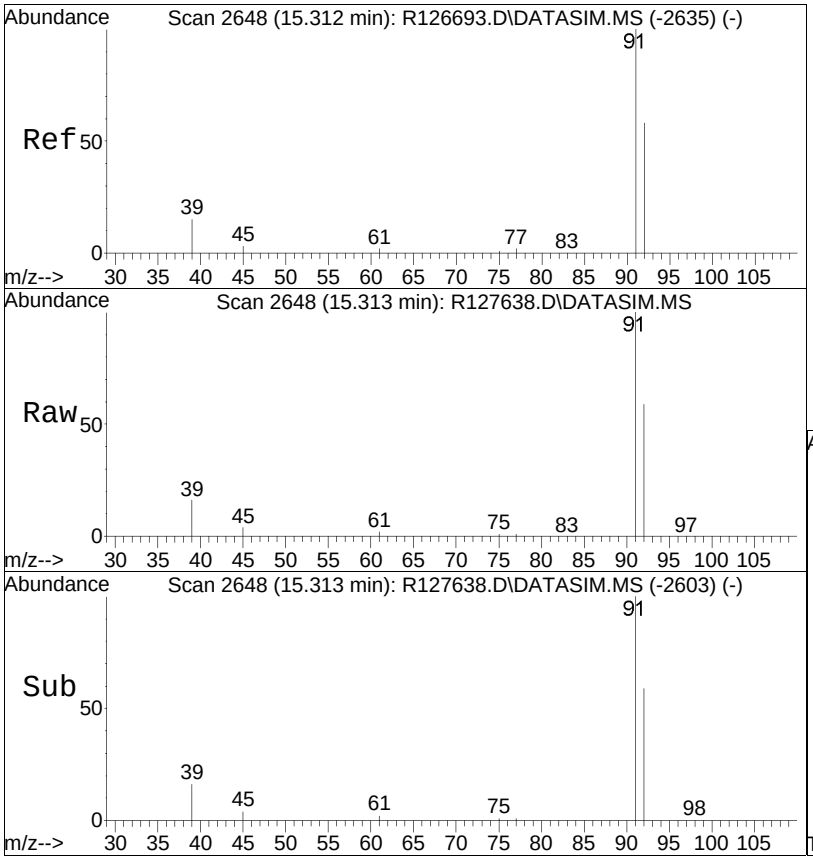


#48
1,1,2-trichloroethane
Concen: 5.24 ppbV
RT: 15.03 min Scan# 2586
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 97 Resp: 96899

Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.3	102.5
61	68.9	52.6	79.0

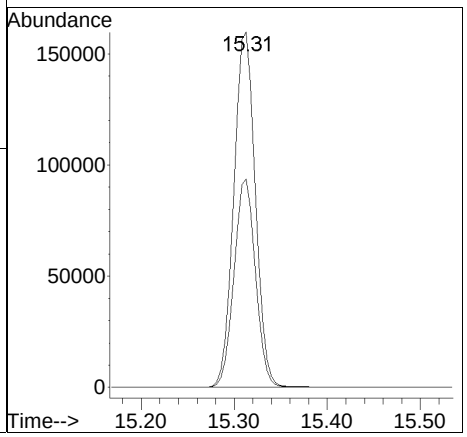


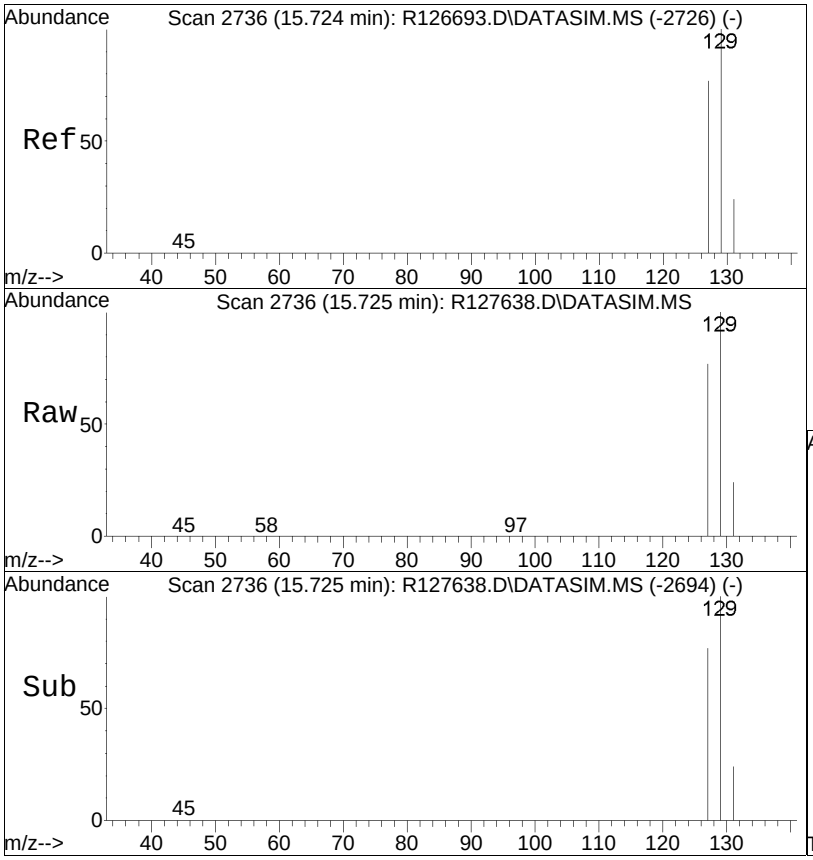


#50
toluene
Concen: 4.79 ppbV m
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 91 Resp: 257518

Ion	Ratio	Lower	Upper
91	100		
92	58.6	46.4	69.6

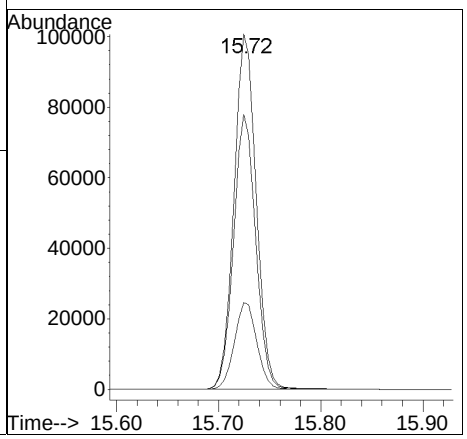


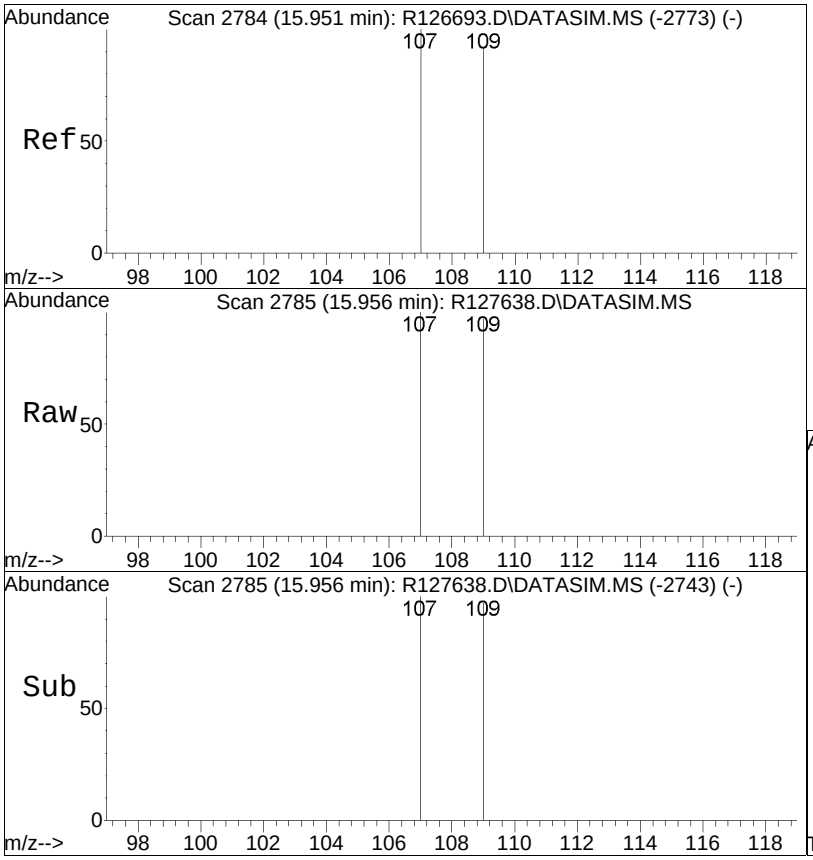


#53
dibromochloromethane
Concen: 3.95 ppbV m
RT: 15.72 min Scan# 2736
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:129 Resp: 152299

Ion	Ratio	Lower	Upper
129	100		
127	77.4	62.4	93.6
131	24.4	19.8	29.8

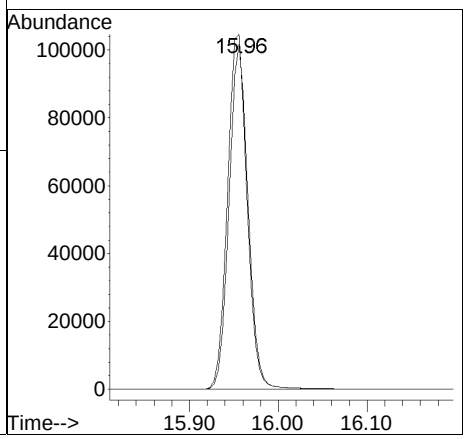


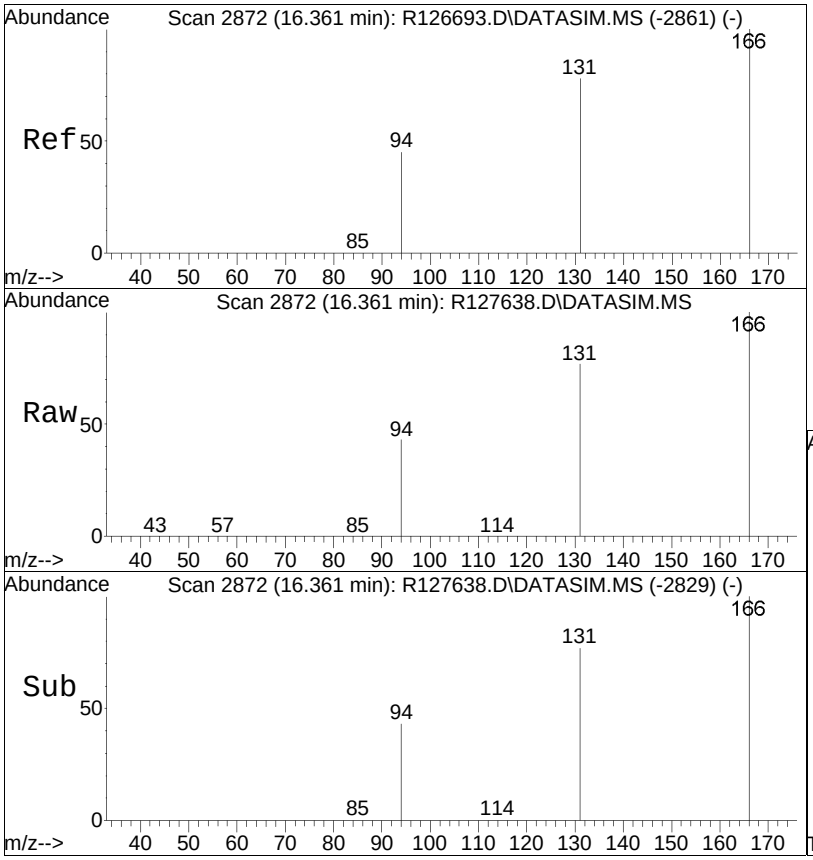


#54
1,2-dibromoethane
Concen: 4.98 ppbV m
RT: 15.96 min Scan# 2785
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:107 Resp: 160589

Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.1	115.7

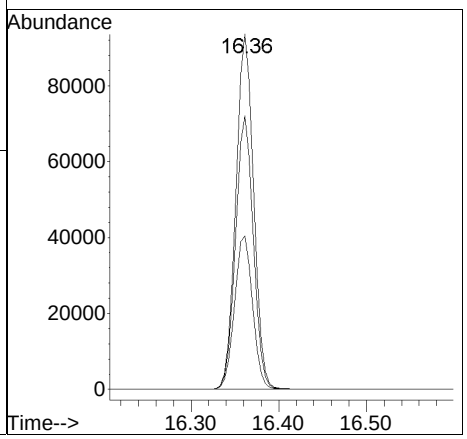


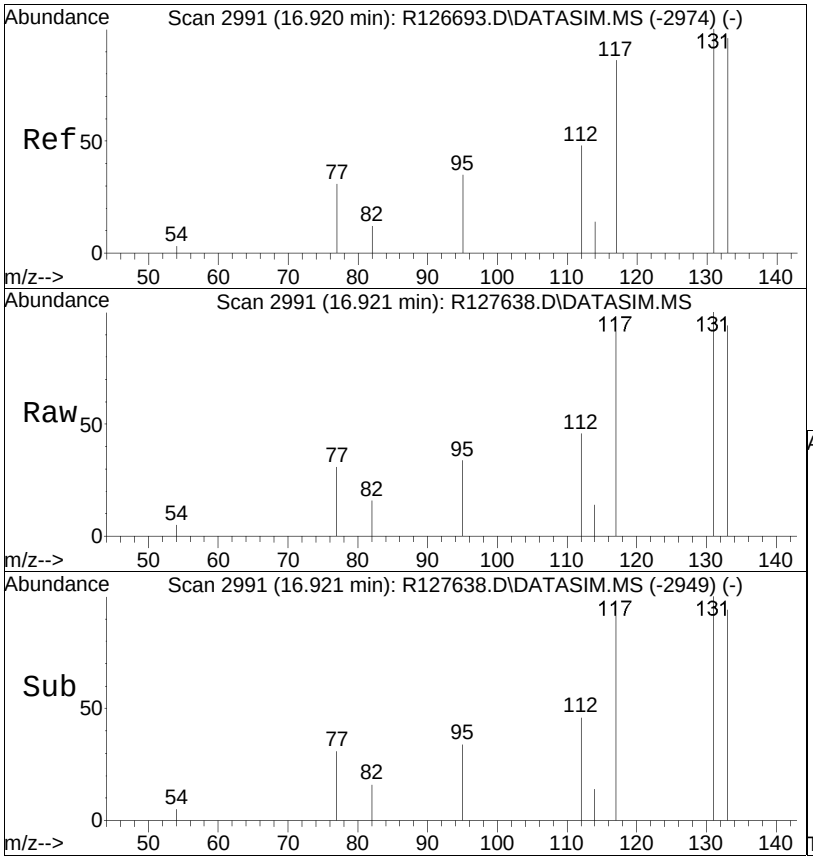


#55
tetrachloroethene
Concen: 4.75 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:166 Resp: 131808

Ion	Ratio	Lower	Upper
166	100		
131	77.0	60.6	90.8
94	43.2	32.2	48.2

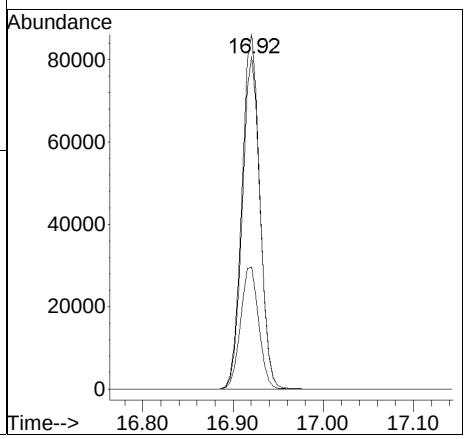


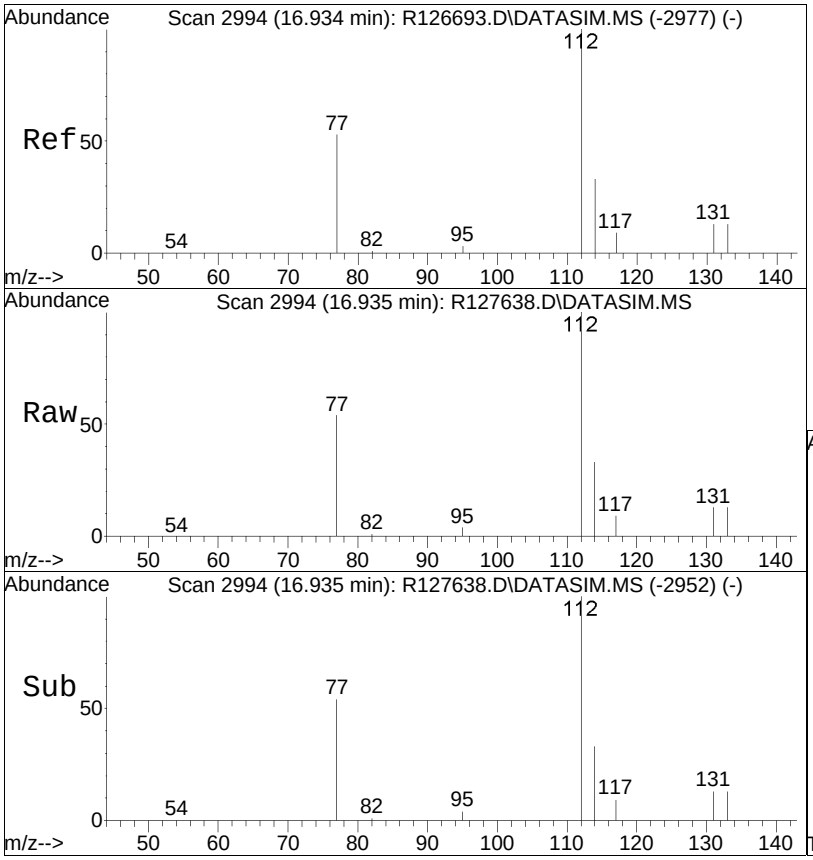


#56
1,1,1,2-tetrachloroethane
Concen: 4.23 ppbV
RT: 16.92 min Scan# 2991
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:131 Resp: 118766

Ion	Ratio	Lower	Upper
131	100		
133	93.6	75.1	112.7
95	34.4	26.4	39.6

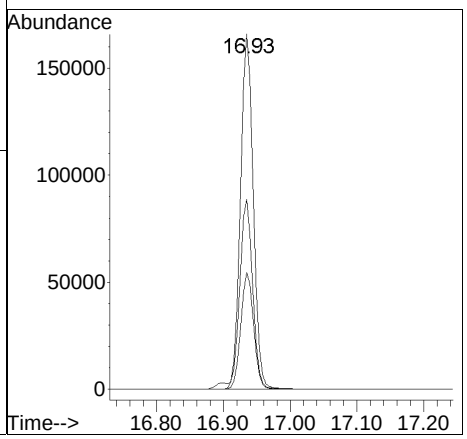


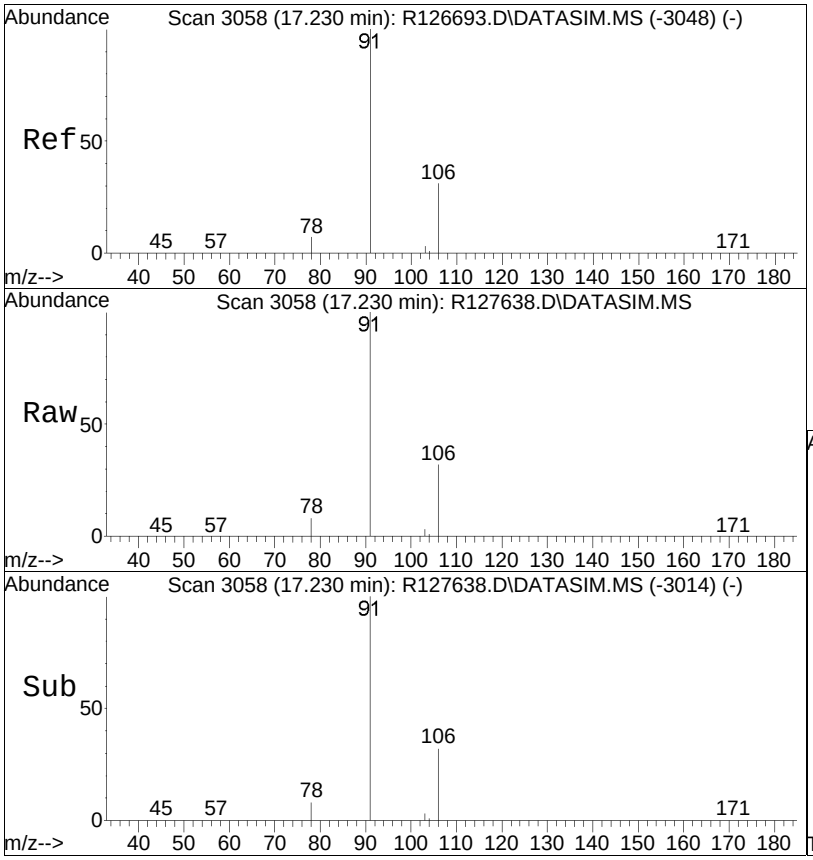


#57
chlorobenzene
Concen: 4.92 ppbV
RT: 16.93 min Scan# 2994
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:112 Resp: 221683

Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.4	39.6
77	53.5	42.4	63.6

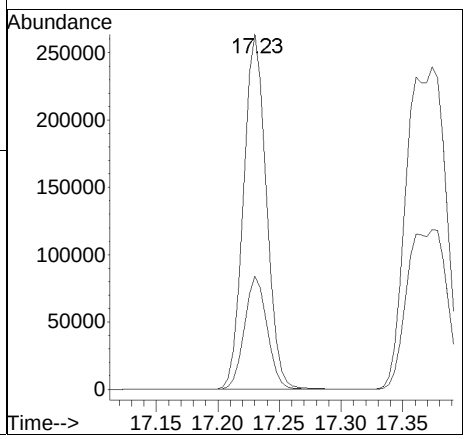


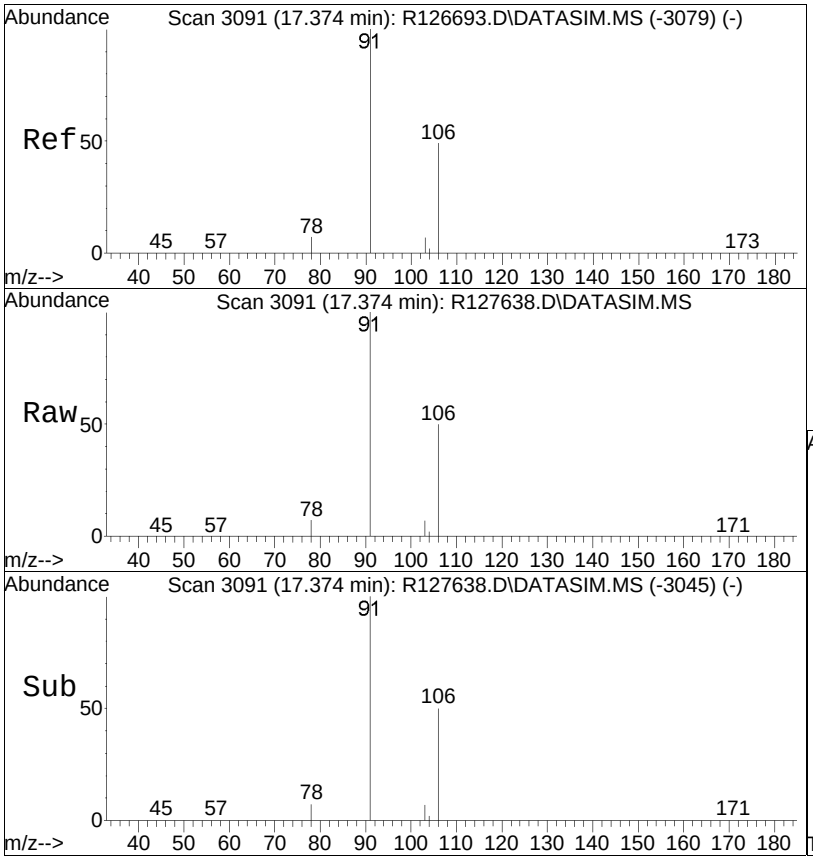


#58
ethylbenzene
Concen: 4.94 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 91 Resp: 340660

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9

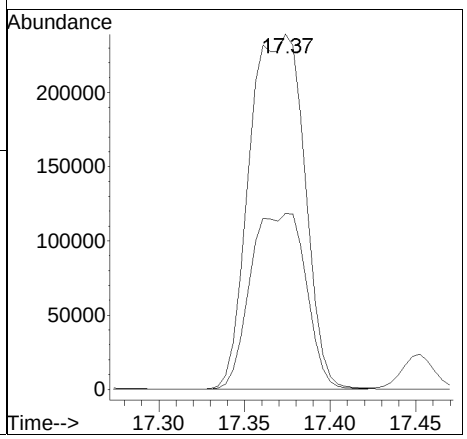


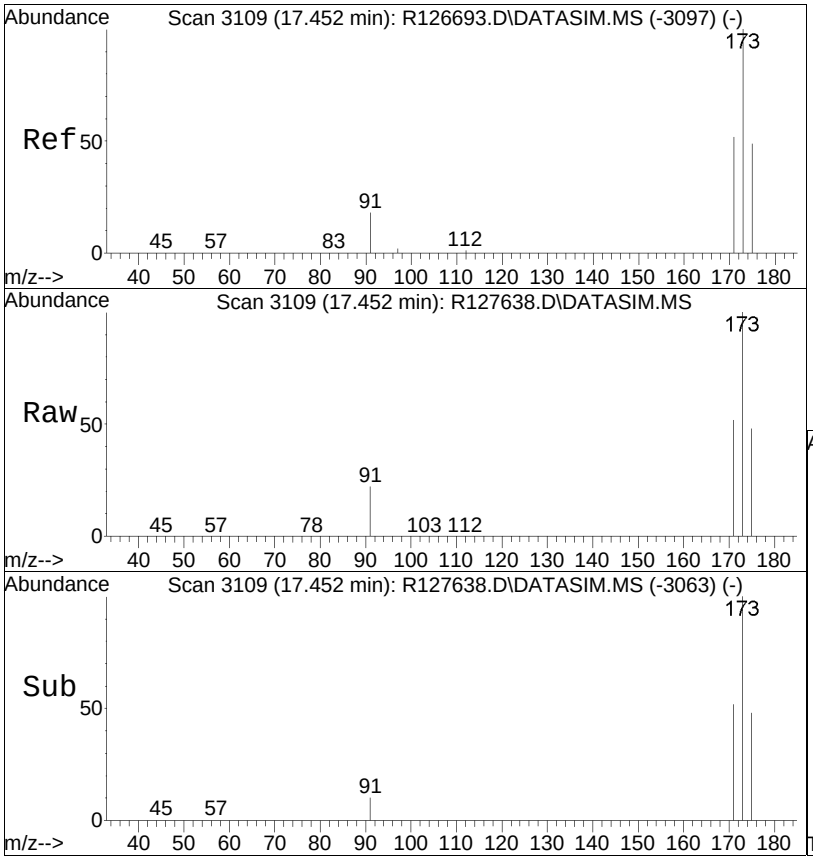


#59
m+p-xylene
Concen: 9.92 ppbV
RT: 17.37 min Scan# 3091
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 91 Resp: 531670

Ion	Ratio	Lower	Upper
91	100		
106	49.6	40.0	60.0

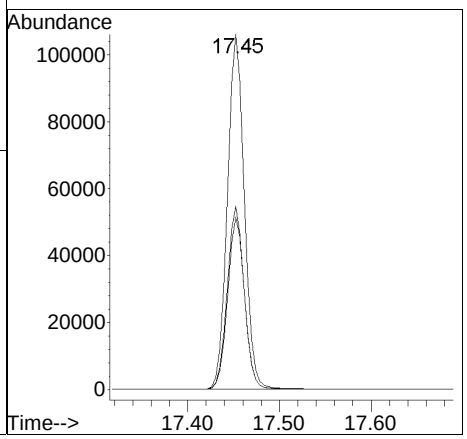


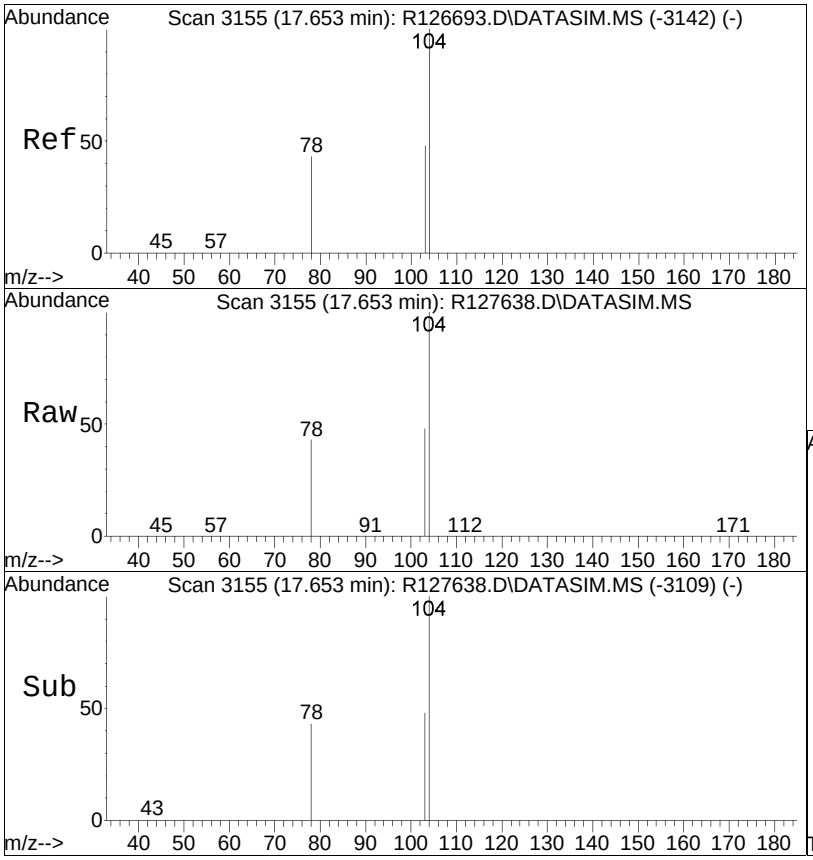


#60
bromoform
Concen: 3.50 ppbV
RT: 17.45 min Scan# 3109
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:173 Resp: 136301

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
171	51.5	41.4	62.0

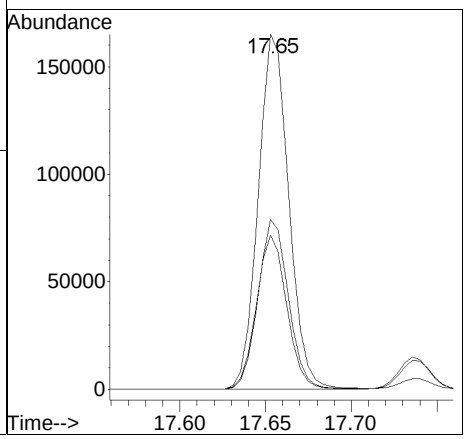


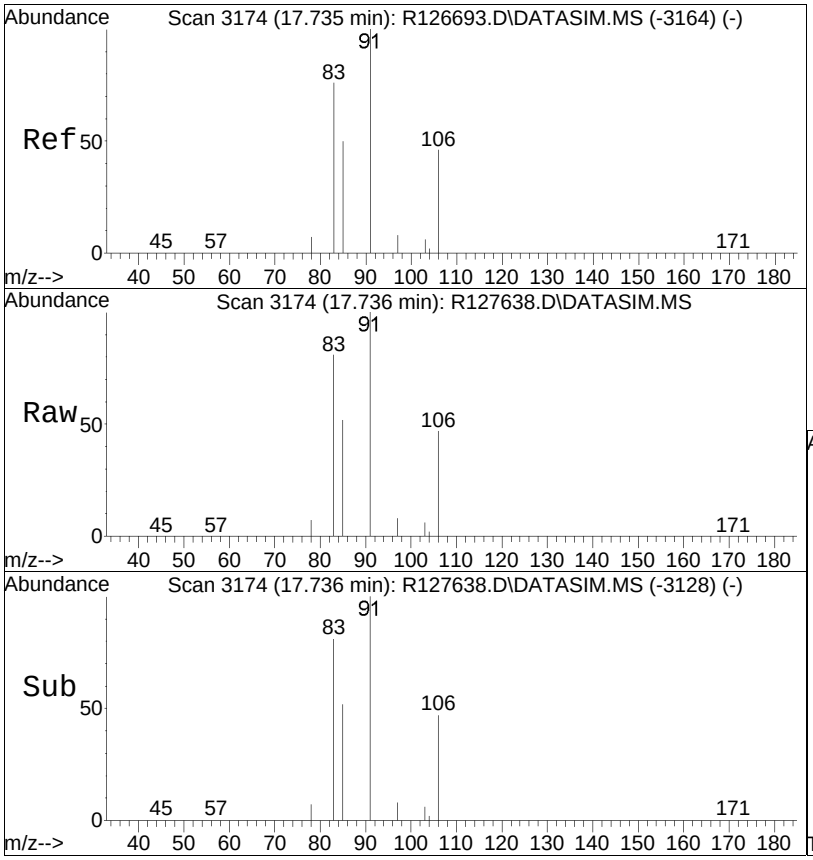


#61
styrene
Concen: 4.94 ppbV
RT: 17.65 min Scan# 3155
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:104 Resp: 204881

Ion	Ratio	Lower	Upper
104	100		
103	47.9	38.3	57.5
78	43.4	35.0	52.6

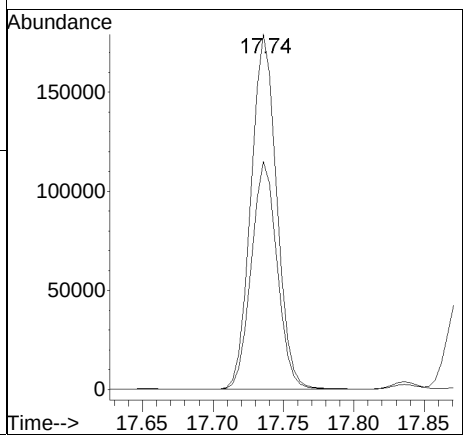


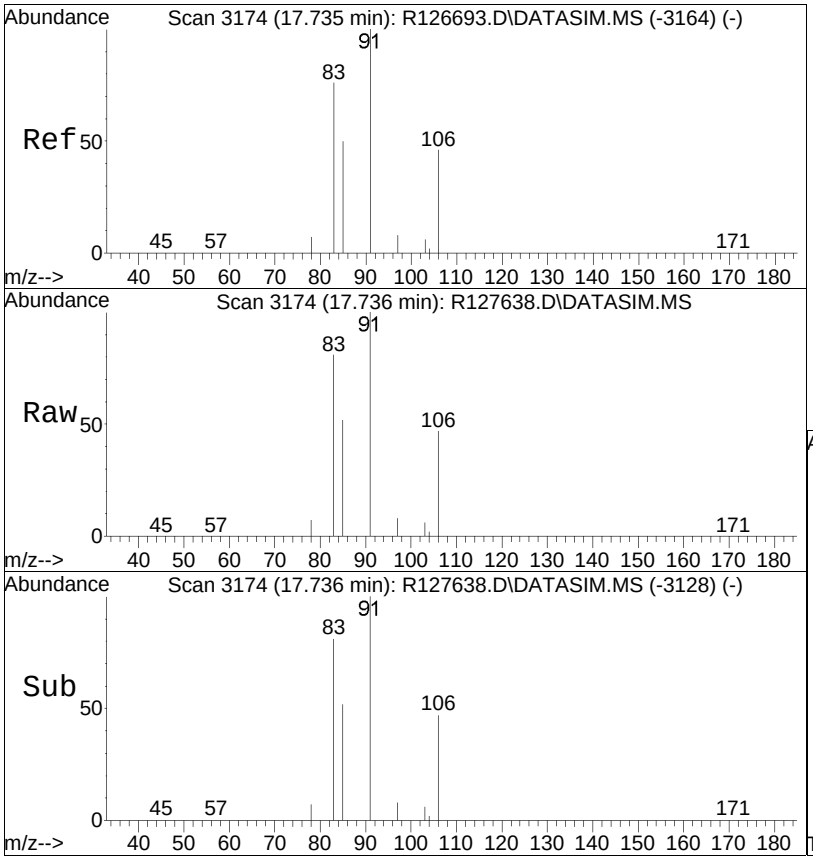


#62
1,1,2,2-tetrachloroethane
Concen: 5.19 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 83 Resp: 228320

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.0

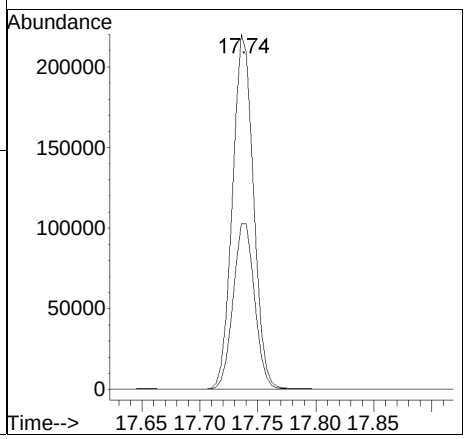


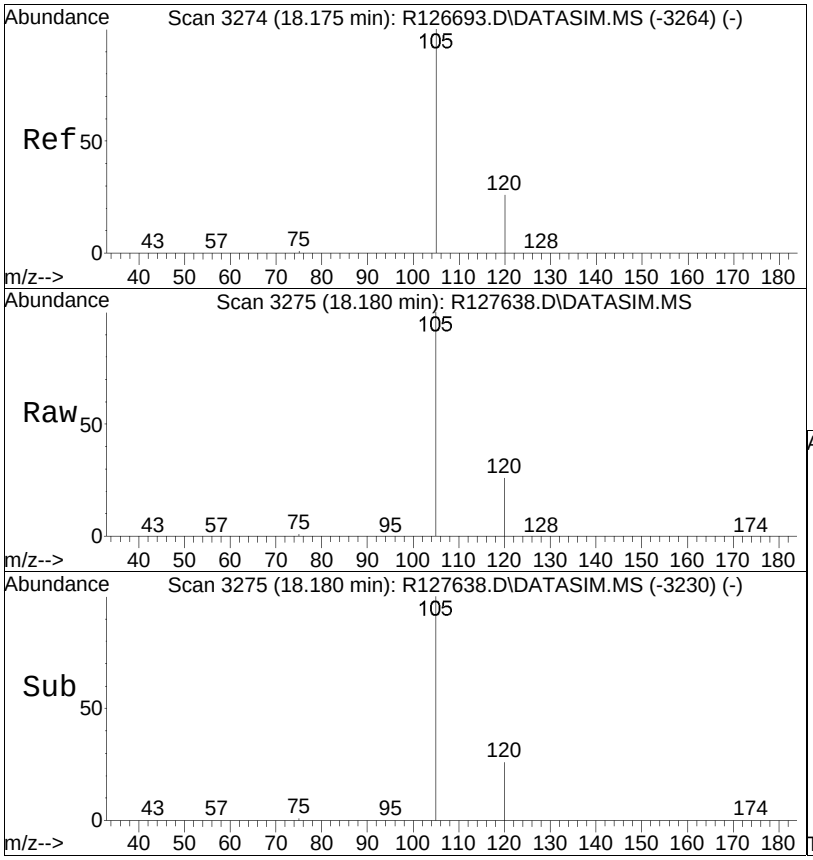


#63
o-xylene
Concen: 4.98 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 91 Resp: 277818

Ion	Ratio	Lower	Upper
91	100		
106	46.7	37.1	55.7

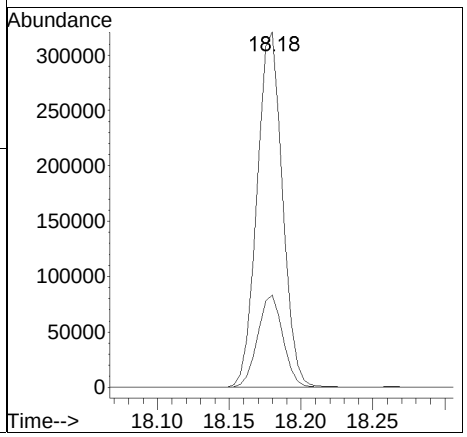


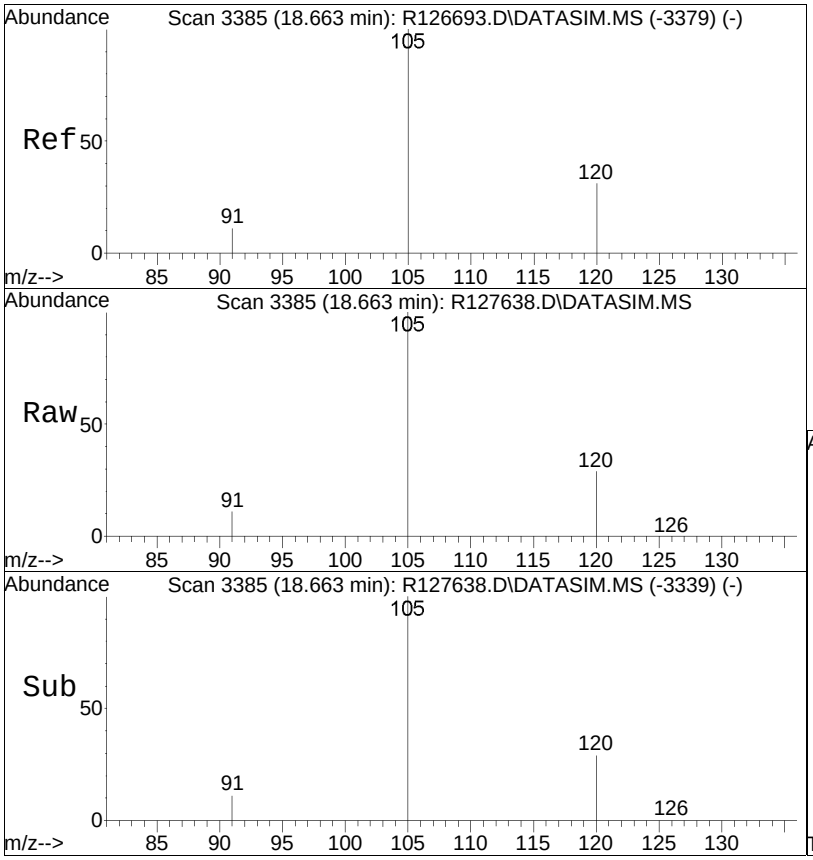


#65
isopropylbenzene
Concen: 4.83 ppbV
RT: 18.18 min Scan# 3275
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:105 Resp: 395710

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1

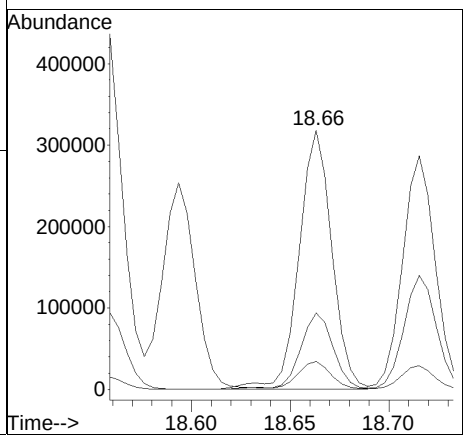


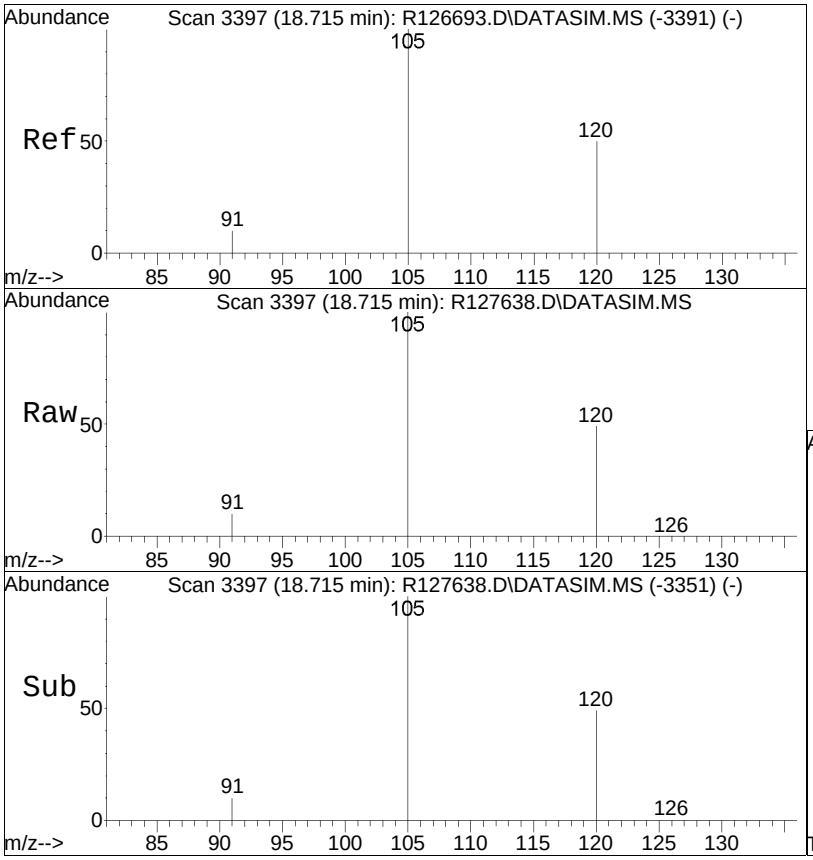


#66
4-ethyl toluene
Concen: 4.53 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:105 Resp: 367434

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.7	35.5
91	10.8	8.5	12.7

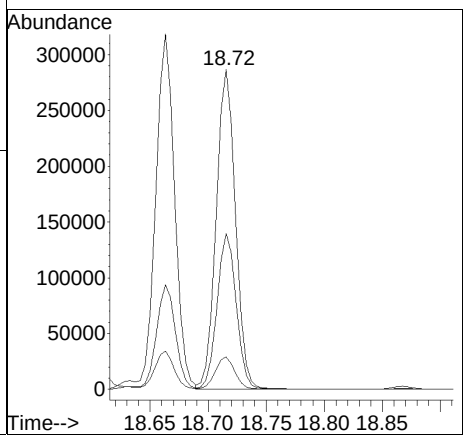


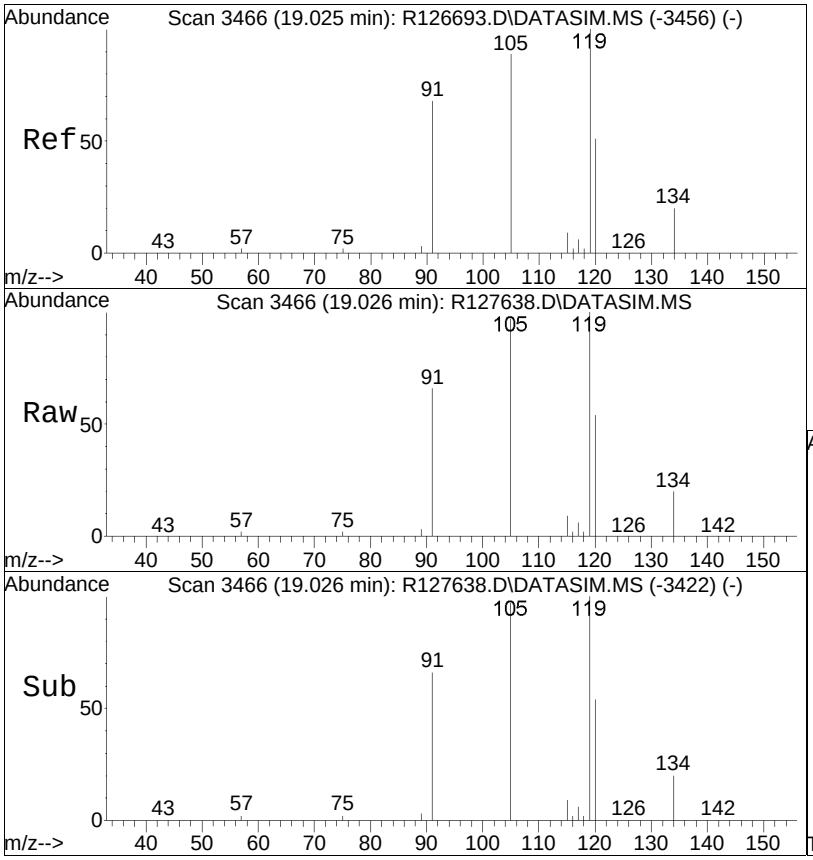


#67
1,3,5-trimethylbenzene
Concen: 4.96 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:105 Resp: 330607

Ion	Ratio	Lower	Upper
105	100		
120	48.7	39.0	58.4
91	10.1	8.0	12.0

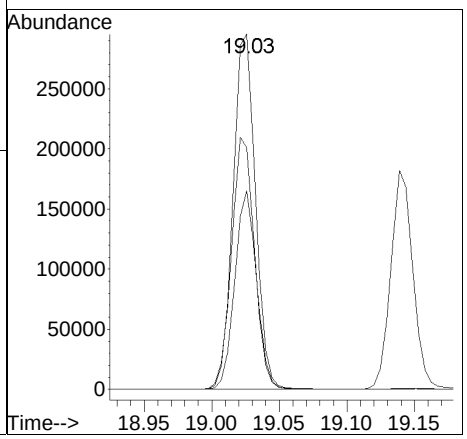


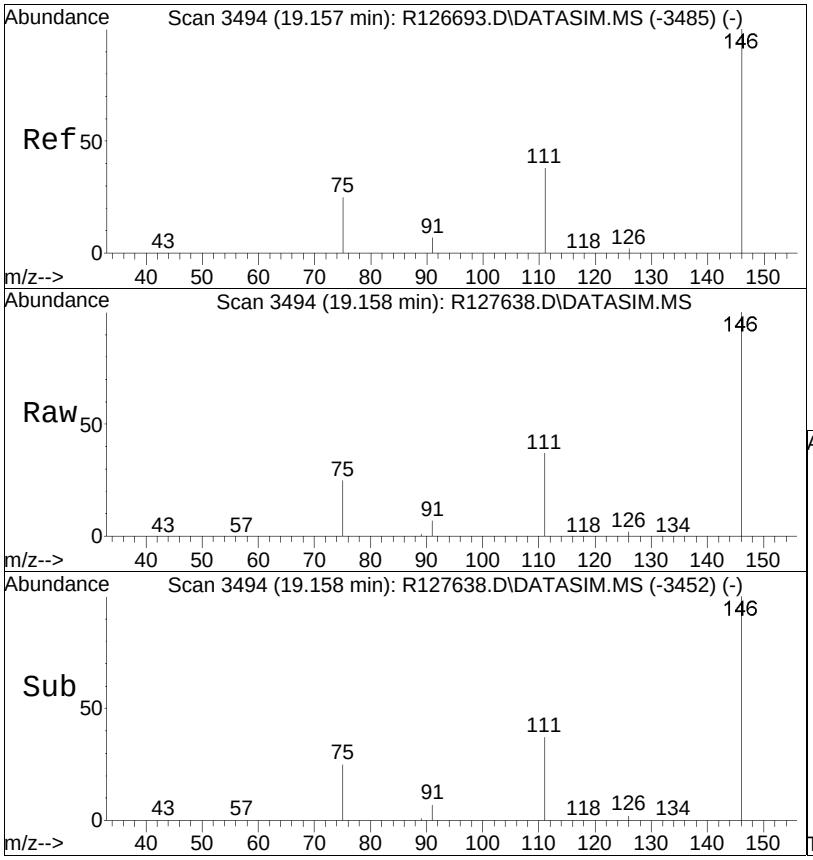


#69
1,2,4-trimethylbenzene
Concen: 5.10 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:105 Resp: 340116

Ion	Ratio	Lower	Upper
105	100		
120	55.9	44.9	67.3
91	68.0	58.6	88.0

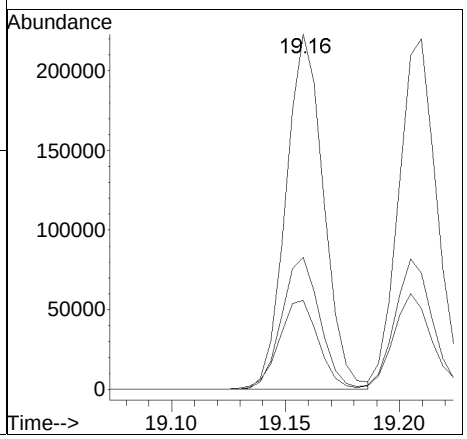


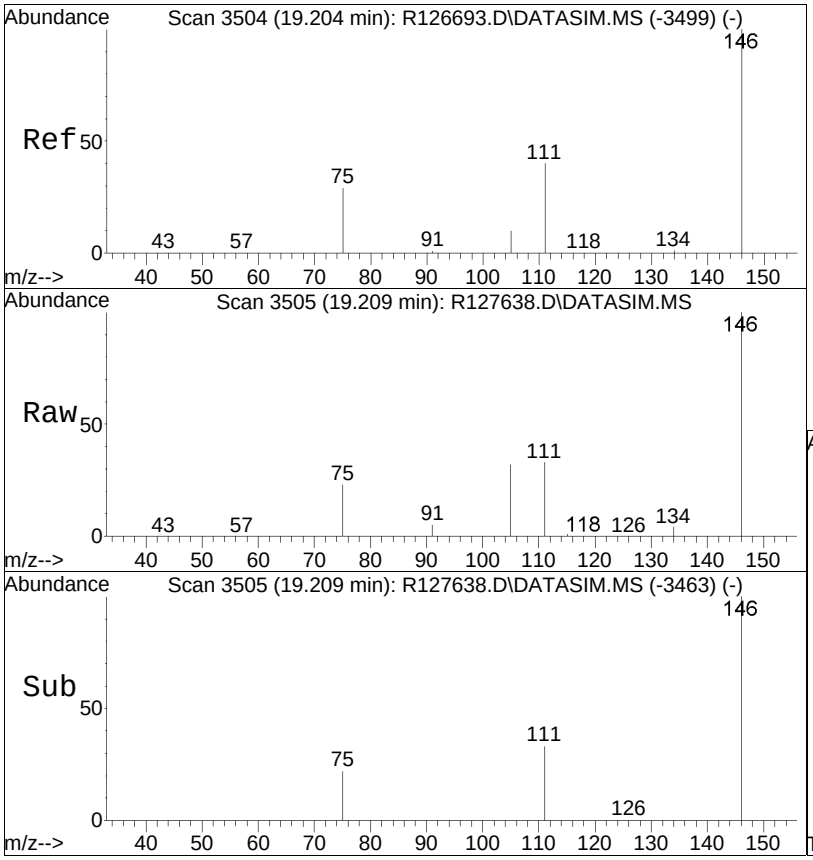


#71
1,3-dichlorobenzene
Concen: 5.07 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:146 Resp: 256076

Ion	Ratio	Lower	Upper
146	100		
111	37.1	29.5	44.3
75	25.1	19.5	29.3

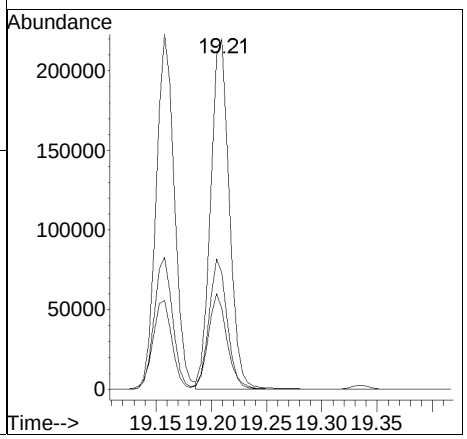


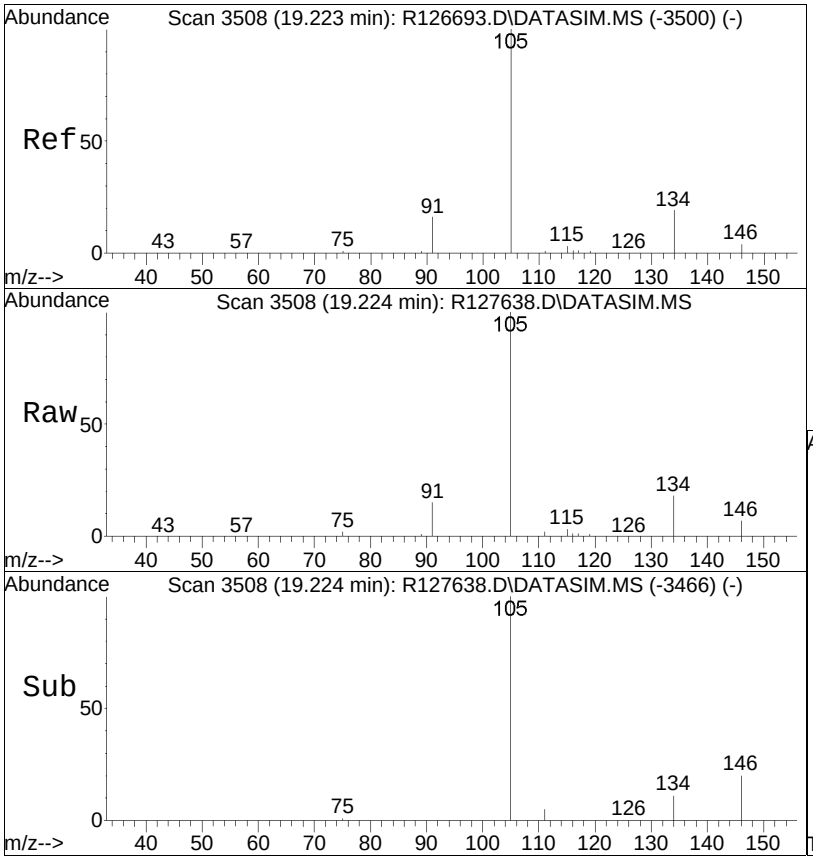


#72
1,4-dichlorobenzene
Concen: 5.03 ppbV
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:146 Resp: 257906

Ion	Ratio	Lower	Upper
146	100		
111	33.2	26.4	39.6
75	23.1	18.0	27.0

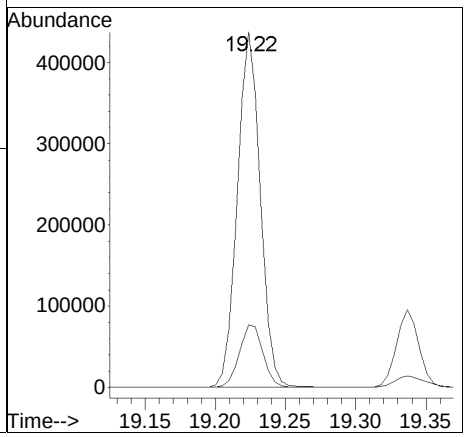


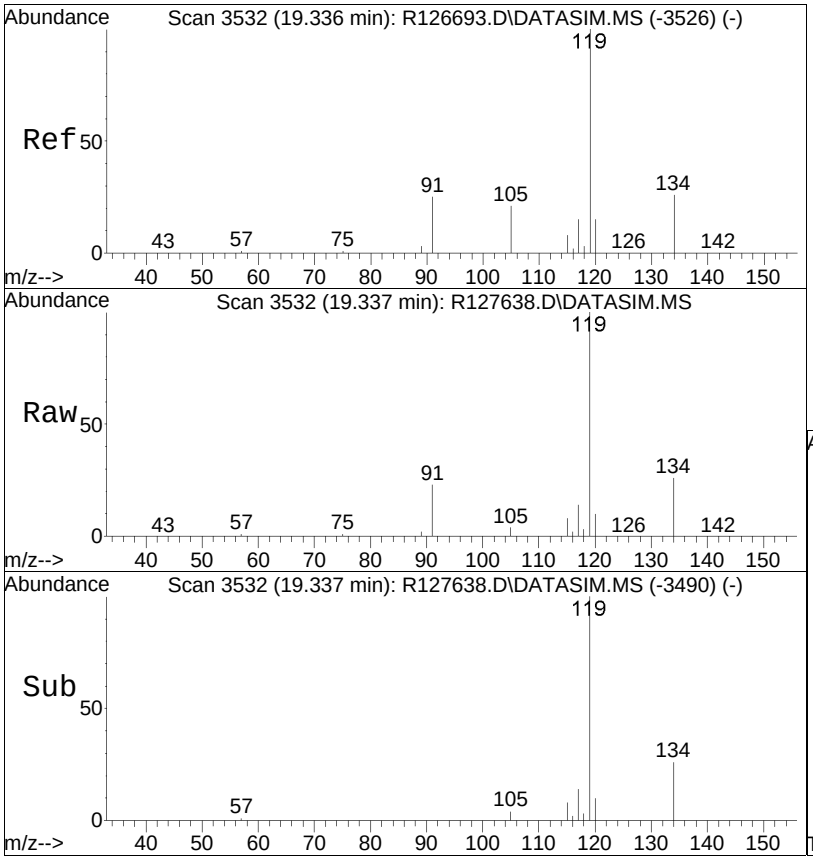


#73
sec-butylbenzene
Concen: 4.77 ppbV
RT: 19.22 min Scan# 3508
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:105 Resp: 495744

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.3	21.5

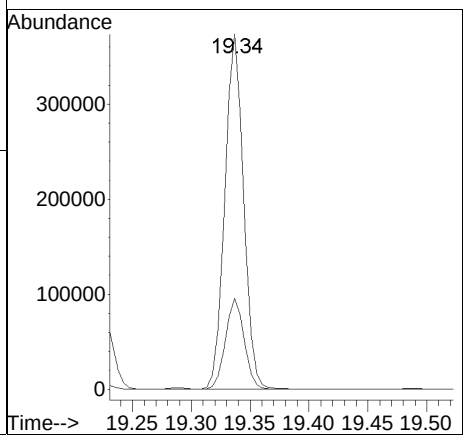


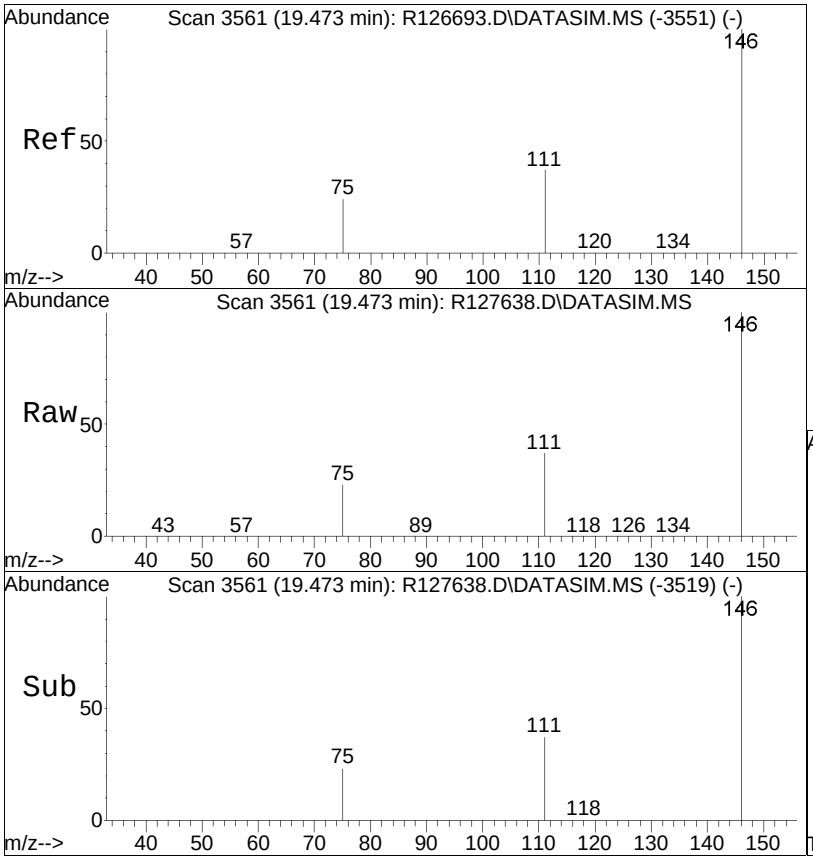


#74
p-isopropyltoluene
Concen: 4.51 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:119 Resp: 413752

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6

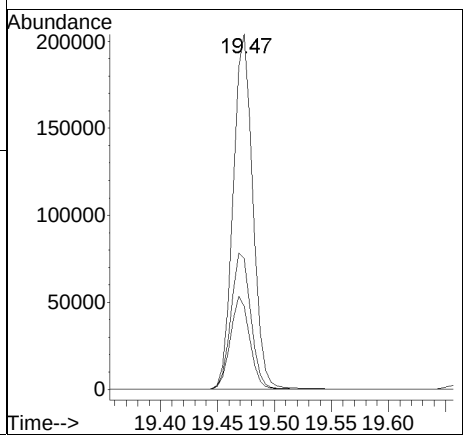


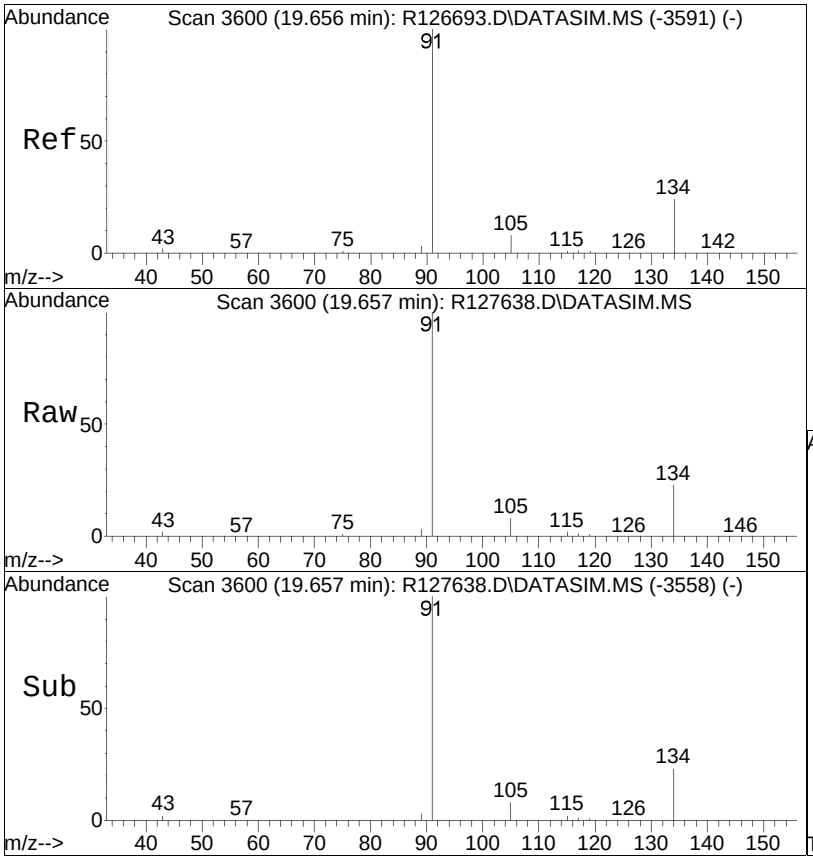


#75
1,2-dichlorobenzene
Concen: 5.04 ppbV
RT: 19.47 min Scan# 3561
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:146 Resp: 244413

Ion	Ratio	Lower	Upper
146	100		
111	36.8	28.7	43.1
75	23.4	17.9	26.9

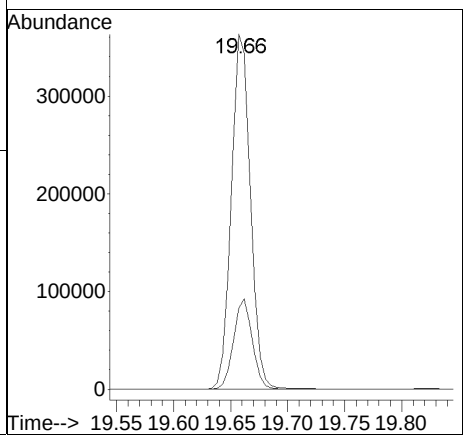


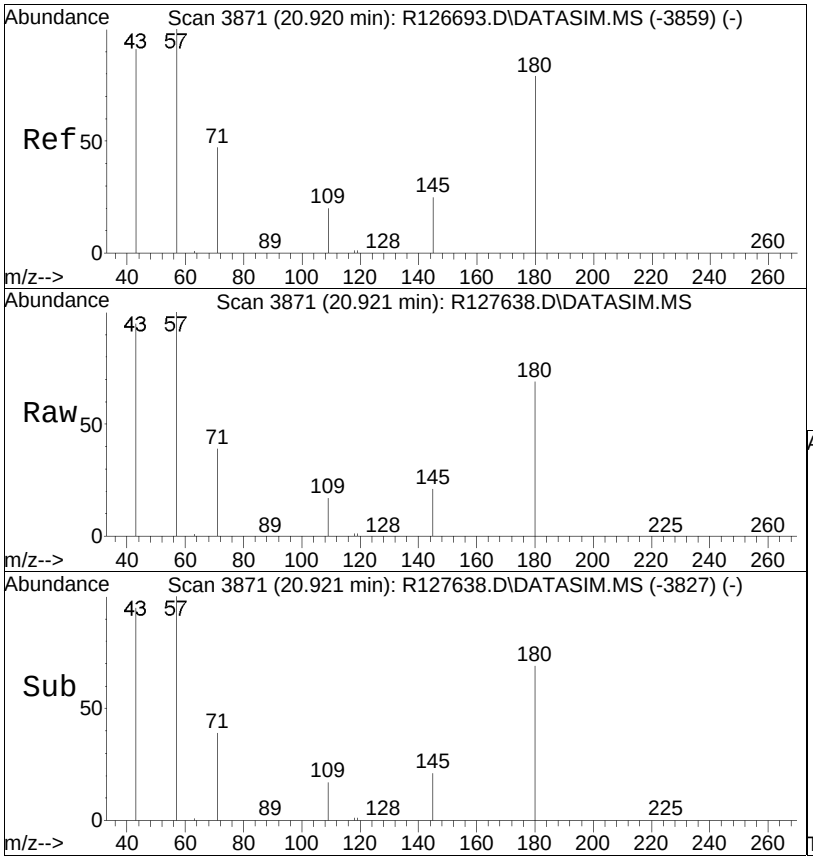


#76
n-butylbenzene
Concen: 5.10 ppbV
RT: 19.66 min Scan# 3600
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion: 91 Resp: 423390

Ion	Ratio	Lower	Upper
91	100		
134	22.9	18.6	28.0

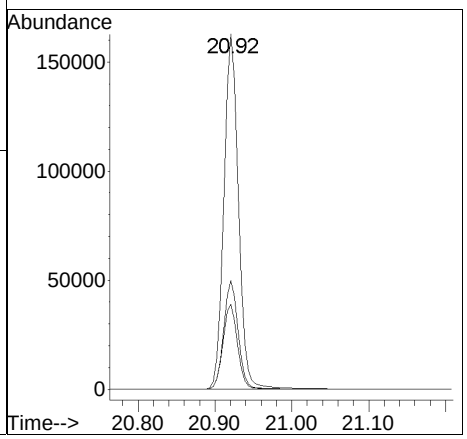


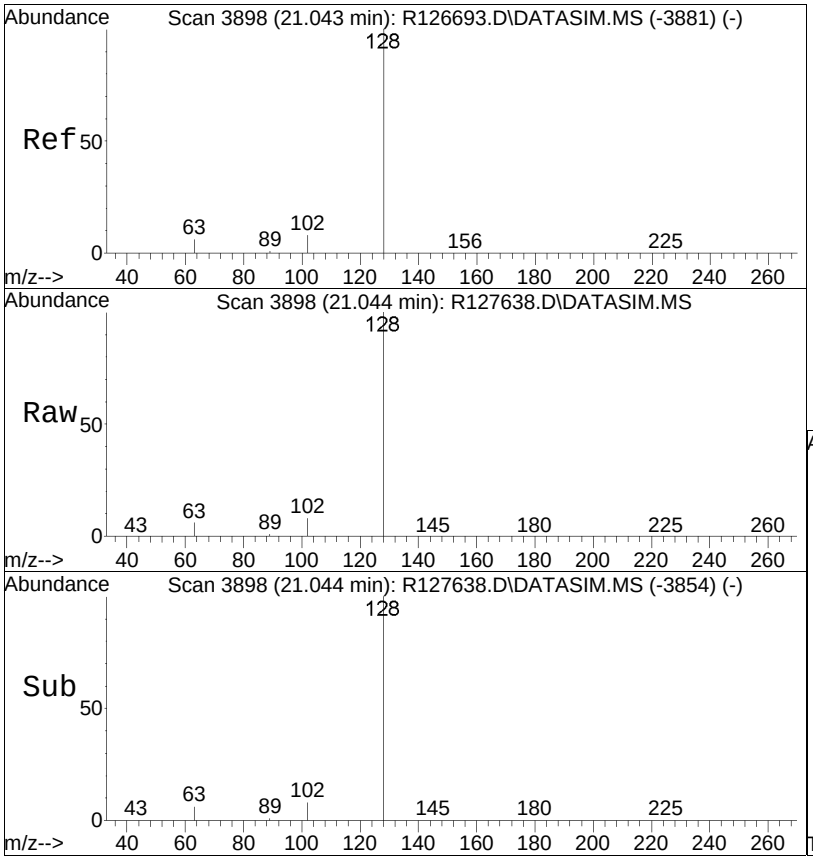


#77
1,2,4-trichlorobenzene
Concen: 5.52 ppbV
RT: 20.92 min Scan# 3871
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:180 Resp: 215405

Ion	Ratio	Lower	Upper
180	100		
145	30.6	24.2	36.4
109	24.0	18.5	27.7

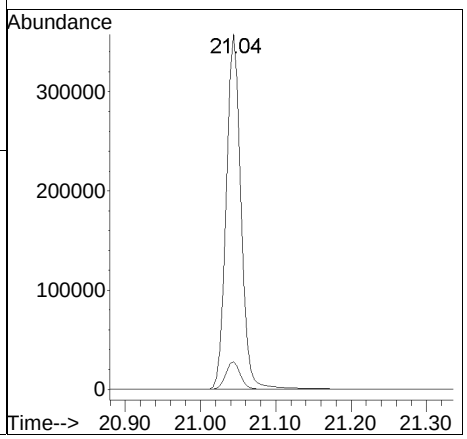


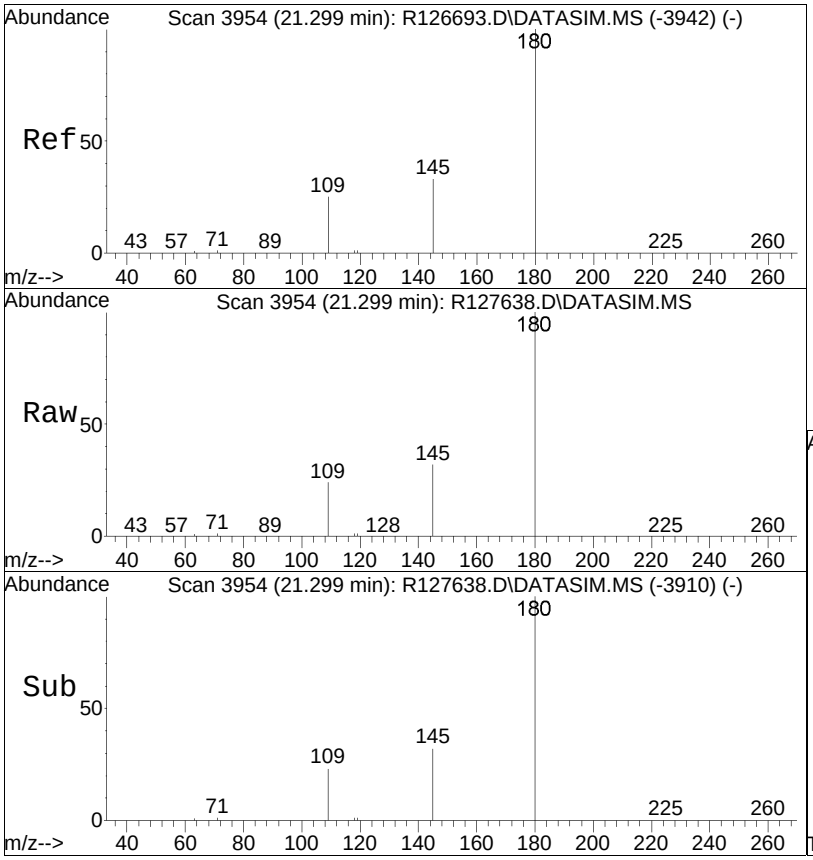


#78
naphthalene
Concen: 5.02 ppbV
RT: 21.04 min Scan# 3898
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:128 Resp: 489346

Ion	Ratio	Lower	Upper
128	100		
102	7.8	6.2	9.2

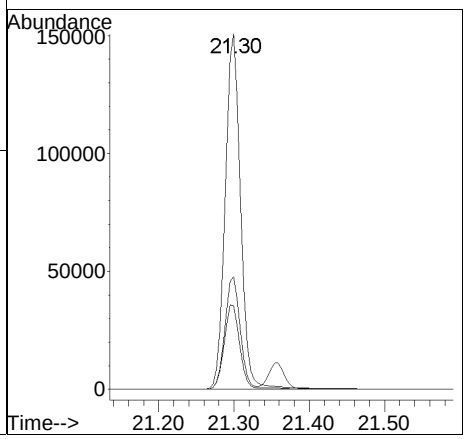


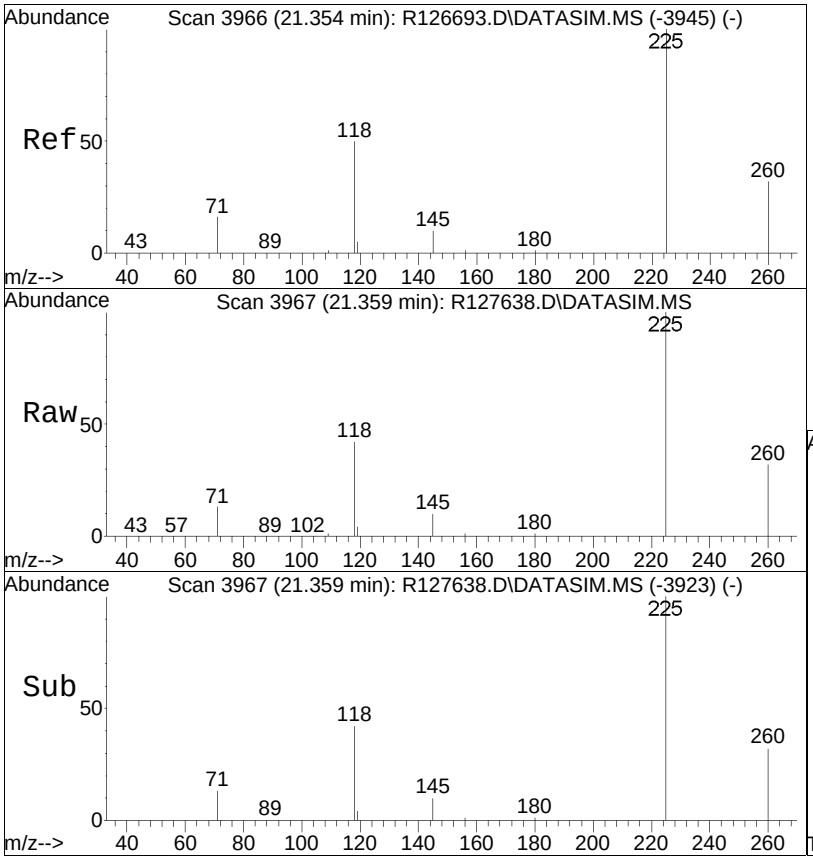


#79
1,2,3-trichlorobenzene
Concen: 5.26 ppbV
RT: 21.30 min Scan# 3954
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:180 Resp: 214552

Ion	Ratio	Lower	Upper
180	100		
145	31.7	25.5	38.3
109	23.5	18.2	27.4

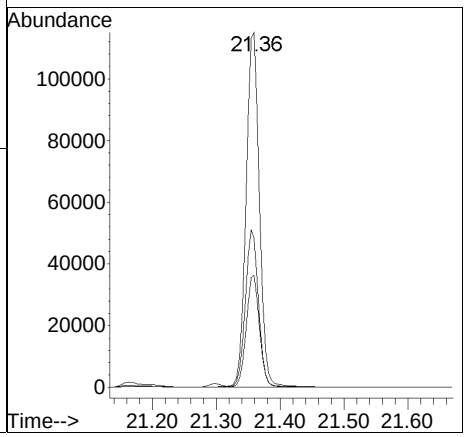




#80
hexachlorobutadiene
Concen: 5.07 ppbV
RT: 21.36 min Scan# 3967
Delta R.T. 0.000 min
Lab File: R127638.D
Acq: 12 Apr 2013 2:03 pm

Tgt Ion:225 Resp: 166842

Ion	Ratio	Lower	Upper
225	100		
260	31.6	25.9	38.9
118	42.0	31.2	46.8

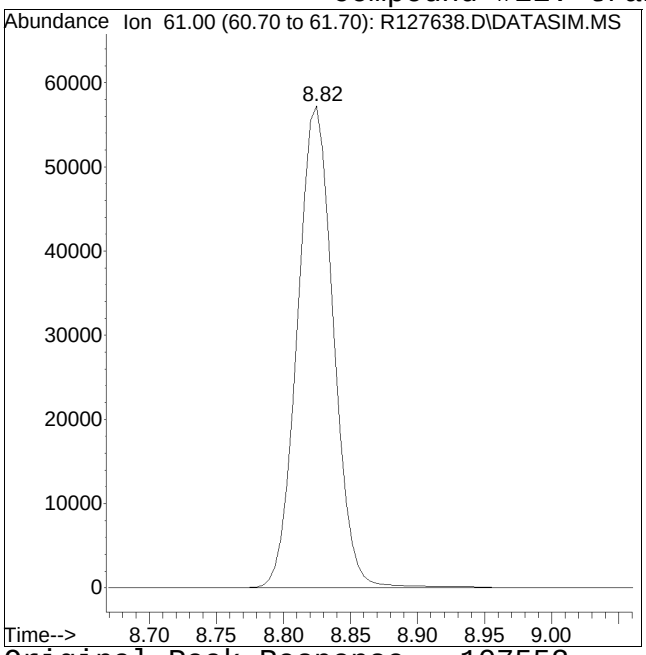


Manual Integration/Negative Proof Report

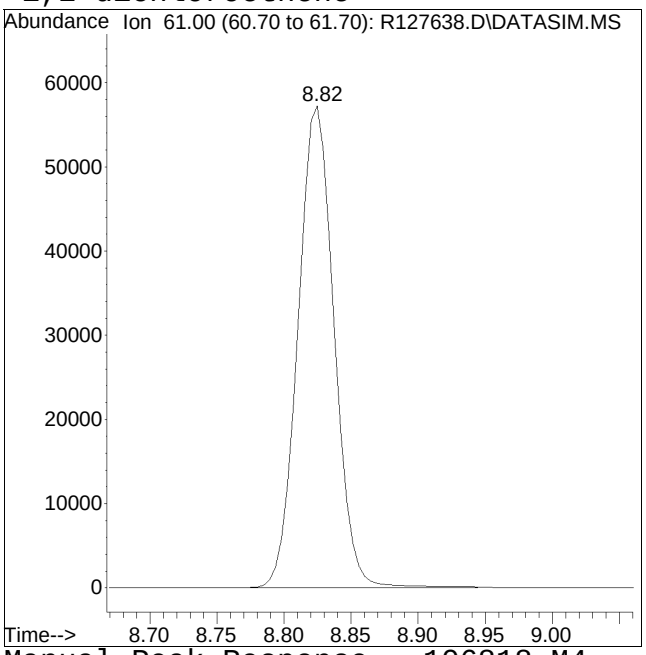
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 107552



Manual Peak Response = 106818 M4

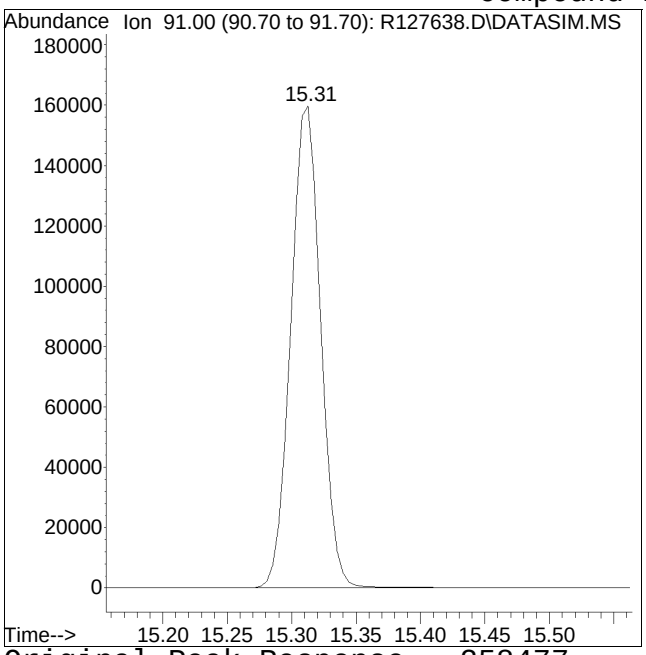
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

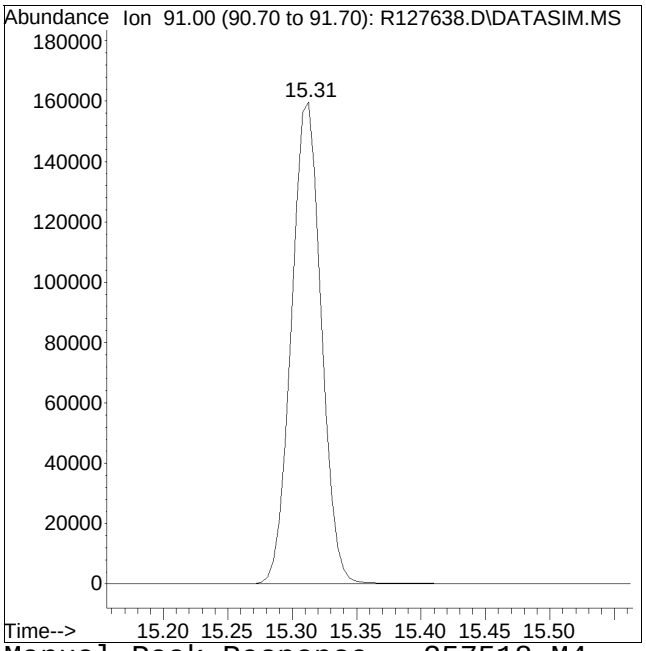
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #50: toluene



Original Peak Response = 258477



Manual Peak Response = 257518 M4

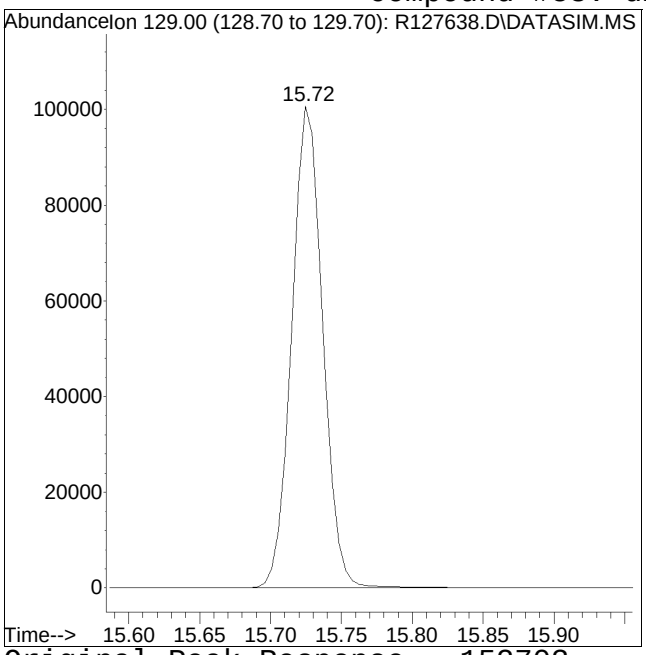
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

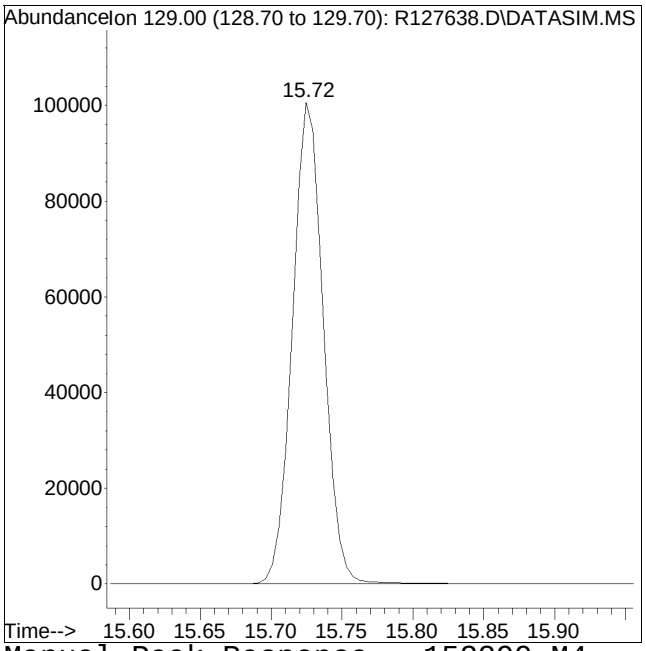
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #53: dibromochloromethane



Original Peak Response = 152703



Manual Peak Response = 152299 M4

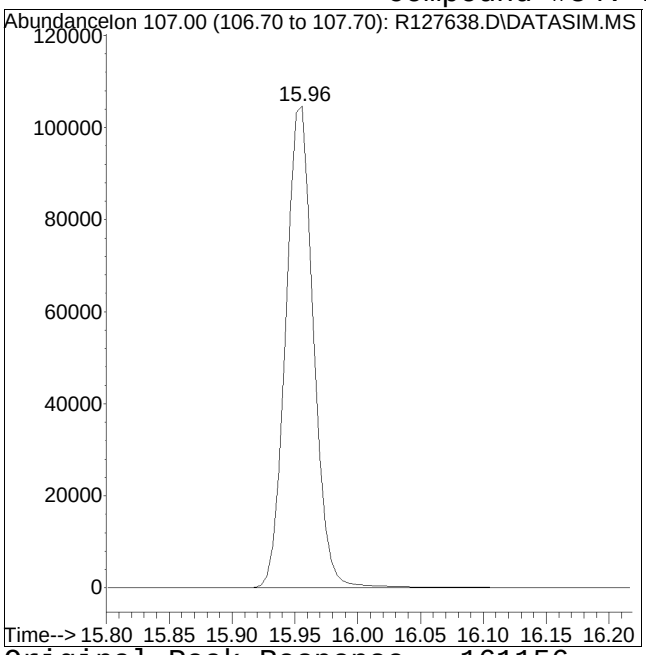
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

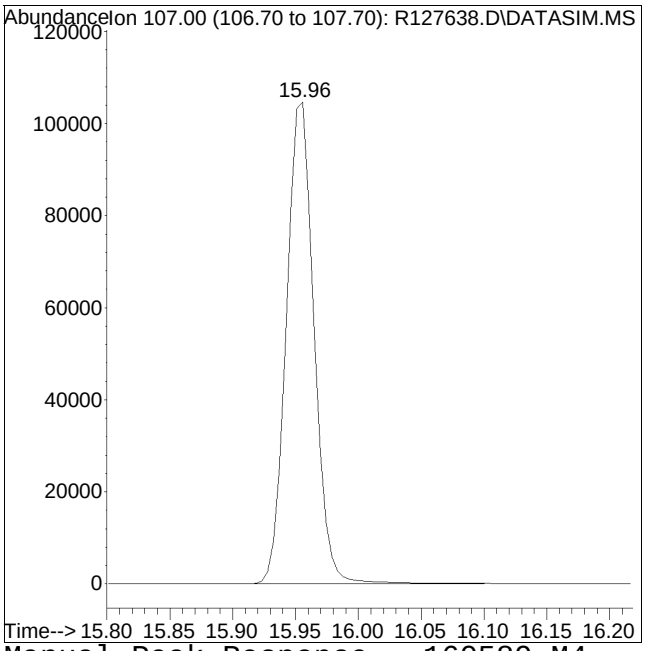
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127638.D
Date Inj'd : 4/12/2013 2:03 pm
Sample : WG601403-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:RY
Instrument : Air Piano 1
Quant Date : 4/12/2013 2:26 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 161156



Manual Peak Response = 160589 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-3,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	277541	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 100.00%			
32) 1,4-difluorobenzene	12.49	114	568916	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 100.00%			
49) chlorobenzene-D5	16.90	54	138075	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	185017	5.148	ppbV	100
4) chloromethane	4.40	50	95985	5.077	ppbV	100
5) Freon-114	4.55	85	201465	5.128	ppbV	99
6) vinyl chloride	4.71	62	82134	5.102	ppbV	99
7) 1,3-butadiene	4.91	54	67814	5.292	ppbV	96
8) bromomethane	5.30	94	72345	5.028	ppbV	99
9) chloroethane	5.55	64	35663	4.958	ppbV	98
12) acetone	6.39	43	792144	26.379	ppbV	99
13) trichlorofluoromethane	6.62	101	221870	5.144	ppbV	100
15) acrylonitrile	7.04	53	73350	5.020	ppbV	100
16) 1,1-dichloroethene	7.47	61	137637	5.115	ppbV	99
17) methylene chloride	7.64	49	132169M4	5.266	ppbV	
20) Freon 113	7.99	101	154712	5.163	ppbV	99
22) trans-1,2-dichloroethene	8.82	61	116871M4	4.503	ppbV	
23) 1,1-dichloroethane	9.07	63	148702	4.948	ppbV	99
24) MTBE	9.16	73	166710	4.576	ppbV	99
26) 2-butanone	9.56	43	206423	4.386	ppbV	98
27) cis-1,2-dichloroethene	10.07	61	125703	4.892	ppbV	96
29) chloroform	10.43	83	168060	5.180	ppbV	99
31) 1,2-dichloroethane	11.27	62	123378	5.033	ppbV	99
35) 1,1,1-trichloroethane	11.56	97	163799	5.378	ppbV	98
36) benzene	12.08	78	232567	5.173	ppbV	99
37) carbon tetrachloride	12.25	117	167712	5.021	ppbV	99
39) 1,2-dichloropropane	13.02	63	105589	5.340	ppbV	100
40) bromodichloromethane	13.24	83	167744	4.906	ppbV	100
42) trichloroethene	13.28	130	116462	5.297	ppbV	100
45) cis-1,3-dichloropropene	14.27	75	134553	5.448	ppbV	99
46) 4-methyl-2-pentanone	14.30	43	277619	5.437	ppbV	100
47) trans-1,3-dichloropropene	14.84	75	114890	4.649	ppbV	99
48) 1,1,2-trichloroethane	15.03	97	108279	5.628	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-3,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

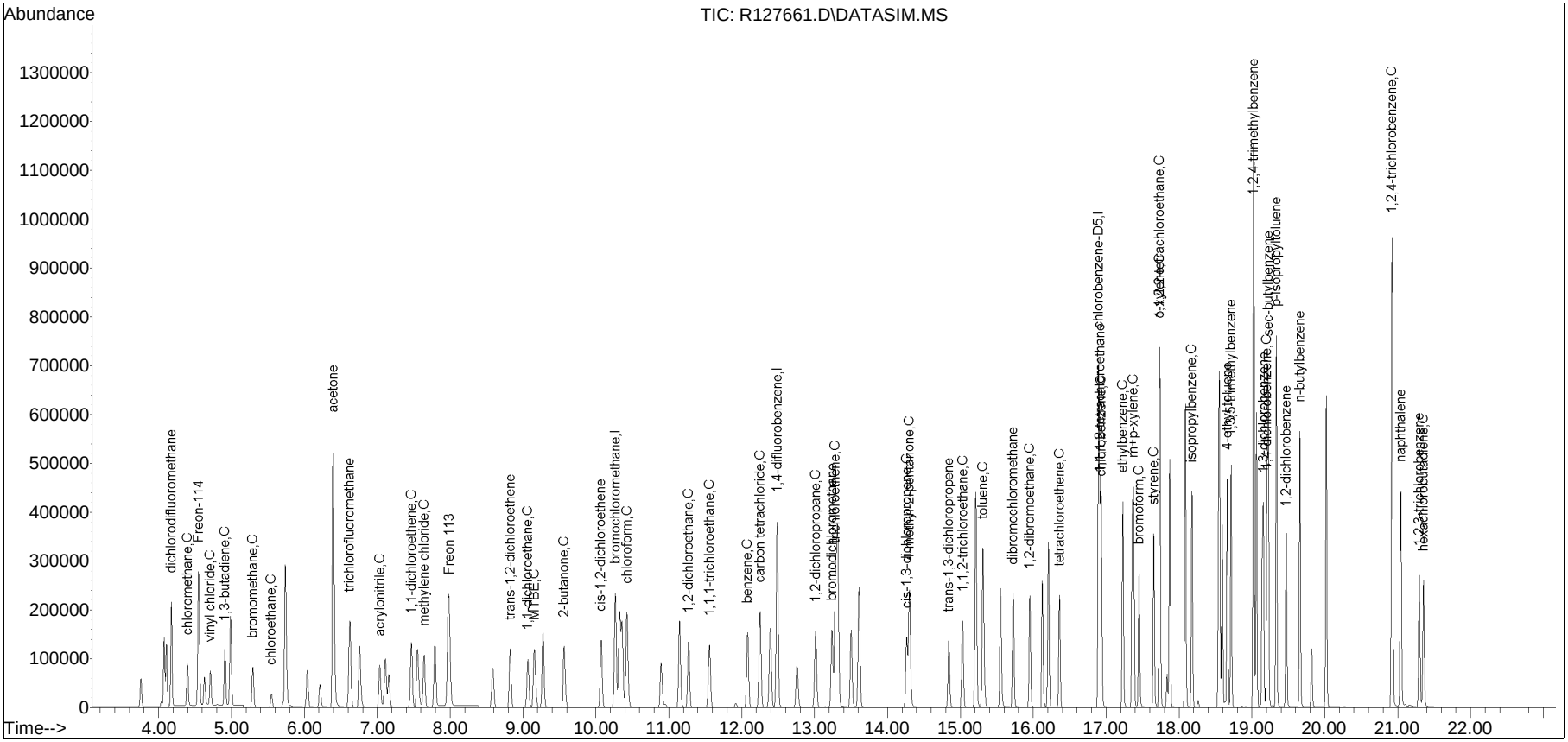
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) toluene	15.31	91	286359M4	5.116	ppbV	
53) dibromochloromethane	15.72	129	174936M4	4.365	ppbV	
54) 1,2-dibromoethane	15.95	107	179999M4	5.368	ppbV	
55) tetrachloroethene	16.36	166	148108	5.126	ppbV	98
56) 1,1,1,2-tetrachloroethane	16.92	131	135236	4.633	ppbV	100
57) chlorobenzene	16.93	112	246571	5.257	ppbV	100
58) ethylbenzene	17.23	91	376929	5.258	ppbV	100
59) m+p-xylene	17.37	91	593634	10.651	ppbV	100
60) bromoform	17.45	173	160432	3.955	ppbV	100
61) styrene	17.65	104	228897	5.301	ppbV	100
62) 1,1,2,2-tetrachloroethane	17.74	83	252216	5.515	ppbV	100
63) o-xylene	17.74	91	307449	5.293	ppbV	99
65) isopropylbenzene	18.18	105	434900	5.102	ppbV	99
66) 4-ethyl toluene	18.66	105	387321M6	4.587	ppbV	
67) 1,3,5-trimethylbenzene	18.72	105	362915	5.237	ppbV	99
69) 1,2,4-trimethylbenzene	19.03	105	373883	5.389	ppbV	95
71) 1,3-dichlorobenzene	19.16	146	279648	5.327	ppbV	100
72) 1,4-dichlorobenzene	19.20	146	282606	5.294	ppbV	92
73) sec-butylbenzene	19.22	105	537952	4.973	ppbV	99
74) p-isopropyltoluene	19.34	119	448315	4.700	ppbV	99
75) 1,2-dichlorobenzene	19.47	146	268005	5.308	ppbV	100
76) n-butylbenzene	19.66	91	456319	5.287	ppbV	100
77) 1,2,4-trichlorobenzene	20.92	180	233874	5.764	ppbV	100
78) naphthalene	21.04	128	535226	5.274	ppbV	100
79) 1,2,3-trichlorobenzene	21.29	180	242190	5.704	ppbV	98
80) hexachlorobutadiene	21.35	225	181410	5.297	ppbV	96

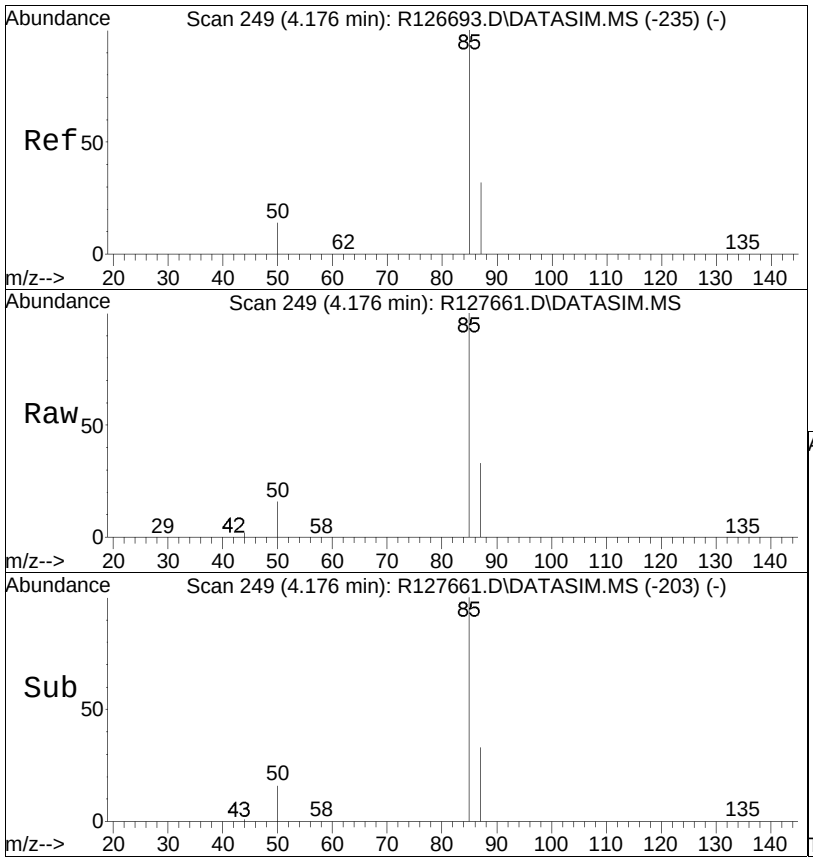
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-3,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

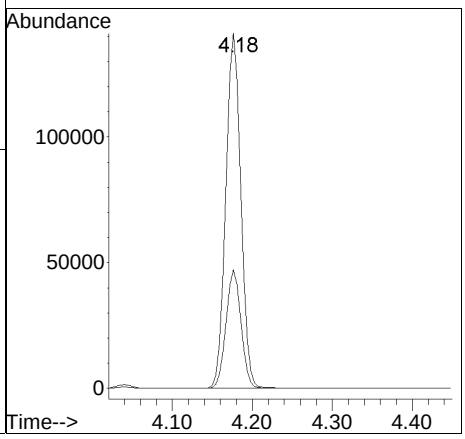


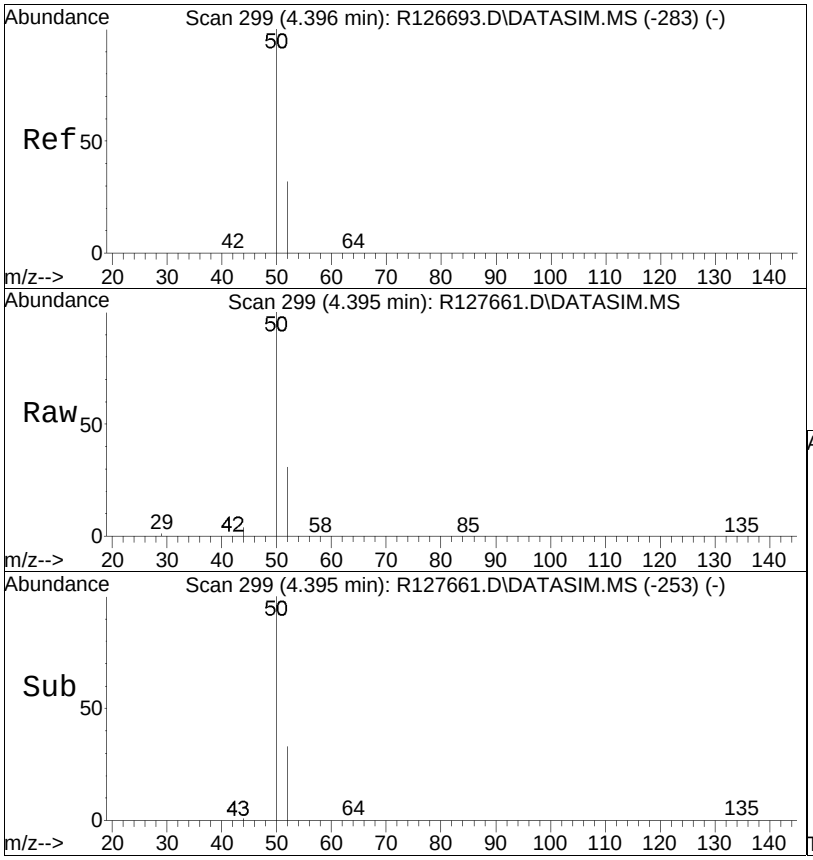


#3
dichlorodifluoromethane
Concen: 5.15 ppbV
RT: 4.18 min Scan# 249
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 85 Resp: 185017

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.6	40.0

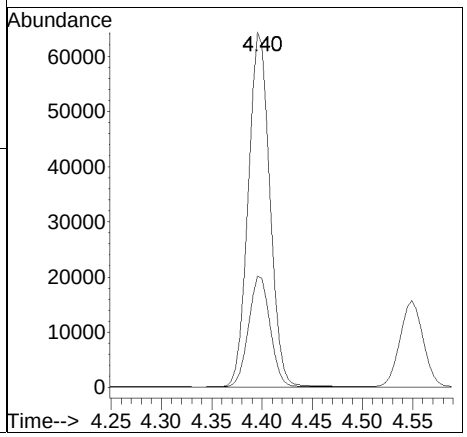


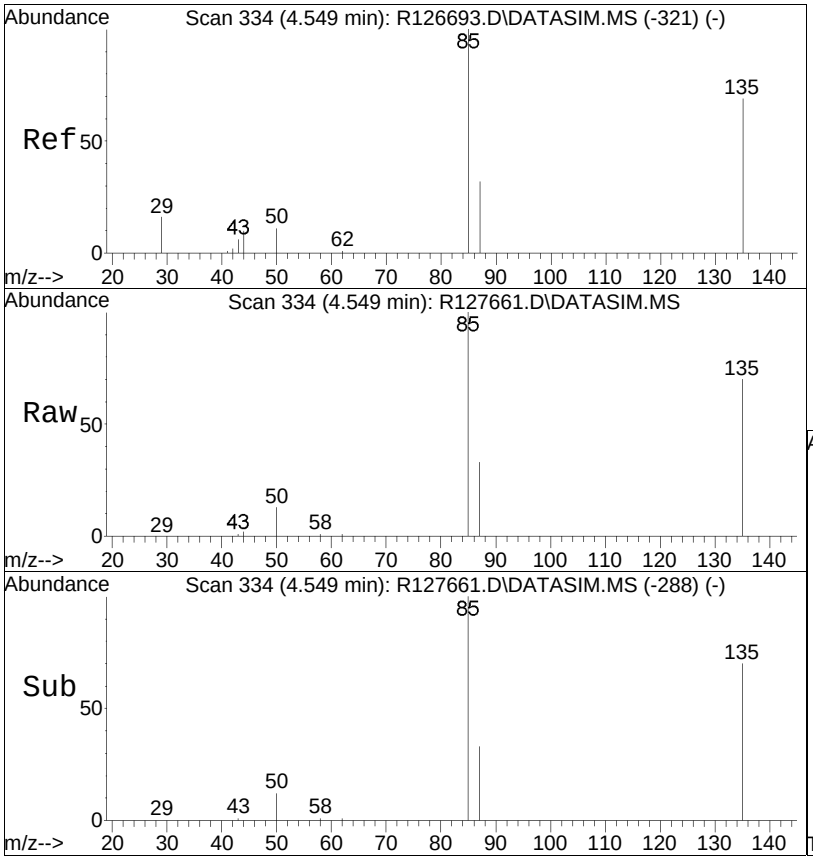


#4
chloromethane
Concen: 5.08 ppbV
RT: 4.40 min Scan# 299
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 50 Resp: 95985

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.3	37.9

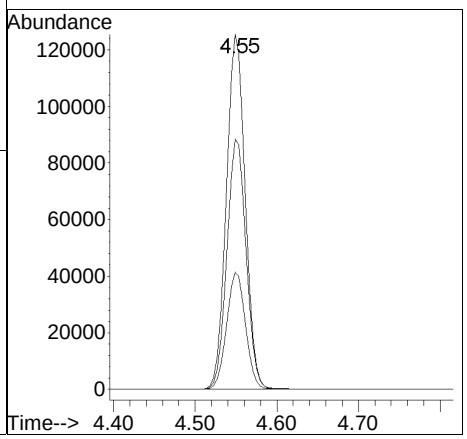


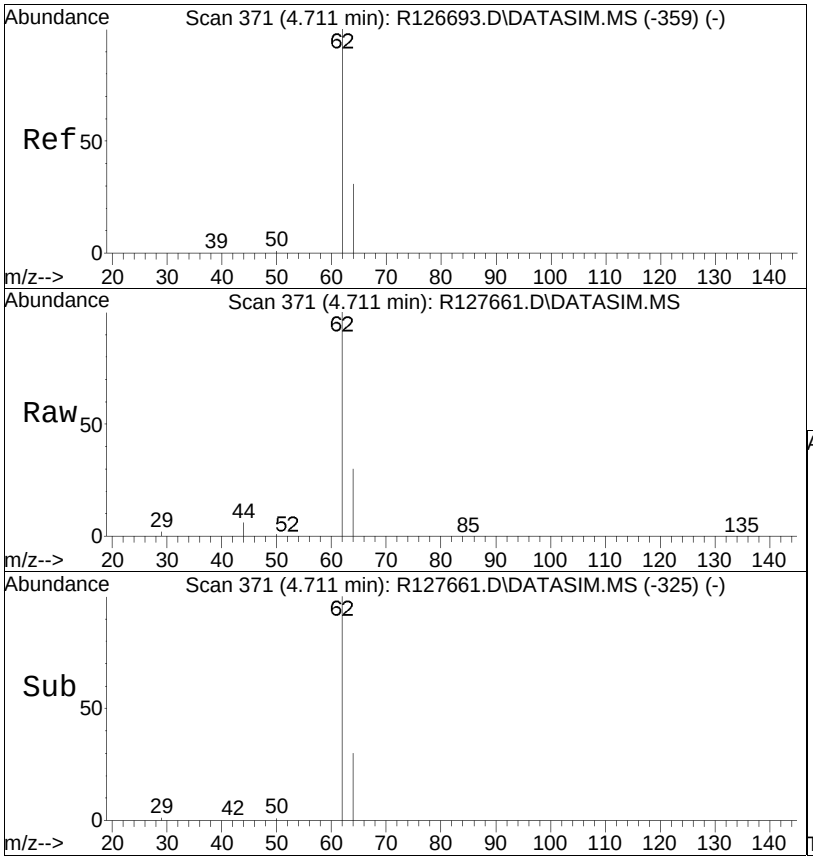


#5
Freon-114
Concen: 5.13 ppbV
RT: 4.55 min Scan# 334
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 85 Resp: 201465

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.5	39.7
135	70.4	56.9	85.3

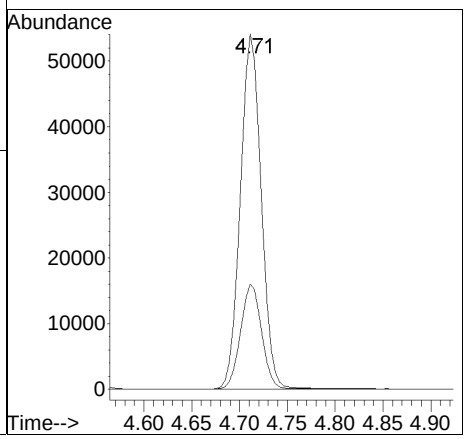


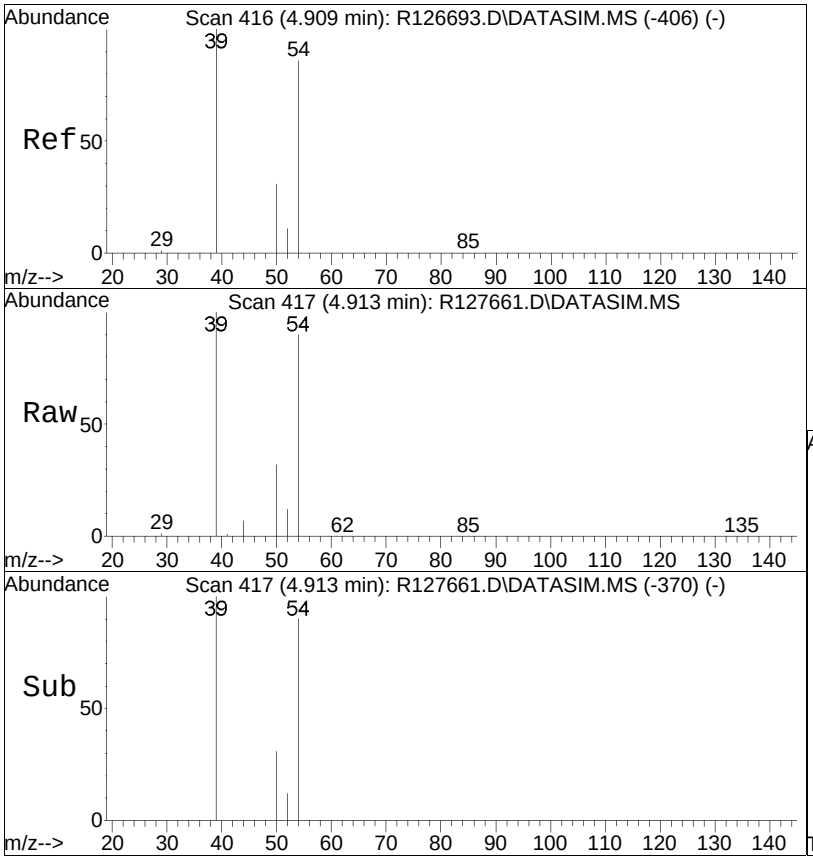


#6
vinyl chloride
Concen: 5.10 ppbV
RT: 4.71 min Scan# 371
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 62 Resp: 82134

Ion	Ratio	Lower	Upper
62	100		
64	29.7	24.0	36.0

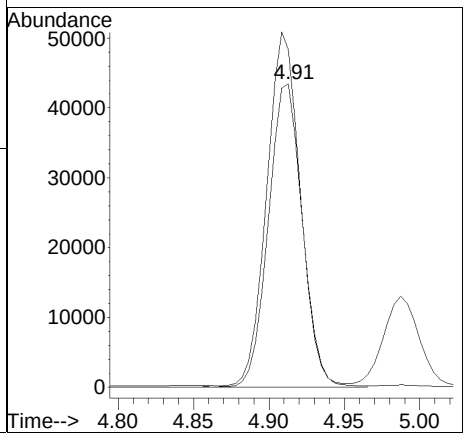


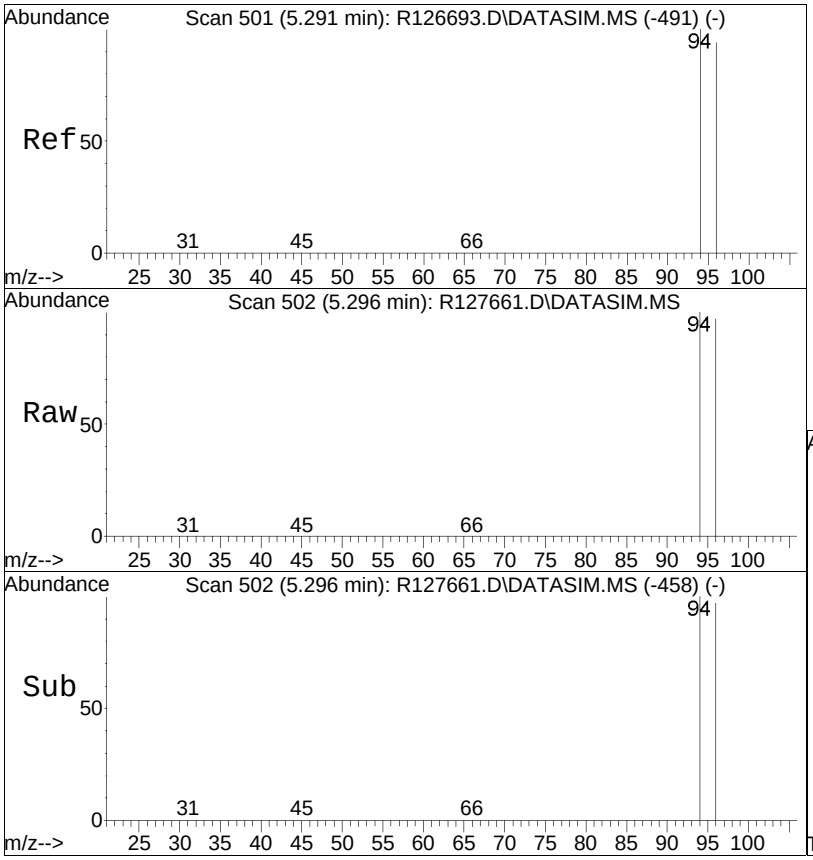


#7
1,3-butadiene
Concen: 5.29 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.004 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 54 Resp: 67814

Ion	Ratio	Lower	Upper
54	100		
39	111.2	92.4	138.6

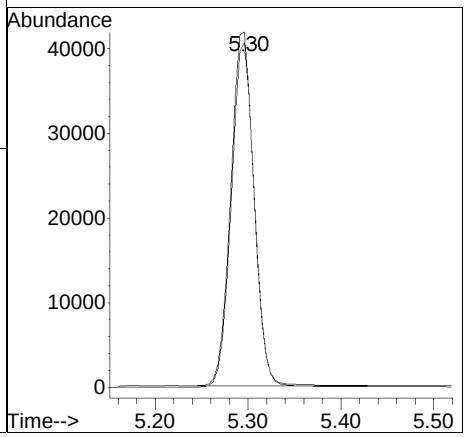


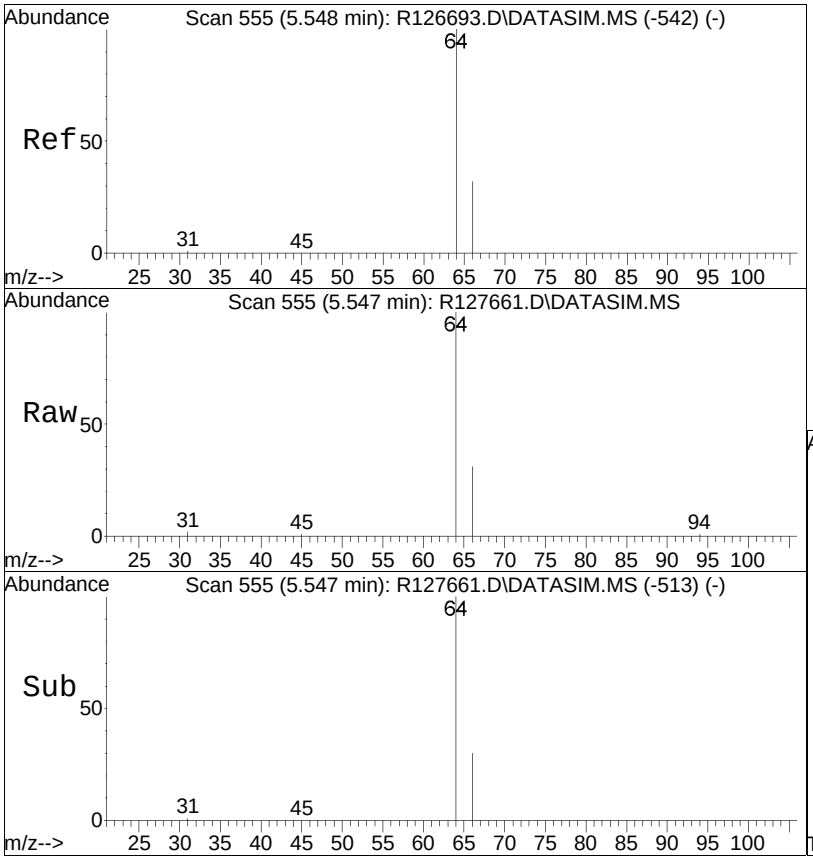


#8
bromomethane
Concen: 5.03 ppbV
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 94 Resp: 72345

Ion	Ratio	Lower	Upper
94	100		
96	96.9	76.9	115.3

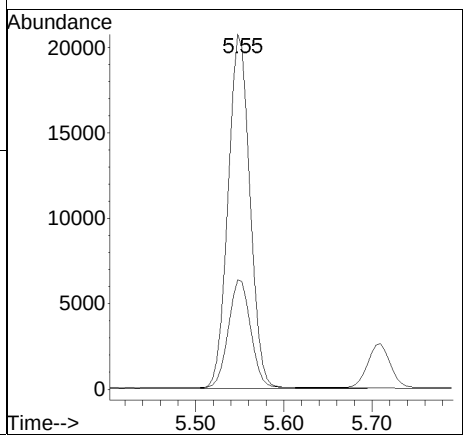


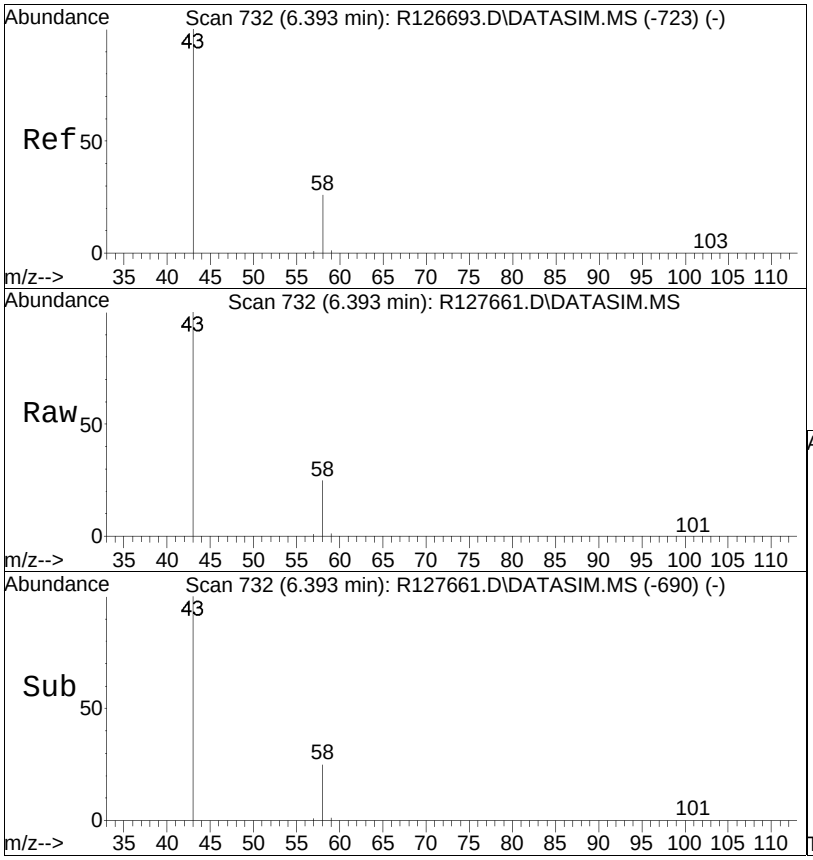


#9
chloroethane
Concen: 4.96 ppbV
RT: 5.55 min Scan# 555
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 64 Resp: 35663

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.5	38.3

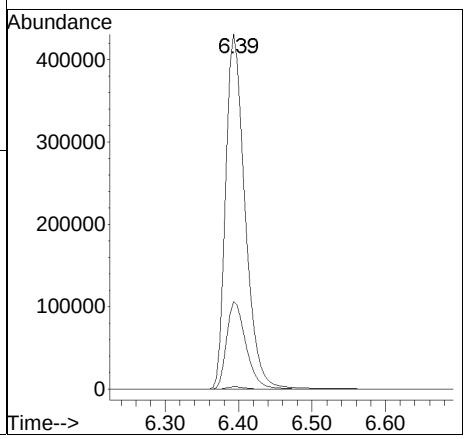


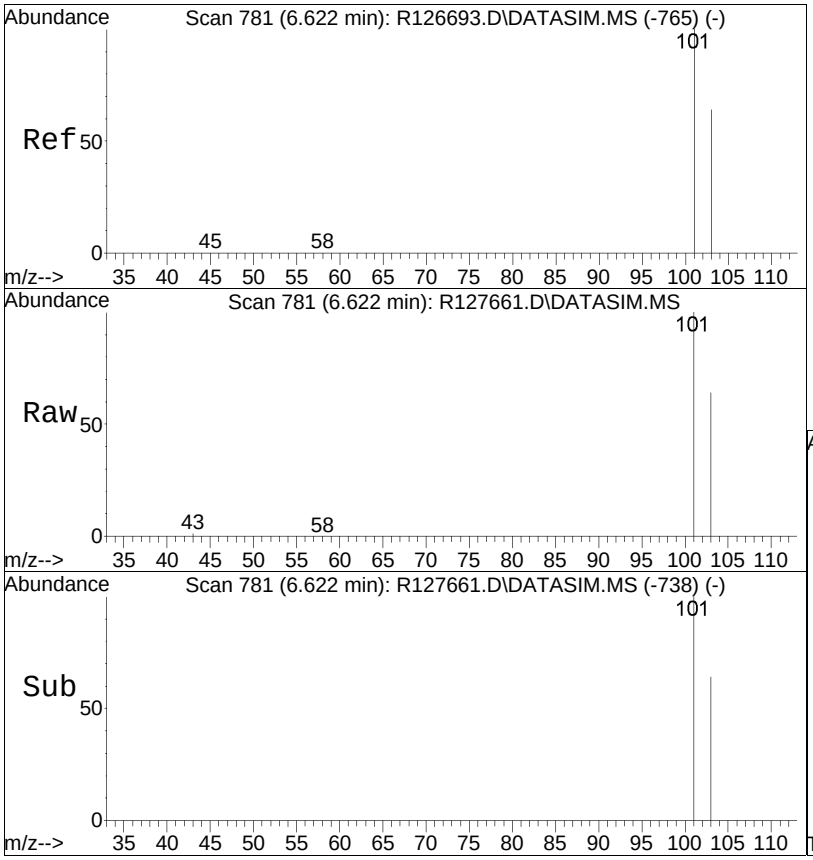


#12
acetone
Concen: 26.38 ppbV
RT: 6.39 min Scan# 732
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 43 Resp: 792144

Ion	Ratio	Lower	Upper
43	100		
58	24.7	20.0	30.0
57	0.7	0.6	1.0

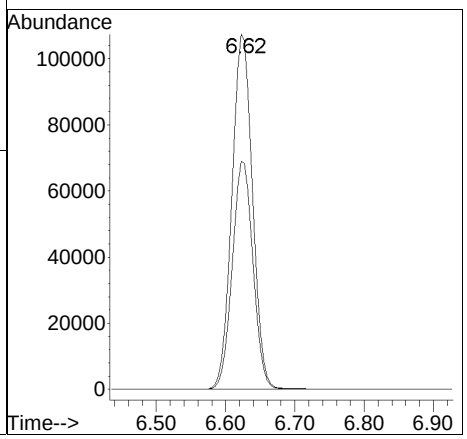


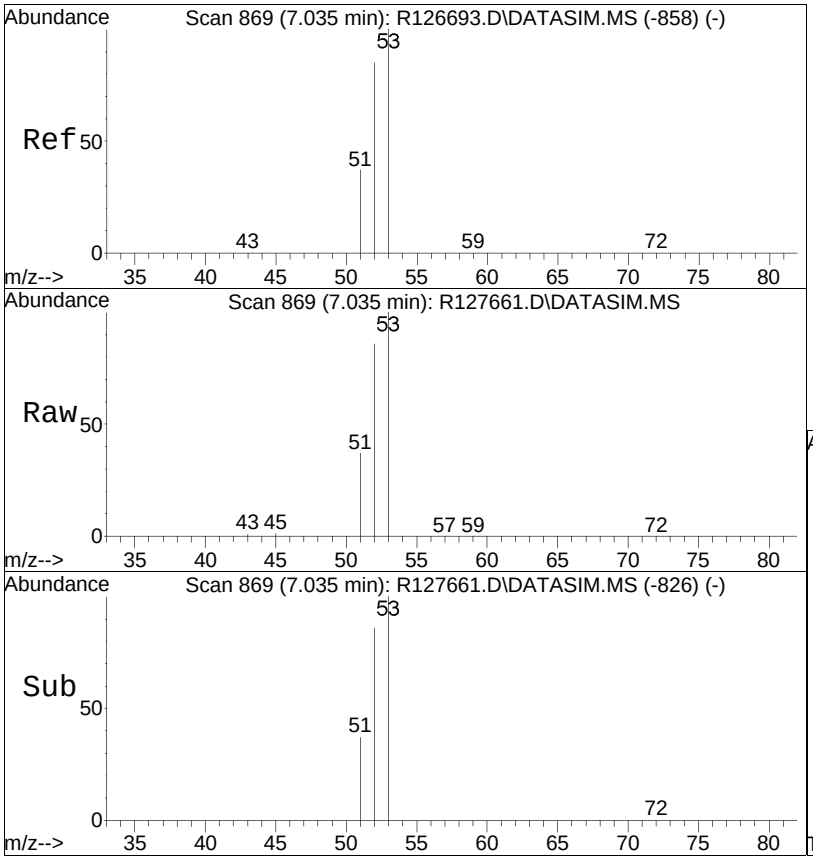


#13
trichlorofluoromethane
Concen: 5.14 ppbV
RT: 6.62 min Scan# 781
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:101 Resp: 221870

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

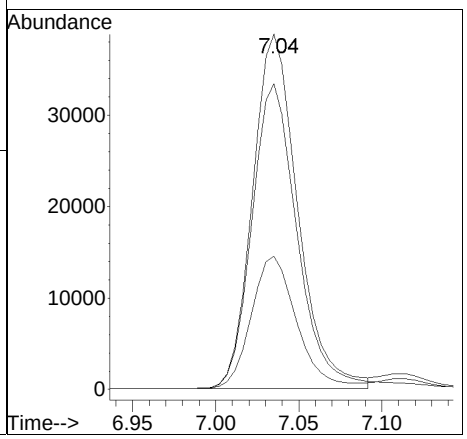


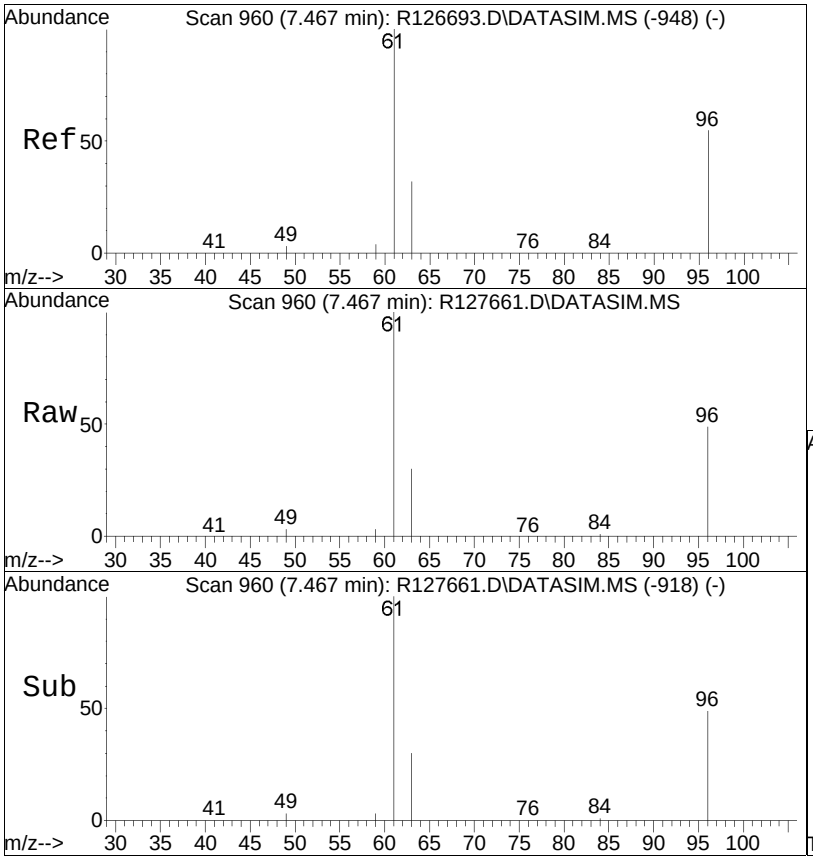


#15
acrylonitrile
Concen: 5.02 ppbV
RT: 7.04 min Scan# 869
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 53 Resp: 73350

Ion	Ratio	Lower	Upper
53	100		
52	86.0	68.5	102.7
51	37.5	30.1	45.1

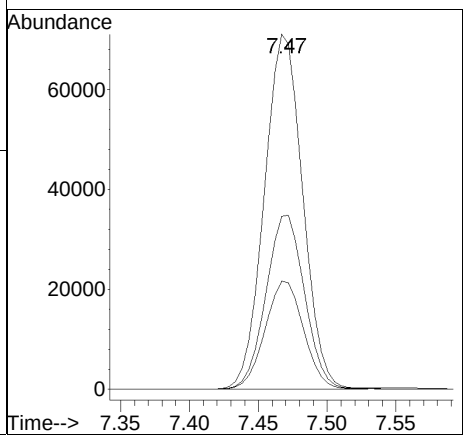


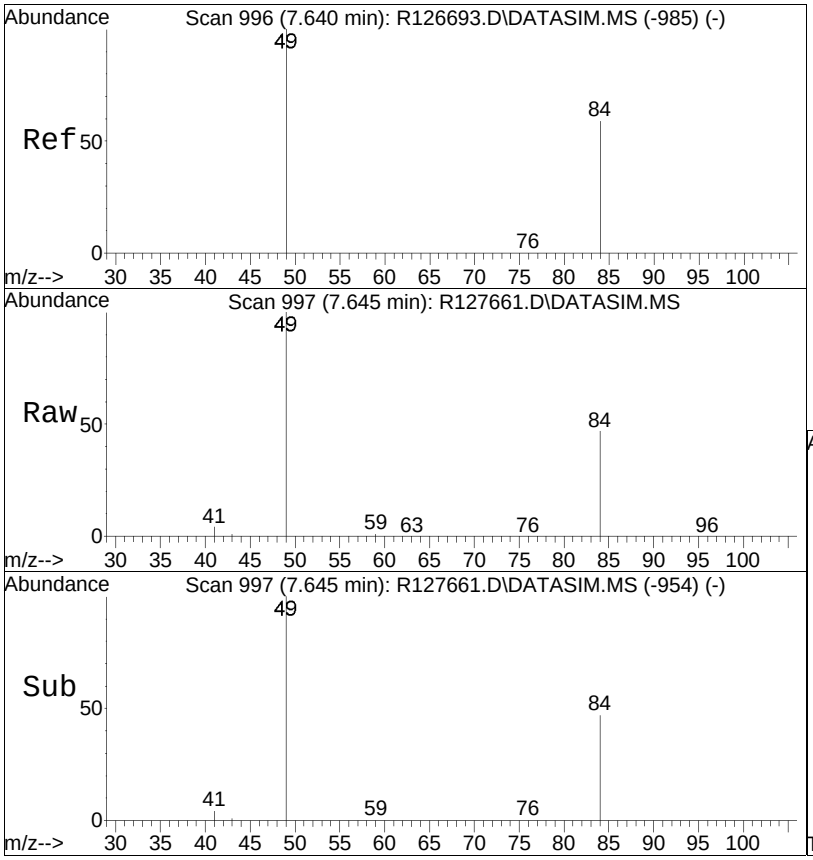


#16
1,1-dichloroethene
Concen: 5.12 ppbV
RT: 7.47 min Scan# 960
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 61 Resp: 137637

Ion	Ratio	Lower	Upper
61	100		
96	48.7	39.4	59.2
63	30.5	24.4	36.6

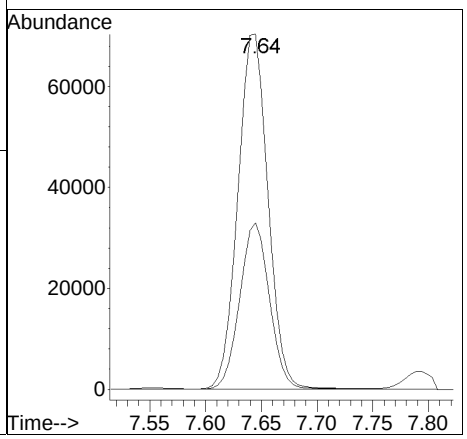


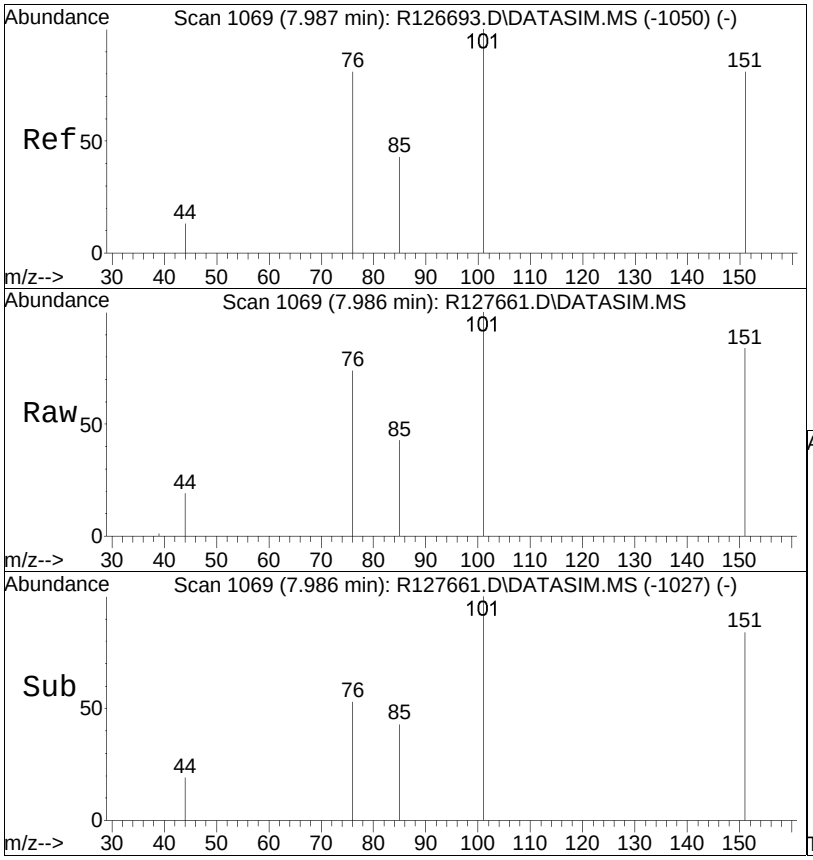


#17
methylene chloride
Concen: 5.27 ppbV m
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 49 Resp: 132169

Ion	Ratio	Lower	Upper
49	100		
84	46.9	37.2	55.8

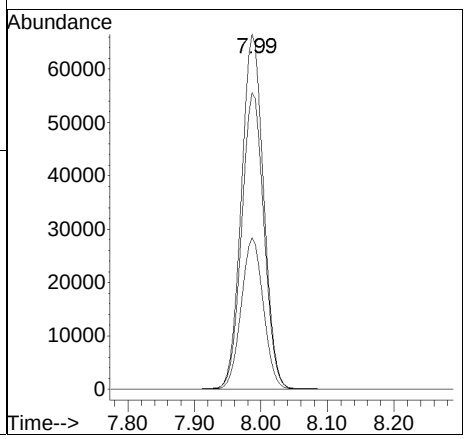


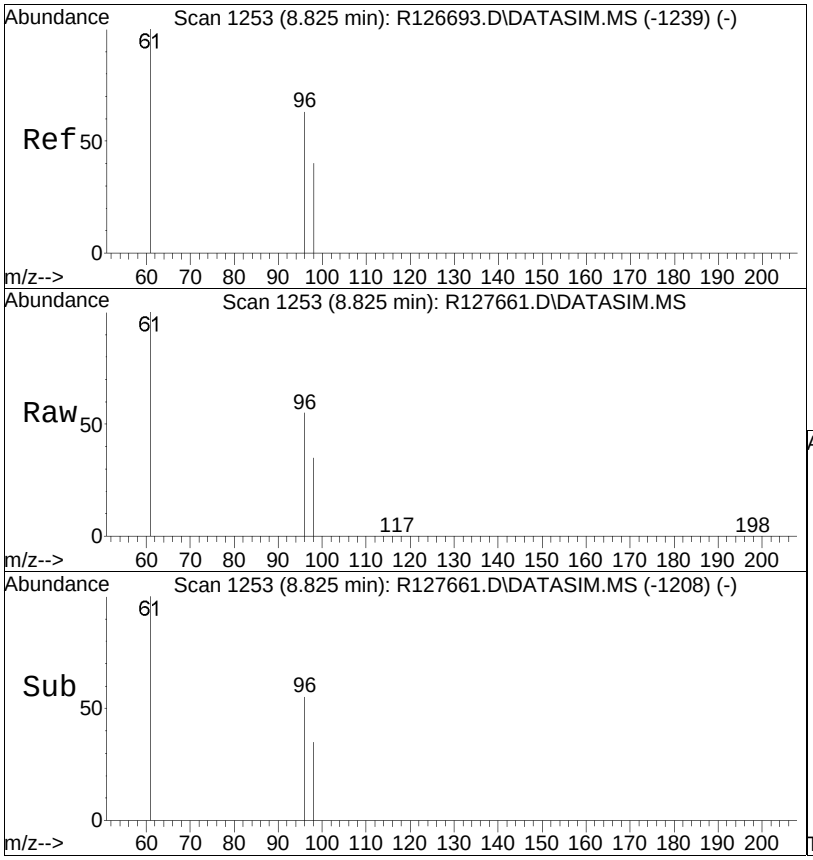


#20
Freon 113
Concen: 5.16 ppbV
RT: 7.99 min Scan# 1069
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:101 Resp: 154712

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.2	51.2
151	83.5	67.8	101.8

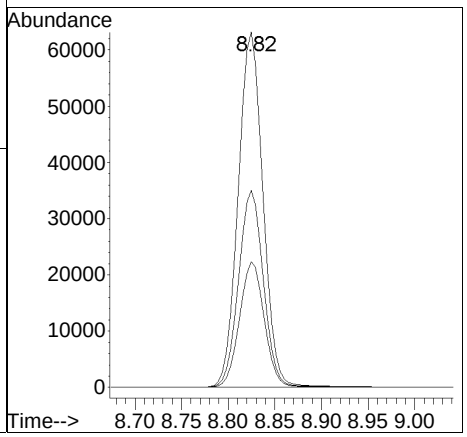


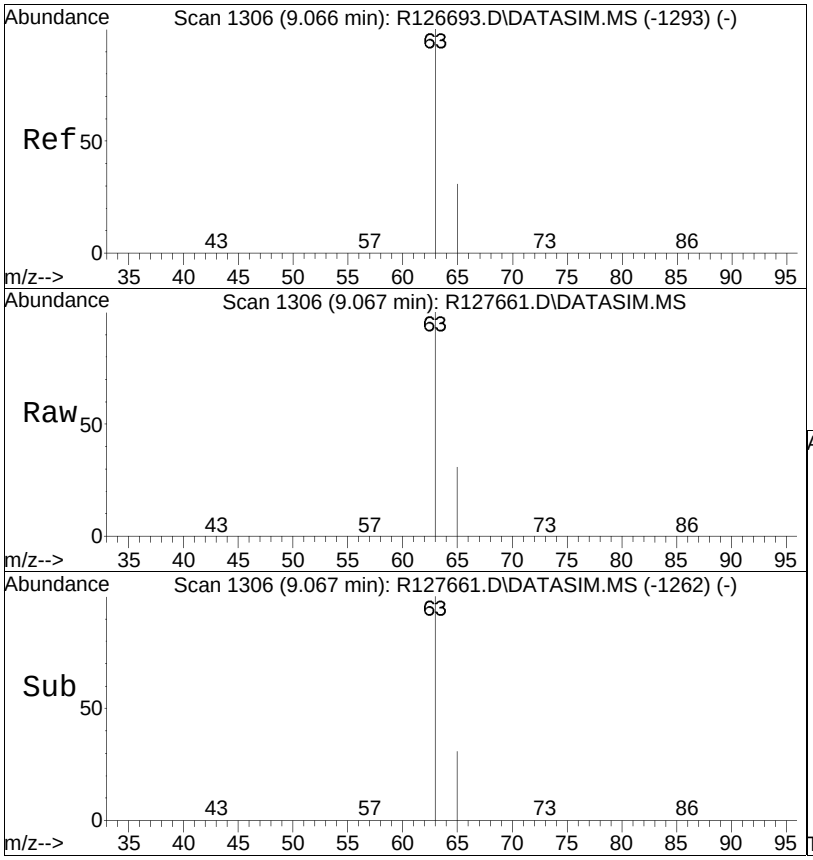


#22
trans-1,2-dichloroethene
Concen: 4.50 ppbV m
RT: 8.82 min Scan# 1253
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 61 Resp: 116871

Ion	Ratio	Lower	Upper
61	100		
96	55.4	44.6	67.0
98	35.4	28.6	42.8

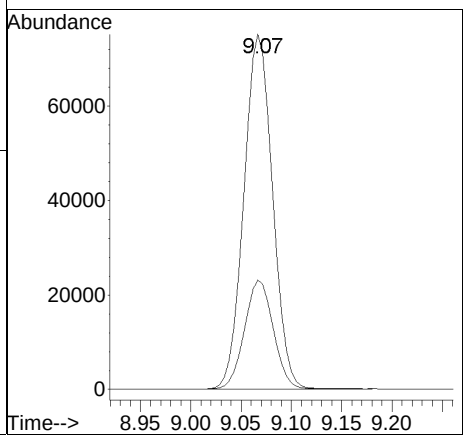


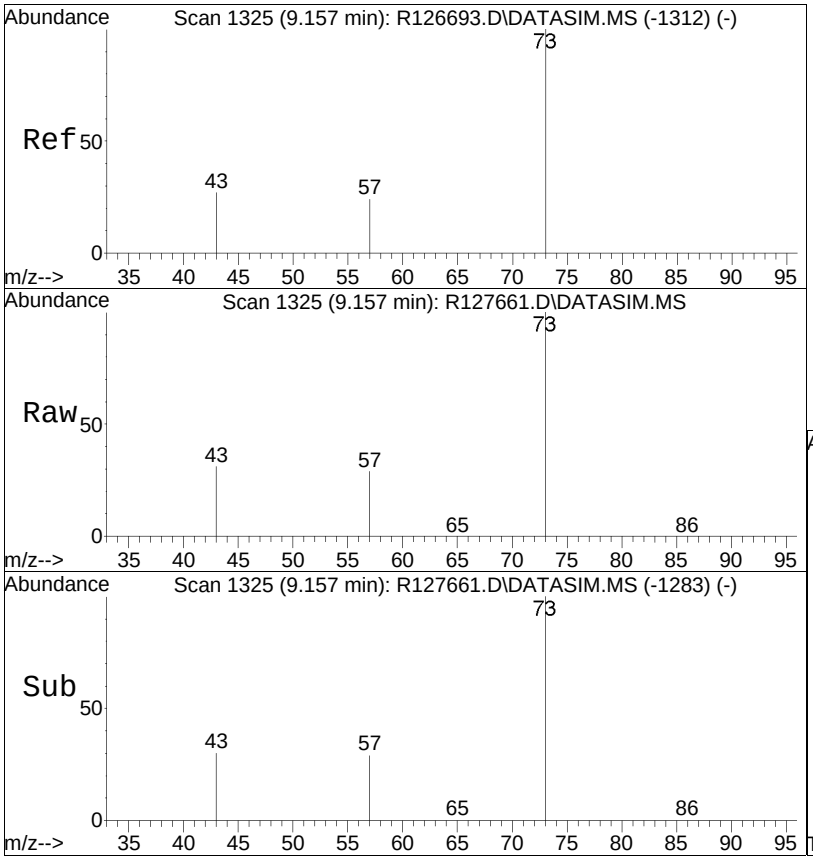


#23
1,1-dichloroethane
Concen: 4.95 ppbV
RT: 9.07 min Scan# 1306
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 63 Resp: 148702

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.4

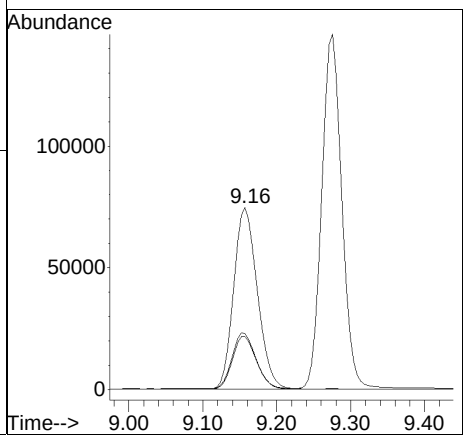


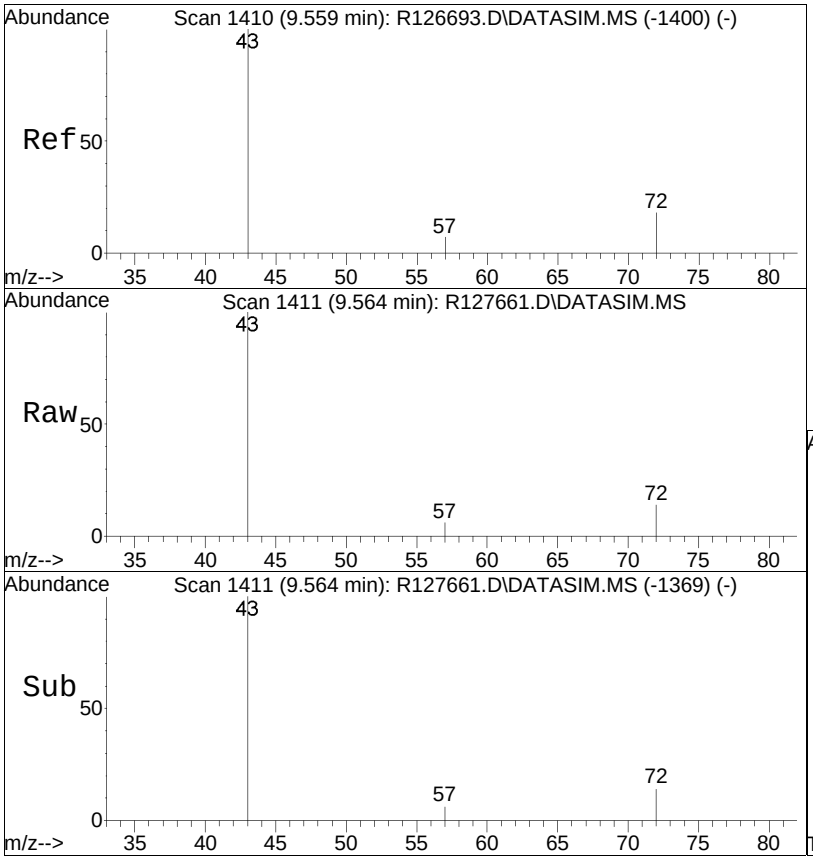


#24
MTBE
Concen: 4.58 ppbV
RT: 9.16 min Scan# 1325
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 73 Resp: 166710

Ion	Ratio	Lower	Upper
73	100		
57	29.1	23.3	34.9
43	30.7	25.1	37.7

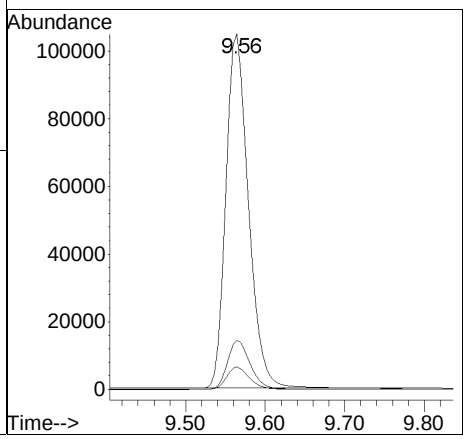


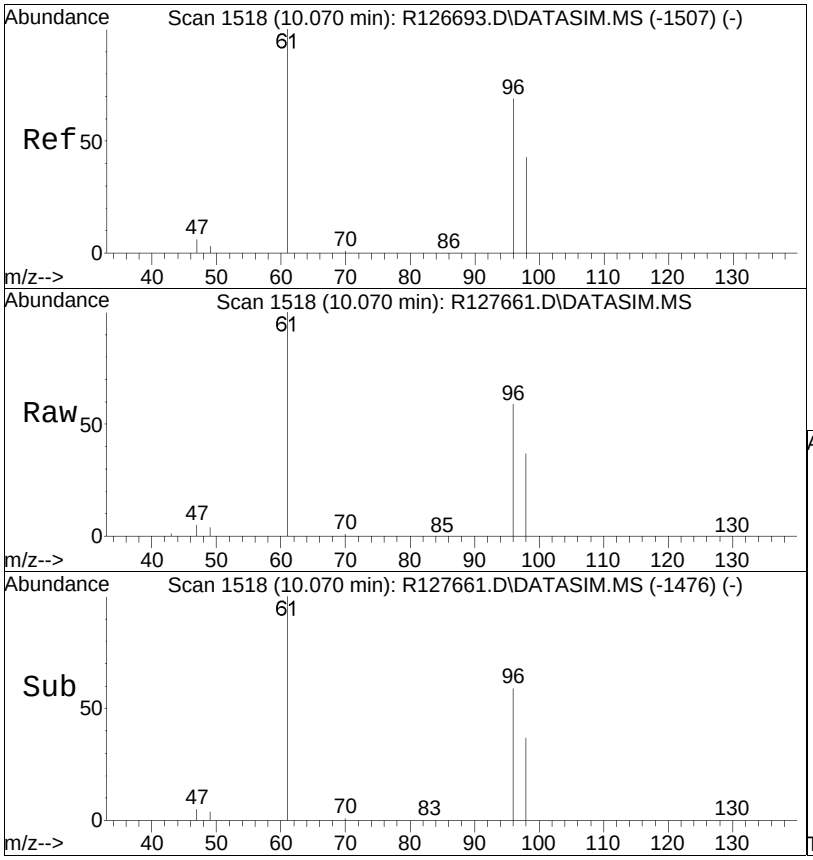


#26
2-butanone
Concen: 4.39 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 43 Resp: 206423

Ion	Ratio	Lower	Upper
43	100		
72	13.9	12.0	18.0
57	6.4	5.2	7.8

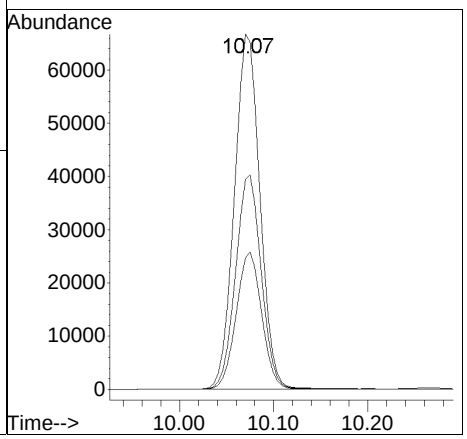


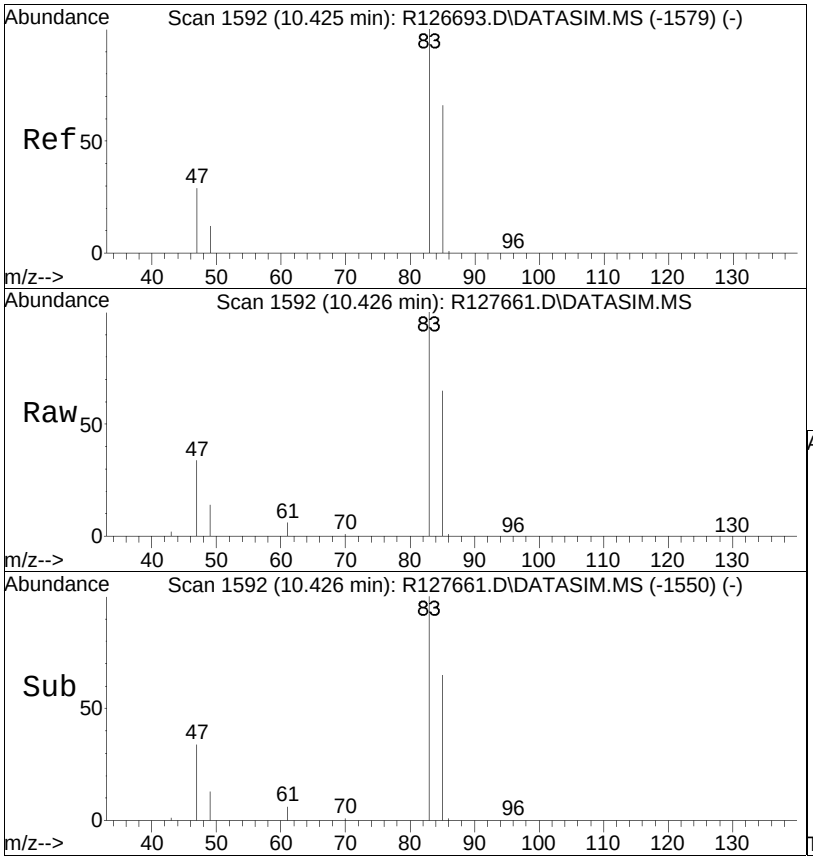


#27
cis-1,2-dichloroethene
Concen: 4.89 ppbV
RT: 10.07 min Scan# 1518
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 61 Resp: 125703

Ion	Ratio	Lower	Upper
61	100		
96	59.2	49.8	74.6
98	37.1	31.3	46.9

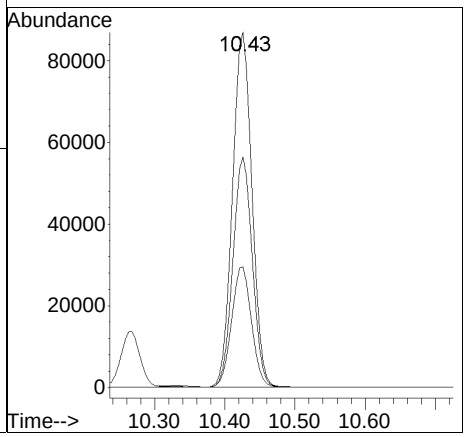


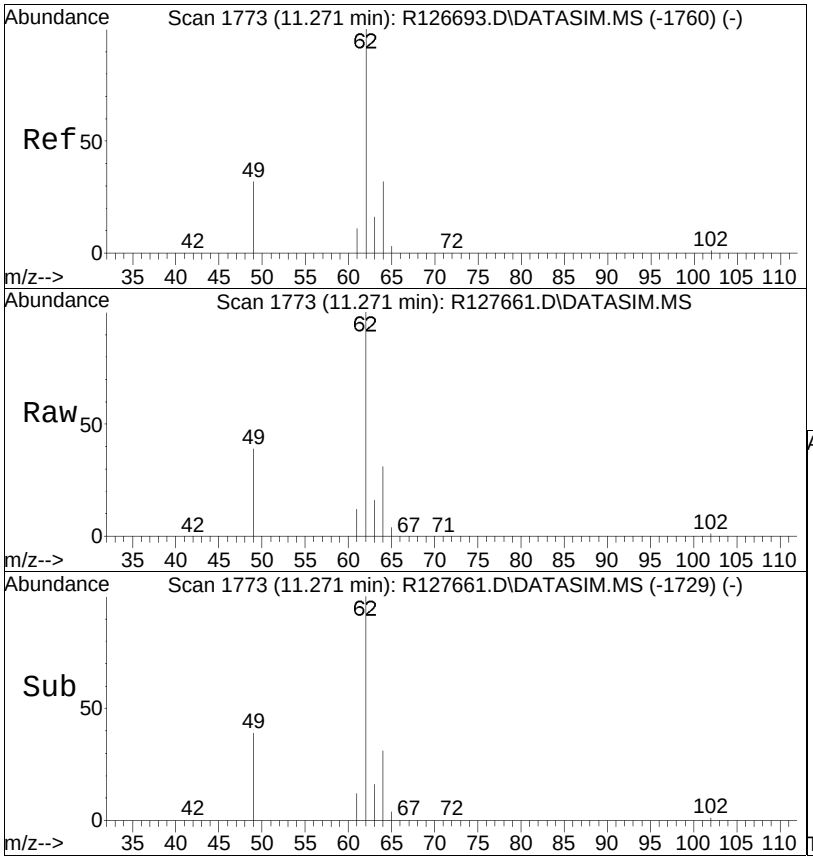


#29
chloroform
Concen: 5.18 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 83 Resp: 168060

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2
47	33.9	26.4	39.6

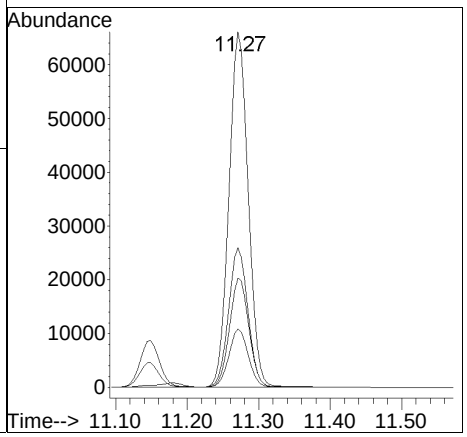


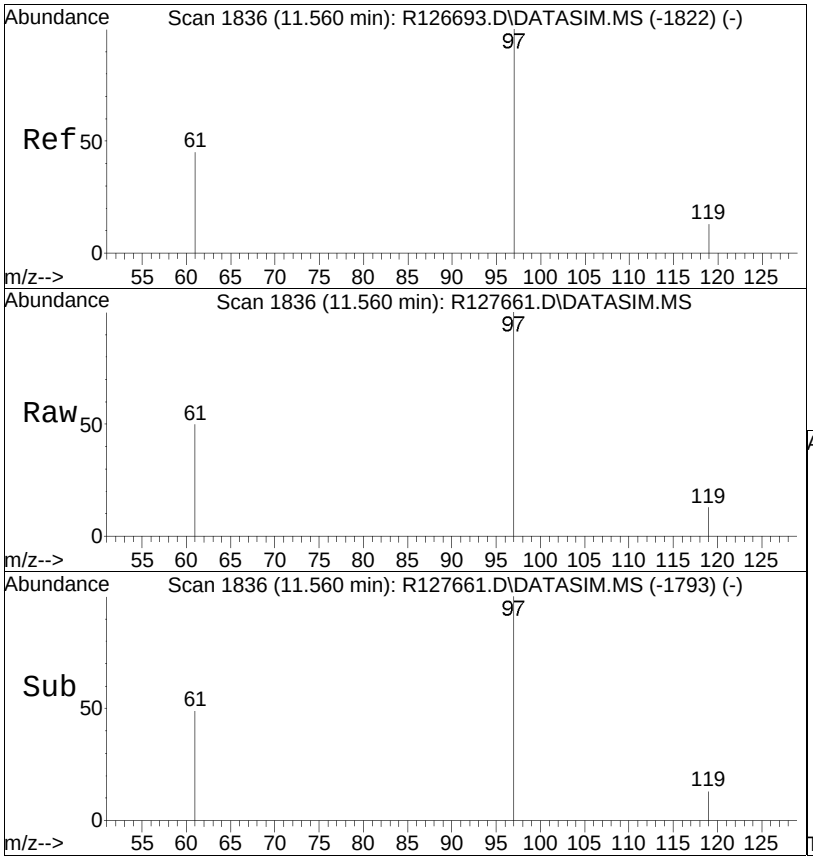


#31
1,2-dichloroethane
Concen: 5.03 ppbV
RT: 11.27 min Scan# 1773
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 62 Resp: 123378

Ion	Ratio	Lower	Upper
62	100		
64	30.8	25.0	37.6
49	39.2	31.2	46.8
63	16.4	13.3	19.9

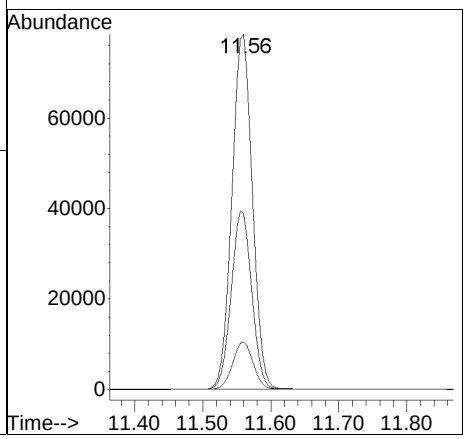


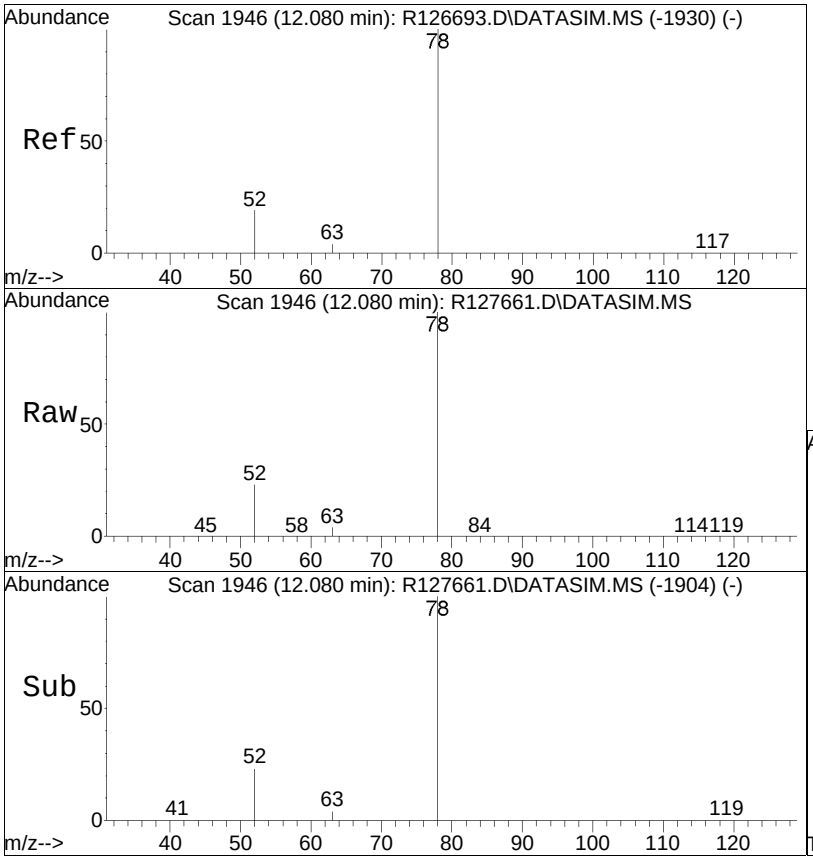


#35
1,1,1-trichloroethane
Concen: 5.38 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 97 Resp: 163799

Ion	Ratio	Lower	Upper
97	100		
61	49.6	38.6	58.0
119	13.4	11.0	16.6

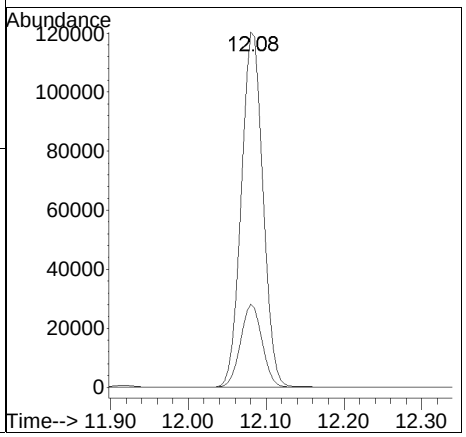


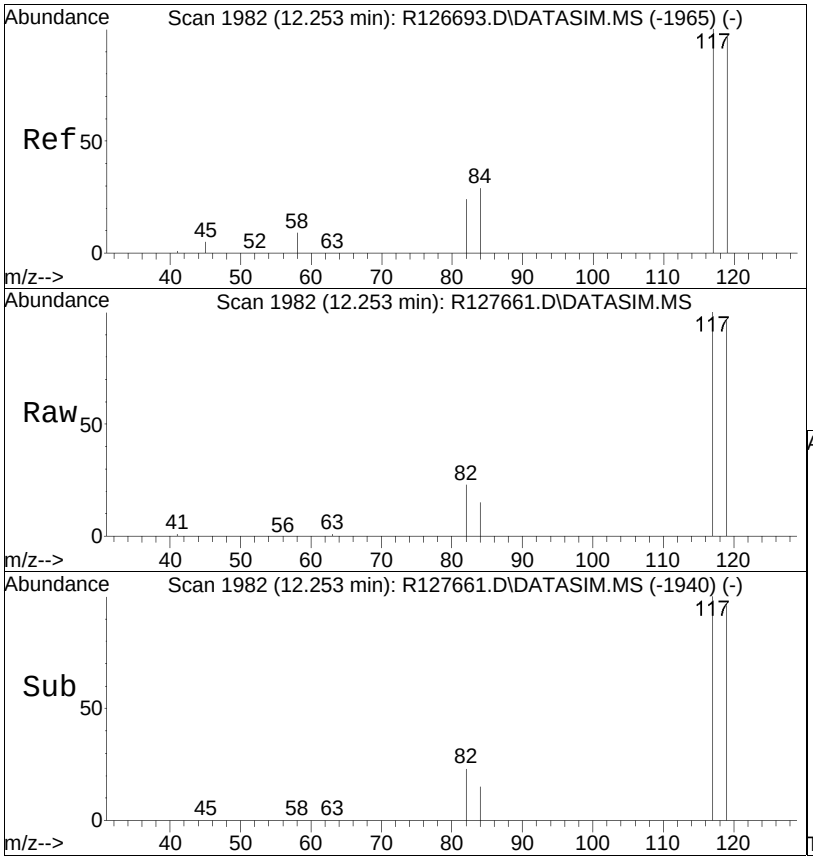


#36
benzene
Concen: 5.17 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 78 Resp: 232567

Ion	Ratio	Lower	Upper
78	100		
52	23.5	18.5	27.7

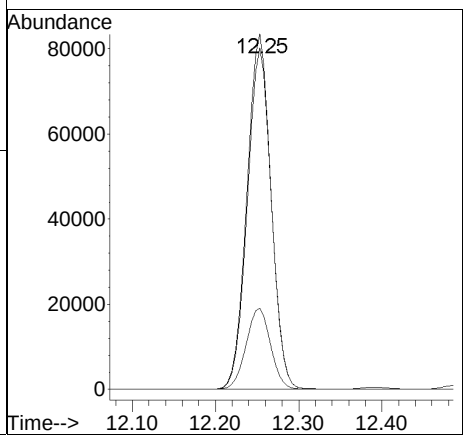


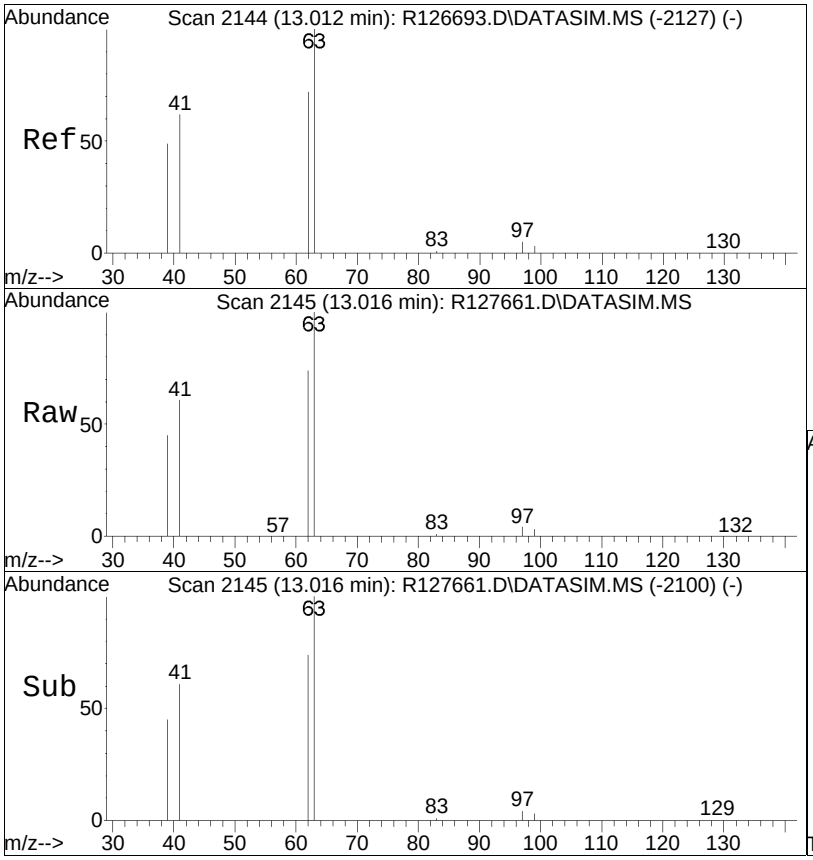


#37
carbon tetrachloride
Concen: 5.02 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:117 Resp: 167712

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
82	22.9	18.2	27.2

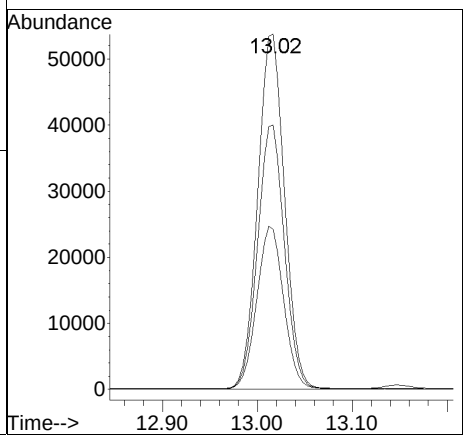


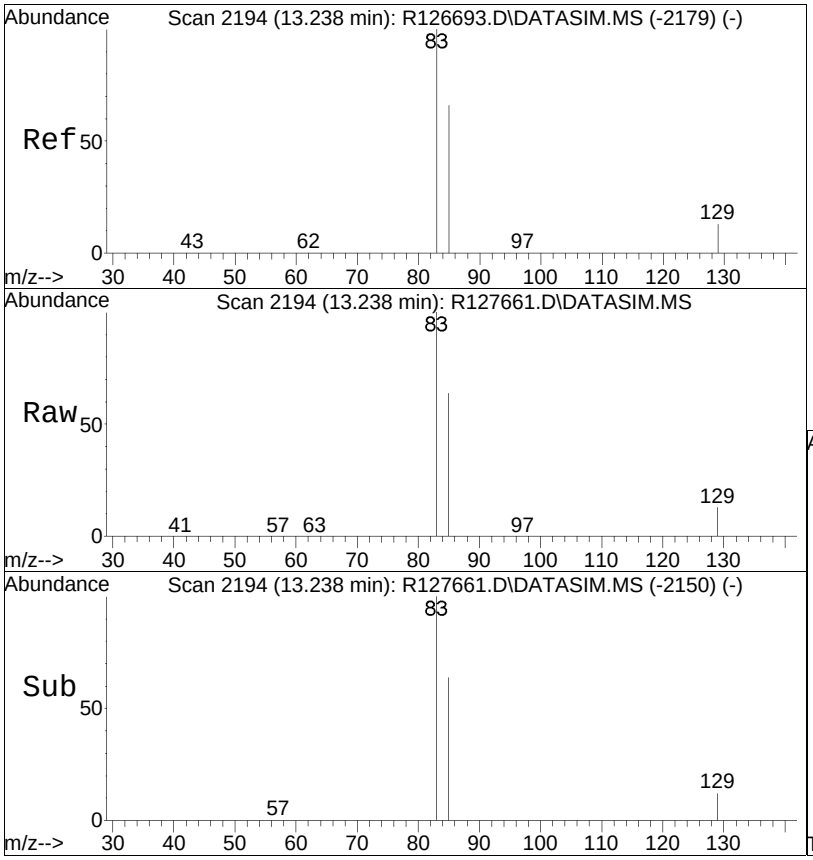


#39
1,2-dichloropropane
Concen: 5.34 ppbV
RT: 13.02 min Scan# 2145
Delta R.T. 0.004 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 63 Resp: 105589

Ion	Ratio	Lower	Upper
63	100		
62	74.4	59.4	89.2
39	45.1	35.9	53.9

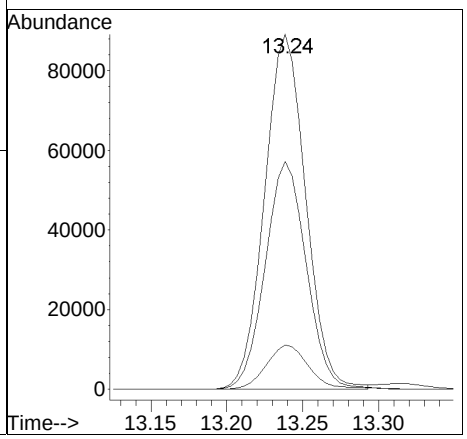


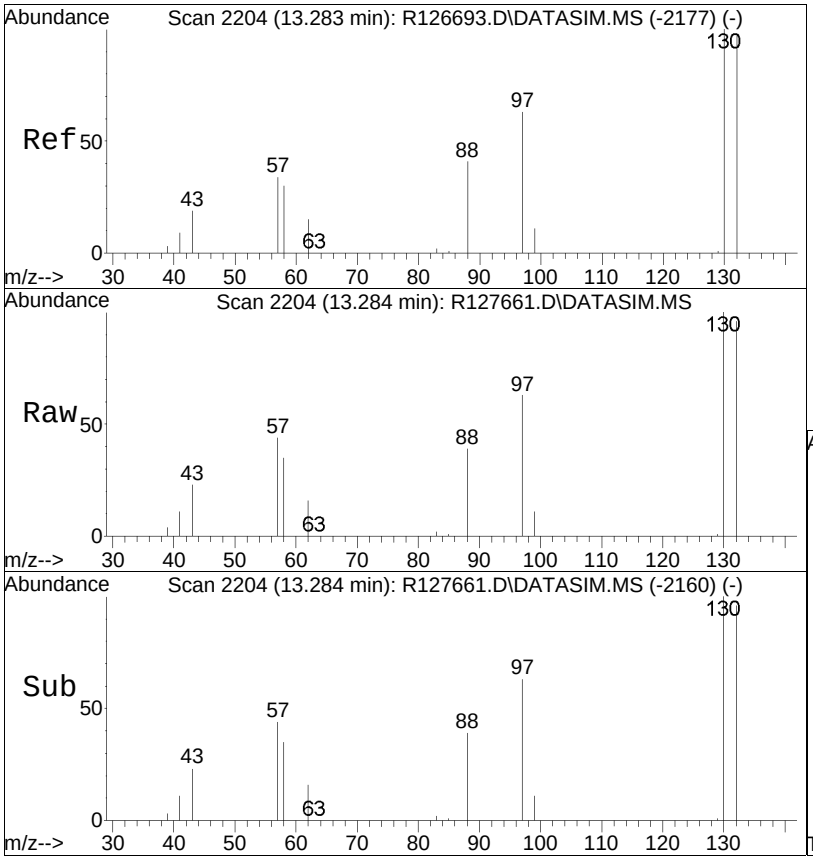


#40
bromodichloromethane
Concen: 4.91 ppbV
RT: 13.24 min Scan# 2194
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 83 Resp: 167744

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6
129	12.5	10.2	15.2

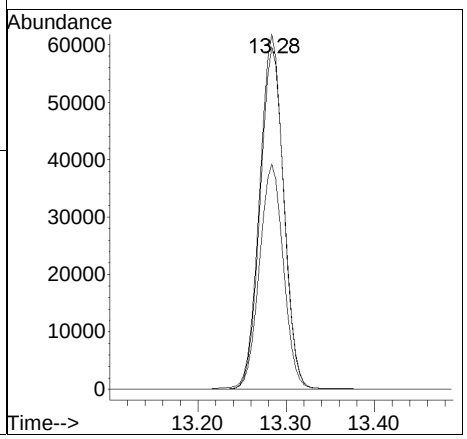


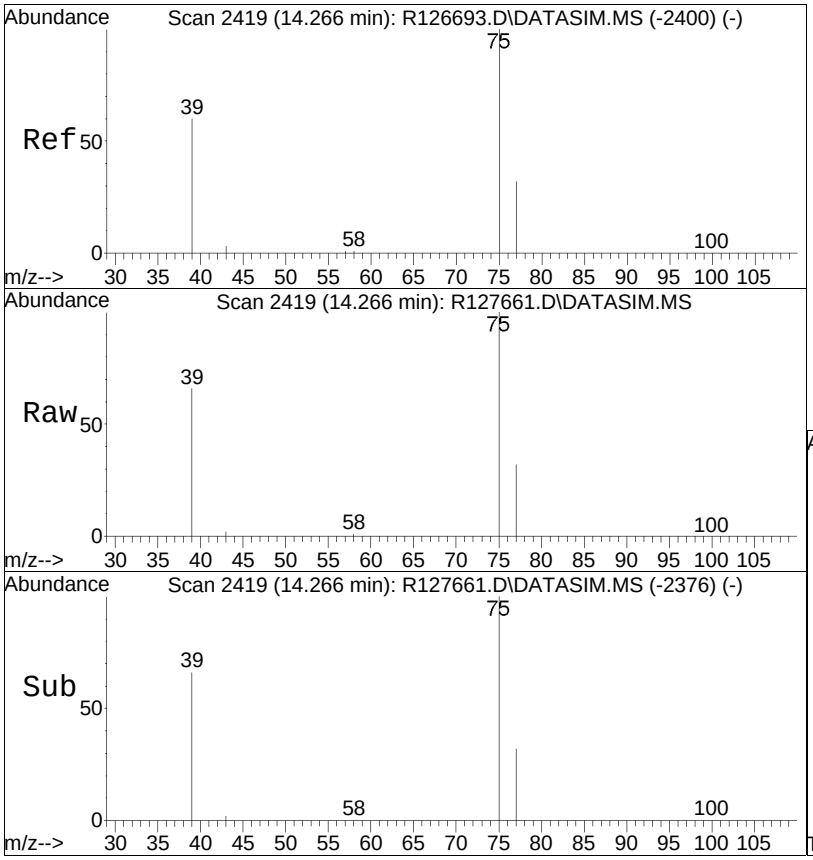


#42
trichloroethene
Concen: 5.30 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:130 Resp: 116462

Ion	Ratio	Lower	Upper
130	100		
132	96.4	77.3	115.9
97	63.4	50.6	75.8

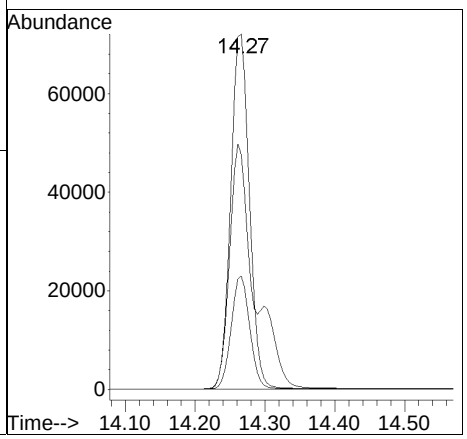


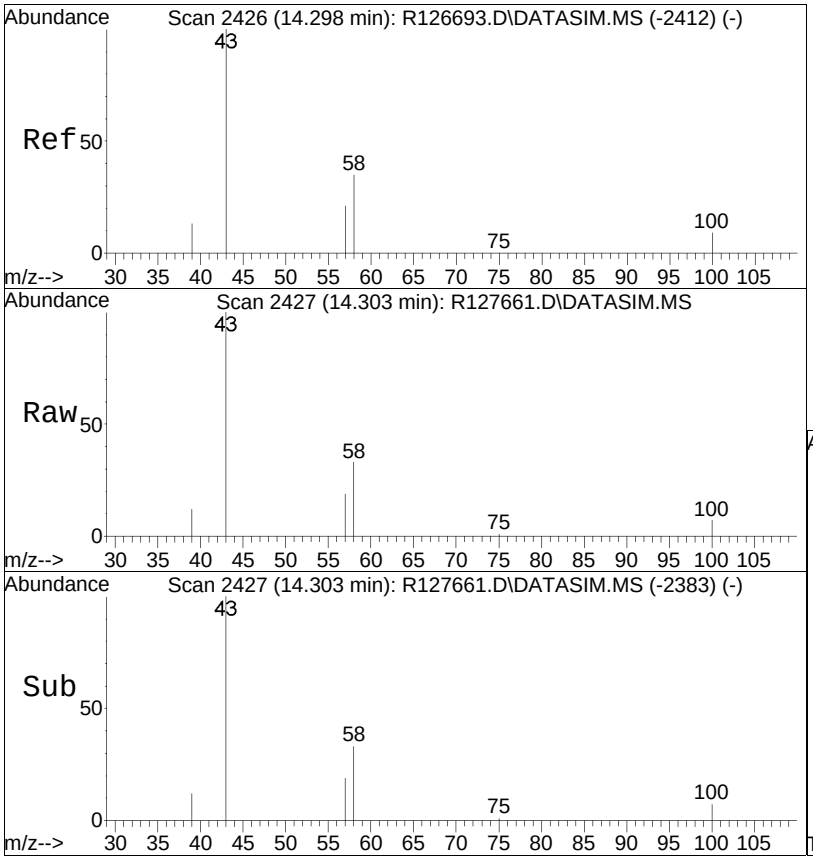


#45
cis-1,3-dichloropropene
Concen: 5.45 ppbV
RT: 14.27 min Scan# 2419
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 75 Resp: 134553

Ion	Ratio	Lower	Upper
75	100		
39	66.1	52.2	78.4
77	31.9	25.5	38.3

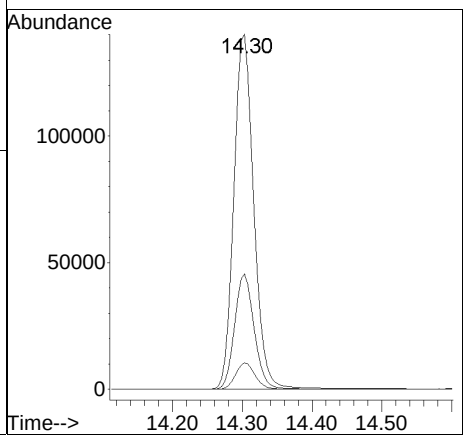


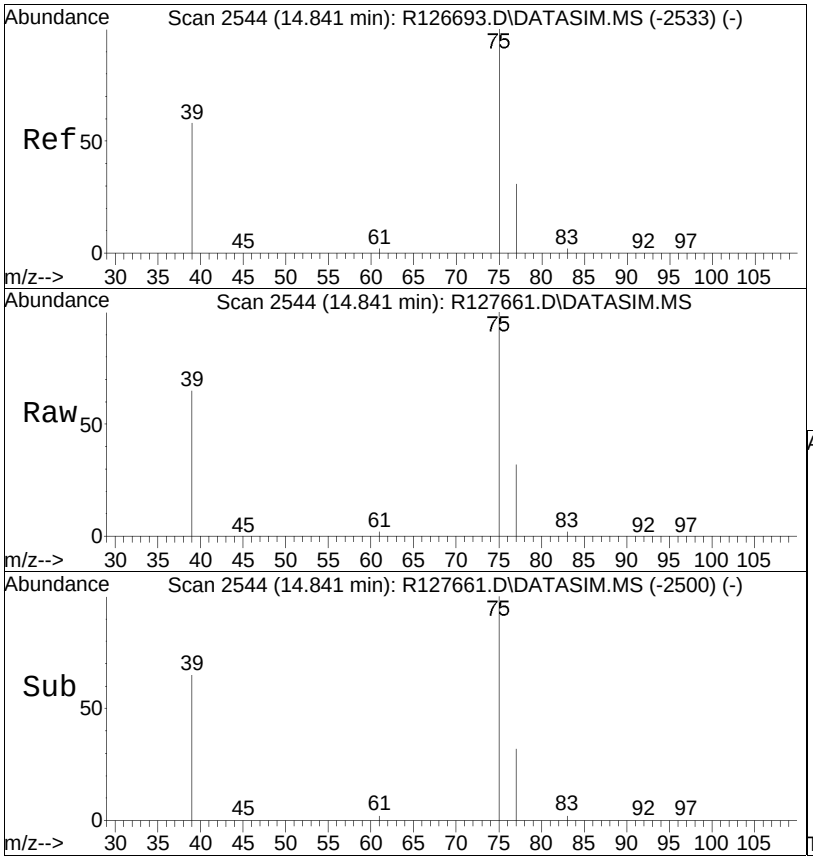


#46
4-methyl-2-pentanone
Concen: 5.44 ppbV
RT: 14.30 min Scan# 2427
Delta R.T. 0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 43 Resp: 277619

Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.0	39.0
100	7.5	5.8	8.6

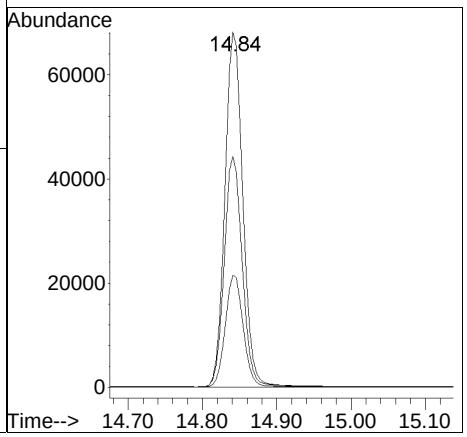


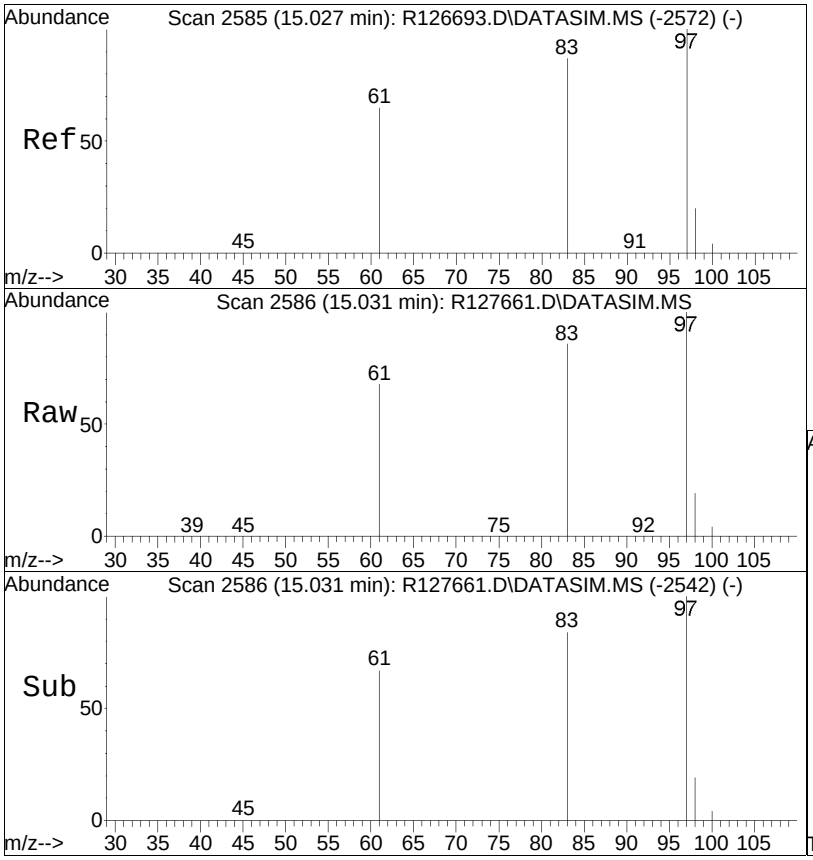


#47
trans-1,3-dichloropropene
Concen: 4.65 ppbV
RT: 14.84 min Scan# 2544
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 75 Resp: 114890

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	65.0	51.4	77.2

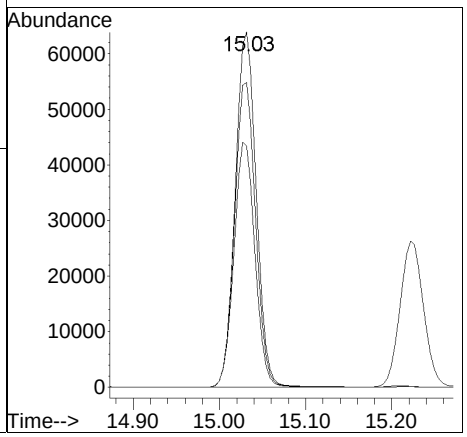


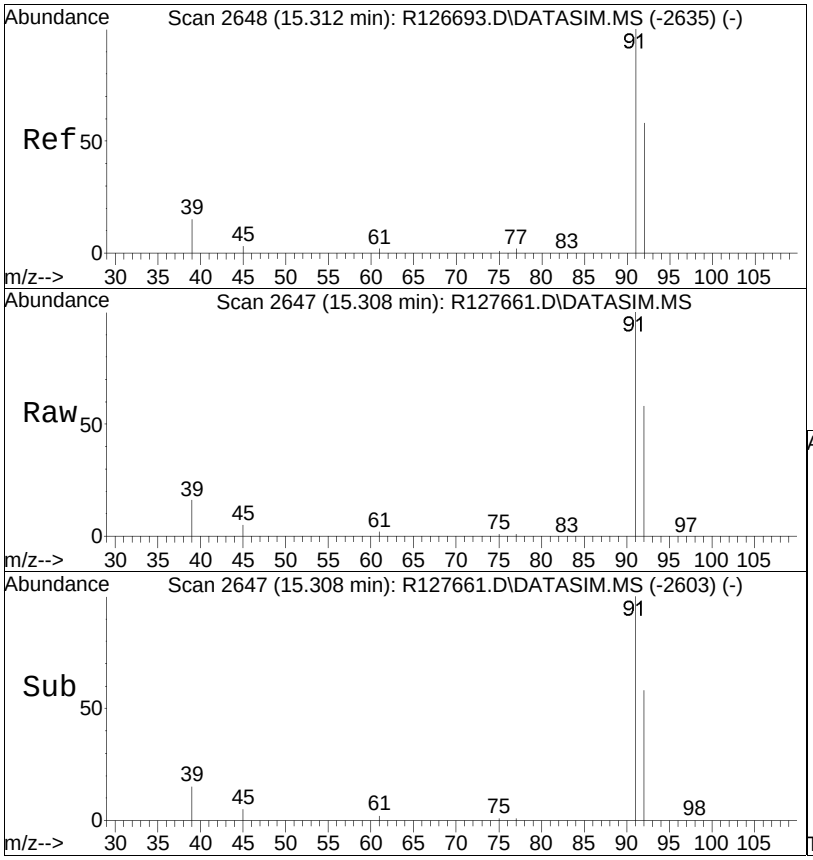


#48
1,1,2-trichloroethane
Concen: 5.63 ppbV
RT: 15.03 min Scan# 2586
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 97 Resp: 108279

Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.3	102.5
61	67.9	52.6	79.0

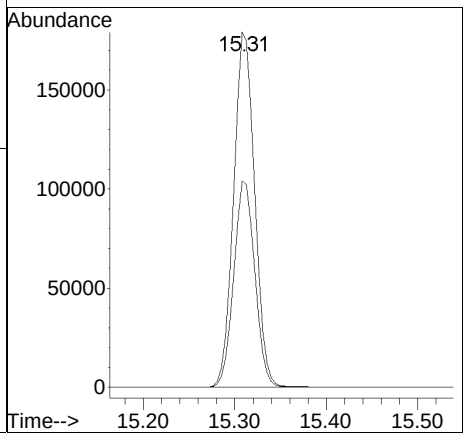


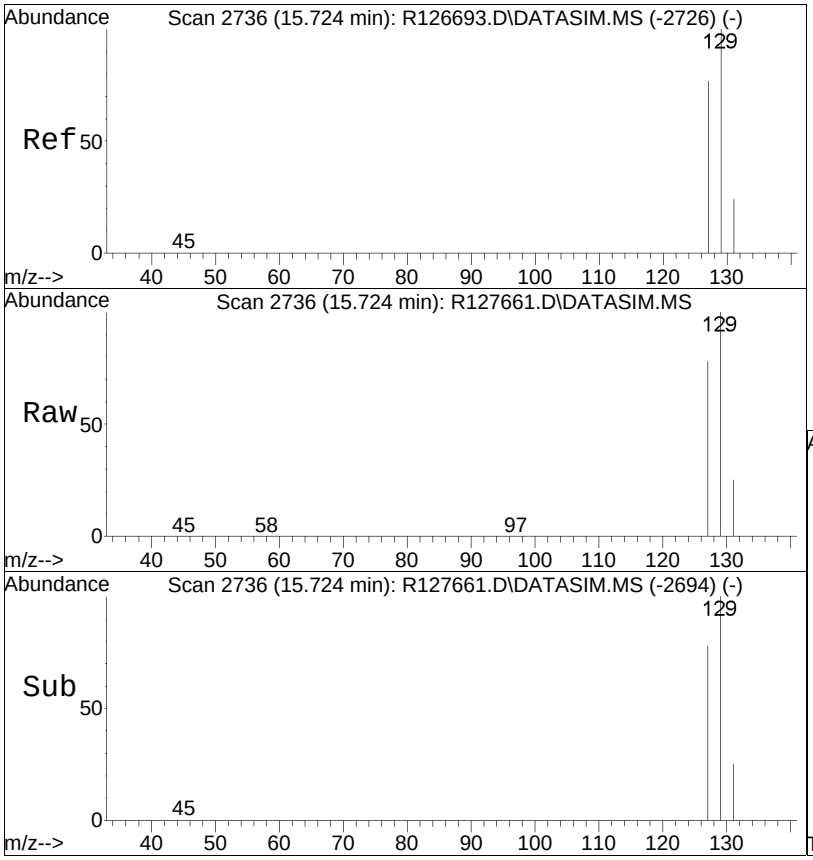


#50
toluene
Concen: 5.12 ppbV m
RT: 15.31 min Scan# 2647
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 91 Resp: 286359

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.4	69.6

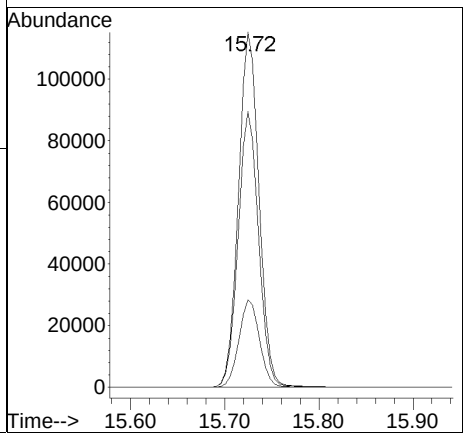


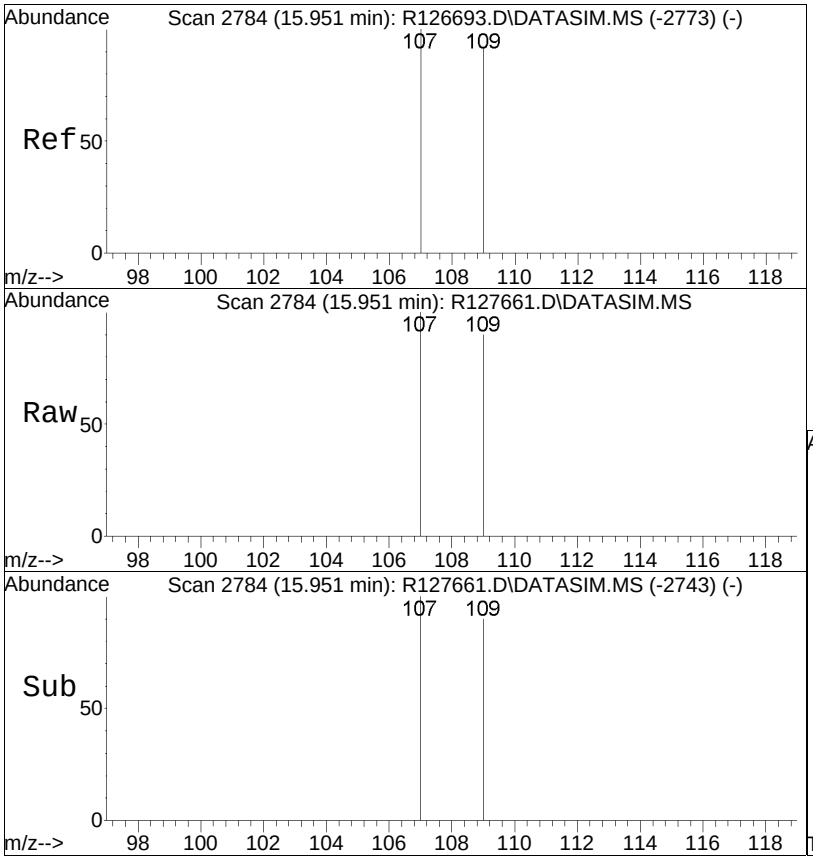


#53
dibromochloromethane
Concen: 4.36 ppbV m
RT: 15.72 min Scan# 2736
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:129 Resp: 174936

Ion	Ratio	Lower	Upper
129	100		
127	77.7	62.4	93.6
131	24.6	19.8	29.8

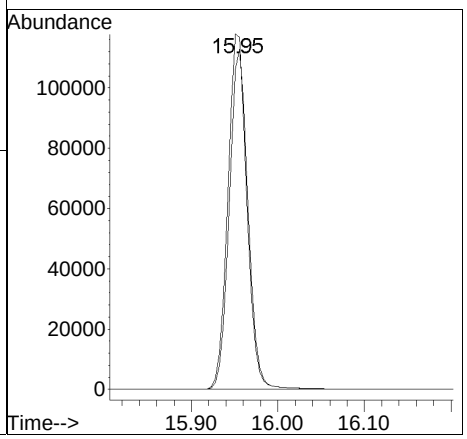


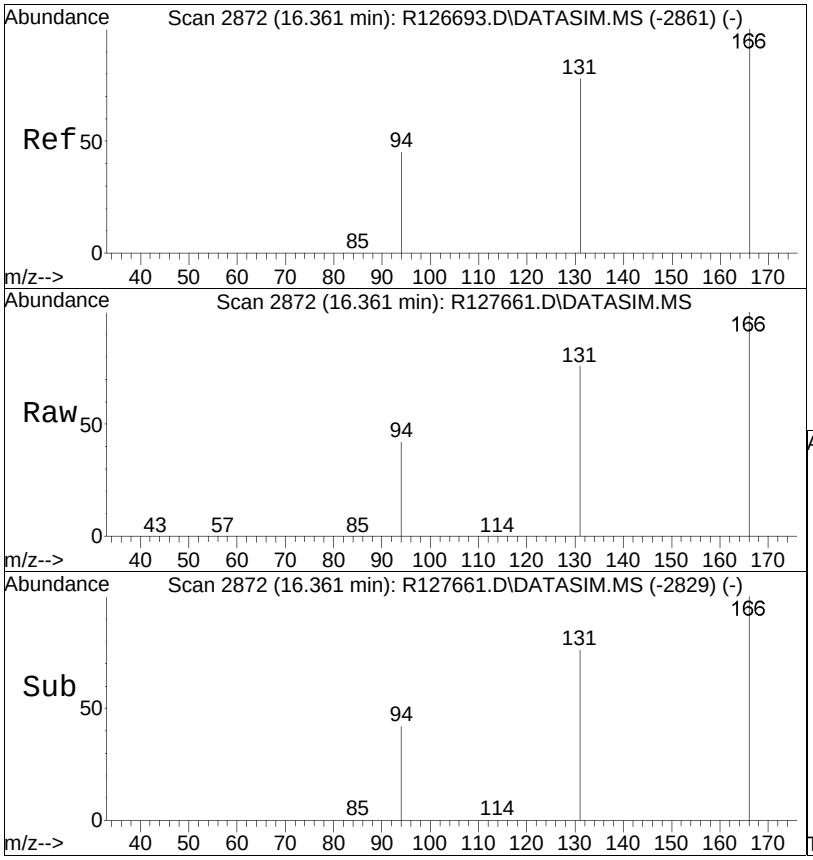


#54
1,2-dibromoethane
Concen: 5.37 ppbV m
RT: 15.95 min Scan# 2784
Delta R.T. -0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:107 Resp: 179999

Ion	Ratio	Lower	Upper
107	100		
109	90.3	77.1	115.7

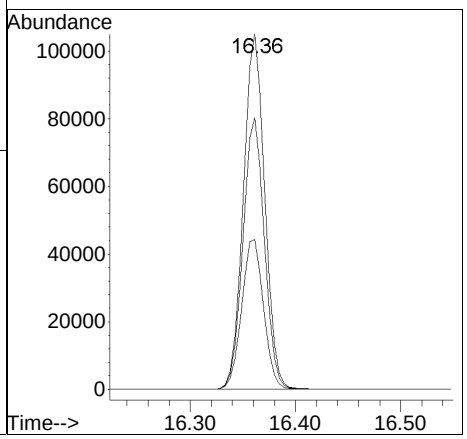


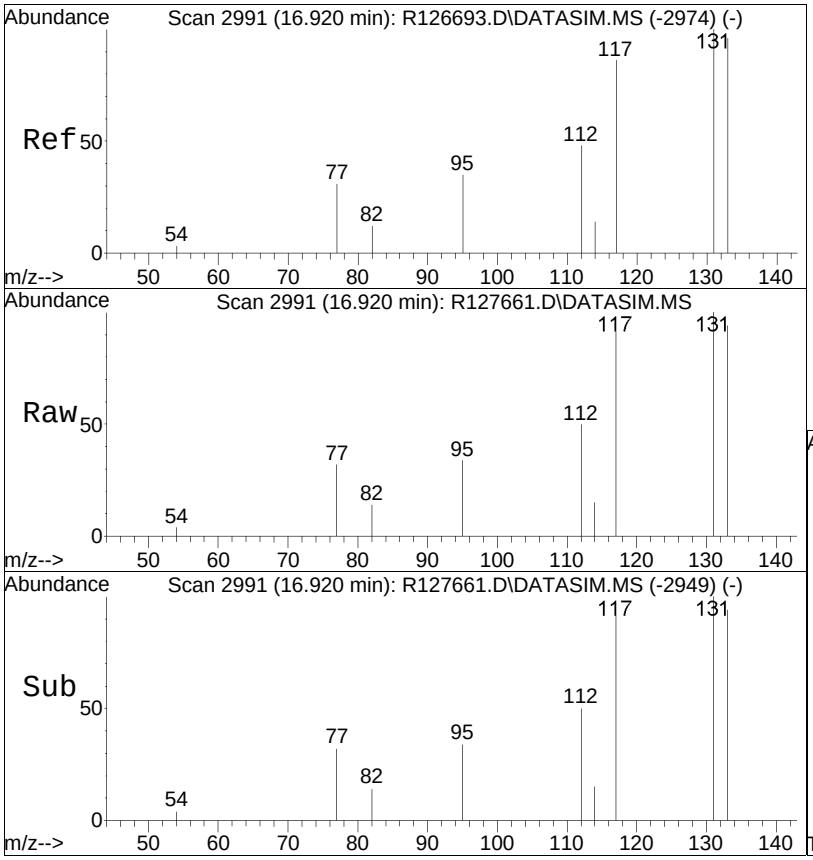


#55
tetrachloroethene
Concen: 5.13 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:166 Resp: 148108

Ion	Ratio	Lower	Upper
166	100		
131	76.4	60.6	90.8
94	42.2	32.2	48.2

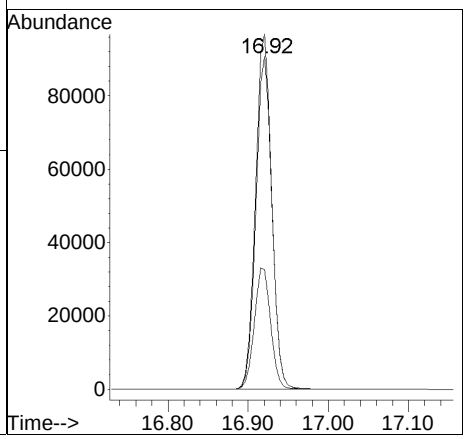


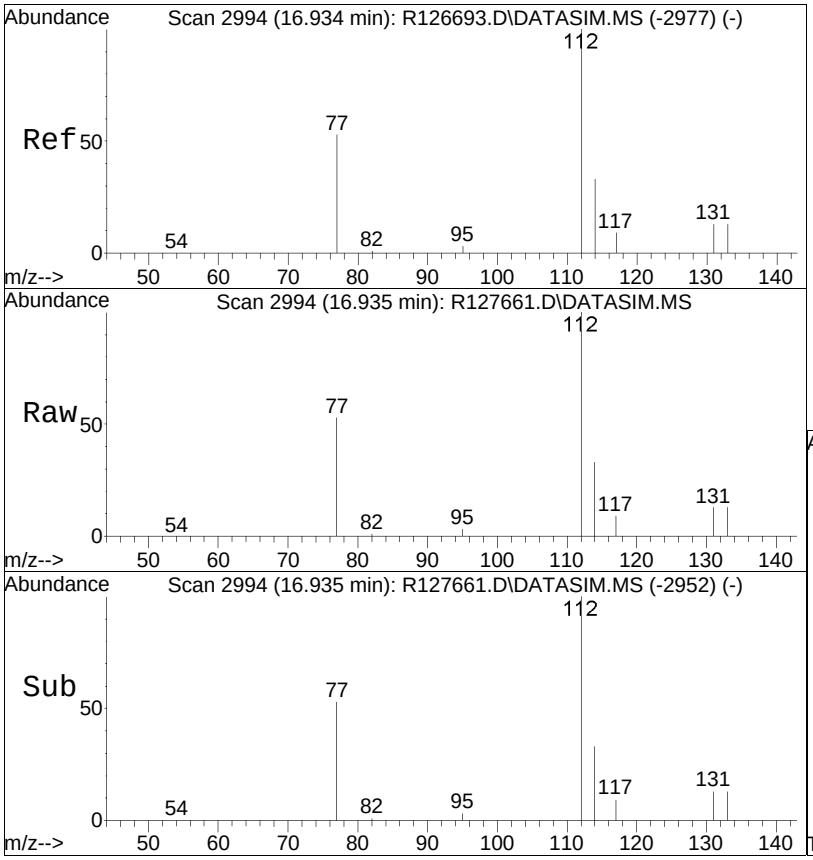


#56
1,1,1,2-tetrachloroethane
Concen: 4.63 ppbV
RT: 16.92 min Scan# 2991
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:131 Resp: 135236

Ion	Ratio	Lower	Upper
131	100		
133	93.7	75.1	112.7
95	33.7	26.4	39.6

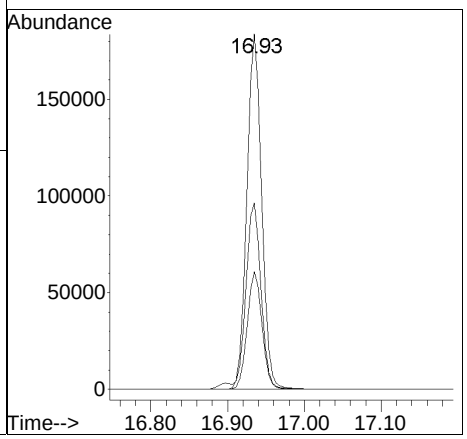


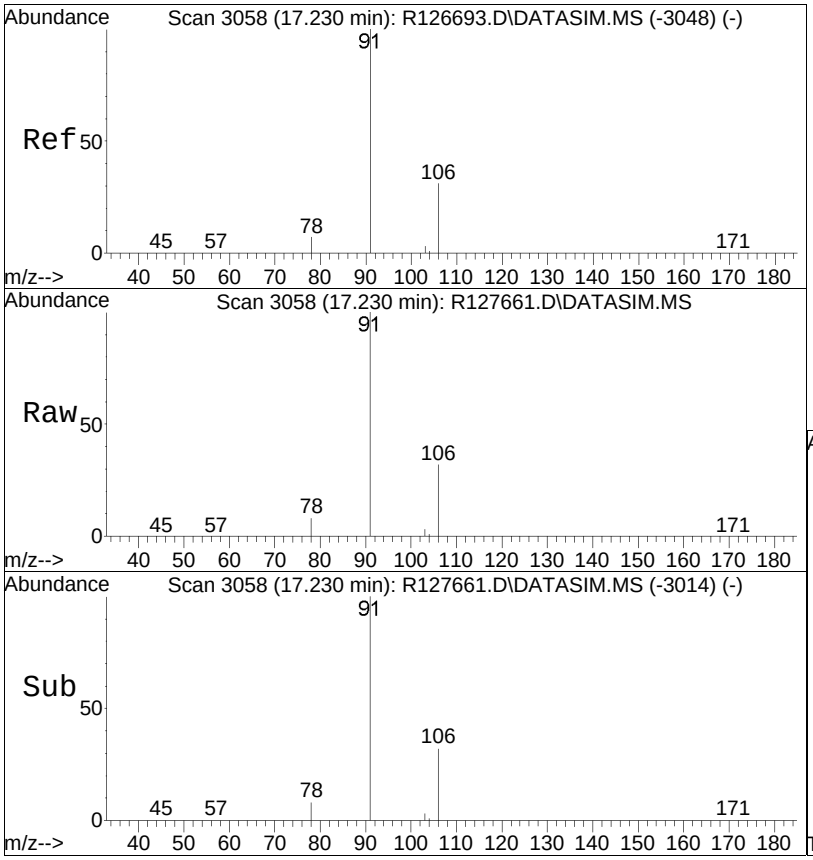


#57
chlorobenzene
Concen: 5.26 ppbV
RT: 16.93 min Scan# 2994
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:112 Resp: 246571

Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.4	39.6
77	52.5	42.4	63.6

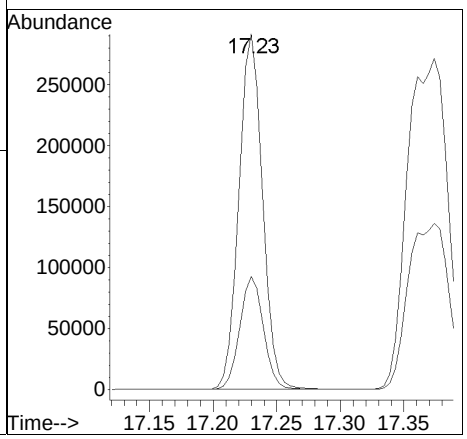


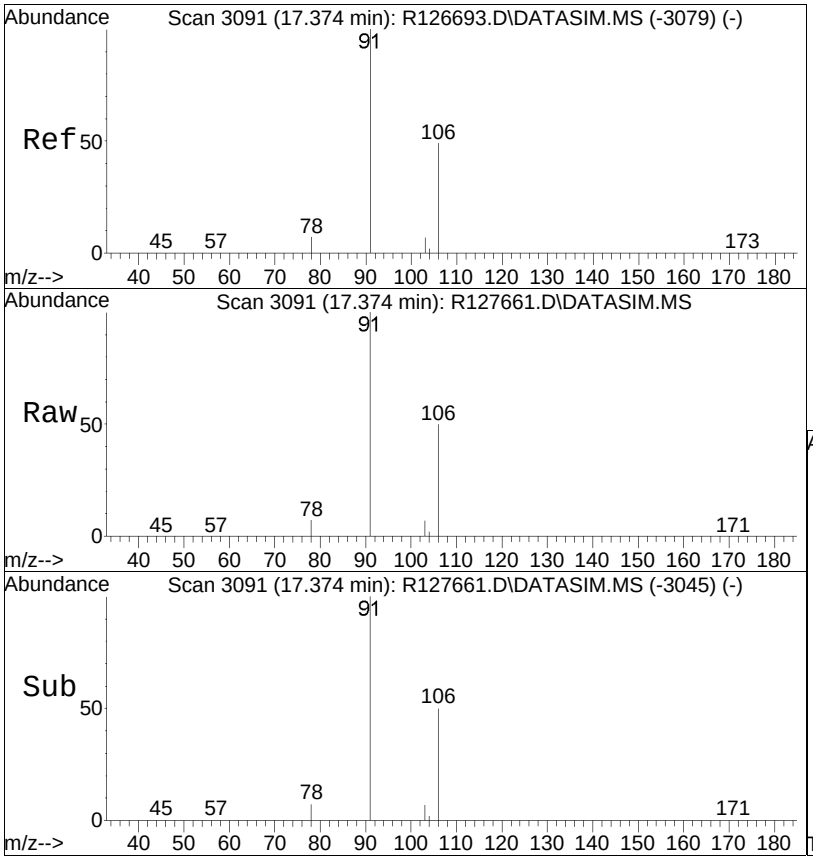


#58
ethylbenzene
Concen: 5.26 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 91 Resp: 376929

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9

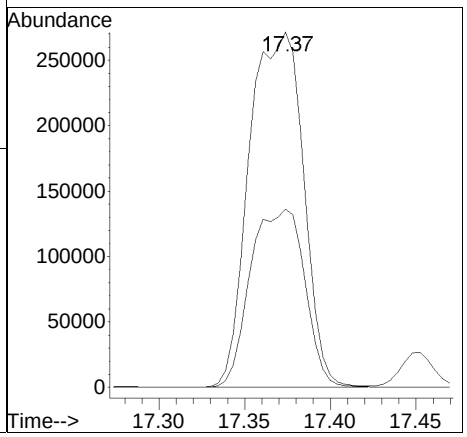


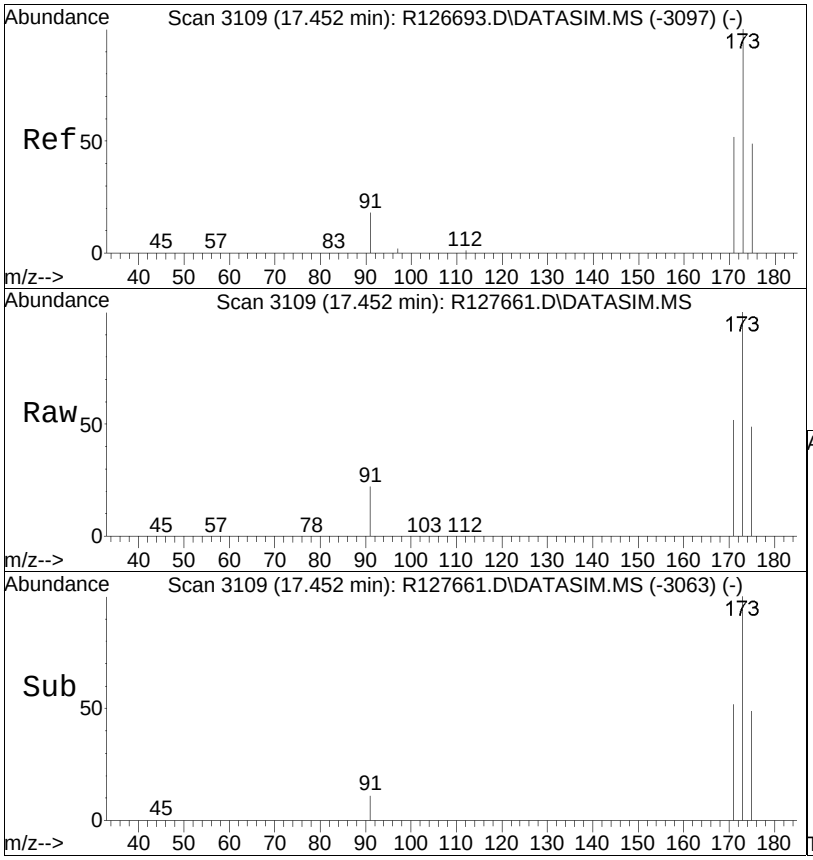


#59
m+p-xylene
Concen: 10.65 ppbV
RT: 17.37 min Scan# 3091
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 91 Resp: 593634

Ion	Ratio	Lower	Upper
91	100		
106	50.2	40.0	60.0

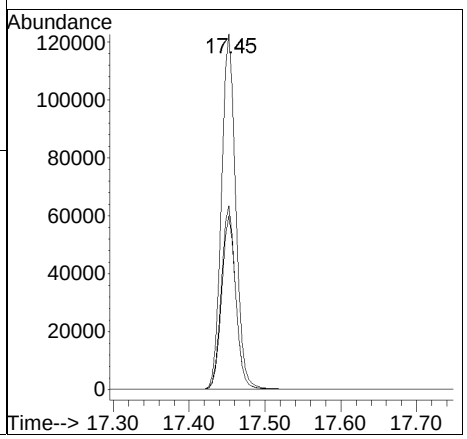


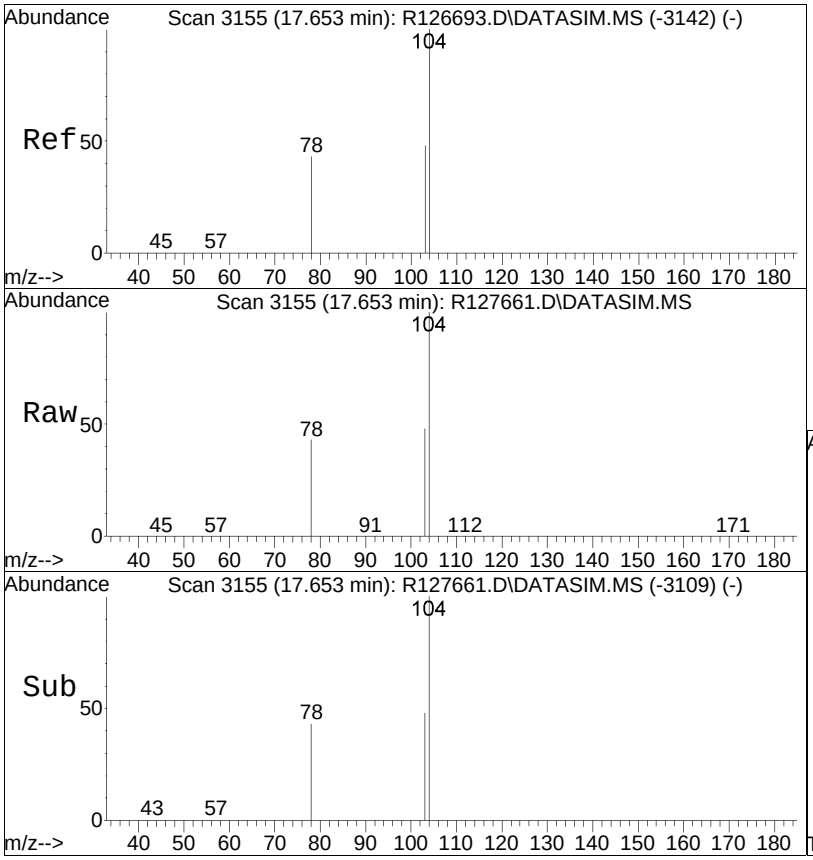


#60
bromoform
Concen: 3.96 ppbV
RT: 17.45 min Scan# 3109
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:173 Resp: 160432

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.4
171	51.7	41.4	62.0

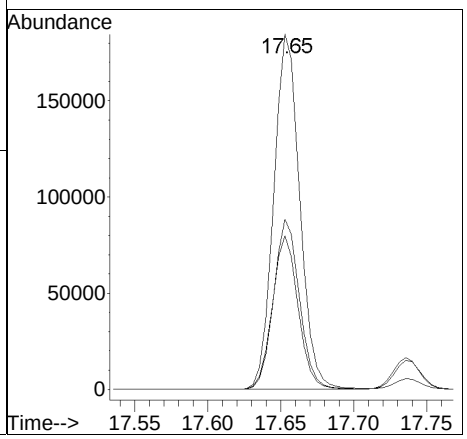


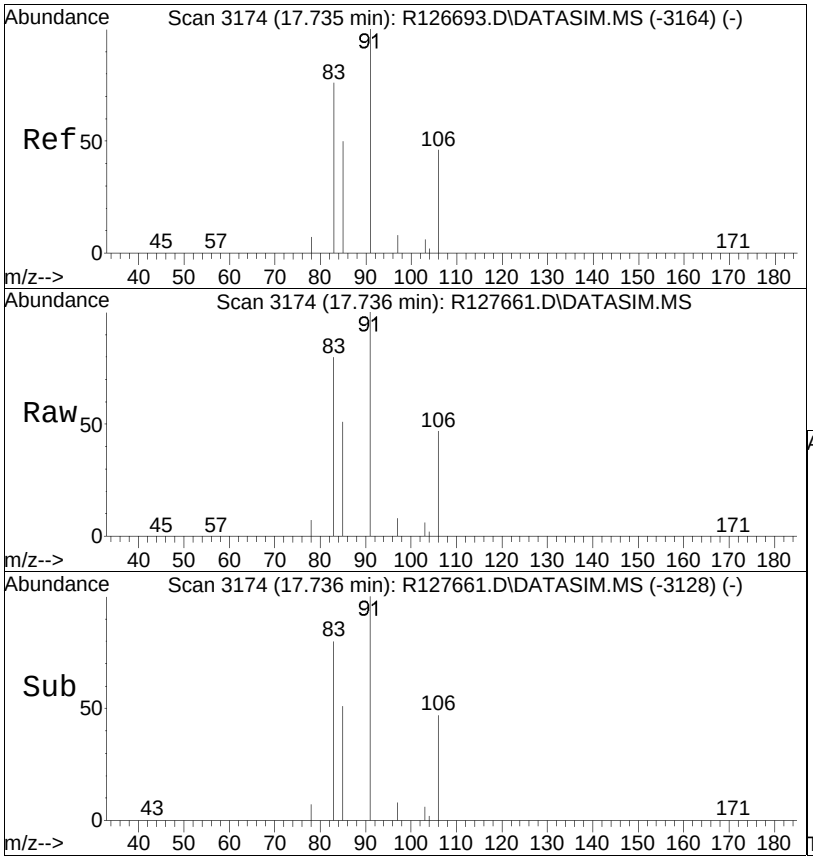


#61
styrene
Concen: 5.30 ppbV
RT: 17.65 min Scan# 3155
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:104 Resp: 228897

Ion	Ratio	Lower	Upper
104	100		
103	47.9	38.3	57.5
78	43.3	35.0	52.6

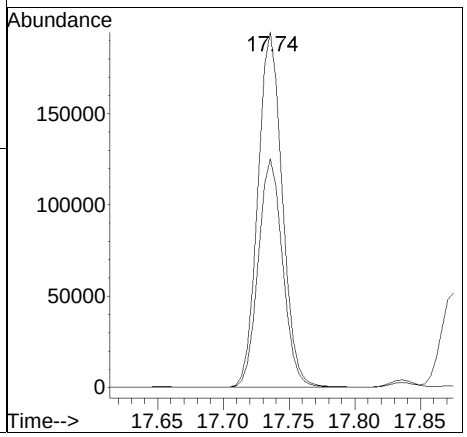


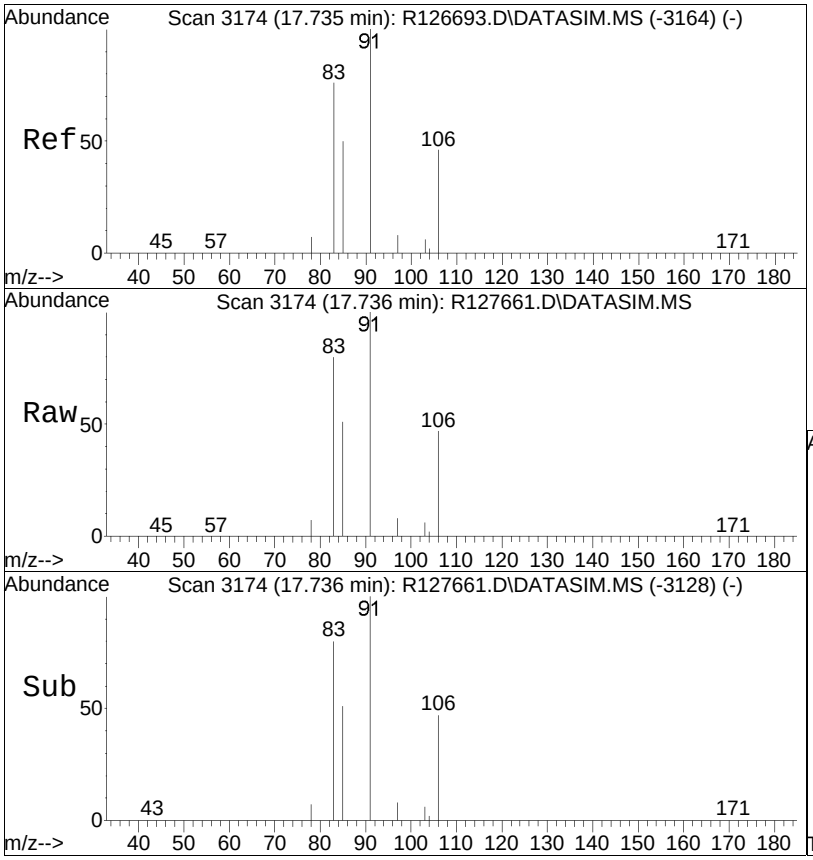


#62
1,1,2,2-tetrachloroethane
Concen: 5.52 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 83 Resp: 252216

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.0

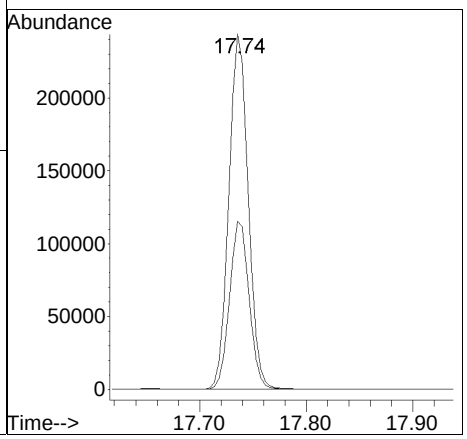


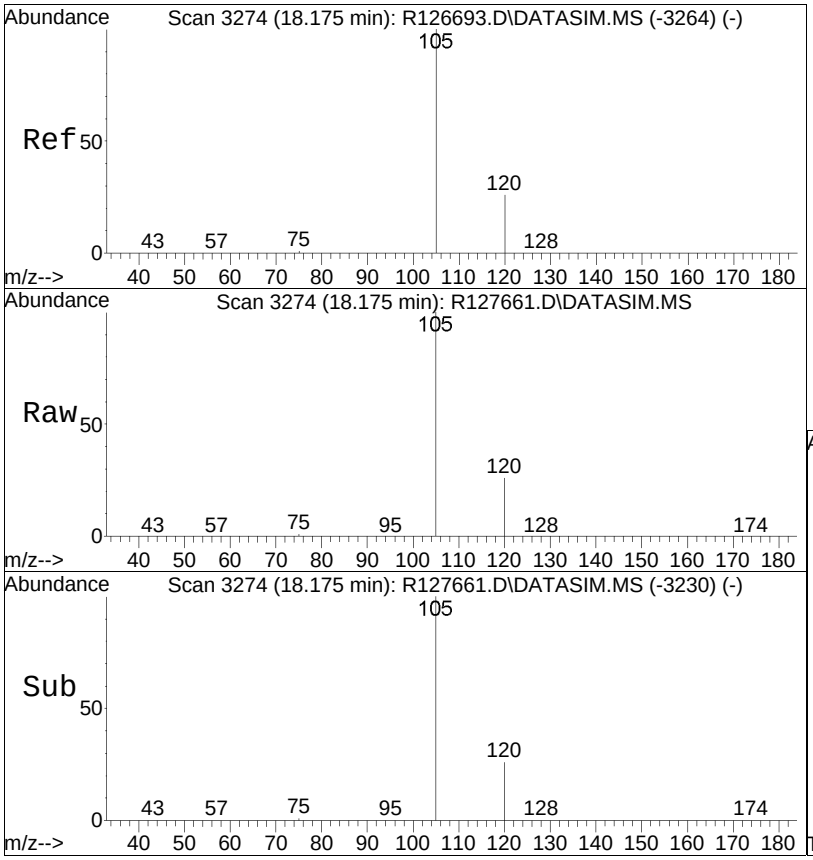


#63
o-xylene
Concen: 5.29 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 91 Resp: 307449

Ion	Ratio	Lower	Upper
91	100		
106	47.3	37.1	55.7

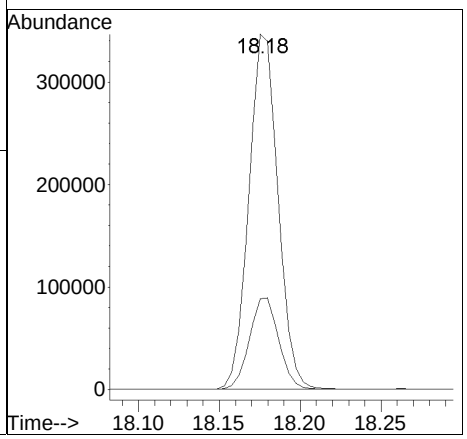


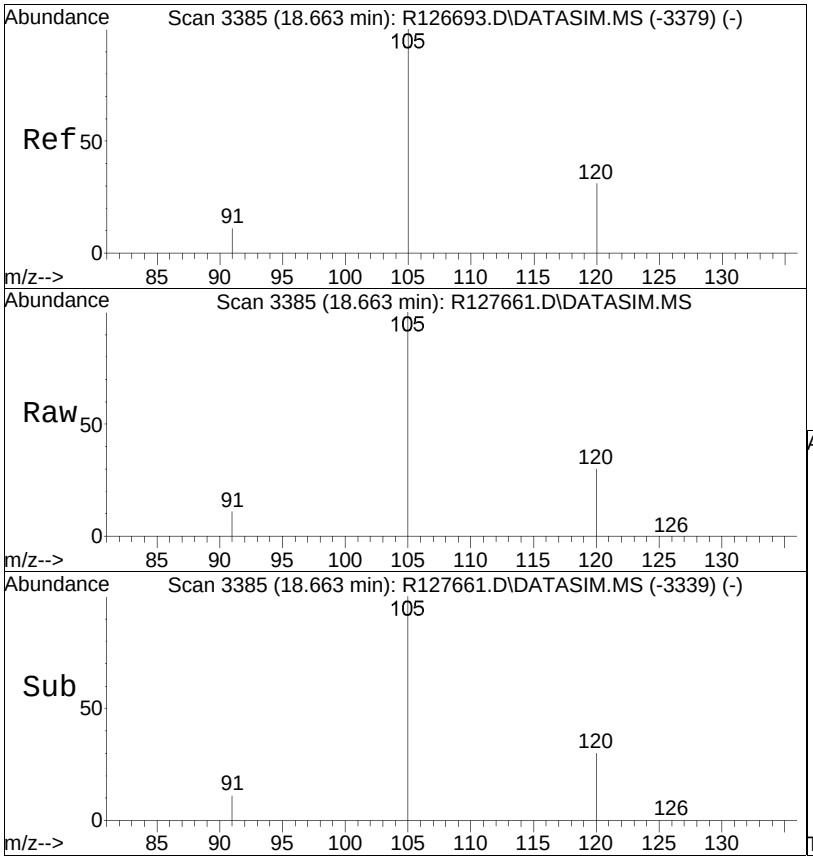


#65
isopropylbenzene
Concen: 5.10 ppbV
RT: 18.18 min Scan# 3274
Delta R.T. -0.004 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:105 Resp: 434900

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.7	31.1

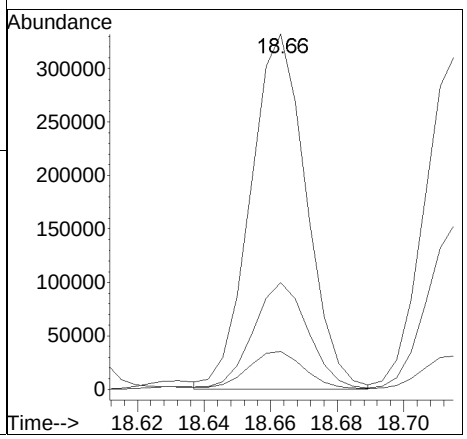


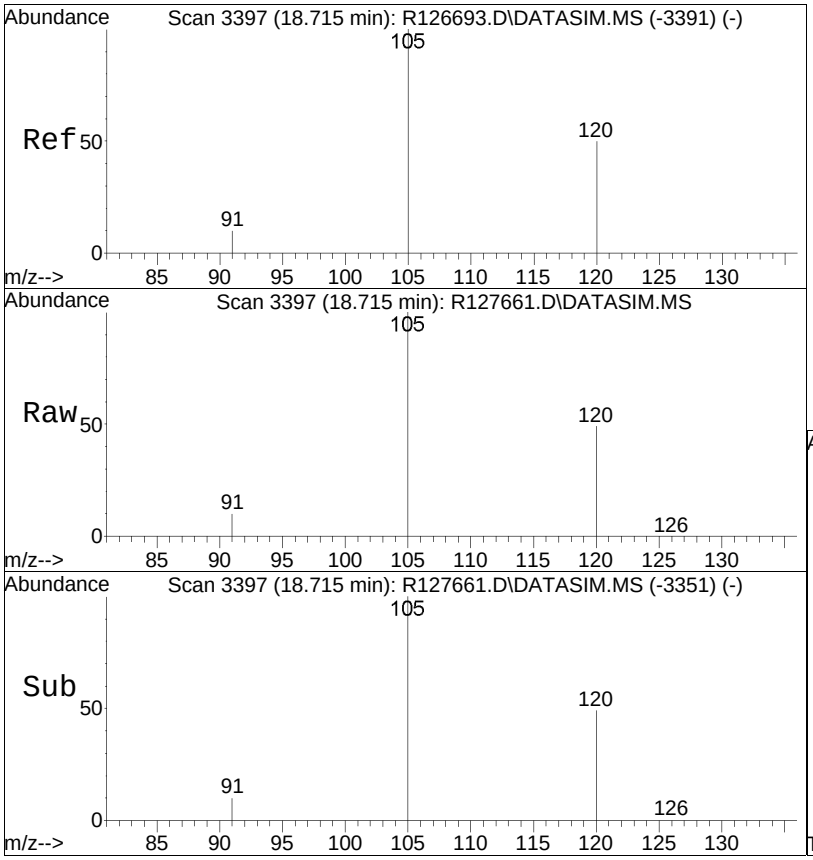


#66
4-ethyl toluene
Concen: 4.59 ppbV m
RT: 18.66 min Scan# 3385
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:105 Resp: 387321

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.7	35.5
91	10.7	8.5	12.7

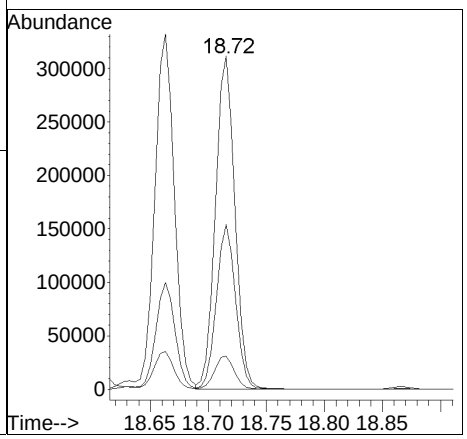


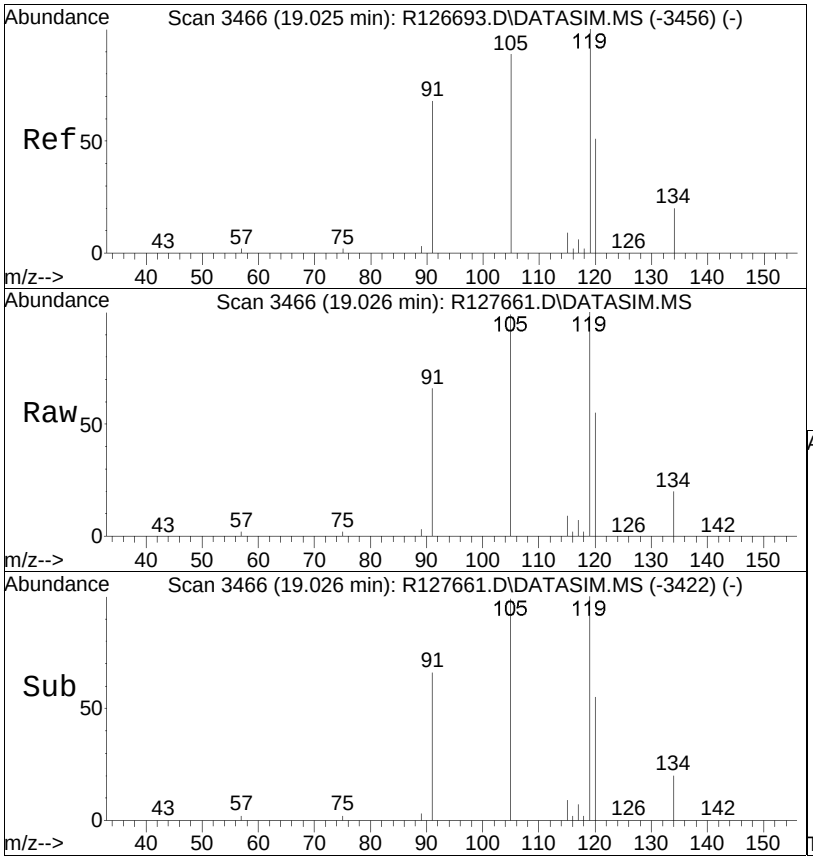


#67
1,3,5-trimethylbenzene
Concen: 5.24 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:105 Resp: 362915

Ion	Ratio	Lower	Upper
105	100		
120	49.4	39.0	58.4
91	10.0	8.0	12.0

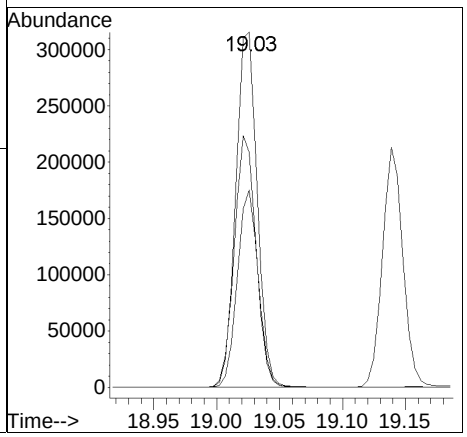


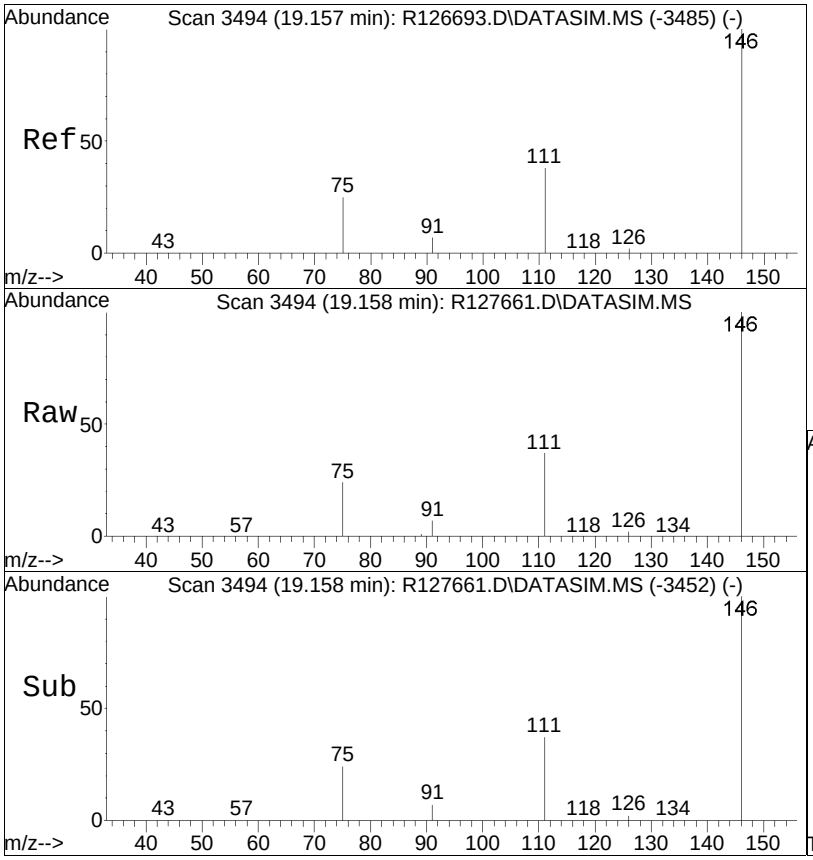


#69
1,2,4-trimethylbenzene
Concen: 5.39 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:105 Resp: 373883

Ion	Ratio	Lower	Upper
105	100		
120	55.5	44.9	67.3
91	66.2	58.6	88.0

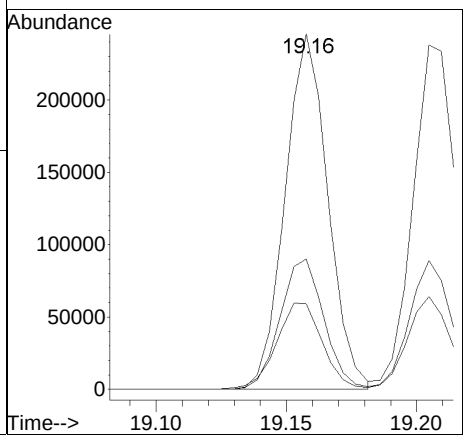


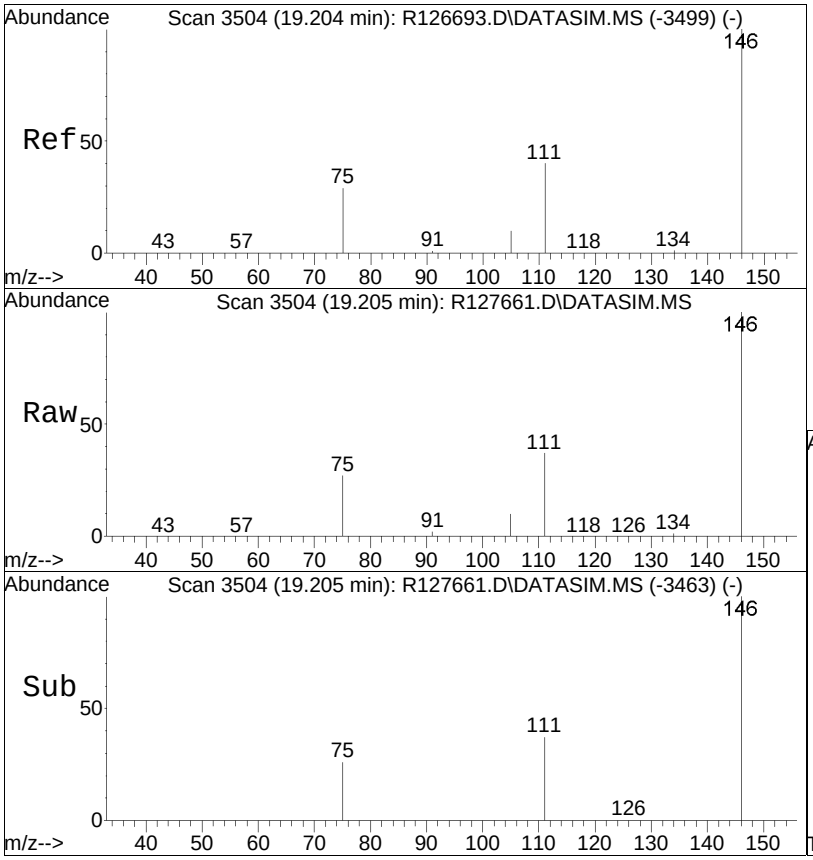


#71
1,3-dichlorobenzene
Concen: 5.33 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:146 Resp: 279648

Ion	Ratio	Lower	Upper
146	100		
111	36.7	29.5	44.3
75	24.1	19.5	29.3

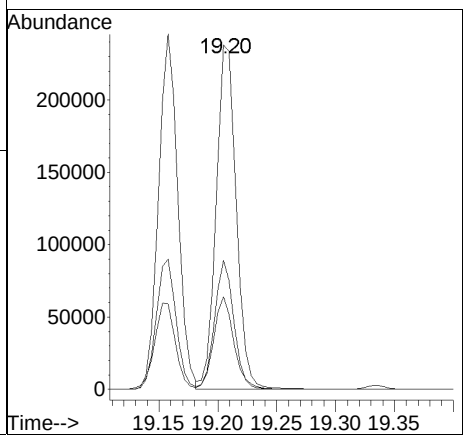


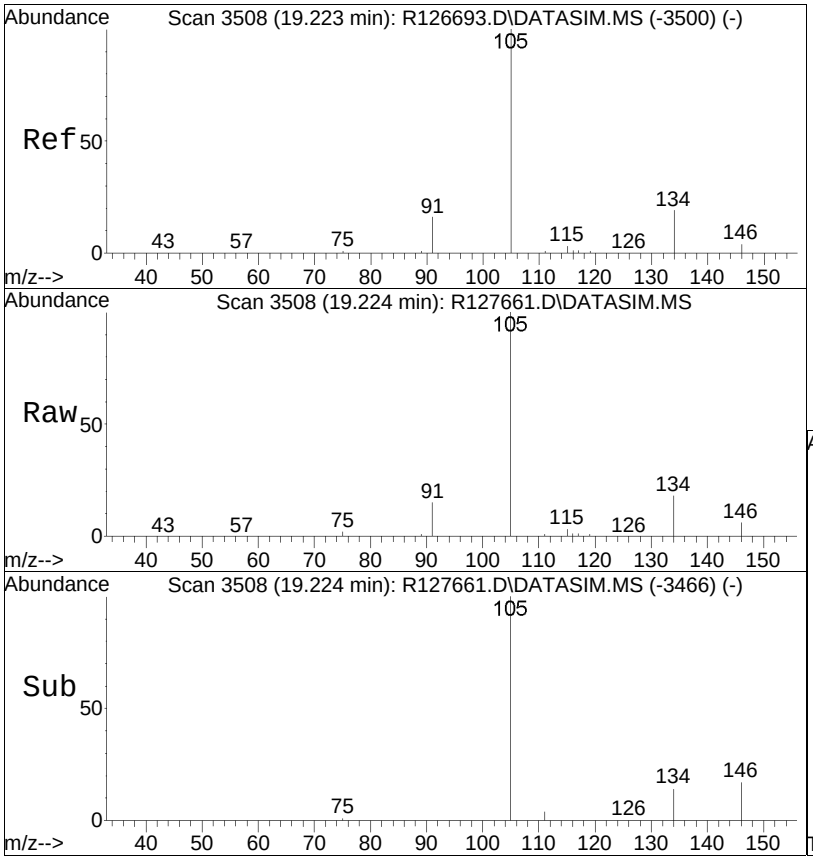


#72
1,4-dichlorobenzene
Concen: 5.29 ppbV
RT: 19.20 min Scan# 3504
Delta R.T. -0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:146 Resp: 282606

Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.4	39.6
75	26.9	18.0	27.0

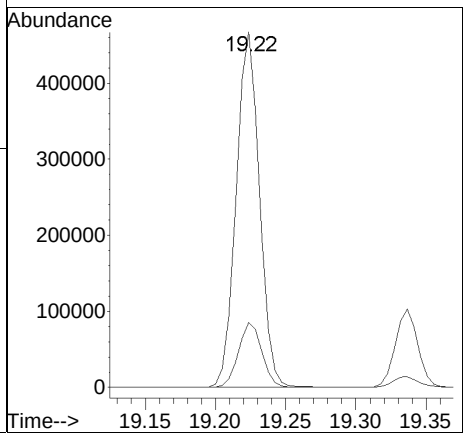


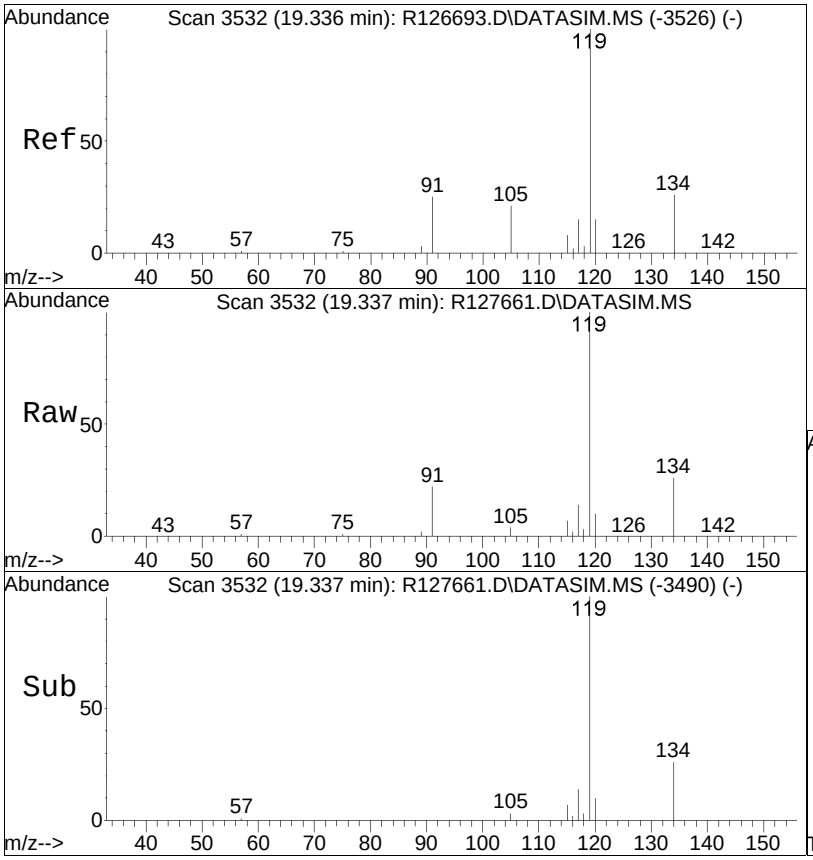


#73
sec-butylbenzene
Concen: 4.97 ppbV
RT: 19.22 min Scan# 3508
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:105 Resp: 537952

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.3	21.5

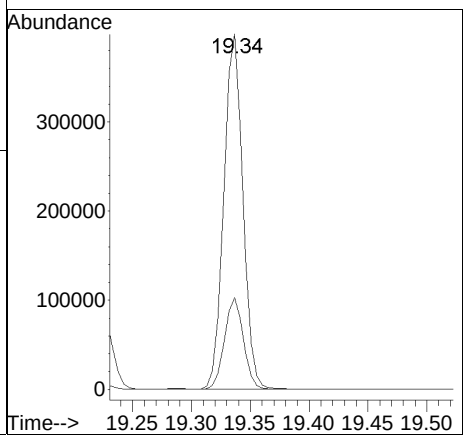


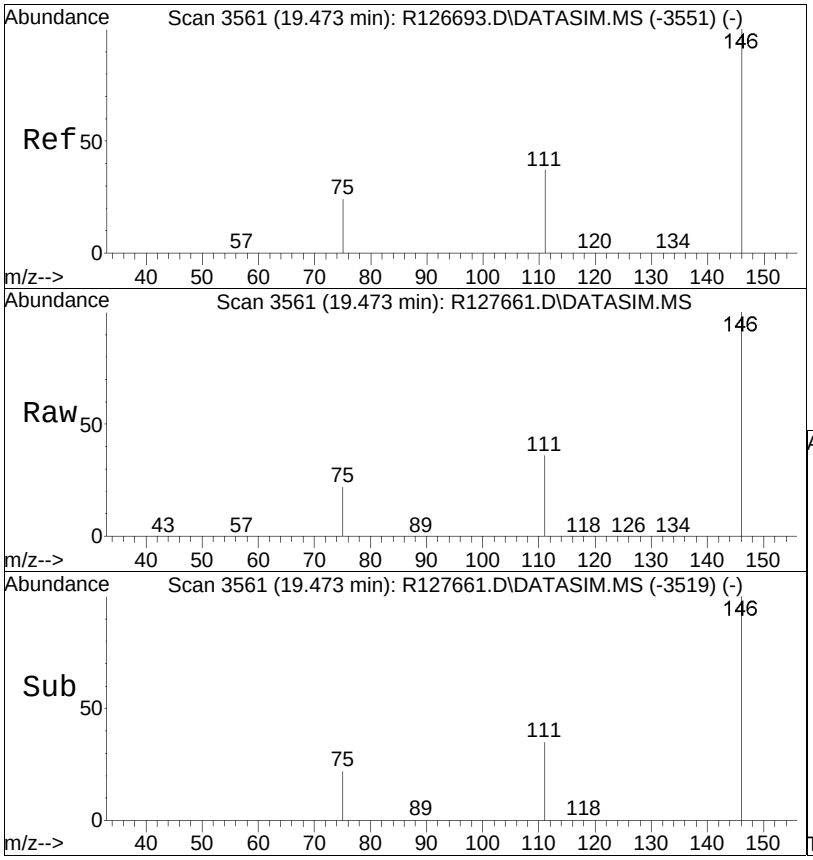


#74
p-isopropyltoluene
Concen: 4.70 ppbV
RT: 19.34 min Scan# 3532
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:119 Resp: 448315

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6

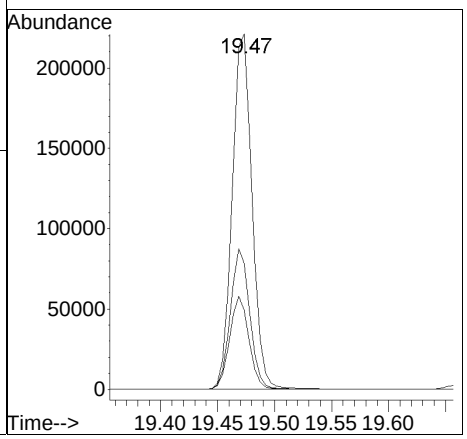


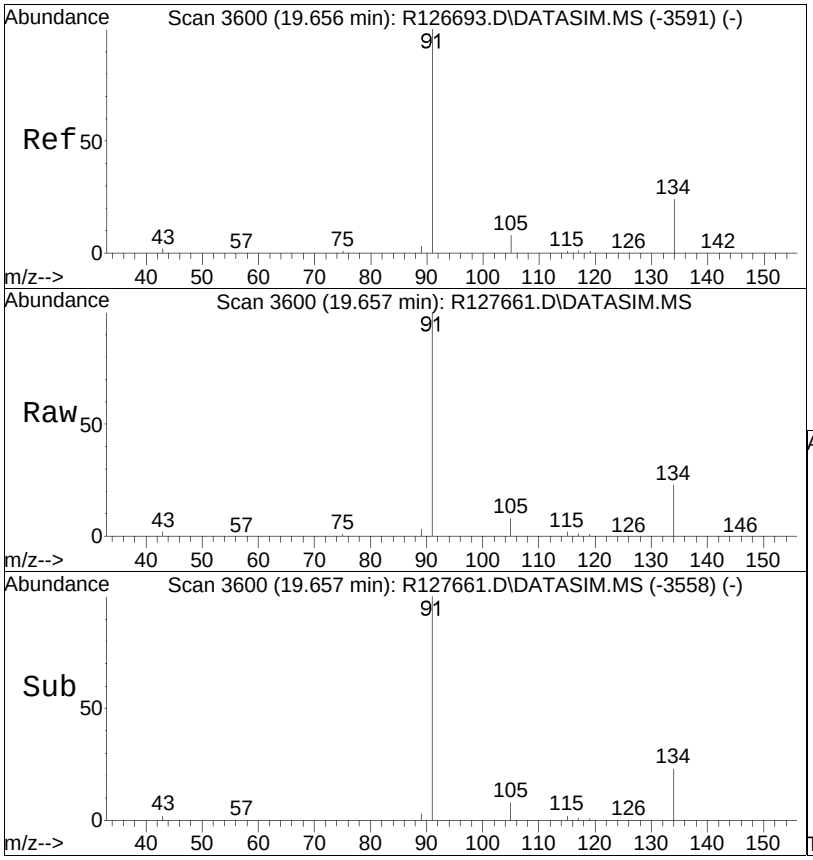


#75
1,2-dichlorobenzene
Concen: 5.31 ppbV
RT: 19.47 min Scan# 3561
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:146 Resp: 268005

Ion	Ratio	Lower	Upper
146	100		
111	35.5	28.7	43.1
75	22.4	17.9	26.9

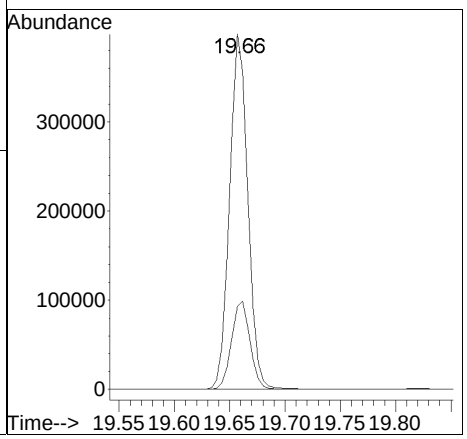


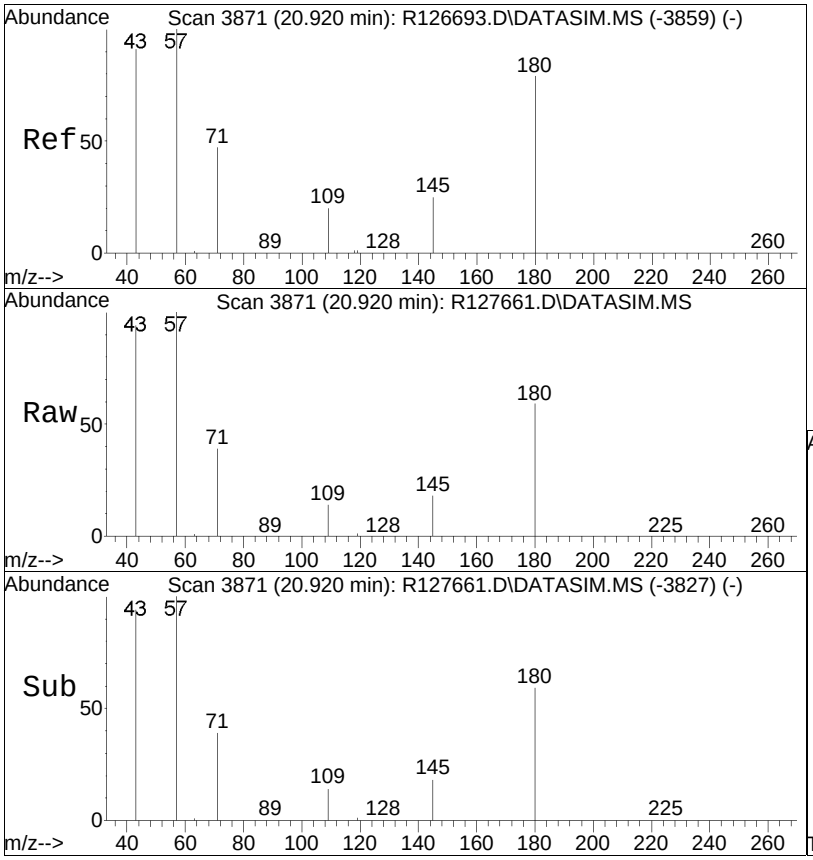


#76
n-butylbenzene
Concen: 5.29 ppbV
RT: 19.66 min Scan# 3600
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion: 91 Resp: 456319

Ion	Ratio	Lower	Upper
91	100		
134	23.4	18.6	28.0

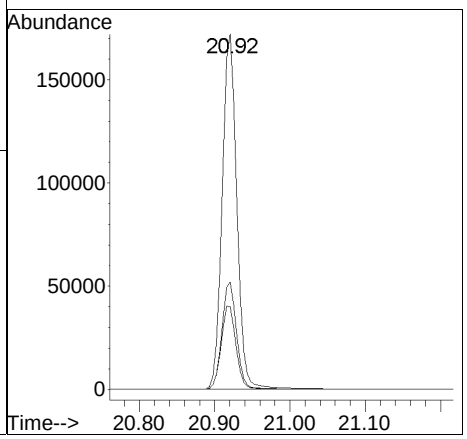


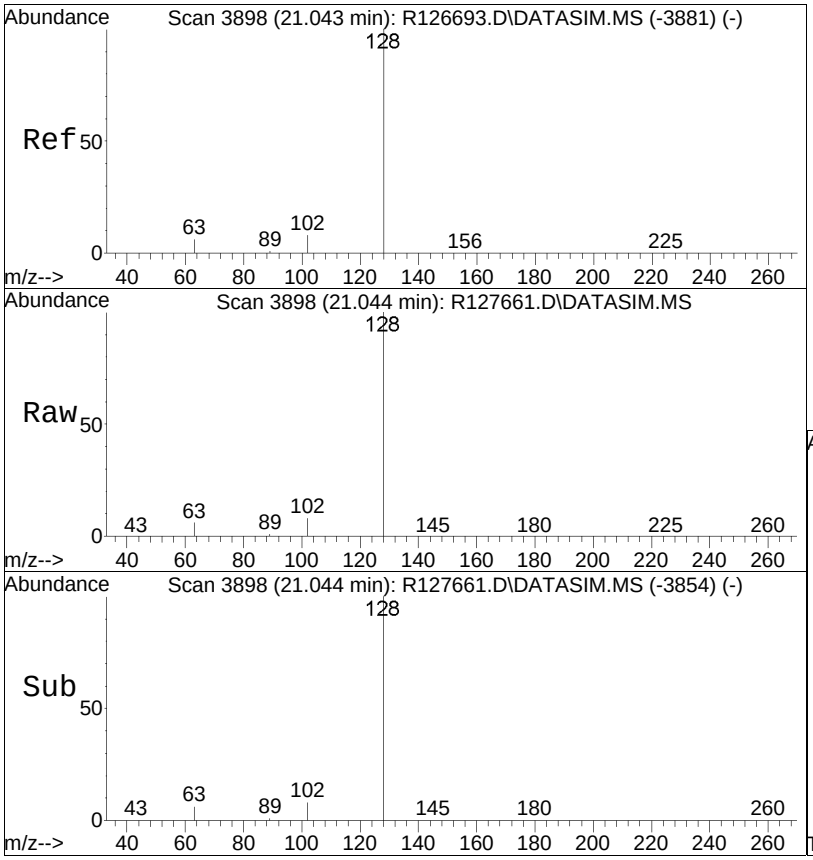


#77
1,2,4-trichlorobenzene
Concen: 5.76 ppbV
RT: 20.92 min Scan# 3871
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:180 Resp: 233874

Ion	Ratio	Lower	Upper
180	100		
145	30.2	24.2	36.4
109	23.3	18.5	27.7

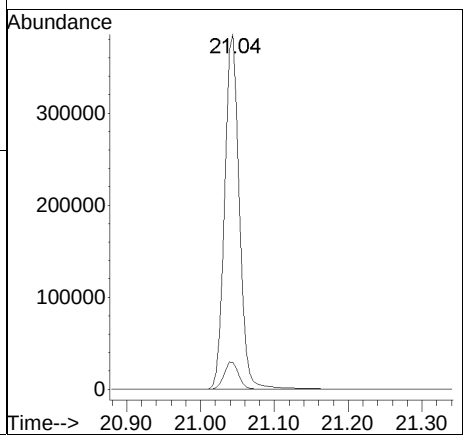


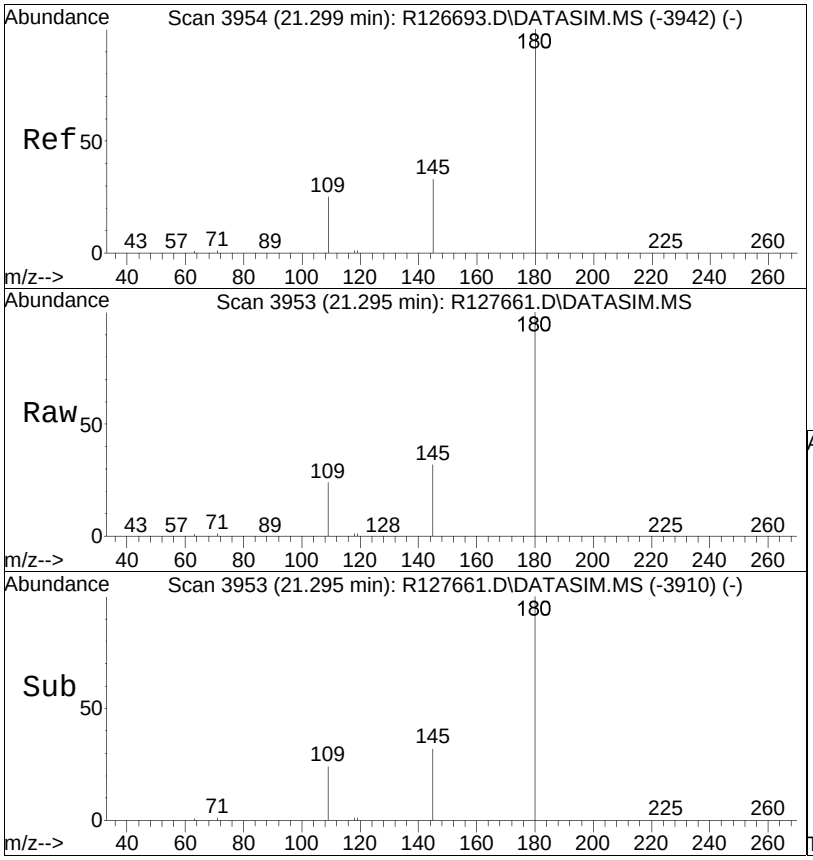


#78
naphthalene
Concen: 5.27 ppbV
RT: 21.04 min Scan# 3898
Delta R.T. -0.000 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:128 Resp: 535226

Ion	Ratio	Lower	Upper
128	100		
102	7.7	6.2	9.2

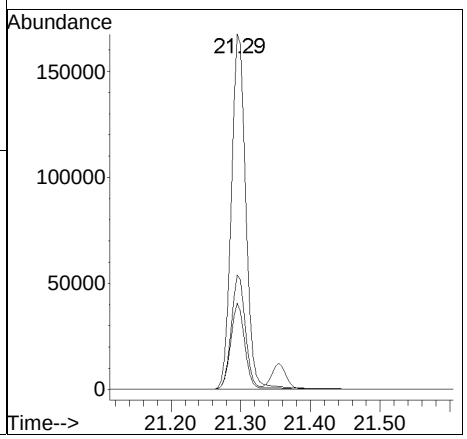


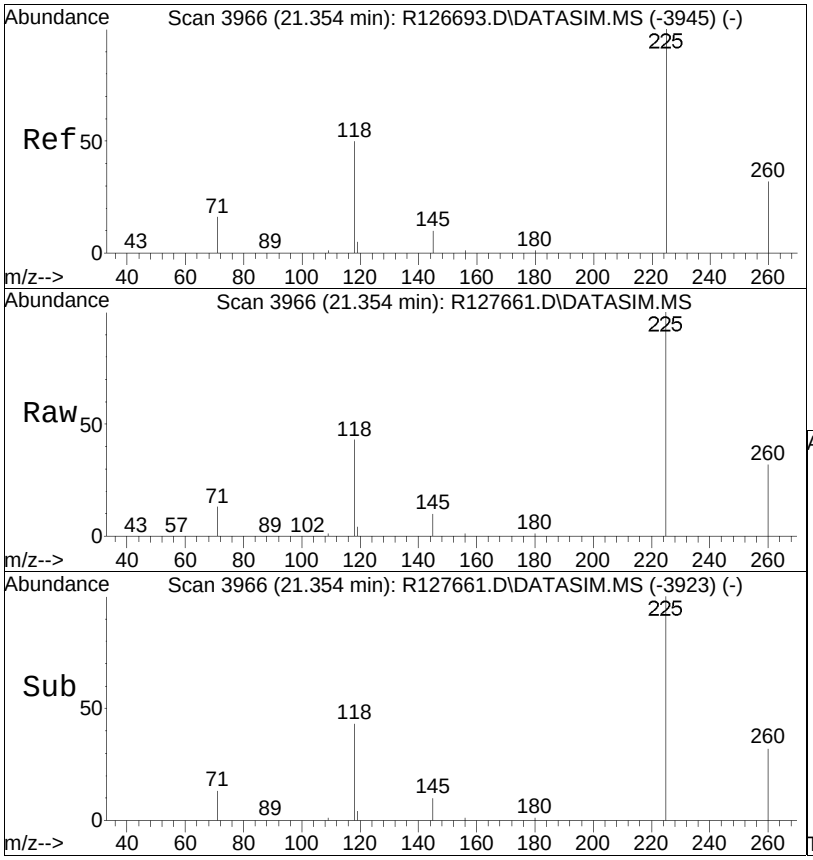


#79
1,2,3-trichlorobenzene
Concen: 5.70 ppbV
RT: 21.29 min Scan# 3953
Delta R.T. -0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:180 Resp: 242190

Ion	Ratio	Lower	Upper
180	100		
145	32.2	25.5	38.3
109	24.3	18.2	27.4

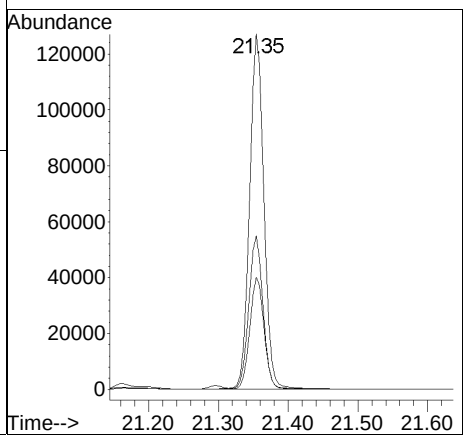




#80
hexachlorobutadiene
Concen: 5.30 ppbV
RT: 21.35 min Scan# 3966
Delta R.T. -0.005 min
Lab File: R127661.D
Acq: 15 Apr 2013 11:57 am

Tgt Ion:225 Resp: 181410

Ion	Ratio	Lower	Upper
225	100		
260	31.6	25.9	38.9
118	43.2	31.2	46.8

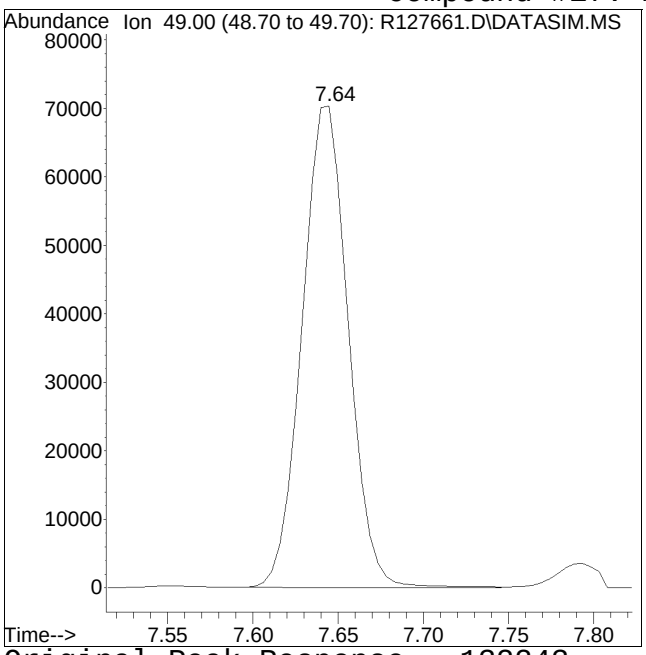


Manual Integration/Negative Proof Report

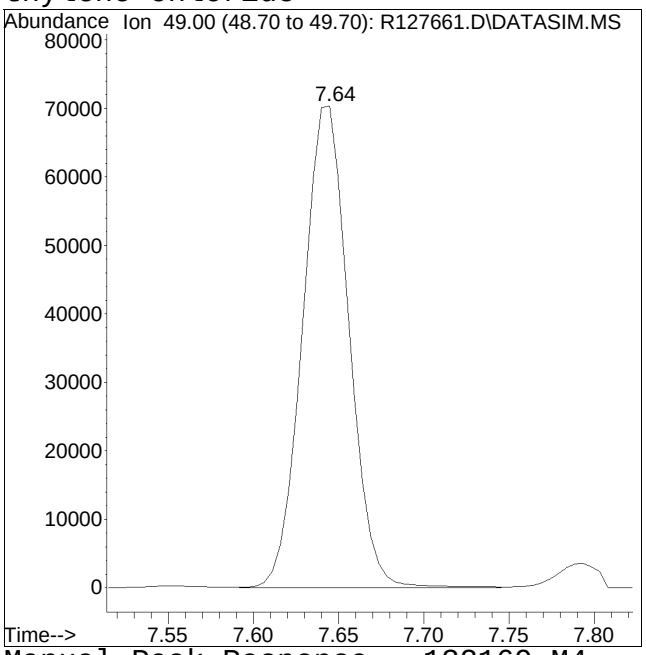
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #17: methylene chloride



Original Peak Response = 132243



Manual Peak Response = 132169 M4

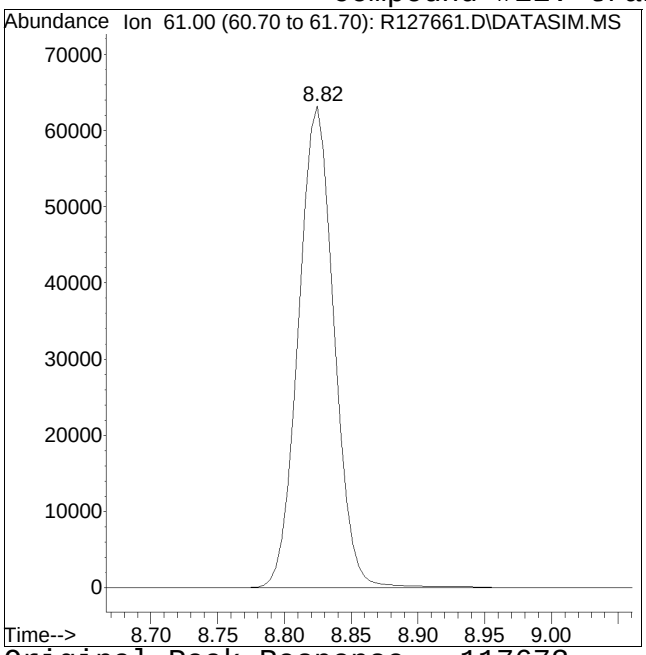
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

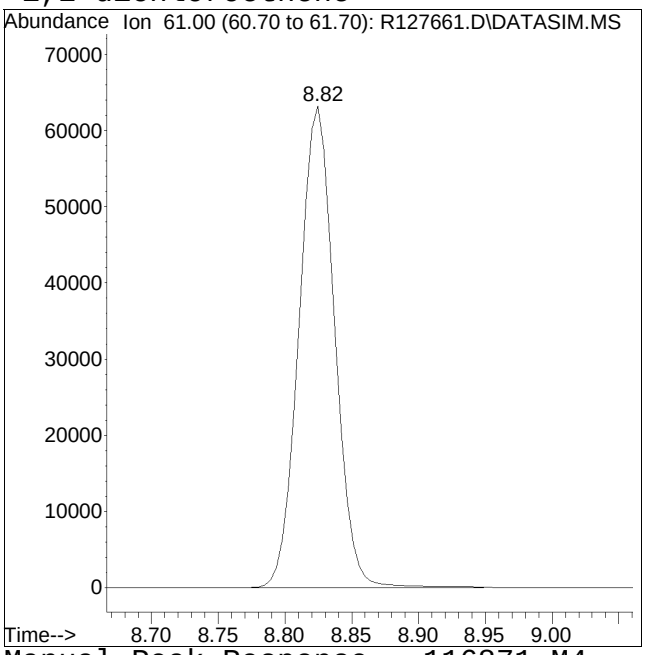
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #22: trans-1,2-dichloroethene



Original Peak Response = 117673



Manual Peak Response = 116871 M4

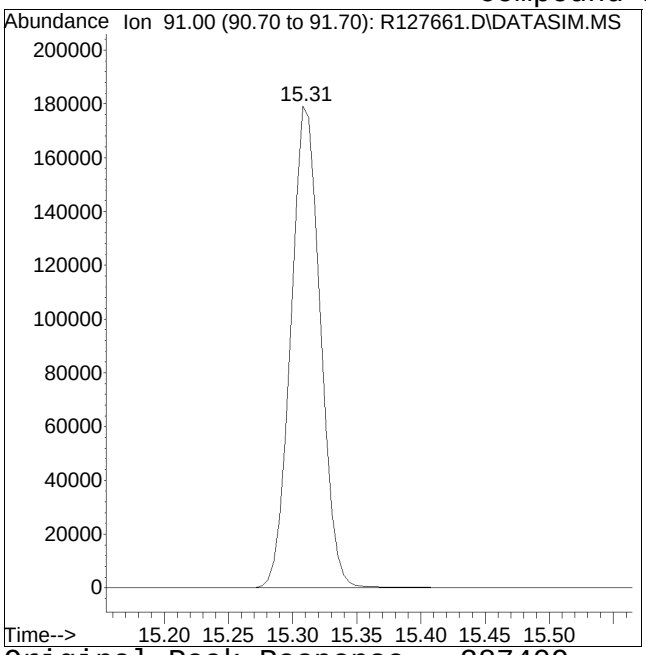
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

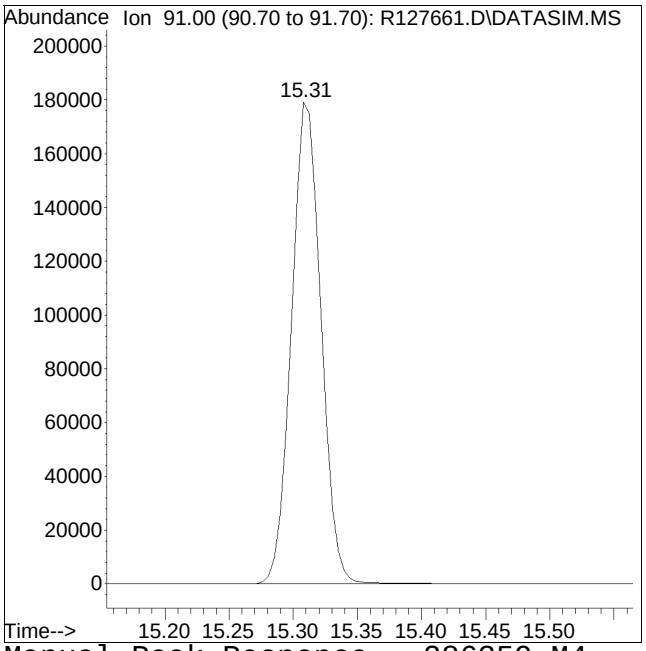
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #50: toluene



Original Peak Response = 287409



Manual Peak Response = 286359 M4

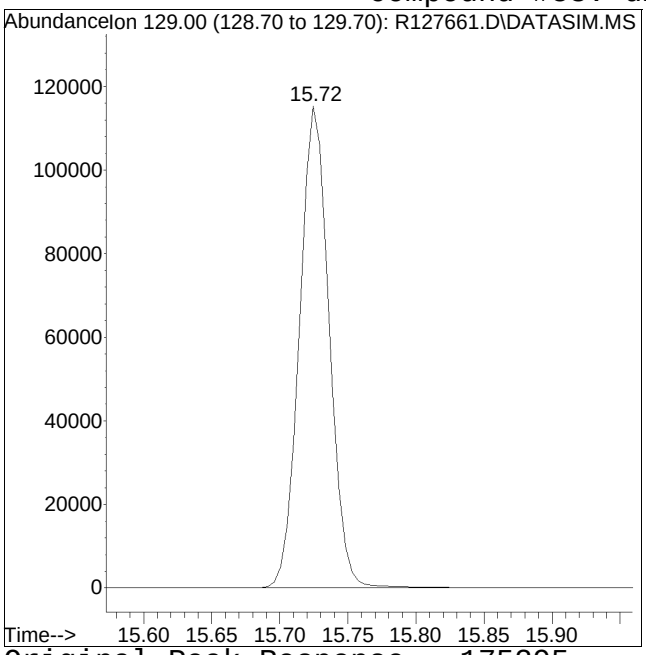
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

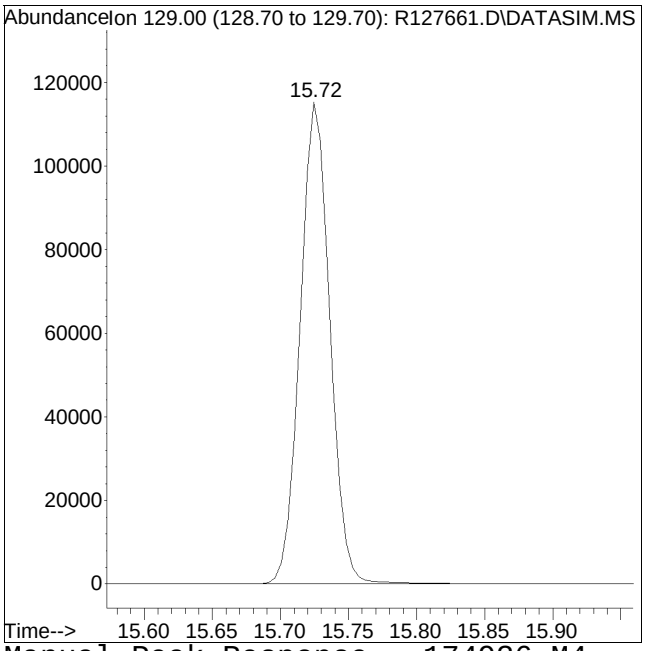
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #53: dibromochloromethane



Original Peak Response = 175295



Manual Peak Response = 174936 M4

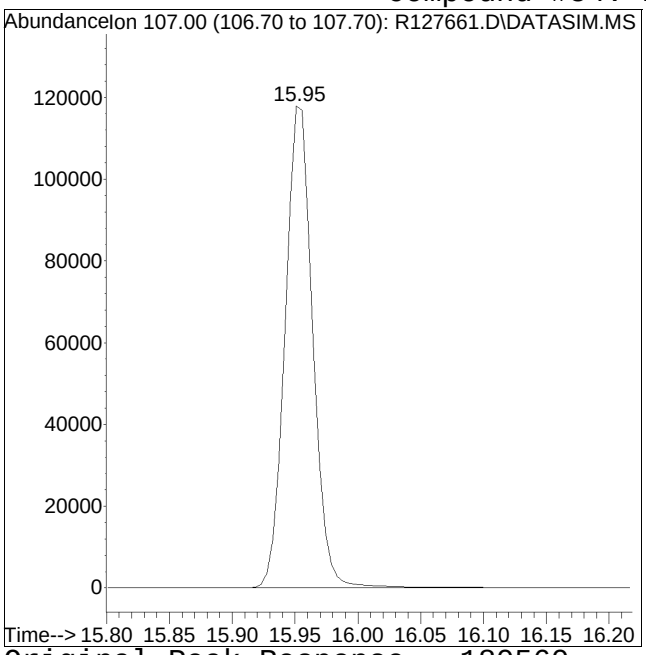
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

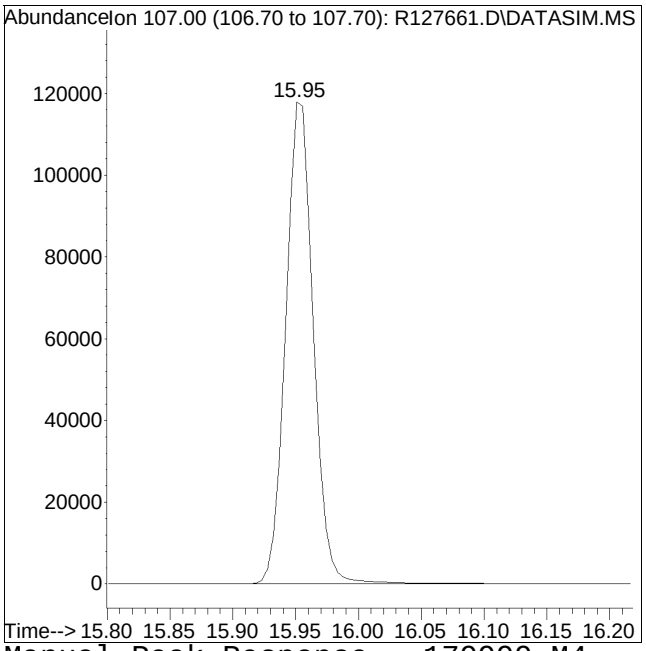
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #54: 1,2-dibromoethane



Original Peak Response = 180560



Manual Peak Response = 179999 M4

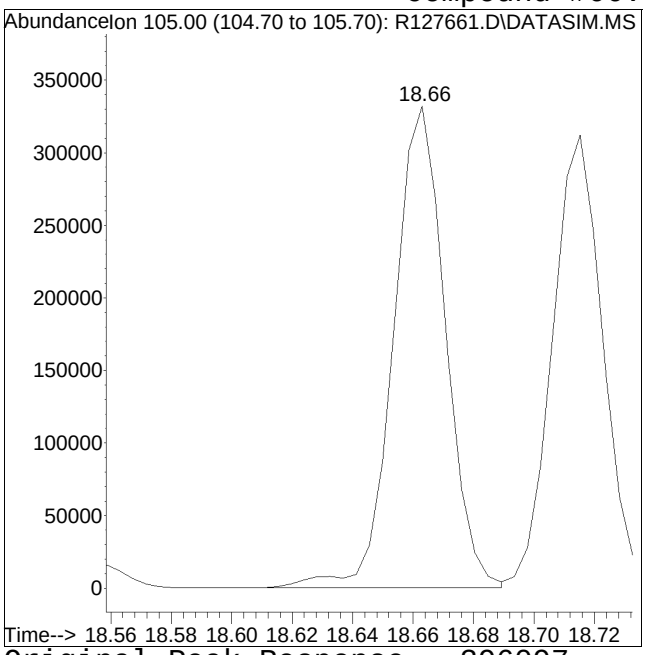
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

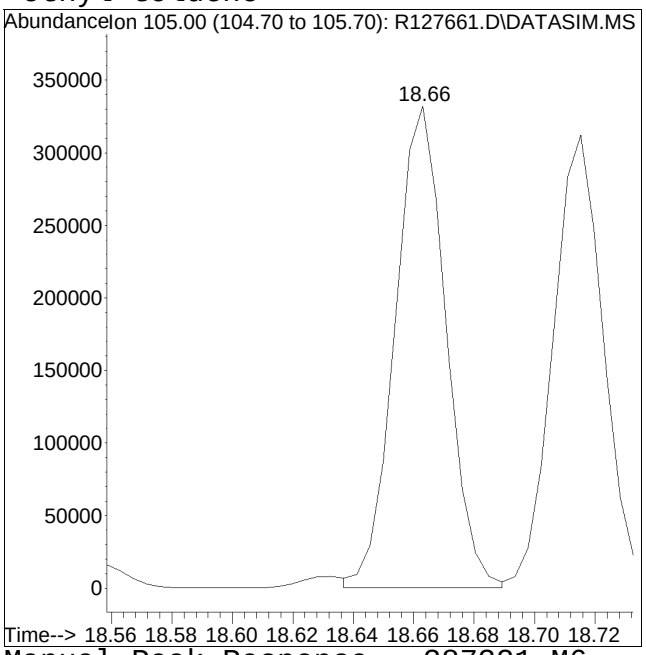
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127661.D
Date Inj'd : 4/15/2013 11:57 am
Sample : WG601750-3,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/15/2013 12:23 pm

Compound #66: 4-ethyl toluene



Original Peak Response = 396097



Manual Peak Response = 387321 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127652.D
Acq On : 12 Apr 2013 11:01 pm
Operator : AIRPIANO1:MB
Sample : WG601403-5,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 09:49:59 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	265828	10.000	ppbV	0.00
Standard Area = 268822			Recovery =	98.89%		
32) 1,4-difluorobenzene	12.49	114	538665	10.000	ppbV	0.00
Standard Area = 547088			Recovery =	98.46%		
49) chlorobenzene-D5	16.90	54	132467	10.000	ppbV	0.00
Standard Area = 132720			Recovery =	99.81%		
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	14378	0.418	ppbV	99
4) chloromethane	4.40	50	9199	0.508	ppbV	100
5) Freon-114	4.55	85	501	0.013	ppbV #	89
6) vinyl chloride	4.71		0	N.D.		
7) 1,3-butadiene	4.91	54	135	0.011	ppbV #	48
8) bromomethane	5.30	94	114M3	0.008	ppbV	
9) chloroethane	5.55		0	N.D.		
12) acetone	6.41	43	117080	4.071	ppbV #	98
13) trichlorofluoromethane	6.63	101	8256	0.200	ppbV	100
15) acrylonitrile	7.04		0	N.D.		
16) 1,1-dichloroethene	0.00		0	N.D.		
17) methylene chloride	7.64		0	N.D.		
20) Freon 113	7.99	101	1830	0.064	ppbV	97
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	8.96		0	N.D.		
24) MTBE	9.15		0	N.D.		
26) 2-butanone	9.59	43	20157	0.447	ppbV	98
27) cis-1,2-dichloroethene	9.96		0	N.D.		
29) chloroform	10.43	83	391	0.013	ppbV #	85
31) 1,2-dichloroethane	11.28	62	371	0.016	ppbV #	63
35) 1,1,1-trichloroethane	11.56		0	N.D.		
36) benzene	12.09	78	5863	0.138	ppbV	96
37) carbon tetrachloride	12.25	117	1853	0.059	ppbV	96
39) 1,2-dichloropropane	13.02		0	N.D.		
40) bromodichloromethane	13.23		0	N.D.		
42) trichloroethene	13.28		0	N.D.		
45) cis-1,3-dichloropropene	14.27		0	N.D.		
46) 4-methyl-2-pentanone	14.35		0	N.D.		
47) trans-1,3-dichloropropene	14.81		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127652.D
Acq On : 12 Apr 2013 11:01 pm
Operator : AIRPIANO1:MB
Sample : WG601403-5,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 09:49:59 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

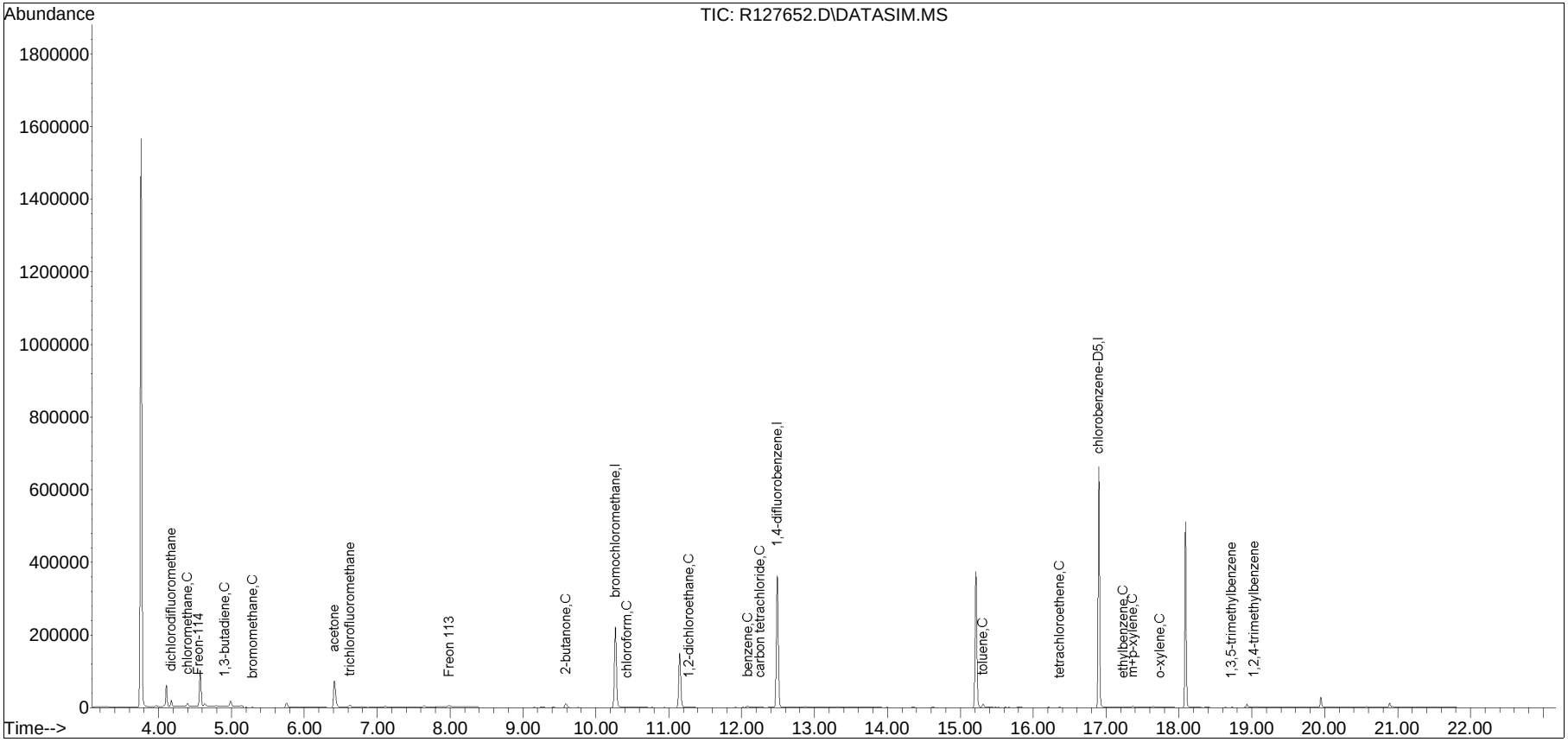
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.		
50) toluene	15.31	91	8400	0.156	ppbV	100
53) dibromochloromethane	0.00		0	N.D.		
54) 1,2-dibromoethane	15.86		0	N.D.		
55) tetrachloroethene	16.36	166	952	0.034	ppbV #	89
56) 1,1,1,2-tetrachloroethane	16.93		0	N.D.		
57) chlorobenzene	16.94		0	N.D.		
58) ethylbenzene	17.23	91	1506	0.022	ppbV	99
59) m+p-xylene	17.37	91	3154	0.059	ppbV	97
60) bromoform	17.46		0	N.D.		
61) styrene	17.67		0	N.D.		
62) 1,1,2,2-tetrachloroethane	17.73		0	N.D.		
63) o-xylene	17.74	91	1238	0.022	ppbV	93
65) isopropylbenzene	18.18		0	N.D.		
66) 4-ethyl toluene	18.67		0	N.D.		
67) 1,3,5-trimethylbenzene	18.72	105	393	0.006	ppbV #	51
69) 1,2,4-trimethylbenzene	19.03	105	1062	0.016	ppbV #	54
71) 1,3-dichlorobenzene	19.17		0	N.D.		
72) 1,4-dichlorobenzene	19.21		0	N.D.		
73) sec-butylbenzene	19.23		0	N.D.		
74) p-isopropyltoluene	19.35		0	N.D.		
75) 1,2-dichlorobenzene	19.48		0	N.D.		
76) n-butylbenzene	19.67		0	N.D.		
77) 1,2,4-trichlorobenzene	20.93		0	N.D.		
78) naphthalene	21.05		0	N.D.		
79) 1,2,3-trichlorobenzene	21.31		0	N.D.		
80) hexachlorobutadiene	21.35		0	N.D.		

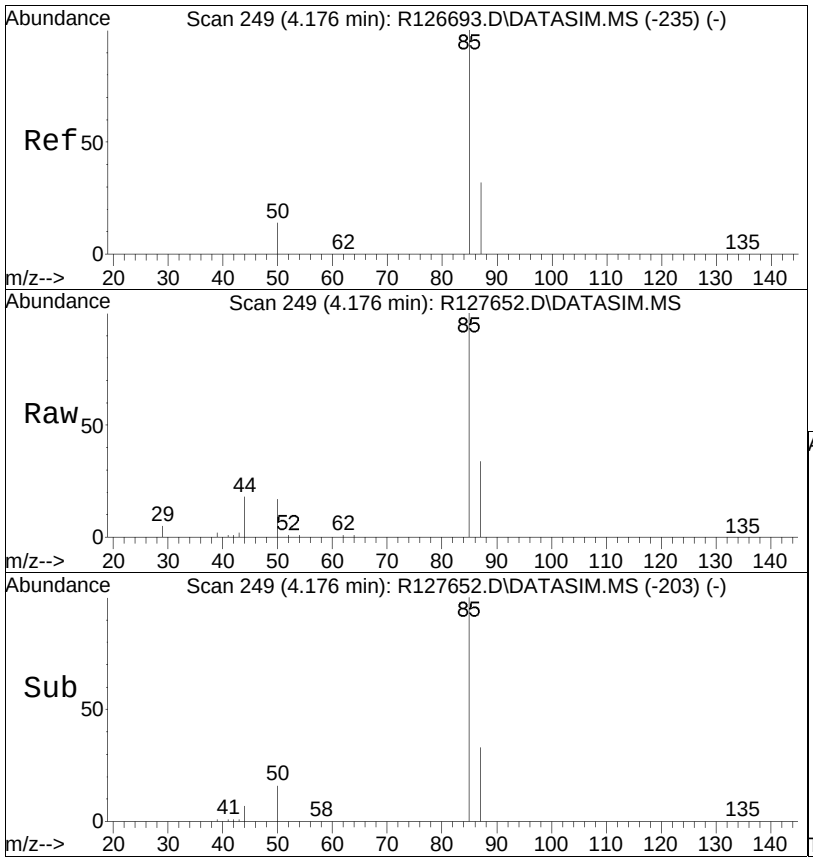
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127652.D
Acq On : 12 Apr 2013 11:01 pm
Operator : AIRPIANO1:MB
Sample : WG601403-5,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 09:49:59 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

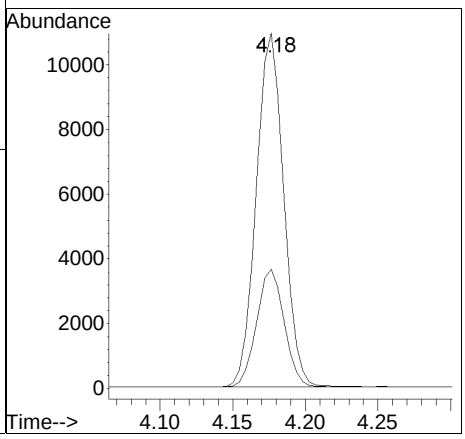


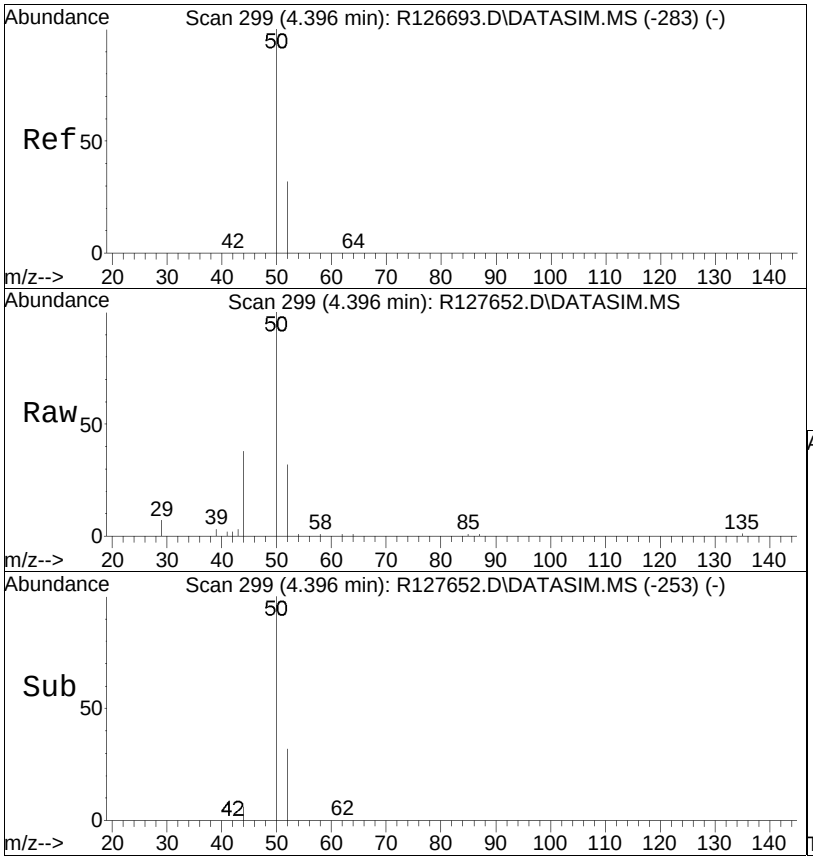


#3
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 85 Resp: 14378

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.6	40.0

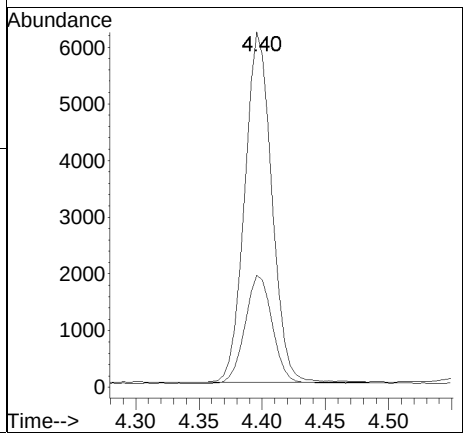


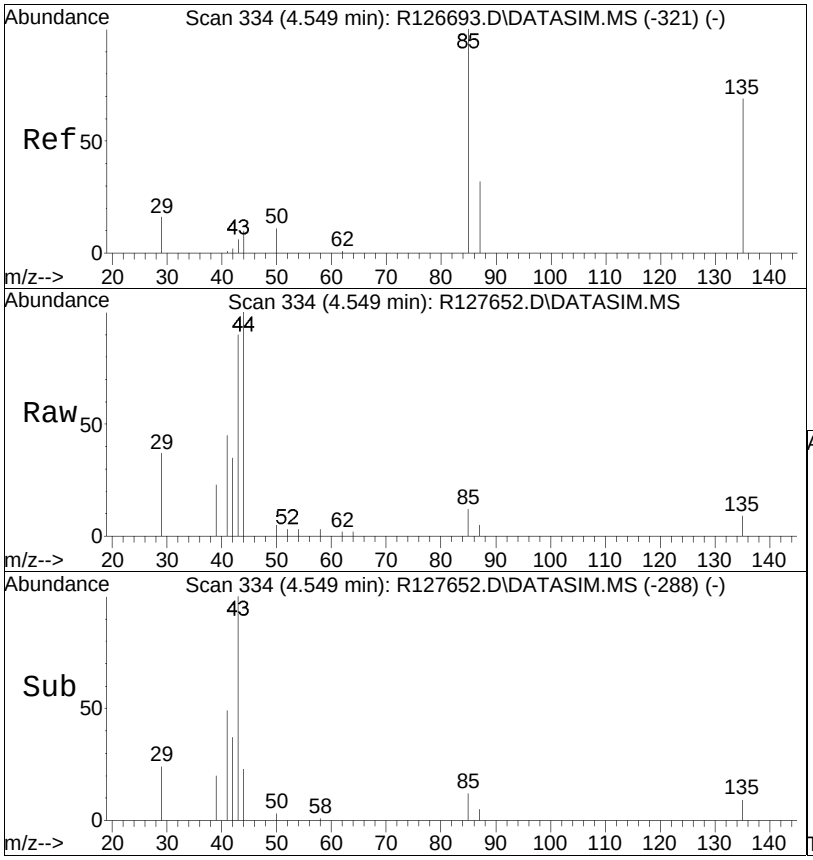


#4
chloromethane
Concen: 0.51 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 50 Resp: 9199

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.3	37.9

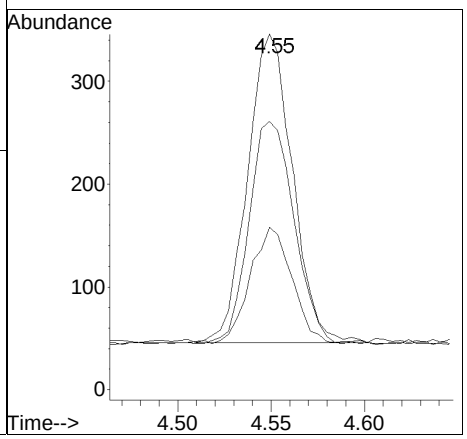


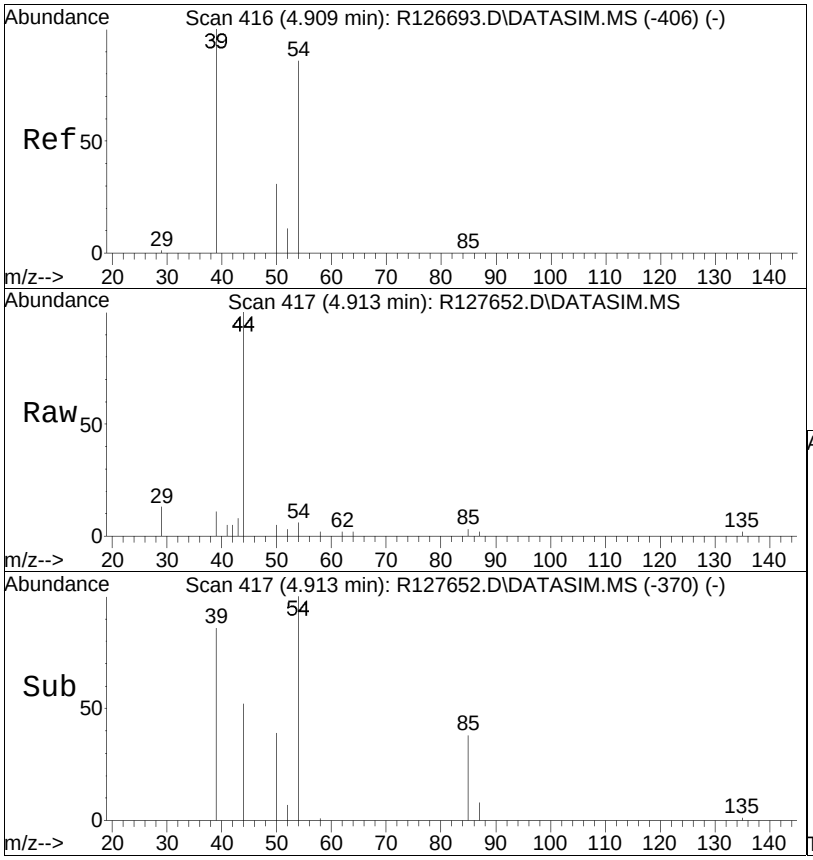


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 85 Resp: 501

Ion	Ratio	Lower	Upper
85	100		
87	45.7	26.5	39.7#
135	75.4	56.9	85.3

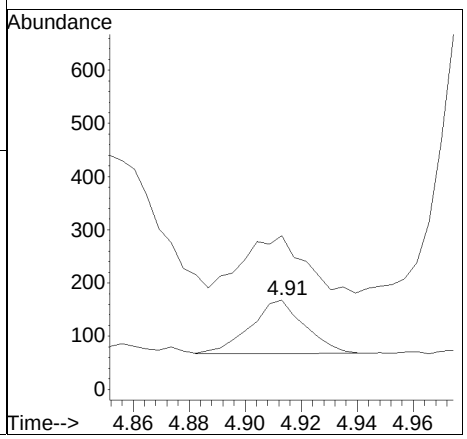


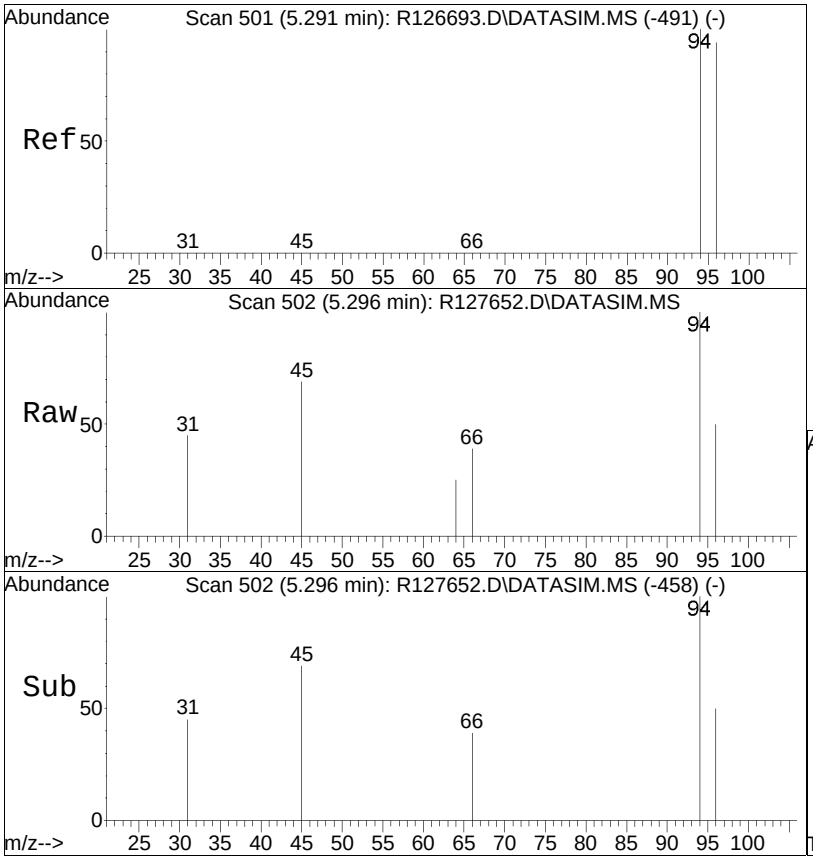


#7
1,3-butadiene
Concen: 0.01 ppbV
RT: 4.91 min Scan# 417
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 54 Resp: 135

Ion	Ratio	Lower	Upper
54	100		
39	172.0	92.4	138.6#

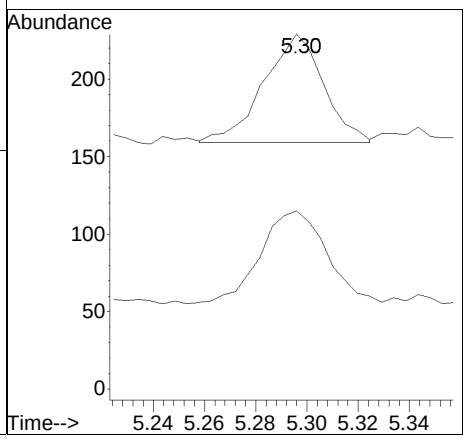


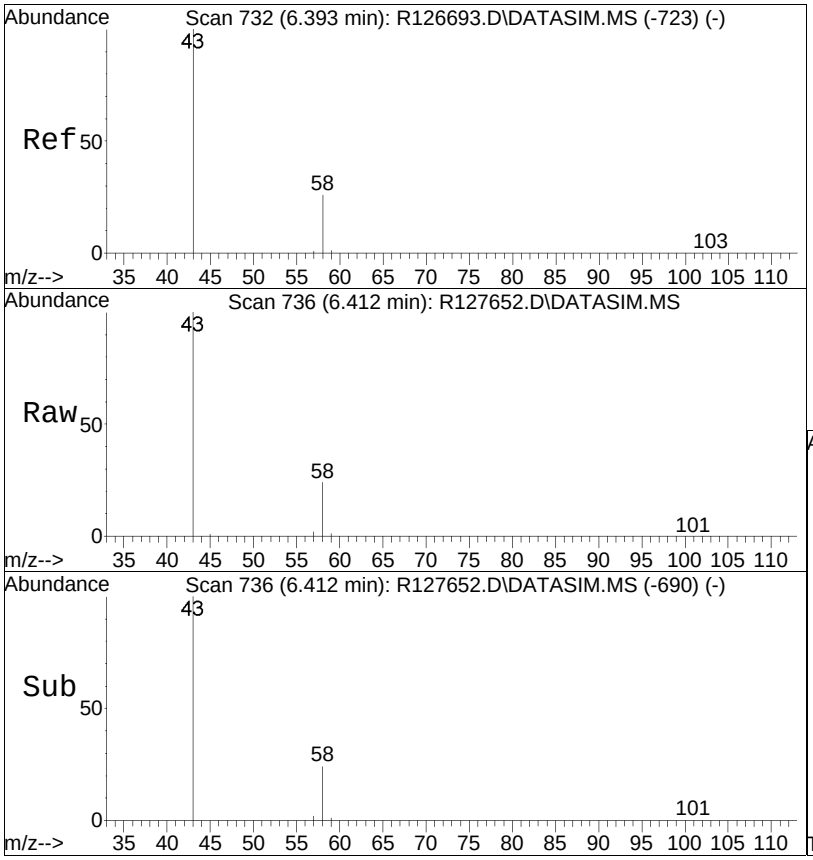


#8
bromomethane
Concen: 0.01 ppbV m
RT: 5.30 min Scan# 502
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 94 Resp: 114

Ion	Ratio	Lower	Upper
94	100		
96	50.2	76.9	115.3#

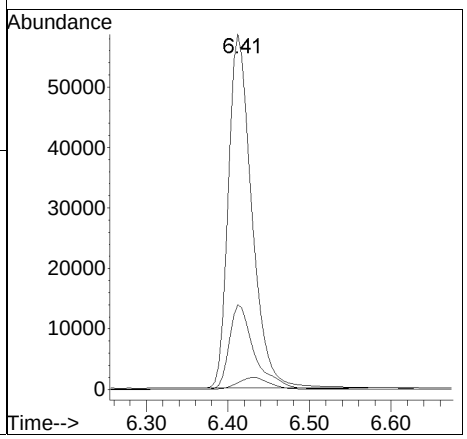


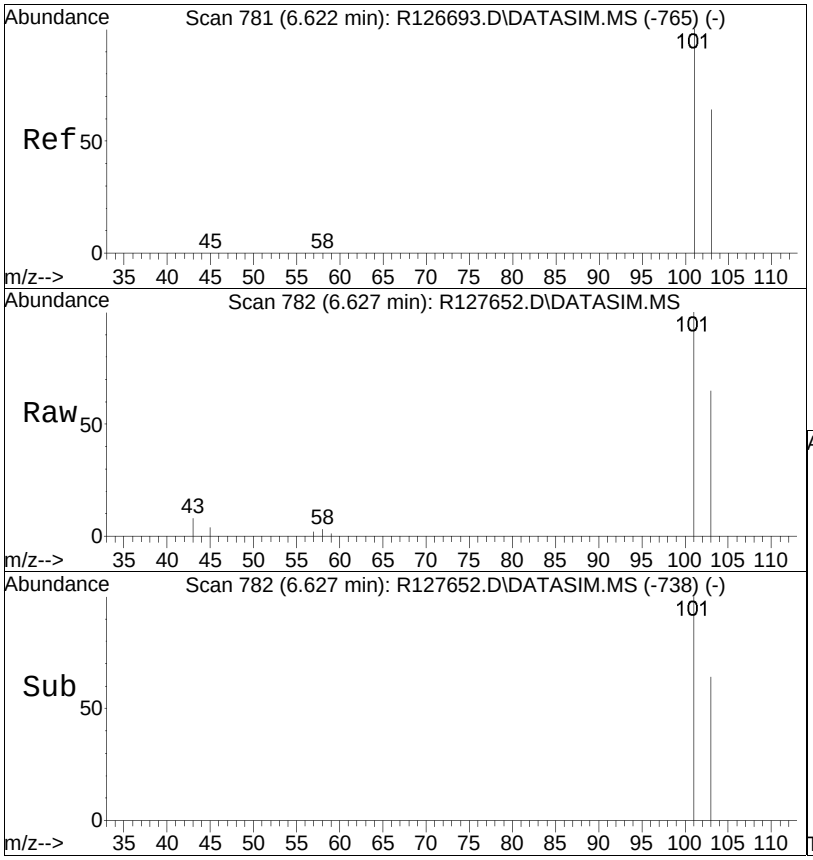


#12
acetone
Concen: 4.07 ppbV
RT: 6.41 min Scan# 736
Delta R.T. 0.019 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 43 Resp: 117080

Ion	Ratio	Lower	Upper
43	100		
58	23.8	20.0	30.0
57	1.8	0.6	1.0#

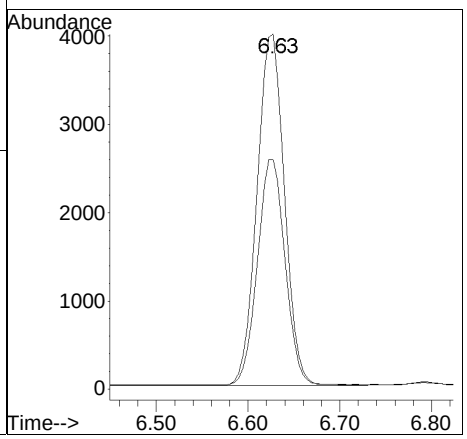


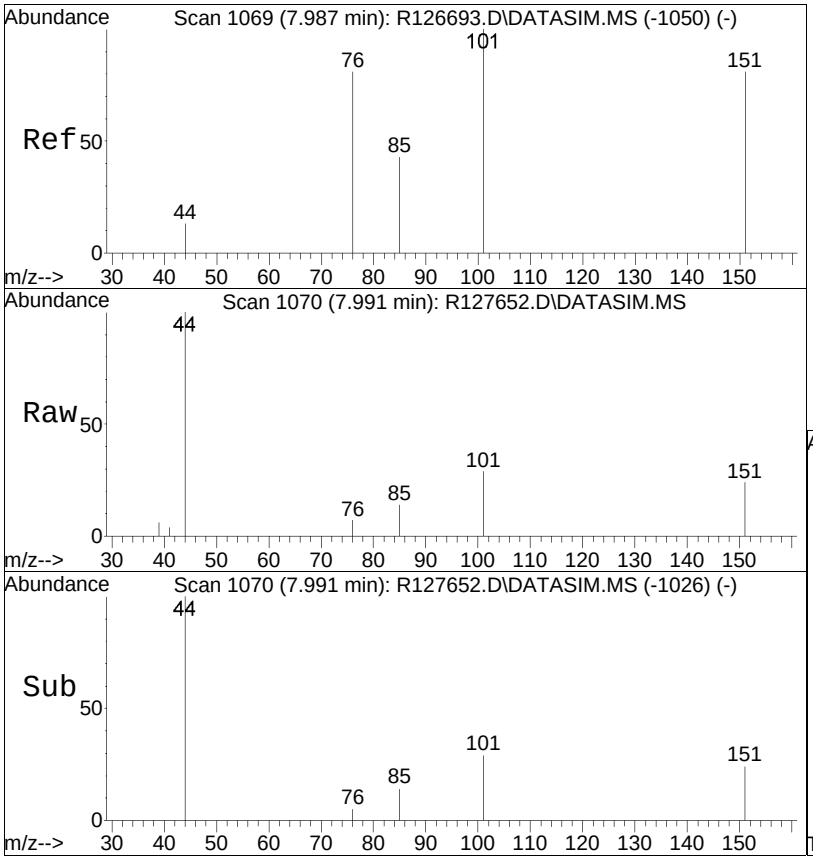


#13
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 6.63 min Scan# 782
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion:101 Resp: 8256

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

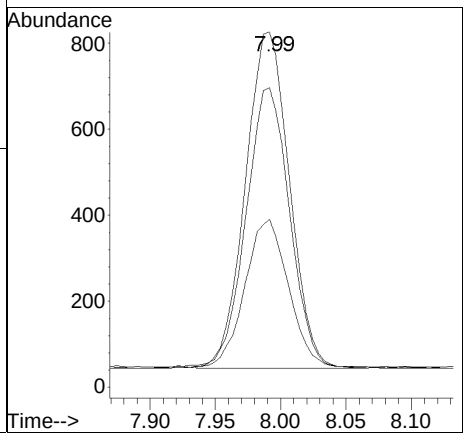


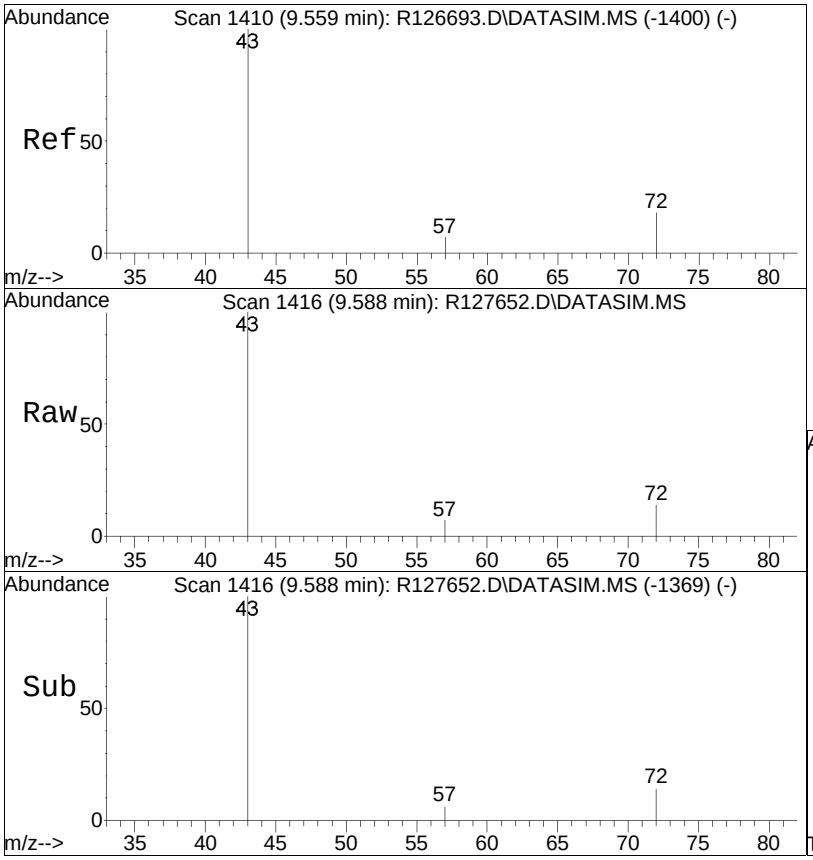


#20
Freon 113
Concen: 0.06 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion:101 Resp: 1830

Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.2	51.2
151	84.4	67.8	101.8

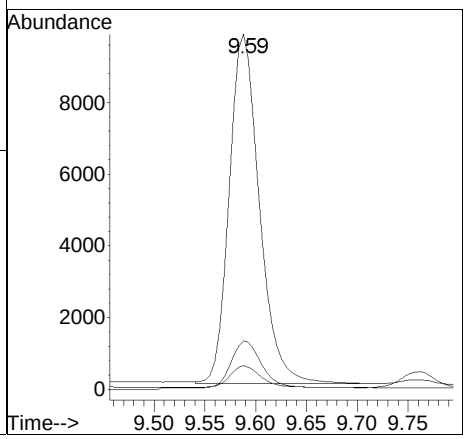


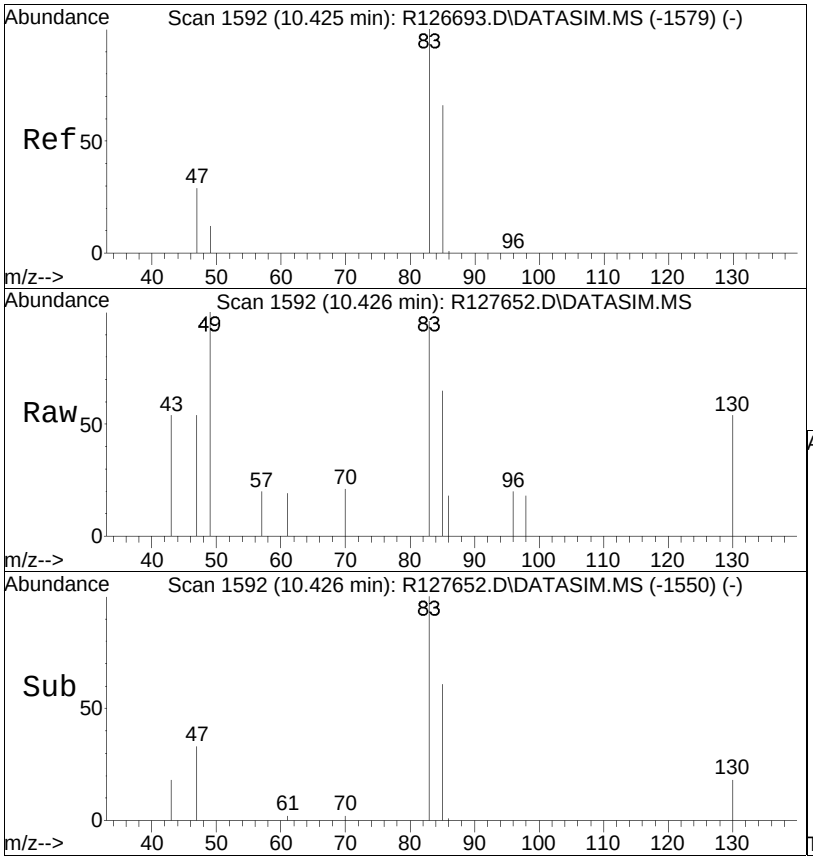


#26
2-butanone
Concen: 0.45 ppbV
RT: 9.59 min Scan# 1416
Delta R.T. 0.024 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 43 Resp: 20157

Ion	Ratio	Lower	Upper
43	100		
72	13.7	12.0	18.0
57	6.7	5.2	7.8

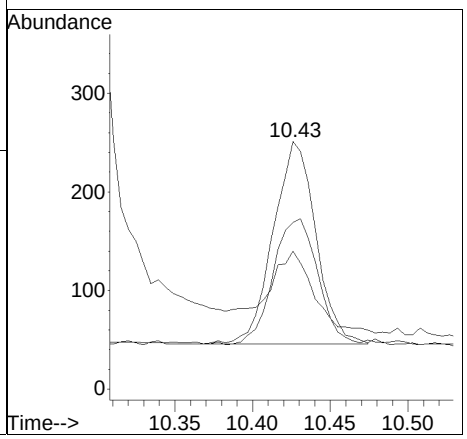


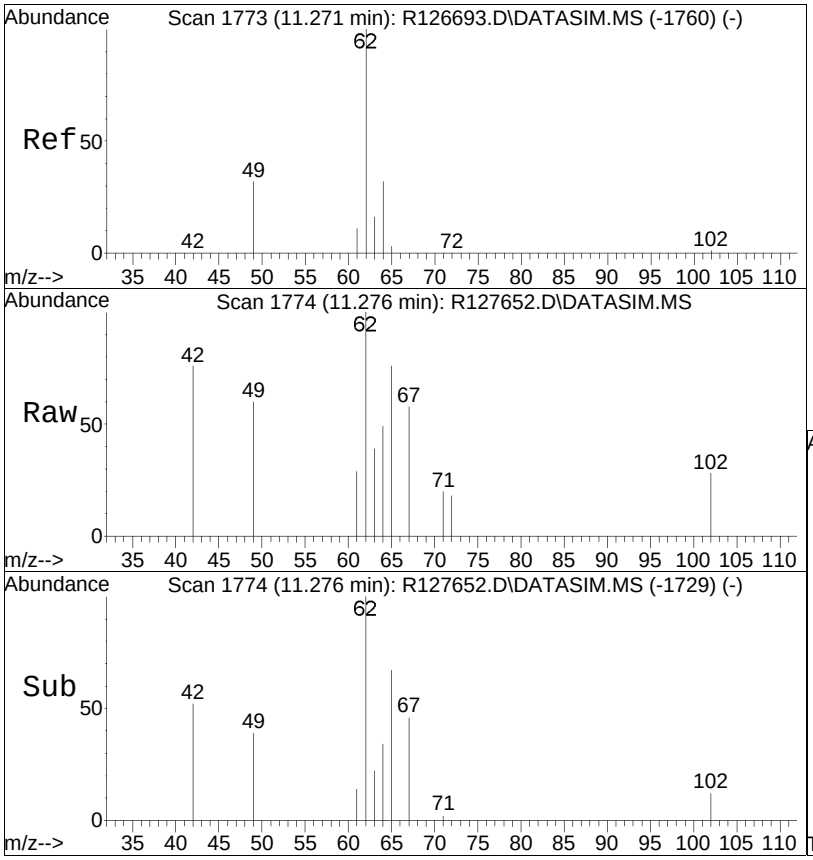


#29
chloroform
Concen: 0.01 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 83 Resp: 391

Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.2	78.2
47	55.8	26.4	39.6#

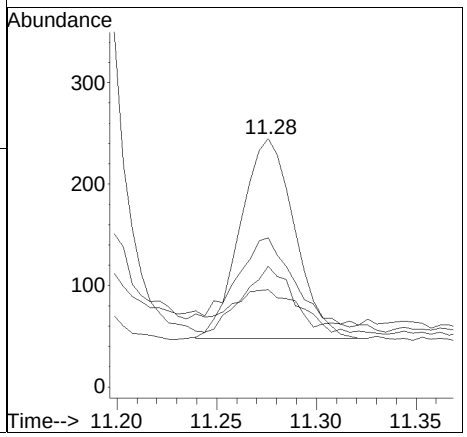


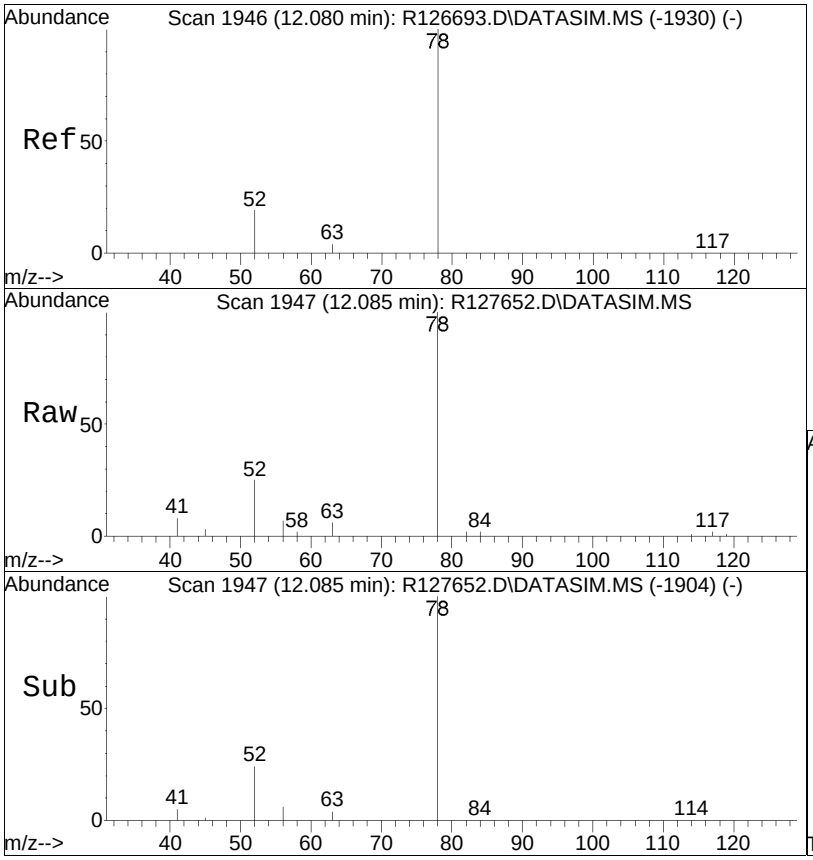


#31
1,2-dichloroethane
Concen: 0.02 ppbV
RT: 11.28 min Scan# 1774
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 62 Resp: 371

Ion	Ratio	Lower	Upper
62	100		
64	48.6	25.0	37.6#
49	60.0	31.2	46.8#
63	39.2	13.3	19.9#

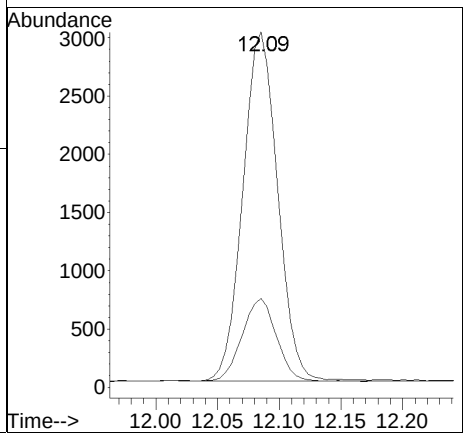


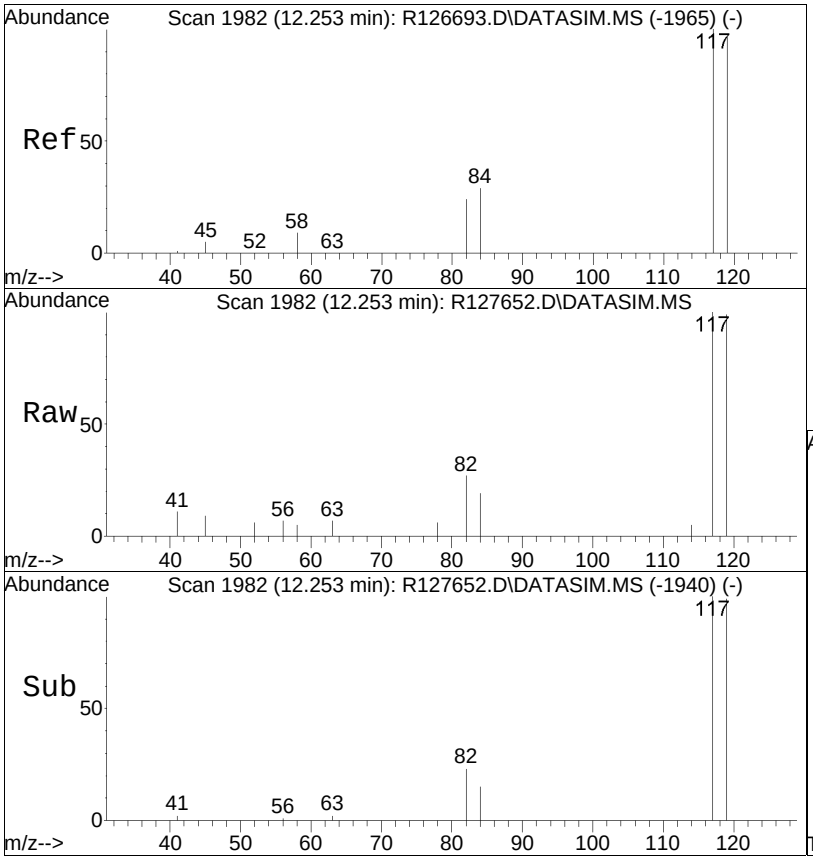


#36
benzene
Concen: 0.14 ppbV
RT: 12.09 min Scan# 1947
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 78 Resp: 5863

Ion	Ratio	Lower	Upper
78	100		
52	25.0	18.5	27.7

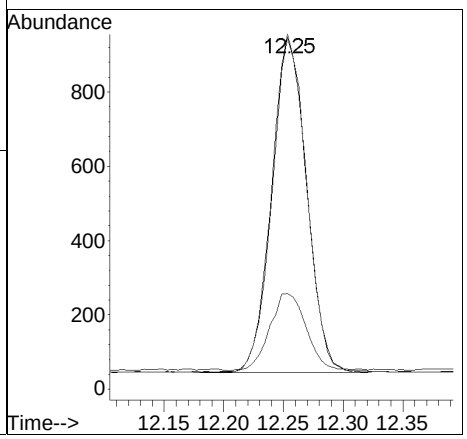


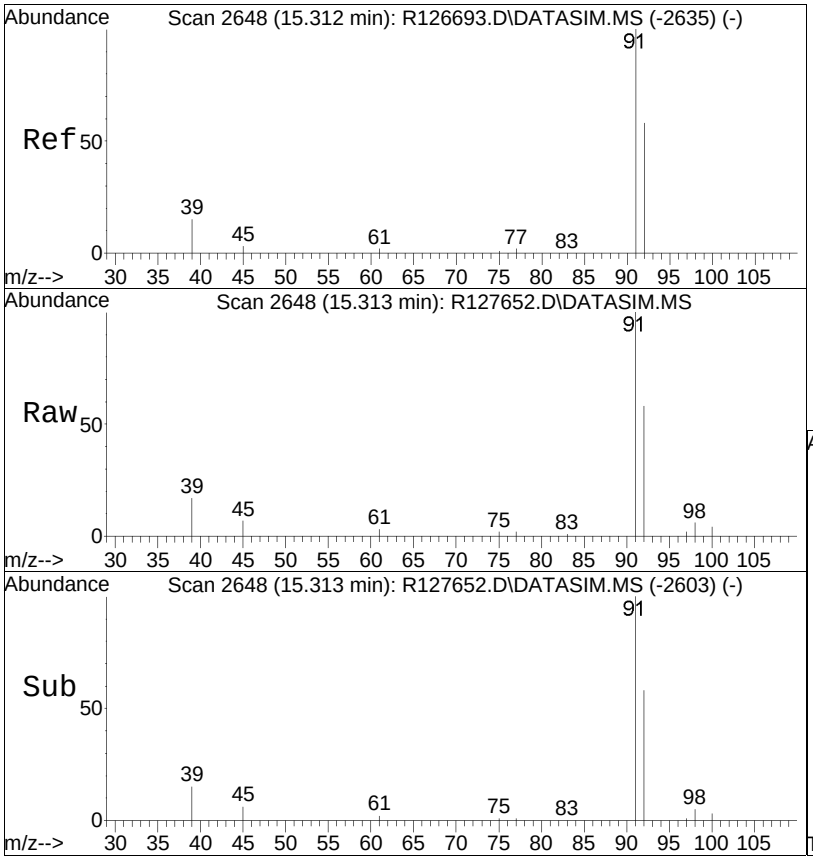


#37
carbon tetrachloride
Concen: 0.06 ppbV
RT: 12.25 min Scan# 1982
Delta R.T. 0.000 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion:117 Resp: 1853

Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.4	116.0
82	27.0	18.2	27.2

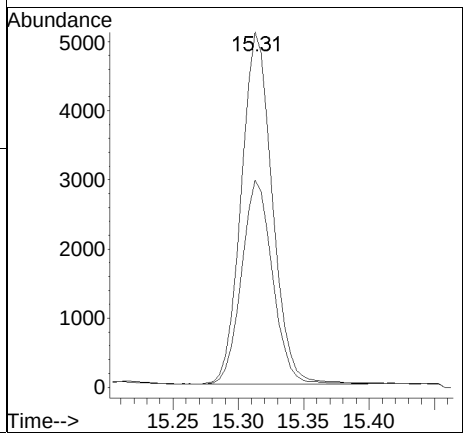


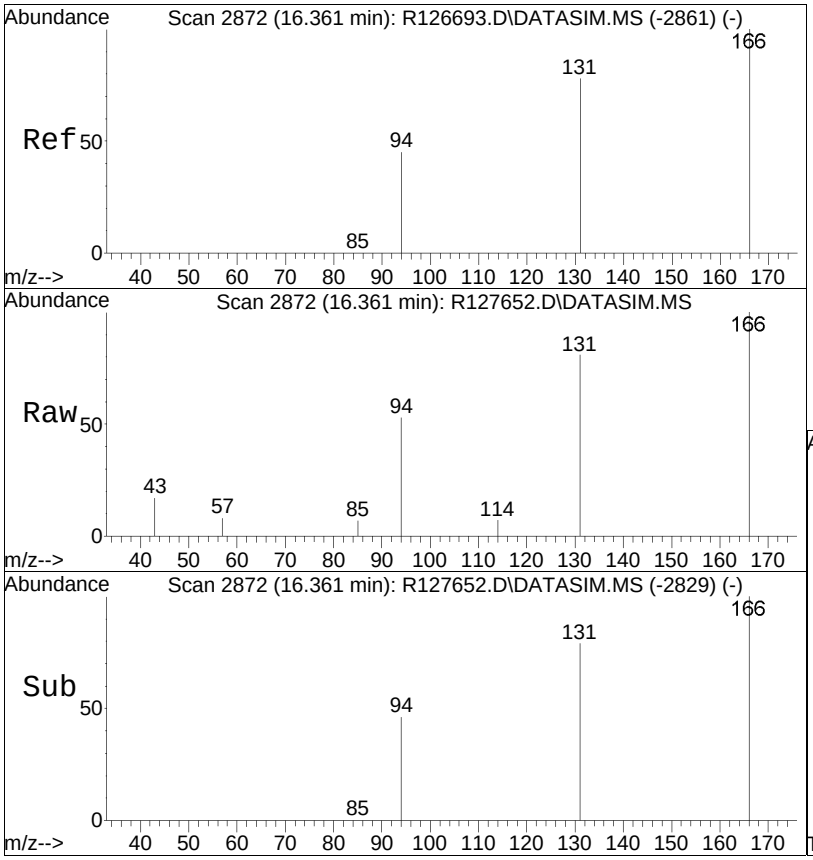


#50
toluene
Concen: 0.16 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 91 Resp: 8400

Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.4	69.6

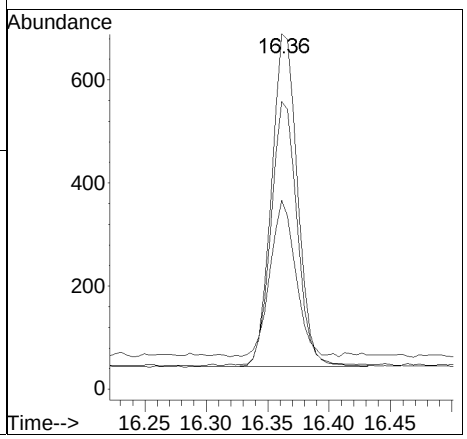


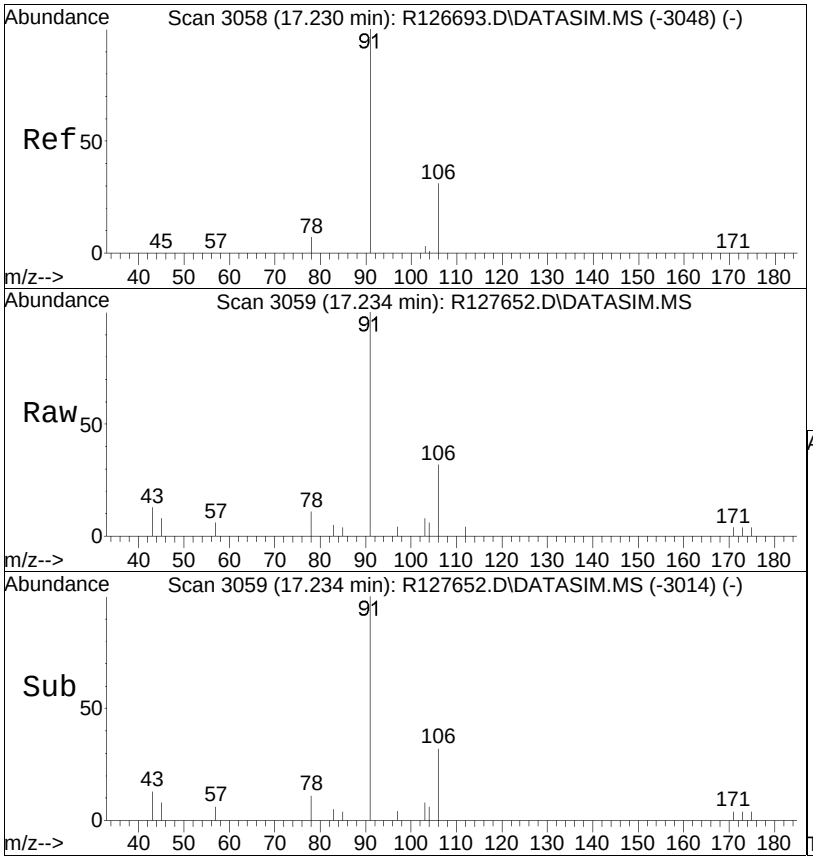


#55
tetrachloroethene
Concen: 0.03 ppbV
RT: 16.36 min Scan# 2872
Delta R.T. 0.000 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion:166 Resp: 952

Ion	Ratio	Lower	Upper
166	100		
131	81.0	60.6	90.8
94	53.1	32.2	48.2#

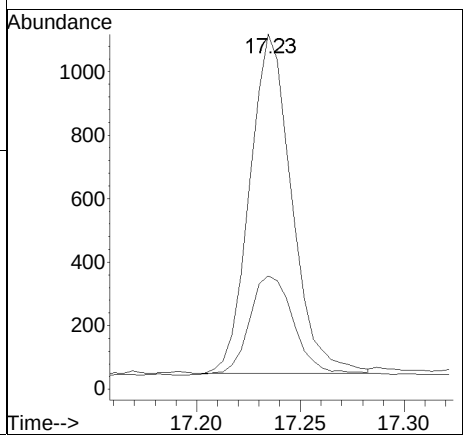


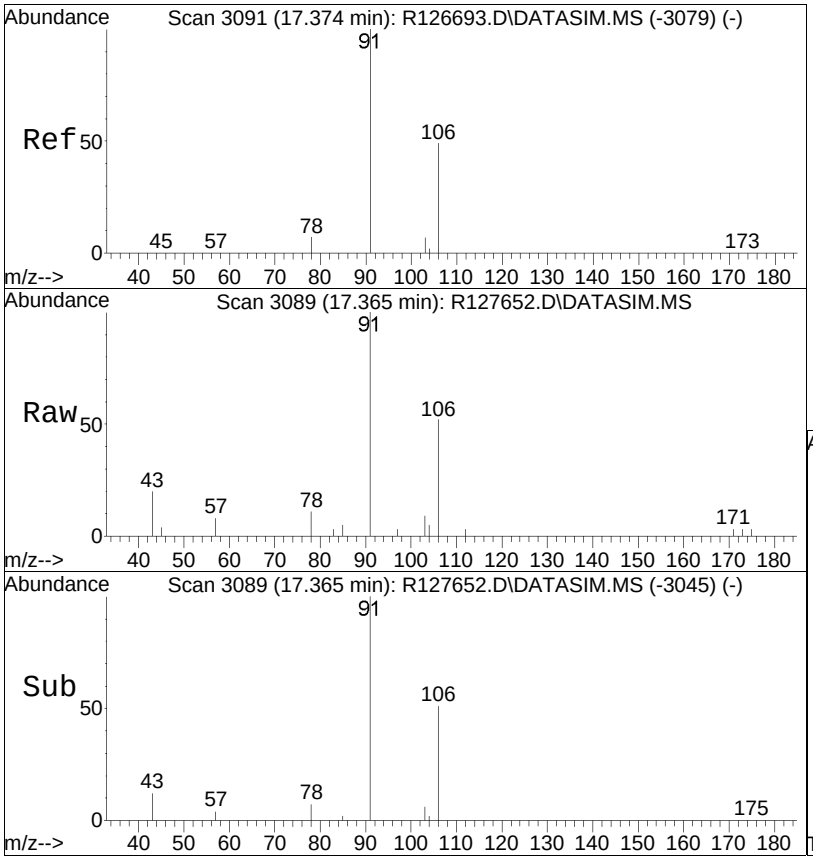


#58
ethylbenzene
Concen: 0.02 ppbV
RT: 17.23 min Scan# 3059
Delta R.T. 0.004 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 91 Resp: 1506

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9

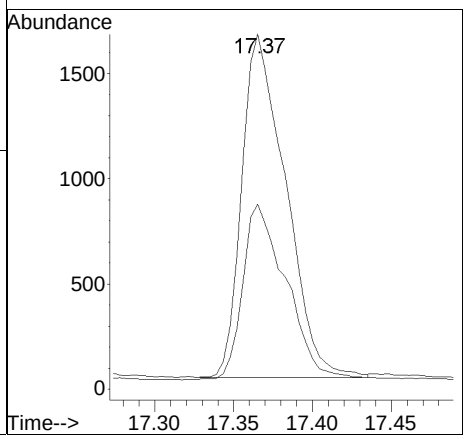


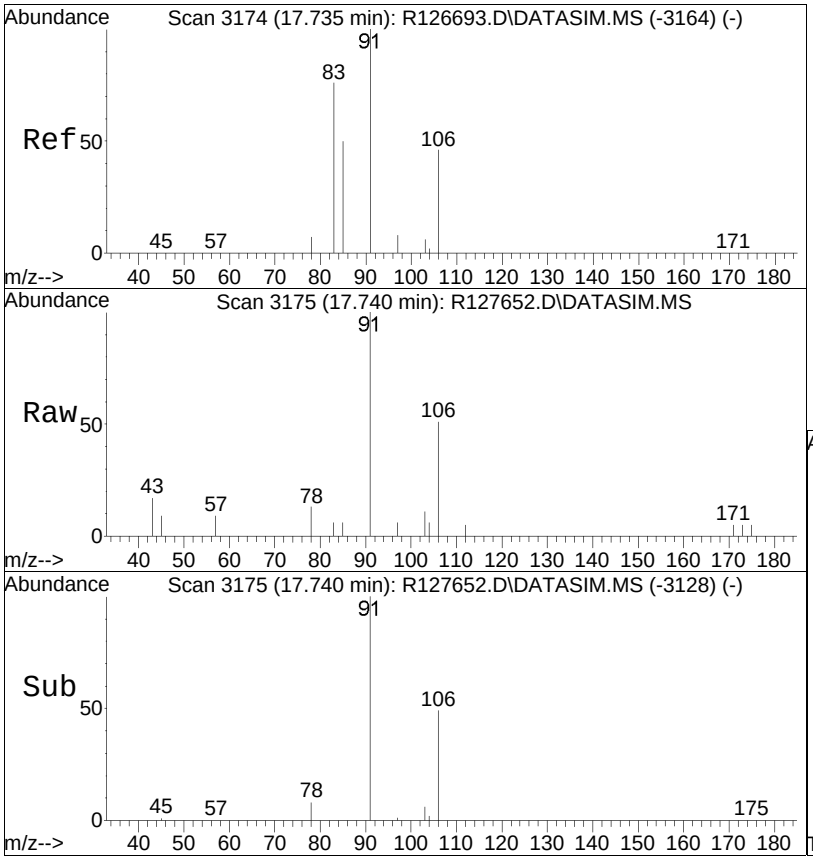


#59
m+p-xylene
Concen: 0.06 ppbV
RT: 17.37 min Scan# 3089
Delta R.T. -0.009 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 91 Resp: 3154

Ion	Ratio	Lower	Upper
91	100		
106	52.1	40.0	60.0

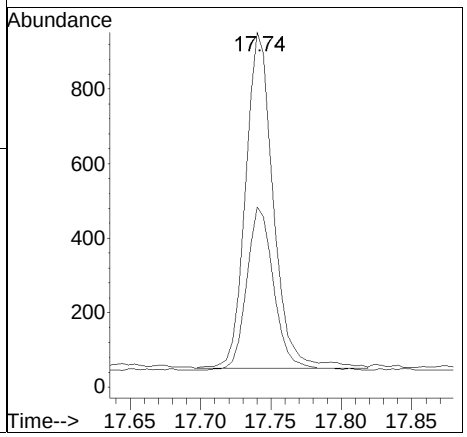


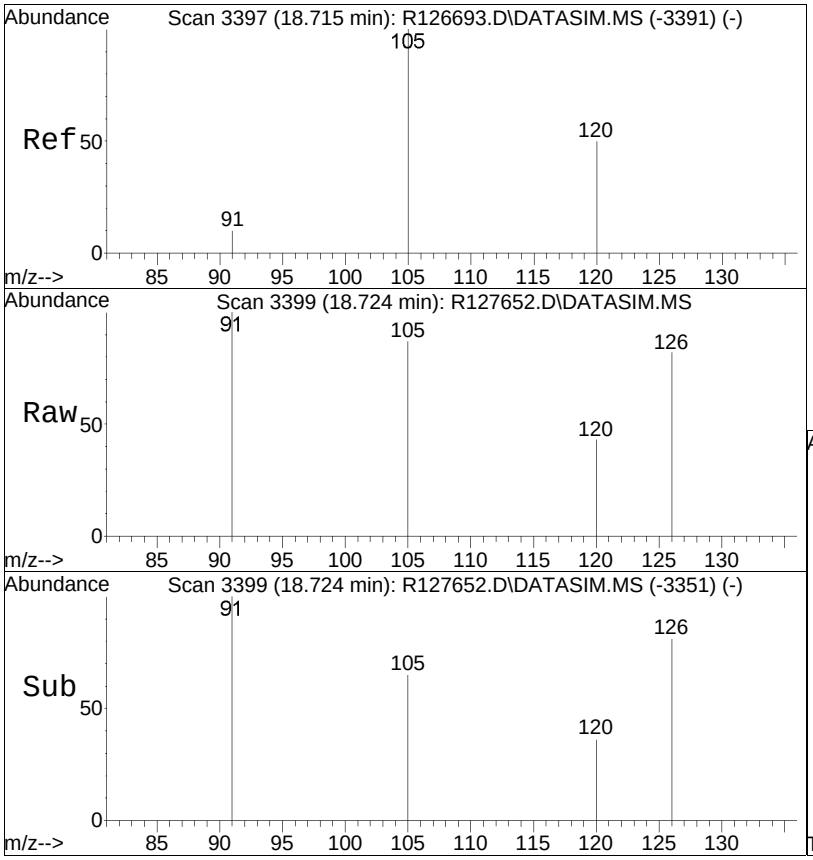


#63
o-xylene
Concen: 0.02 ppbV
RT: 17.74 min Scan# 3175
Delta R.T. 0.004 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion: 91 Resp: 1238

Ion	Ratio	Lower	Upper
91	100		
106	50.8	37.1	55.7

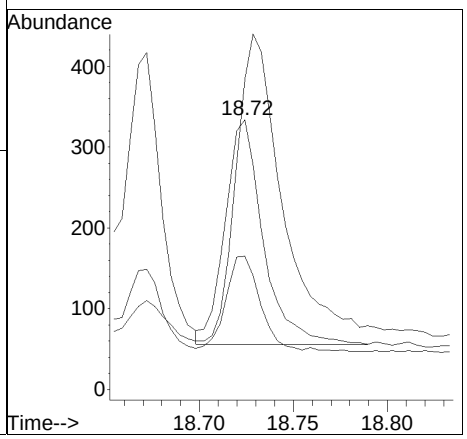


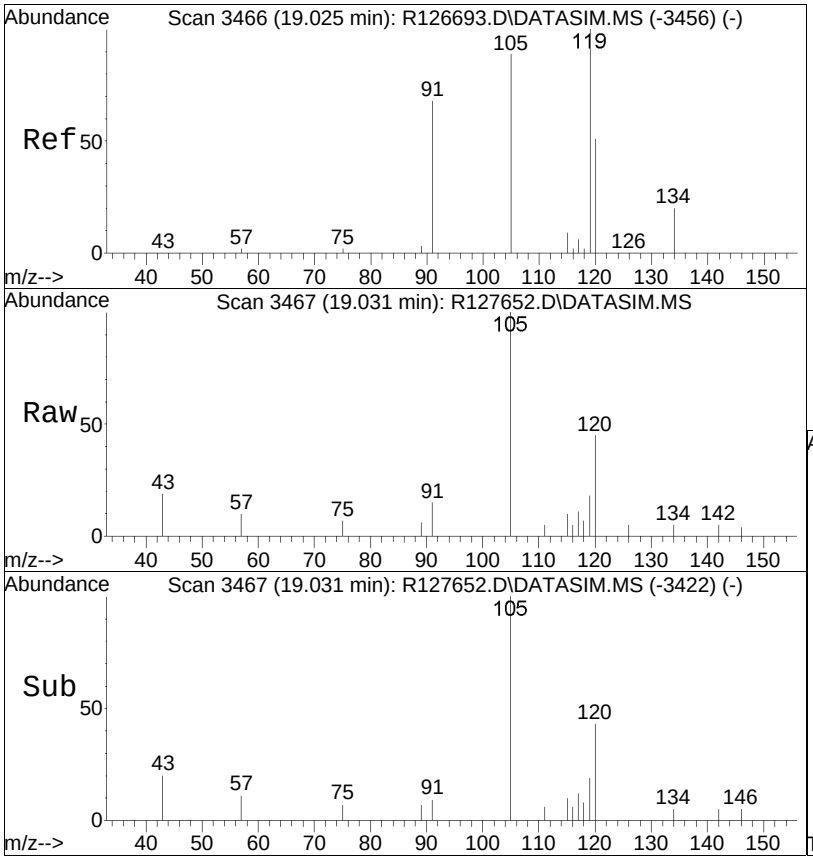


#67
1,3,5-trimethylbenzene
Concen: 0.01 ppbV
RT: 18.72 min Scan# 3399
Delta R.T. 0.009 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion:105 Resp: 393

Ion	Ratio	Lower	Upper
105	100		
120	49.4	39.0	58.4
91	115.0	8.0	12.0#

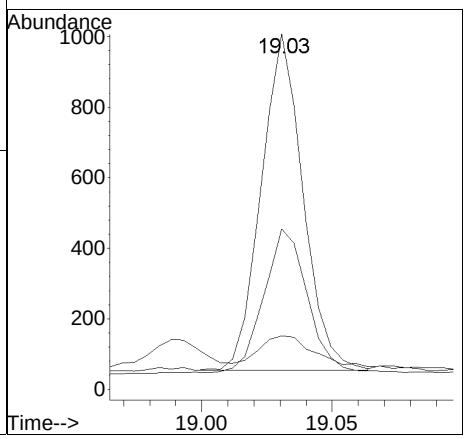




#69
1,2,4-trimethylbenzene
Concen: 0.02 ppbV
RT: 19.03 min Scan# 3467
Delta R.T. 0.005 min
Lab File: R127652.D
Acq: 12 Apr 2013 11:01 pm

Tgt Ion:105 Resp: 1062

Ion	Ratio	Lower	Upper
105	100		
120	45.2	44.9	67.3
91	15.1	58.6	88.0#

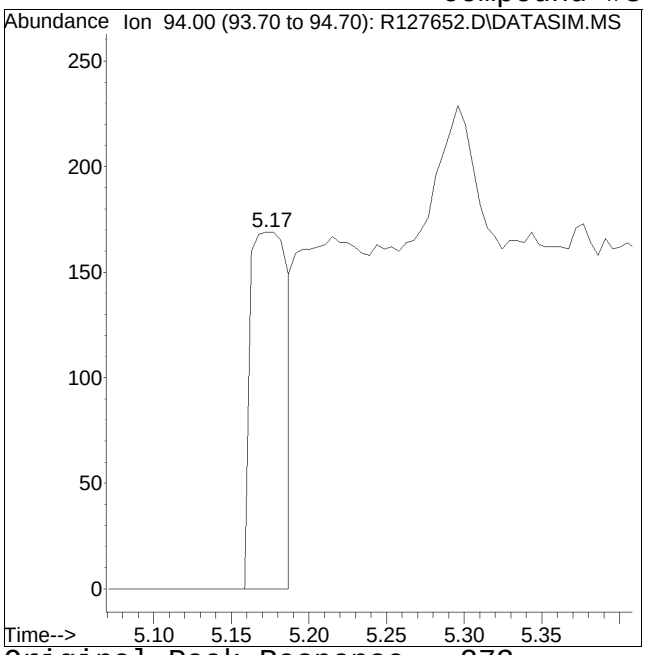


Manual Integration/Negative Proof Report

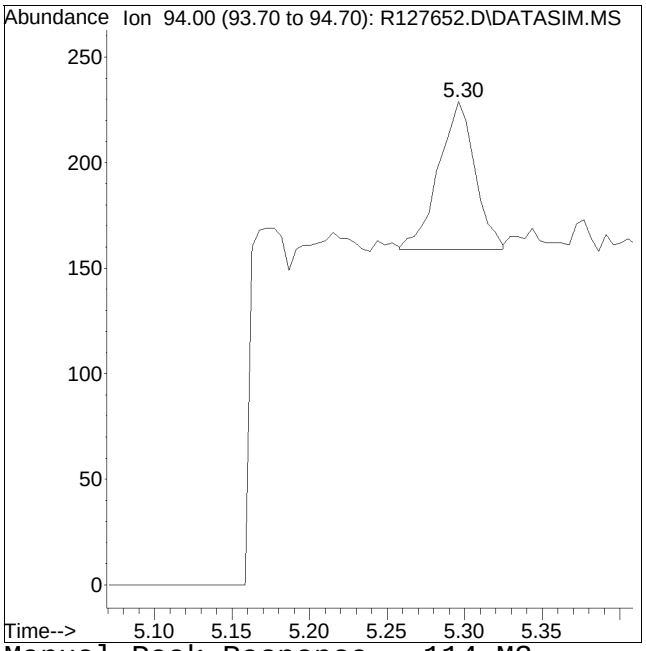
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127652.D
Date Inj'd : 4/12/2013 11:01 pm
Sample : WG601403-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #8: bromomethane



Original Peak Response = 273



Manual Peak Response = 114 M3

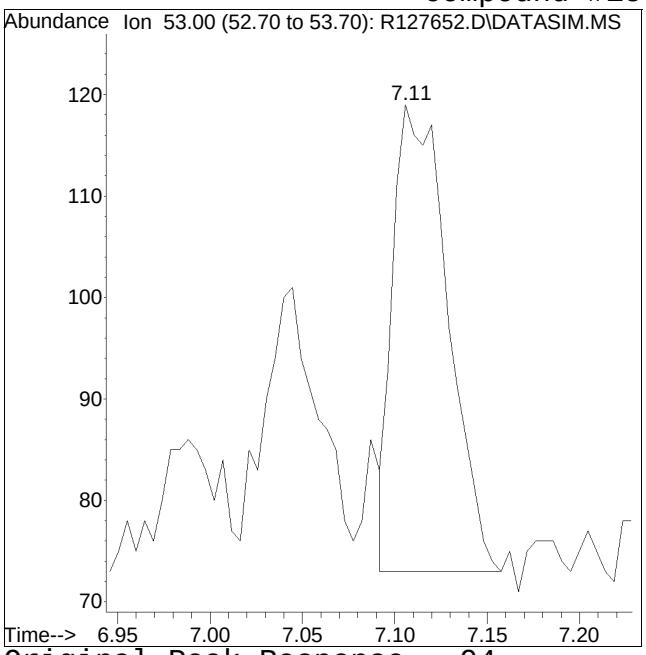
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

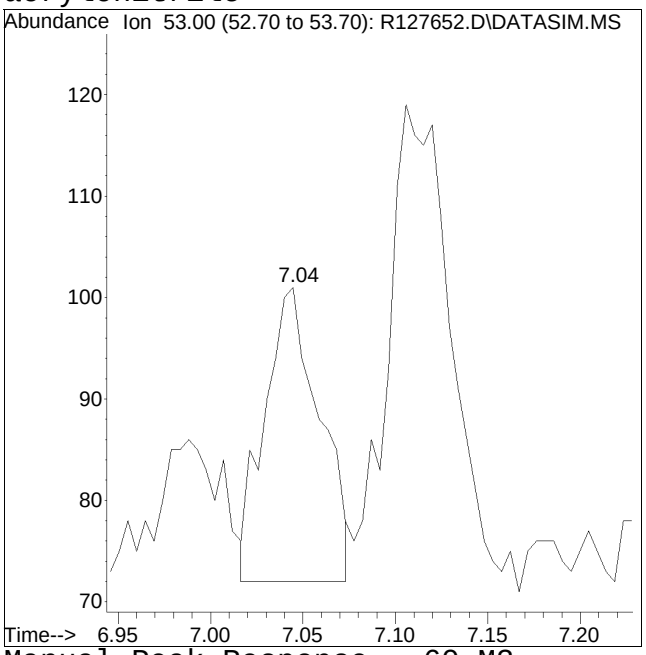
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127652.D
Date Inj'd : 4/12/2013 11:01 pm
Sample : WG601403-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #15: acrylonitrile



Original Peak Response = 94



Manual Peak Response = 60 M3

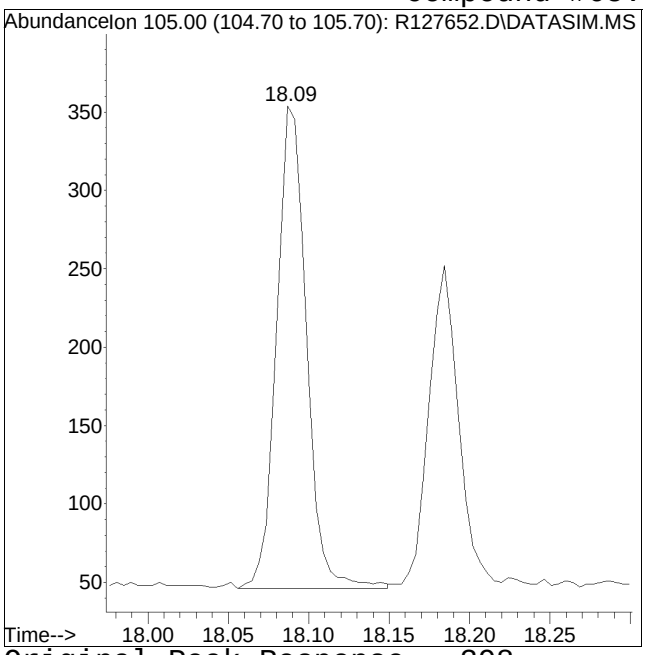
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

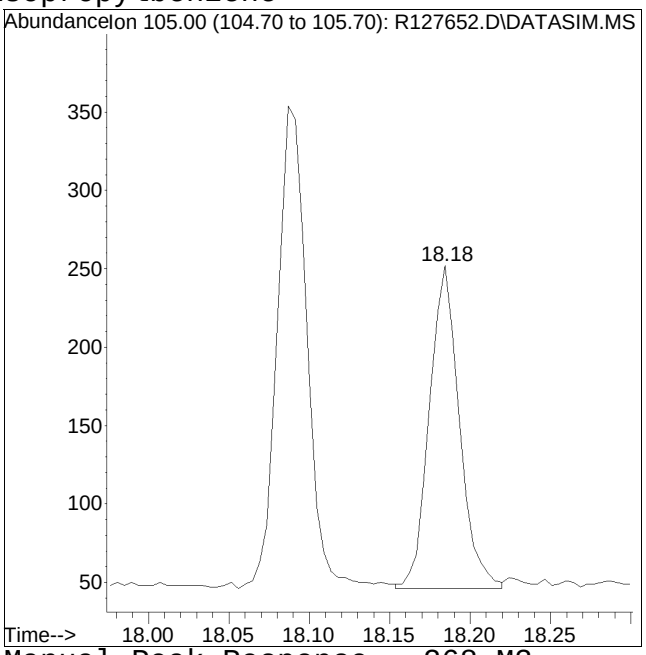
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127652.D
Date Inj'd : 4/12/2013 11:01 pm
Sample : WG601403-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #65: isopropylbenzene





Original Peak Response = 398 Manual Peak Response = 268 M3

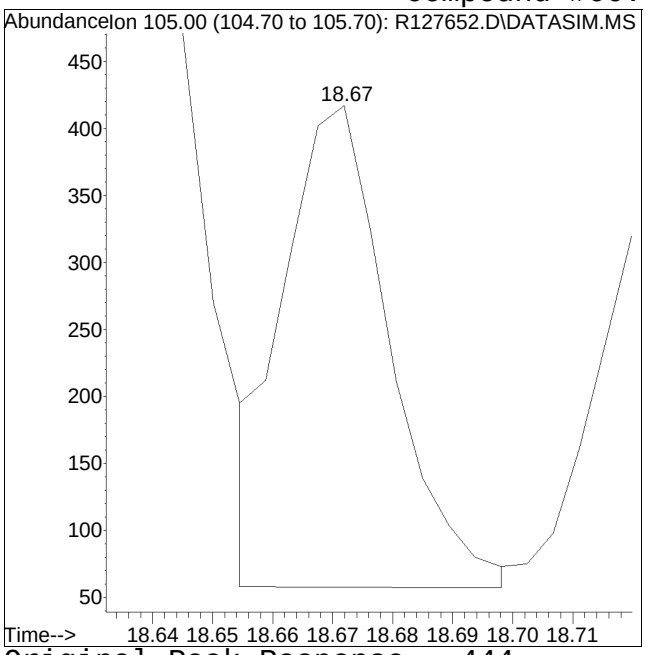
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

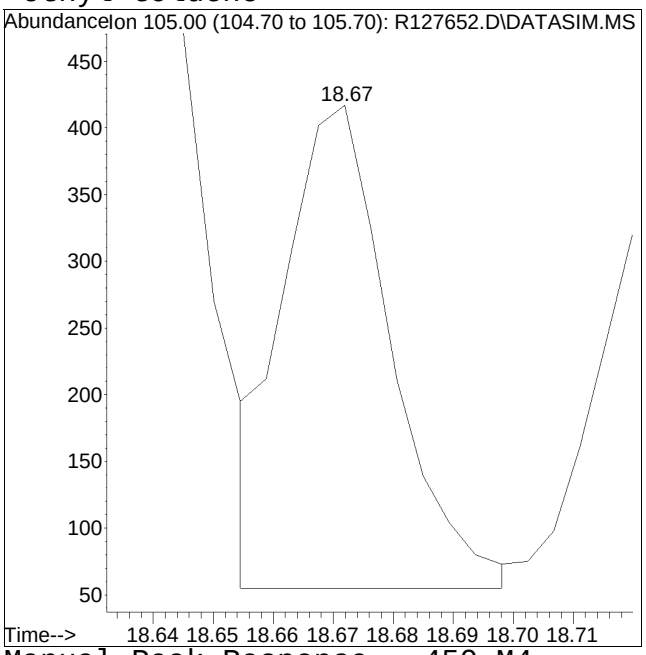
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127652.D
Date Inj'd : 4/12/2013 11:01 pm
Sample : WG601403-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/13/2013 6:00 am

Compound #66: 4-ethyl toluene



Original Peak Response = 444



Manual Peak Response = 450 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127666.D
Acq On : 15 Apr 2013 5:07 pm
Operator : AIRPIANO1:MB
Sample : WG601750-5,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:21:59 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	10.27	49	244518	10.000	ppbV	0.00
Standard Area = 277541			Recovery = 88.10%			
32) 1,4-difluorobenzene	12.49	114	570742	10.000	ppbV	0.00
Standard Area = 568916			Recovery = 100.32%			
49) chlorobenzene-D5	16.90	54	139641	10.000	ppbV	0.00
Standard Area = 138075			Recovery = 101.13%			
System Monitoring Compounds						
Target Compounds						Qvalue
3) dichlorodifluoromethane	4.18	85	13964	0.441	ppbV	99
4) chloromethane	4.40	50	5296	0.318	ppbV	99
5) Freon-114	4.55	85	498	0.014	ppbV #	82
6) vinyl chloride	4.71	62	105	0.007	ppbV #	37
7) 1,3-butadiene	4.91	54	3833	0.340	ppbV	93
8) bromomethane	5.29	94	856	0.068	ppbV	81
9) chloroethane	5.55	64	187	0.030	ppbV #	11
12) acetone	6.39	43	892099	33.719	ppbV	99
13) trichlorofluoromethane	6.62	101	6732	0.177	ppbV	100
15) acrylonitrile	7.04	53	3015M4	0.234	ppbV	
16) 1,1-dichloroethene	7.47		0	N.D.		
17) methylene chloride	7.64	49	16480	0.745	ppbV	100
20) Freon 113	7.99	101	1758	0.067	ppbV	99
22) trans-1,2-dichloroethene	0.00		0	N.D.		
23) 1,1-dichloroethane	9.13	63	459M4	0.017	ppbV	
24) MTBE	0.00		0	N.D.	d	
26) 2-butanone	9.56	43	191008	4.606	ppbV	97
27) cis-1,2-dichloroethene	10.11		0	N.D.		
29) chloroform	10.43	83	2510	0.088	ppbV #	62
31) 1,2-dichloroethane	11.28		0	N.D.		
35) 1,1,1-trichloroethane	11.56	97	5668	0.186	ppbV	95
36) benzene	12.08	78	40480	0.898	ppbV	99
37) carbon tetrachloride	12.26	117	976	0.029	ppbV #	79
39) 1,2-dichloropropane	13.01		0	N.D.		
40) bromodichloromethane	0.00		0	N.D.	d	
42) trichloroethene	13.28	130	1097	0.050	ppbV	100
45) cis-1,3-dichloropropene	14.25		0	N.D.		
46) 4-methyl-2-pentanone	14.32	43	23472	0.458	ppbV	99
47) trans-1,3-dichloropropene	14.87		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127666.D
Acq On : 15 Apr 2013 5:07 pm
Operator : AIRPIANO1:MB
Sample : WG601750-5,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:21:59 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

Sub List : SE_SND_SIM - All compounds listed

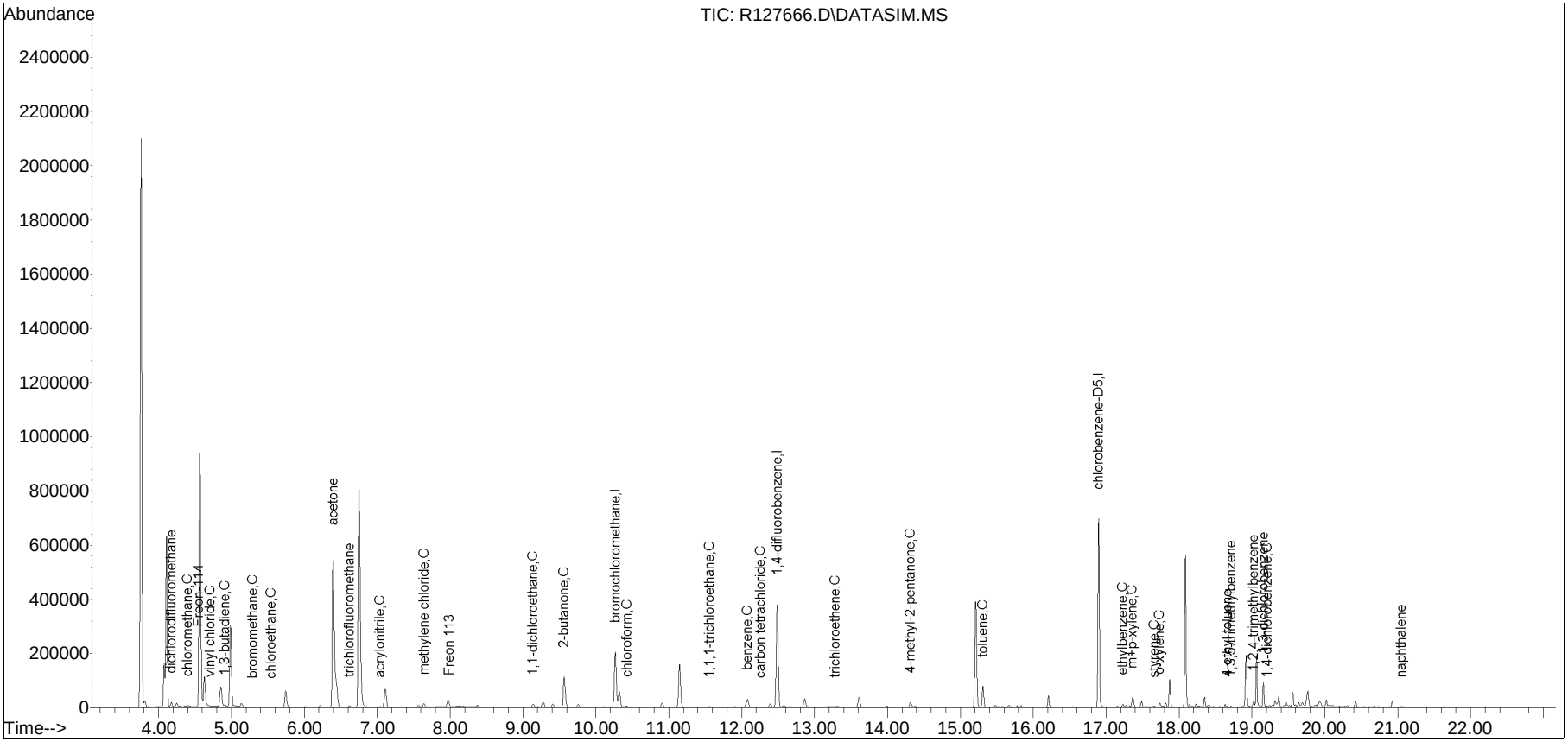
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,2-trichloroethane	0.00		0	N.D.			
50) toluene	15.31	91	70319	1.242	ppbV		100
53) dibromochloromethane	0.00		0	N.D.			
54) 1,2-dibromoethane	15.86		0	N.D.			
55) tetrachloroethene	16.36		0	N.D.			
56) 1,1,1,2-tetrachloroethane	16.90		0	N.D.			
57) chlorobenzene	0.00		0	N.D.	d		
58) ethylbenzene	17.23	91	11568	0.160	ppbV		100
59) m+p-xylene	17.36	91	24627	0.437	ppbV		100
60) bromoform	17.45		0	N.D.			
61) styrene	17.66	104	1217M4	0.028	ppbV		
62) 1,1,2,2-tetrachloroethane	17.72		0	N.D.			
63) o-xylene	17.74	91	11235	0.191	ppbV		98
65) isopropylbenzene	18.18		0	N.D.			
66) 4-ethyl toluene	18.66	105	4968	0.058	ppbV	#	95
67) 1,3,5-trimethylbenzene	18.72	105	4846	0.069	ppbV	#	98
69) 1,2,4-trimethylbenzene	19.03	105	14905	0.212	ppbV	#	53
71) 1,3-dichlorobenzene	19.16	146	62486	1.177	ppbV		94
72) 1,4-dichlorobenzene	19.21	146	2170M4	0.040	ppbV		
73) sec-butylbenzene	19.22		0	N.D.			
74) p-isopropyltoluene	19.34		0	N.D.			
75) 1,2-dichlorobenzene	19.48		0	N.D.			
76) n-butylbenzene	19.66		0	N.D.			
77) 1,2,4-trichlorobenzene	20.93		0	N.D.			
78) naphthalene	21.05	128	4195M6	0.041	ppbV		
79) 1,2,3-trichlorobenzene	21.30		0	N.D.			
80) hexachlorobutadiene	21.36		0	N.D.			

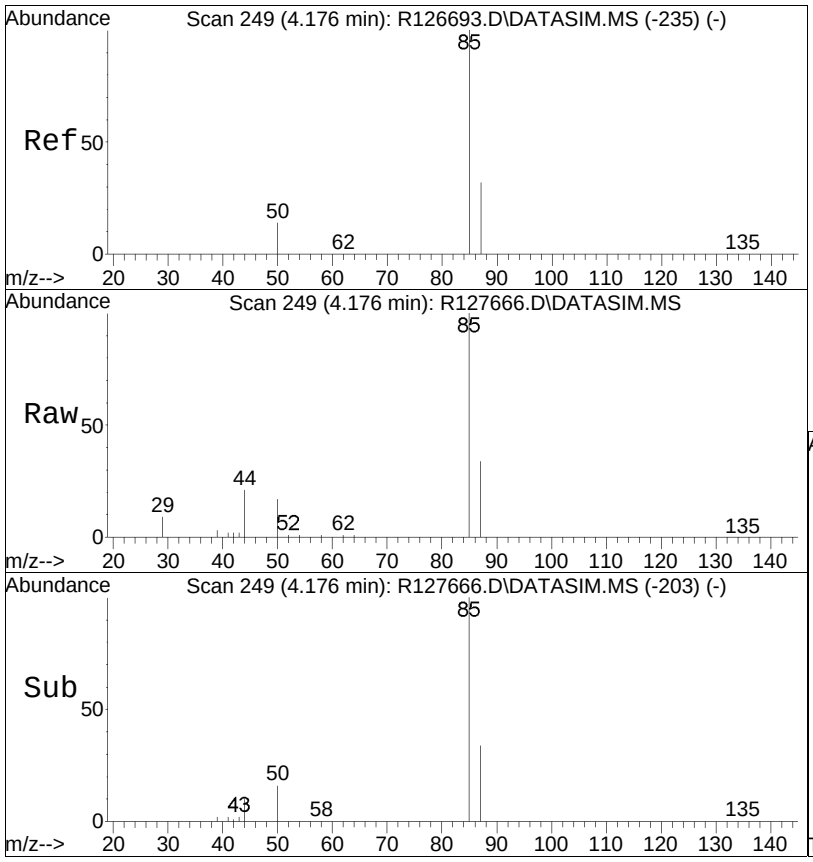
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : SE_SND_SIM - All compounds listedviewed)

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127666.D
Acq On : 15 Apr 2013 5:07 pm
Operator : AIRPIANO1:MB
Sample : WG601750-5,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:21:59 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013
Response via : Initial Calibration

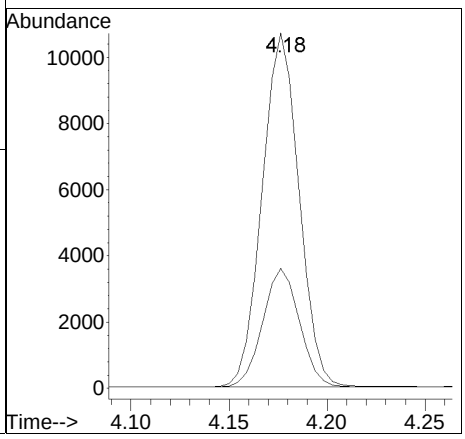


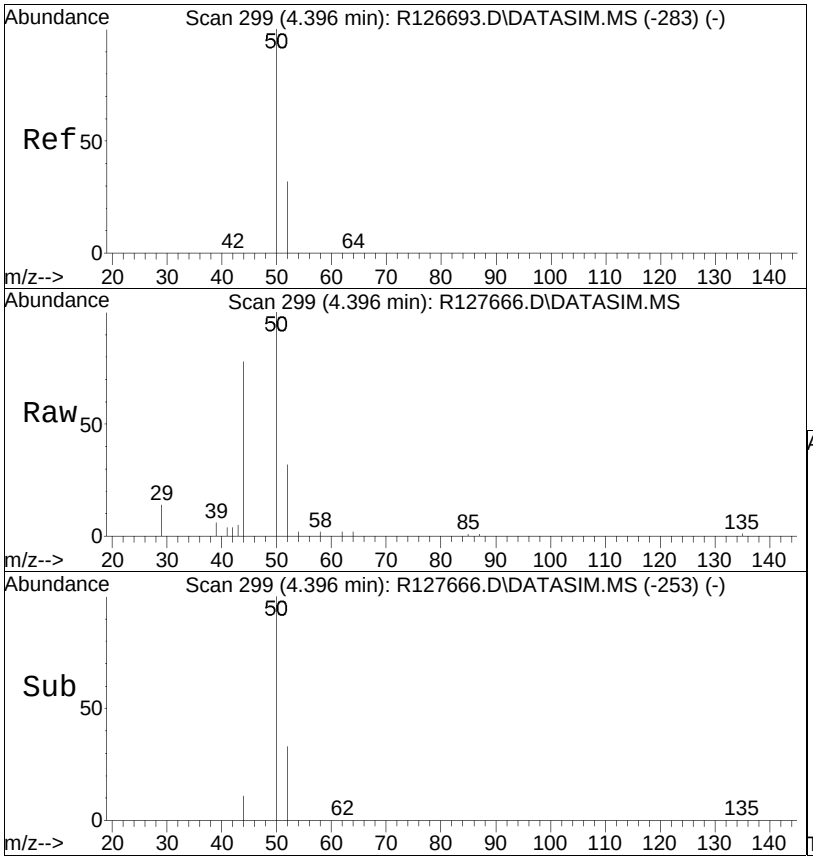


#3
dichlorodifluoromethane
Concen: 0.44 ppbV
RT: 4.18 min Scan# 249
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 85 Resp: 13964

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.6	40.0

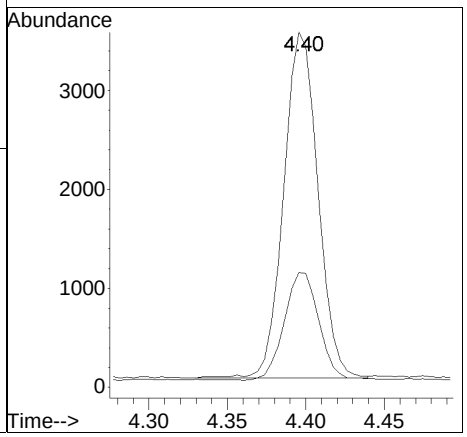


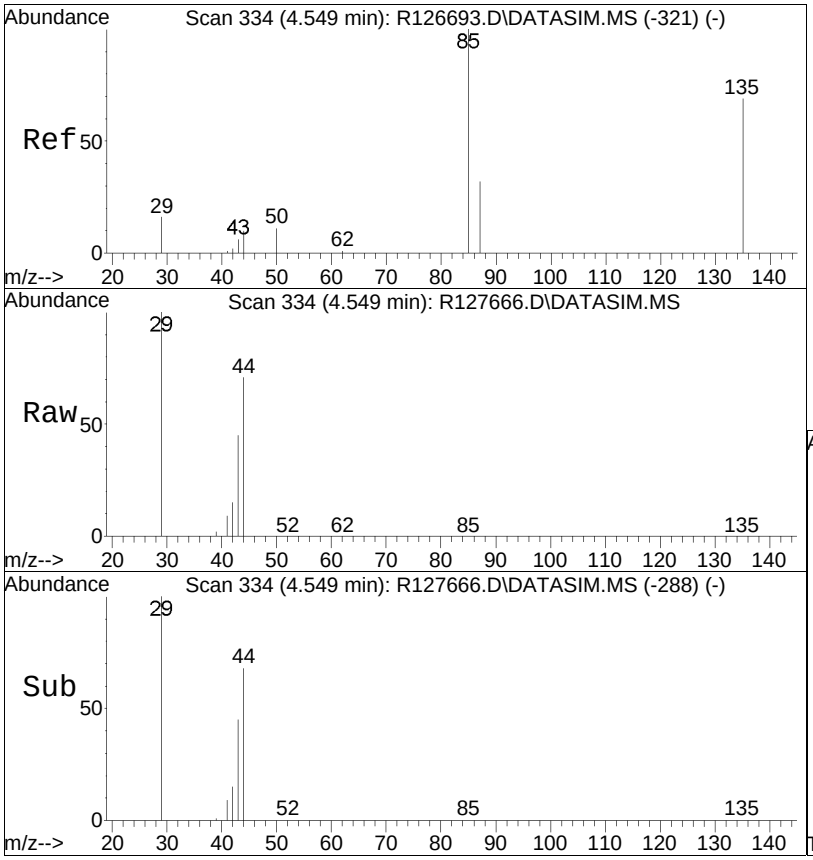


#4
chloromethane
Concen: 0.32 ppbV
RT: 4.40 min Scan# 299
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 50 Resp: 5296

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.3	37.9

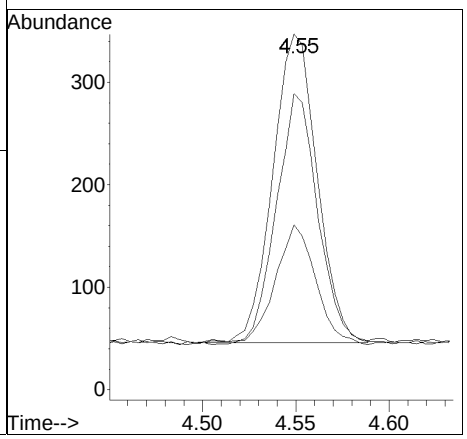


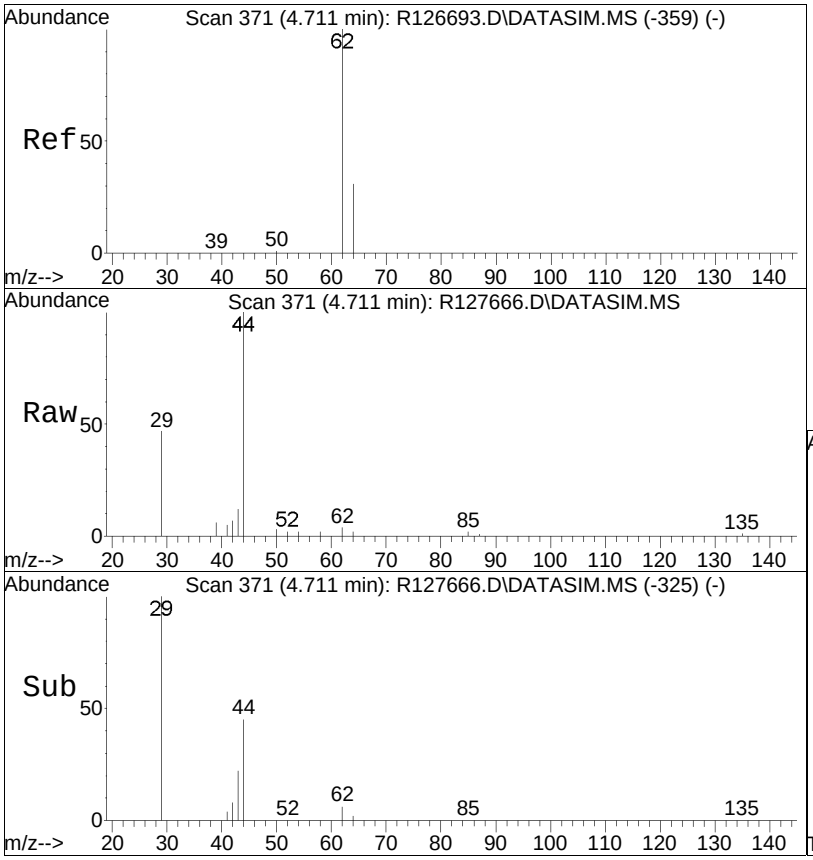


#5
Freon-114
Concen: 0.01 ppbV
RT: 4.55 min Scan# 334
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 85 Resp: 498

Ion	Ratio	Lower	Upper
85	100		
87	46.4	26.5	39.7#
135	83.3	56.9	85.3

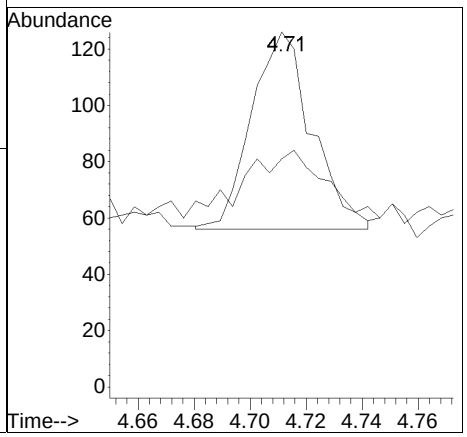


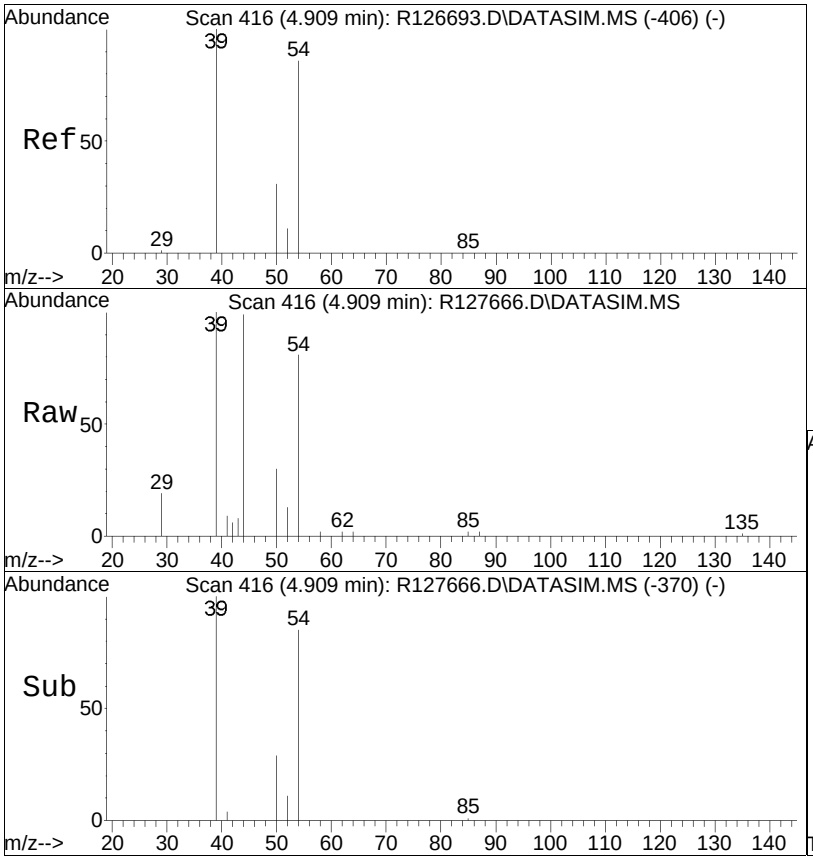


#6
vinyl chloride
Concen: 0.01 ppbV
RT: 4.71 min Scan# 371
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 62 Resp: 105

Ion	Ratio	Lower	Upper
62	100		
64	64.3	24.0	36.0#

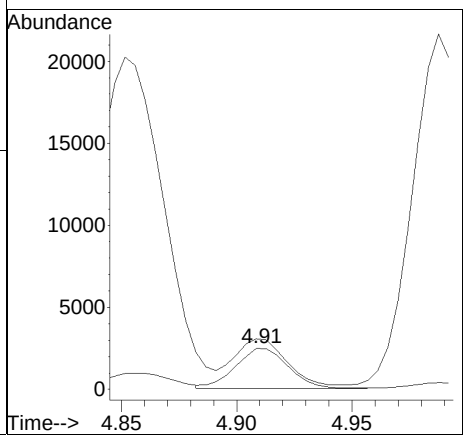


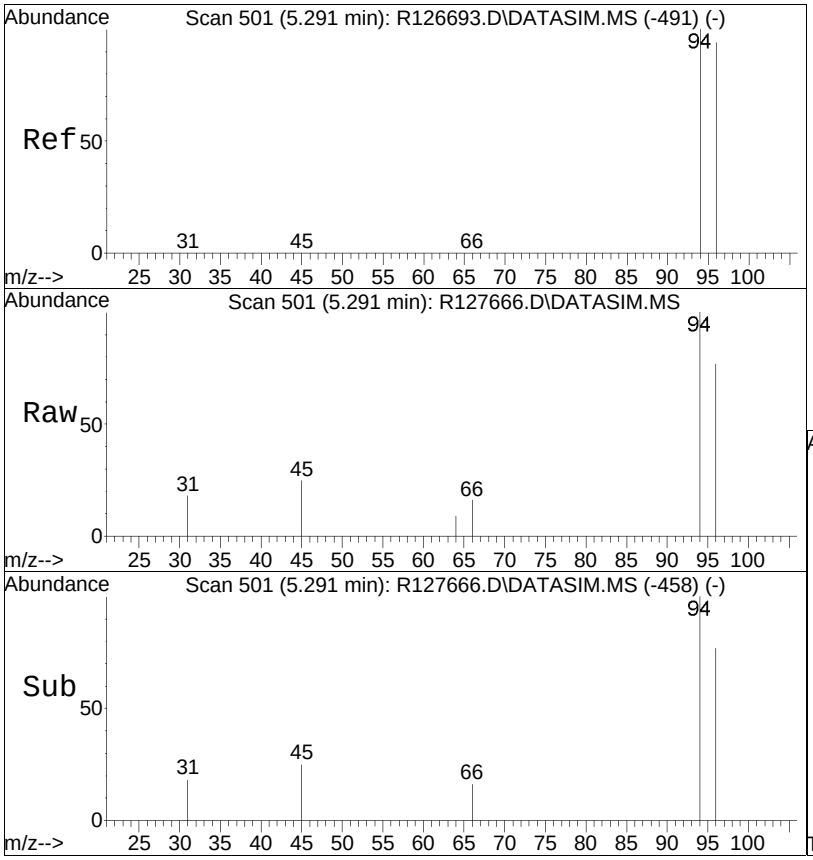


#7
1,3-butadiene
Concen: 0.34 ppbV
RT: 4.91 min Scan# 416
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 54 Resp: 3833

Ion	Ratio	Lower	Upper
54	100		
39	123.2	92.4	138.6

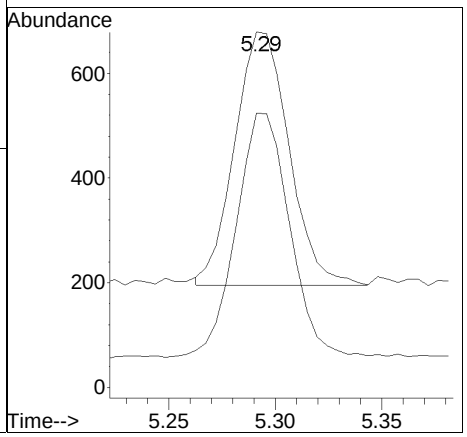


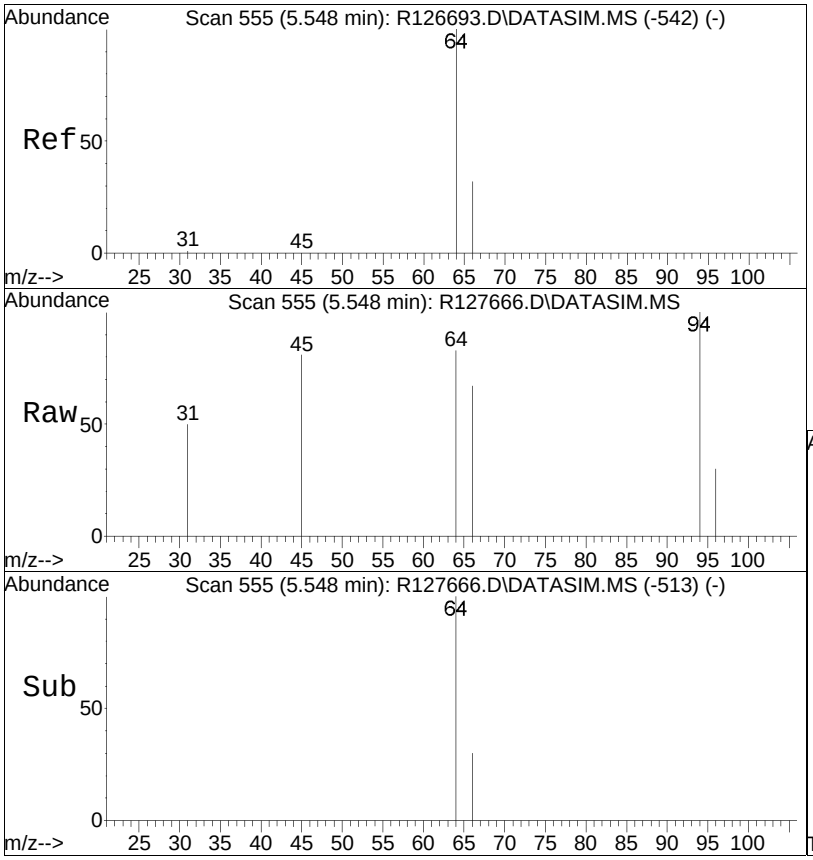


#8
bromomethane
Concen: 0.07 ppbV
RT: 5.29 min Scan# 501
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 94 Resp: 856

Ion	Ratio	Lower	Upper
94	100		
96	77.2	76.9	115.3

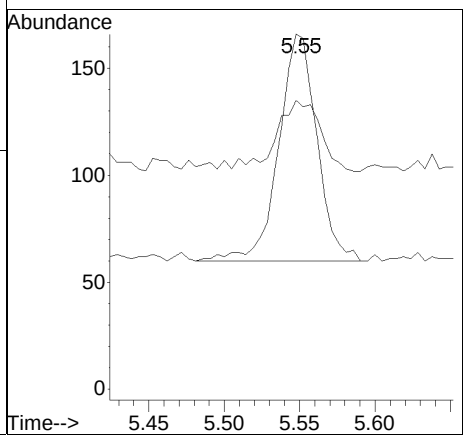


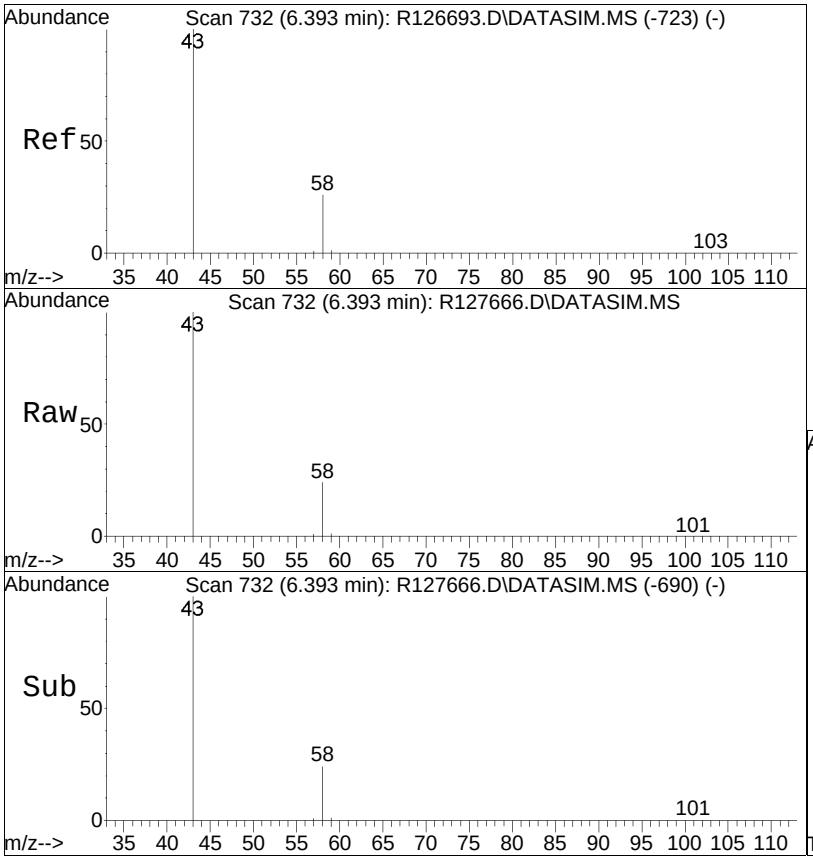


#9
chloroethane
Concen: 0.03 ppbV
RT: 5.55 min Scan# 555
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 64 Resp: 187

Ion	Ratio	Lower	Upper
64	100		
66	81.3	25.5	38.3#

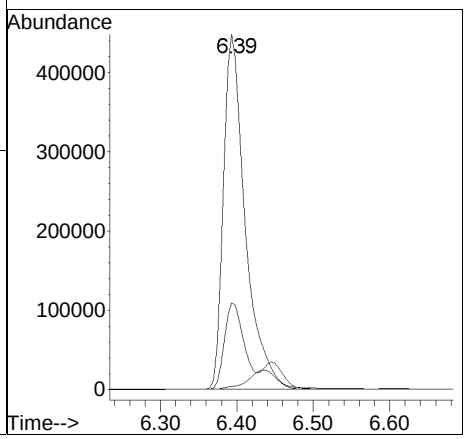


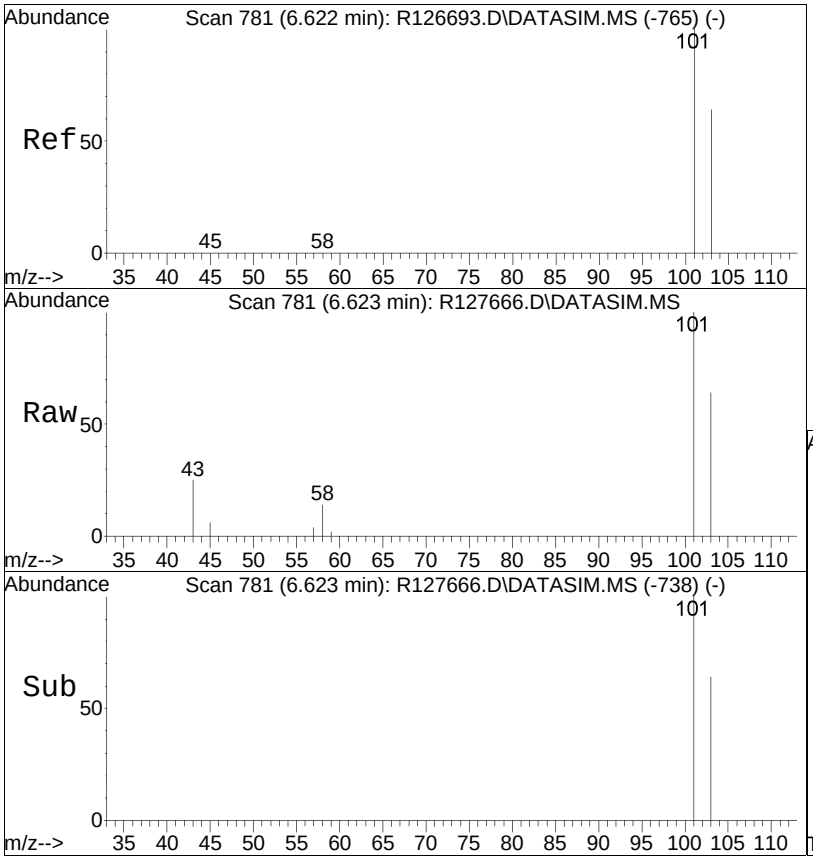


#12
acetone
Concen: 33.72 ppbV
RT: 6.39 min Scan# 732
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 43 Resp: 892099

Ion	Ratio	Lower	Upper
43	100		
58	24.4	20.0	30.0
57	0.8	0.6	1.0

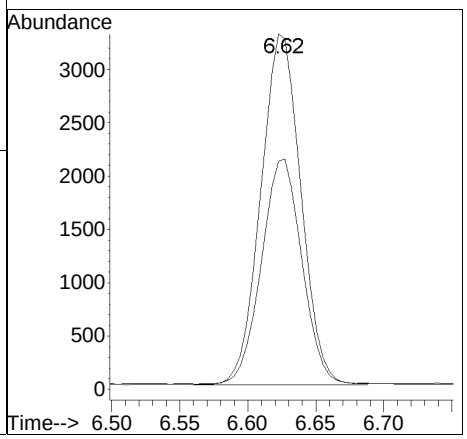


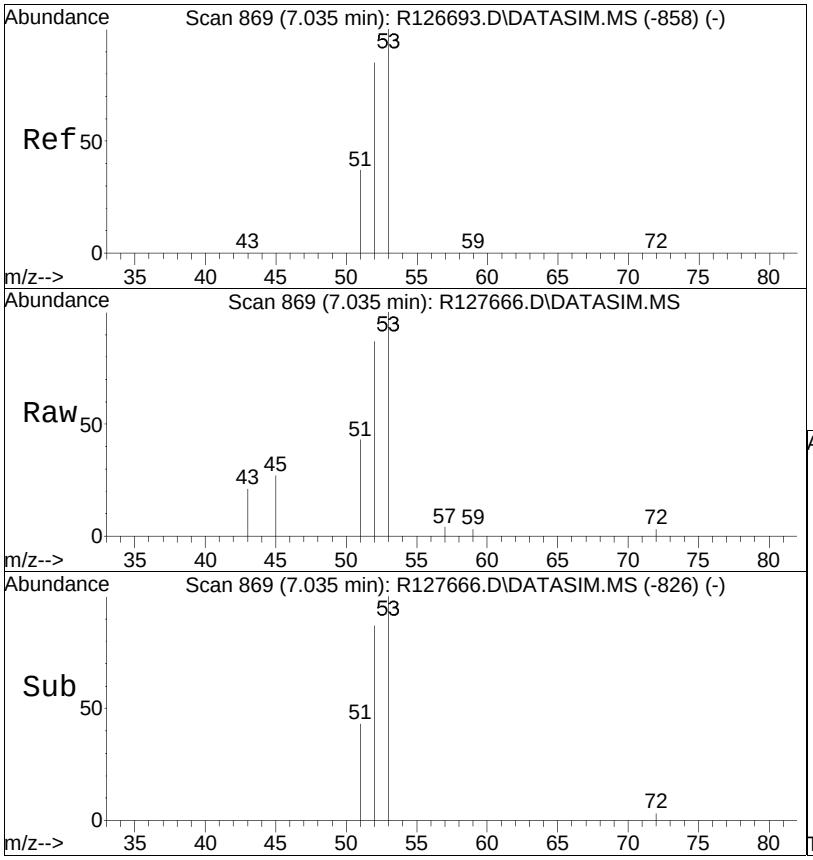


#13
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 6.62 min Scan# 781
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:101 Resp: 6732

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

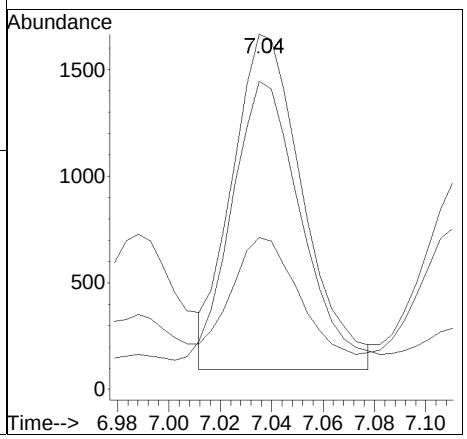


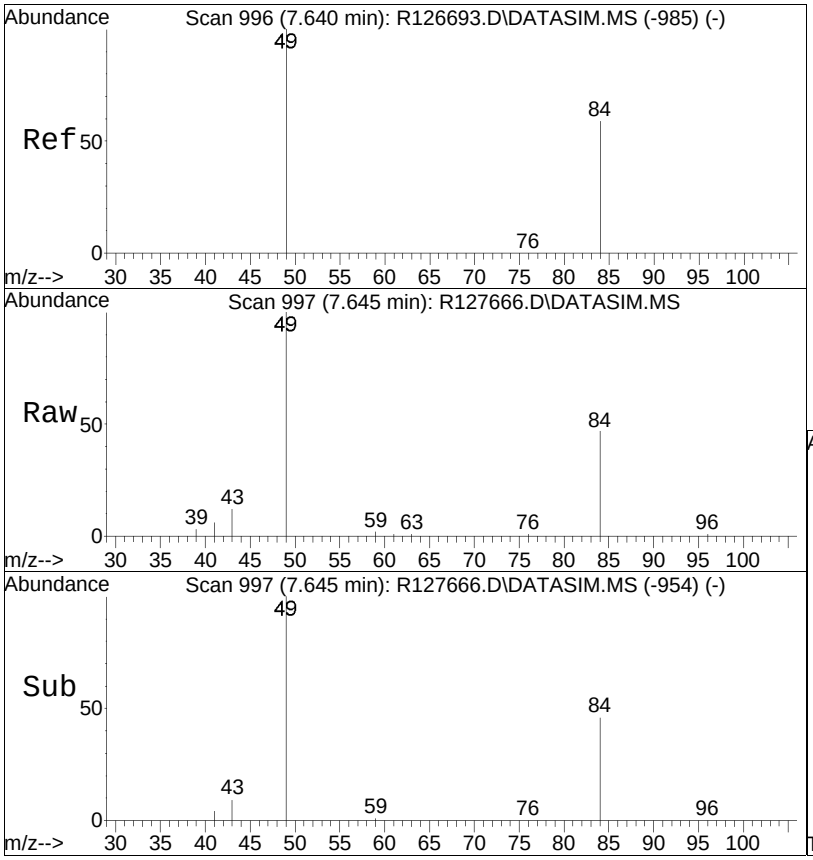


#15
acrylonitrile
Concen: 0.23 ppbV m
RT: 7.04 min Scan# 869
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 53 Resp: 3015

Ion	Ratio	Lower	Upper
53	100		
52	86.7	68.5	102.7
51	42.7	30.1	45.1

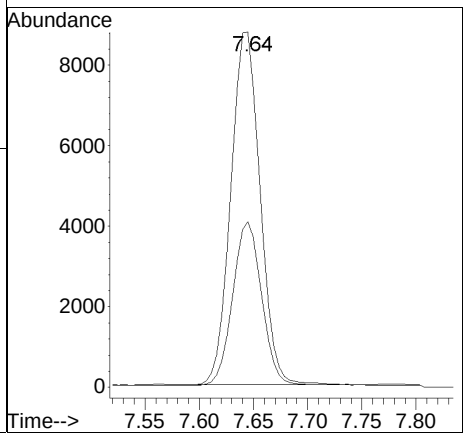


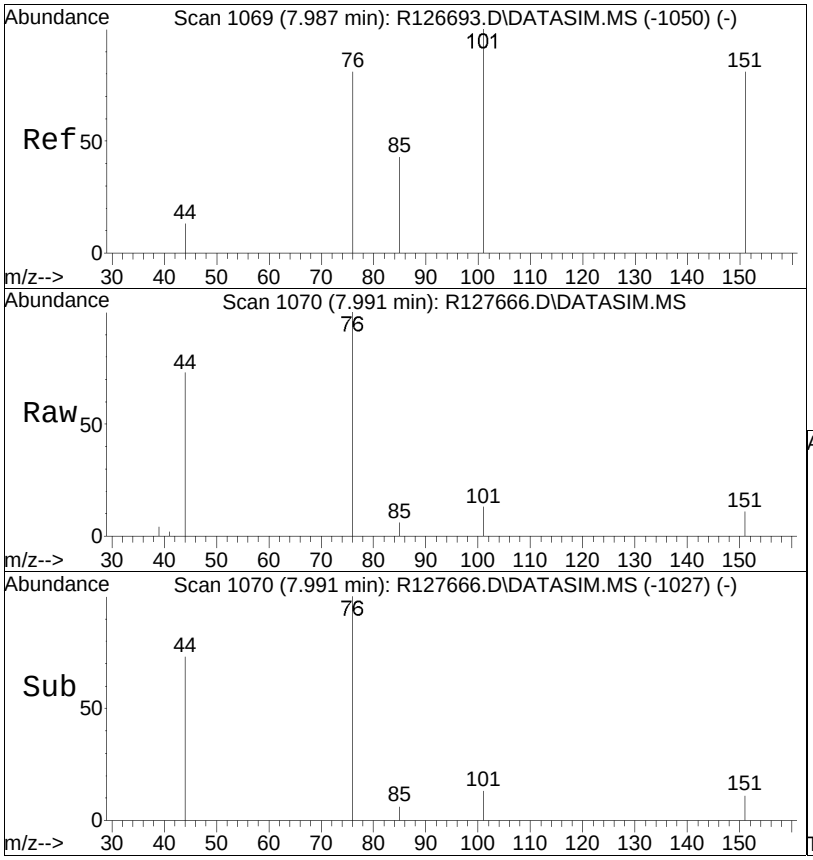


#17
methylene chloride
Concen: 0.75 ppbV
RT: 7.64 min Scan# 997
Delta R.T. 0.005 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 49 Resp: 16480

Ion	Ratio	Lower	Upper
49	100		
84	46.7	37.2	55.8

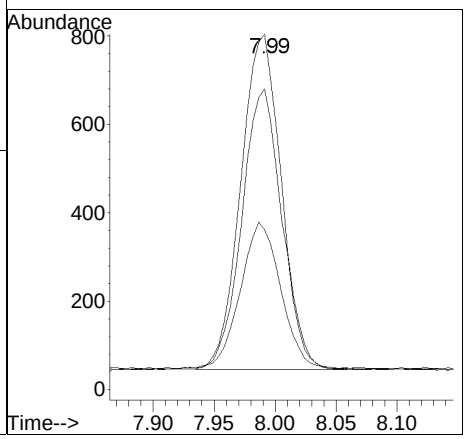


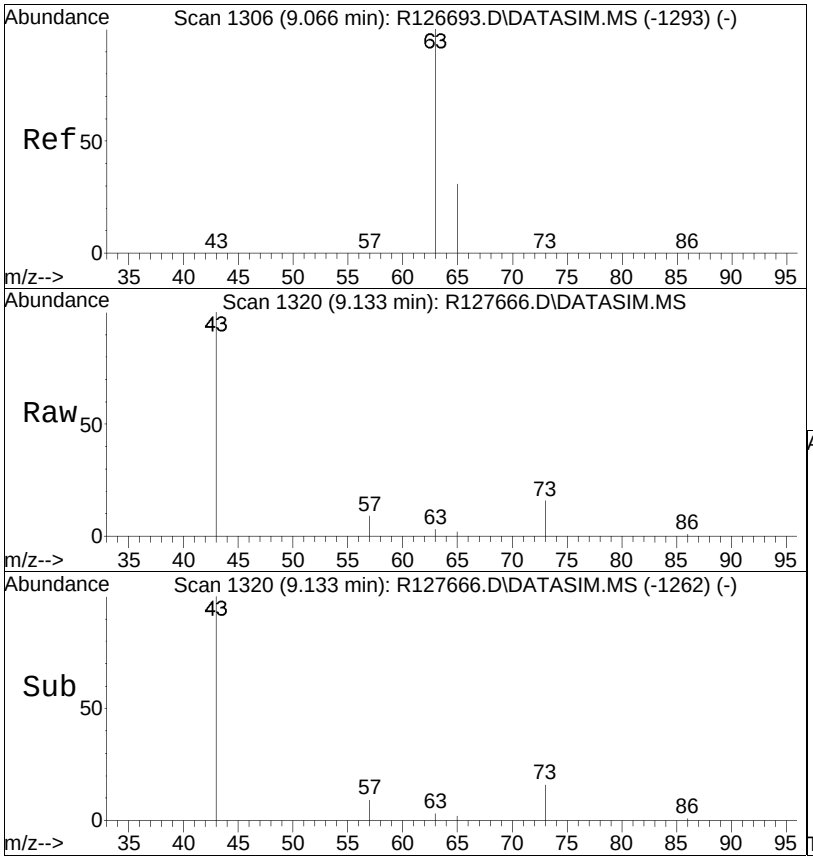


#20
Freon 113
Concen: 0.07 ppbV
RT: 7.99 min Scan# 1070
Delta R.T. 0.005 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:101 Resp: 1758

Ion	Ratio	Lower	Upper
101	100		
85	44.9	34.2	51.2
151	84.6	67.8	101.8

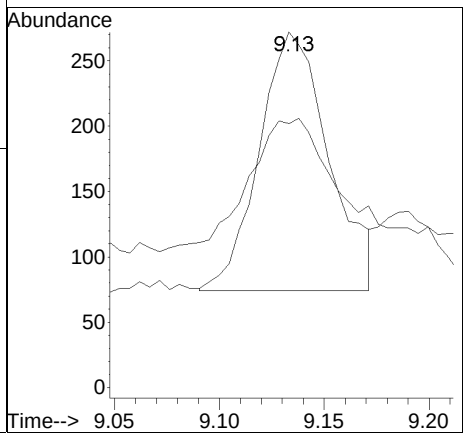


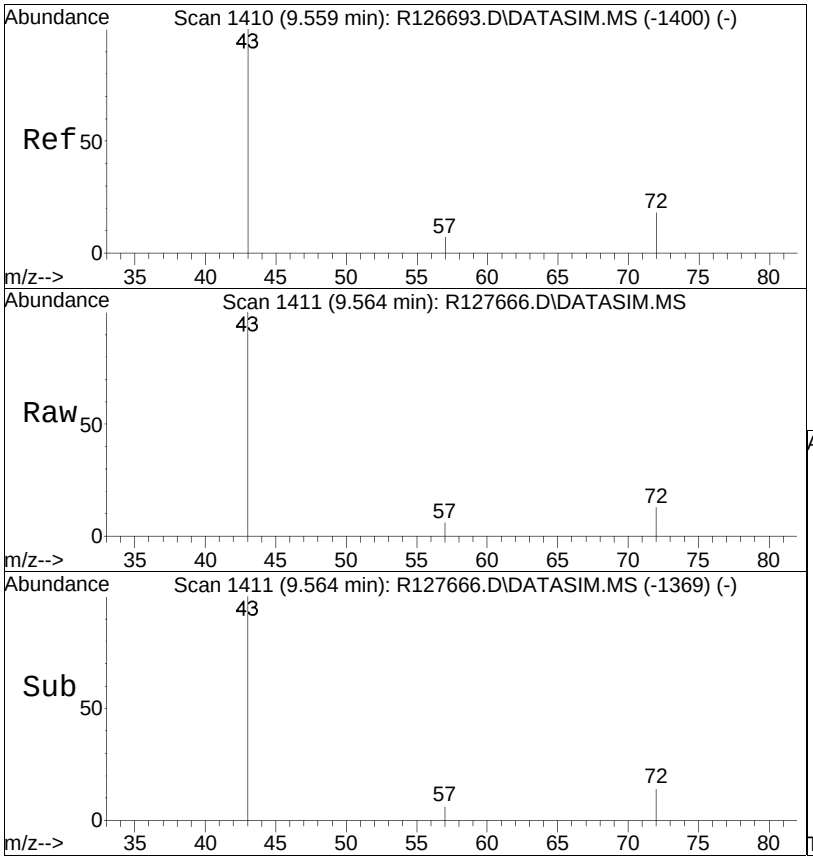


#23
1,1-dichloroethane
Concen: 0.02 ppbV m
RT: 9.13 min Scan# 1320
Delta R.T. 0.067 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 63 Resp: 459

Ion	Ratio	Lower	Upper
63	100		
65	74.3	25.0	37.4#

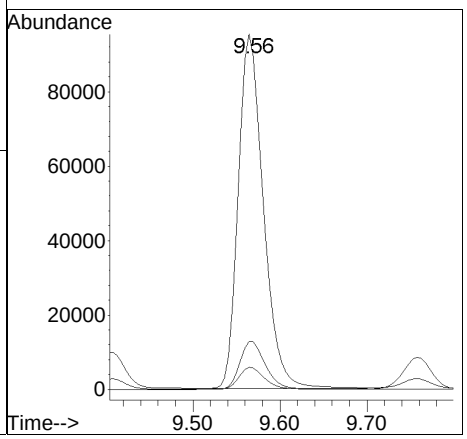


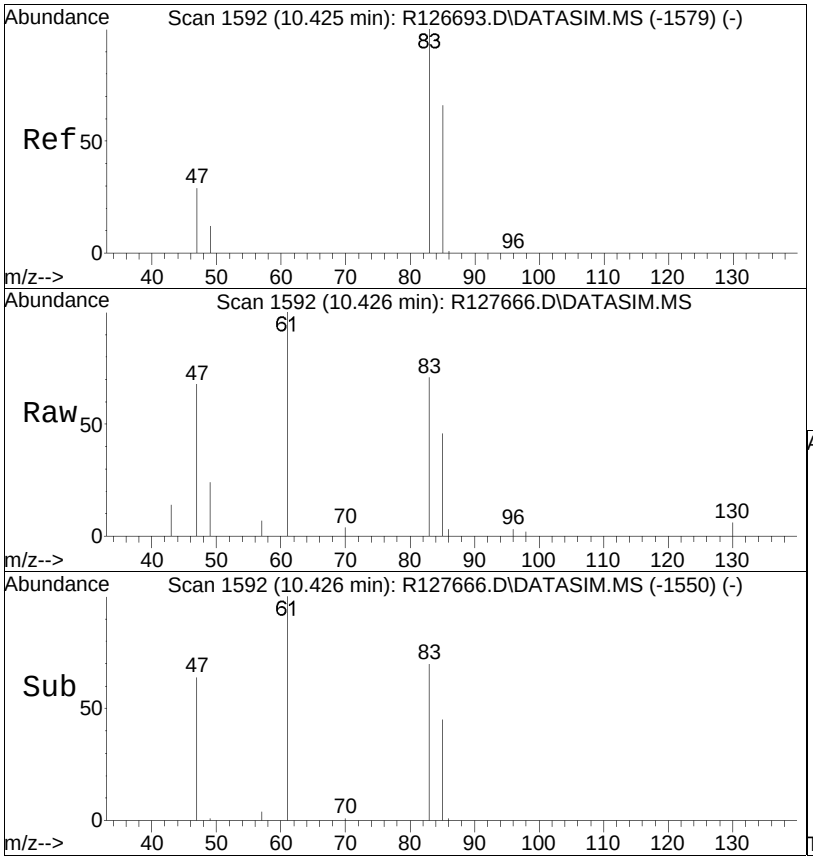


#26
2-butanone
Concen: 4.61 ppbV
RT: 9.56 min Scan# 1411
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 43 Resp: 191008

Ion	Ratio	Lower	Upper
43	100		
72	13.5	12.0	18.0
57	6.2	5.2	7.8

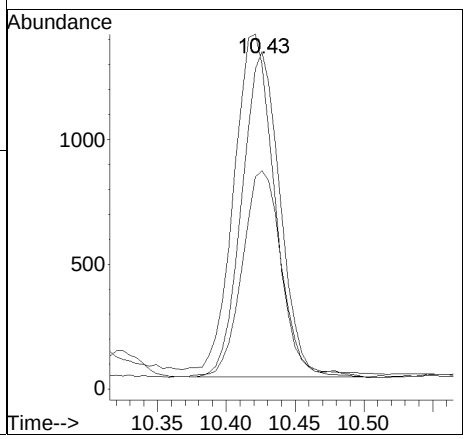


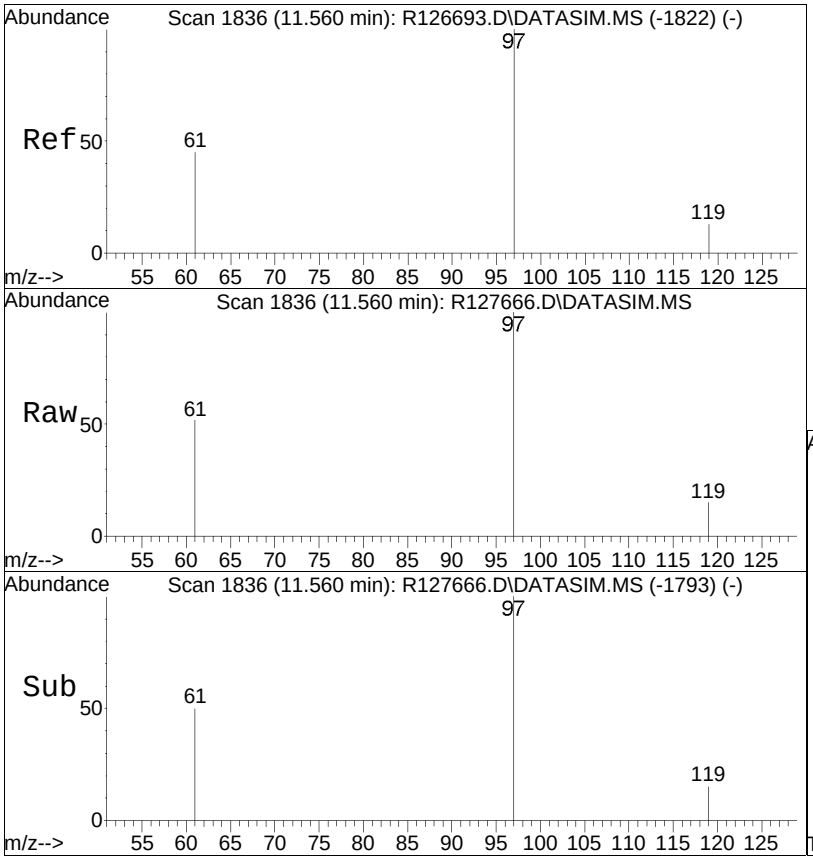


#29
chloroform
Concen: 0.09 ppbV
RT: 10.43 min Scan# 1592
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 83 Resp: 2510

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2
47	96.4	26.4	39.6#

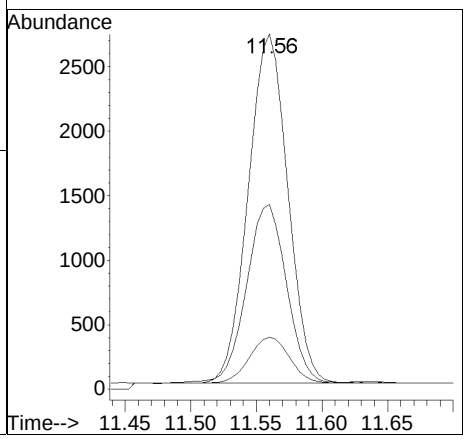


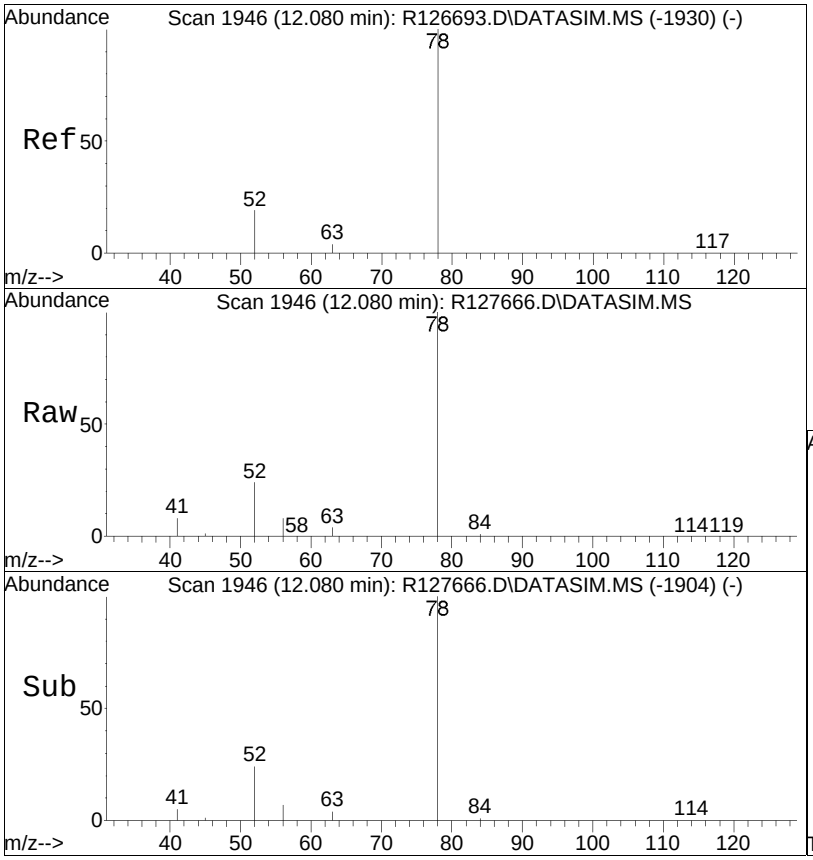


#35
1,1,1-trichloroethane
Concen: 0.19 ppbV
RT: 11.56 min Scan# 1836
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 97 Resp: 5668

Ion	Ratio	Lower	Upper
97	100		
61	52.1	38.6	58.0
119	14.7	11.0	16.6

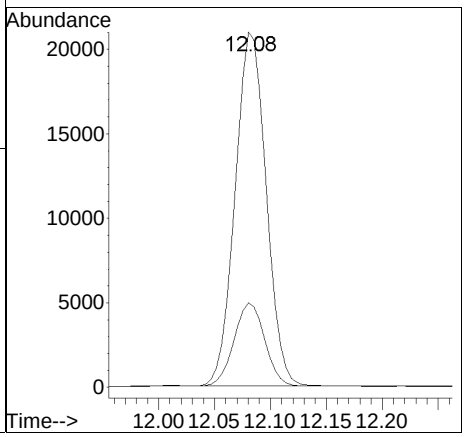


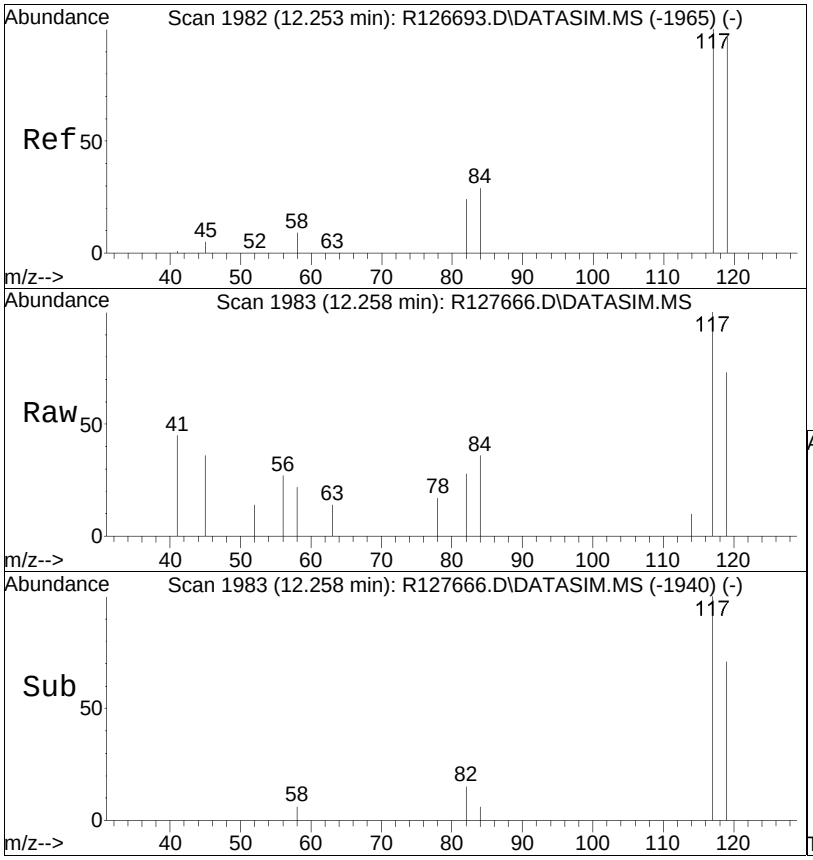


#36
benzene
Concen: 0.90 ppbV
RT: 12.08 min Scan# 1946
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 78 Resp: 40480

Ion	Ratio	Lower	Upper
78	100		
52	23.8	18.5	27.7

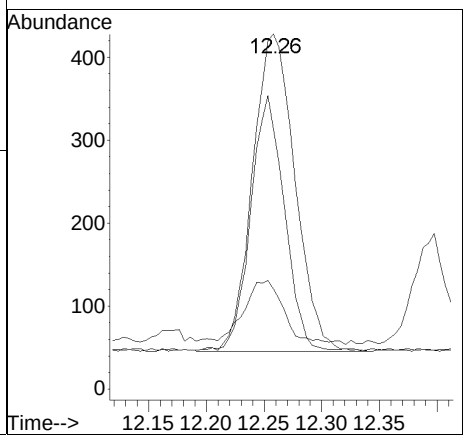


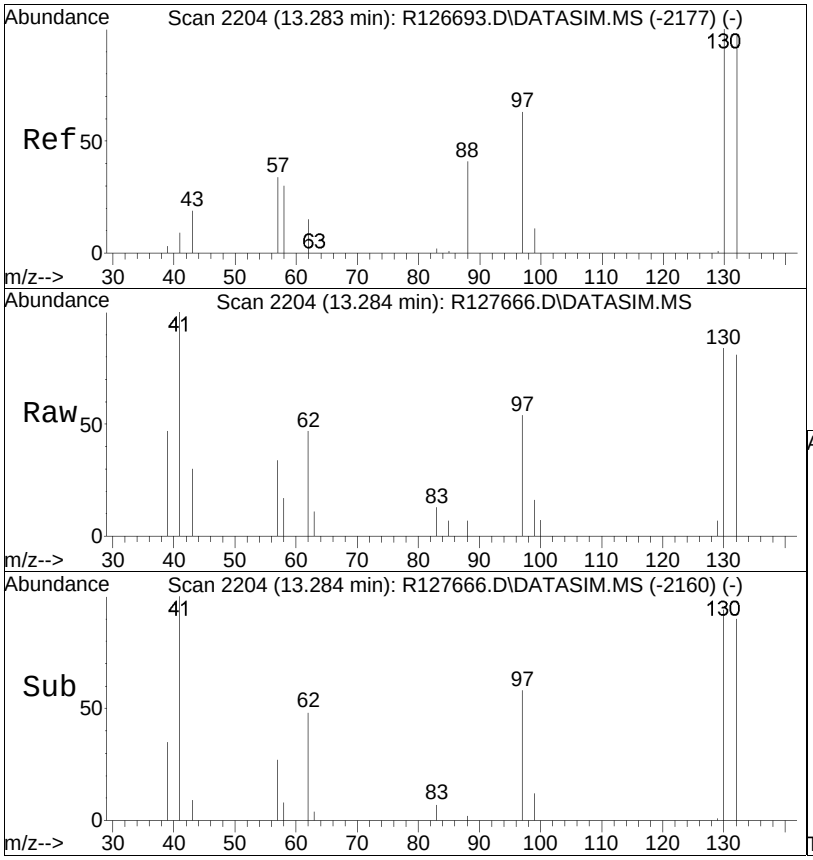


#37
carbon tetrachloride
Concen: 0.03 ppbV
RT: 12.26 min Scan# 1983
Delta R.T. 0.005 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:117 Resp: 976

Ion	Ratio	Lower	Upper
117	100		
119	73.4	77.4	116.0#
82	28.3	18.2	27.2#

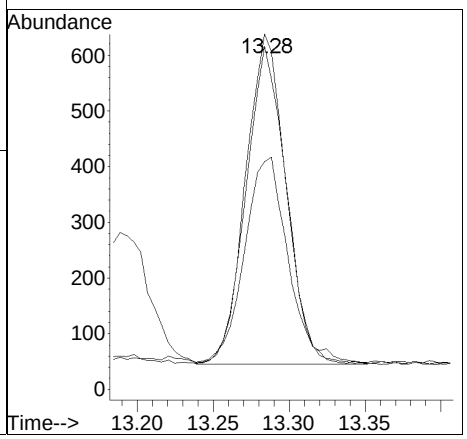


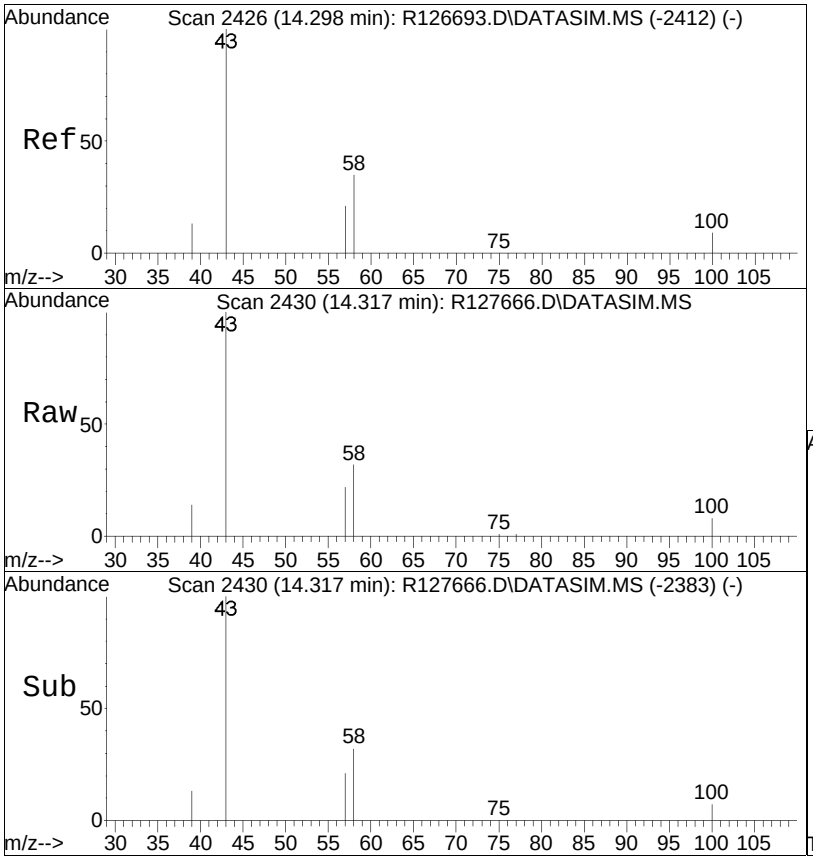


#42
trichloroethene
Concen: 0.05 ppbV
RT: 13.28 min Scan# 2204
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:130 Resp: 1097

Ion	Ratio	Lower	Upper
130	100		
132	96.6	77.3	115.9
97	64.1	50.6	75.8

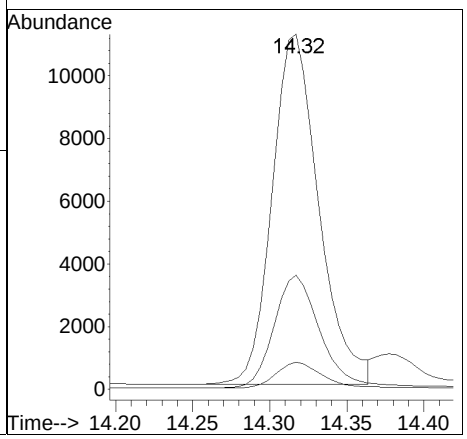


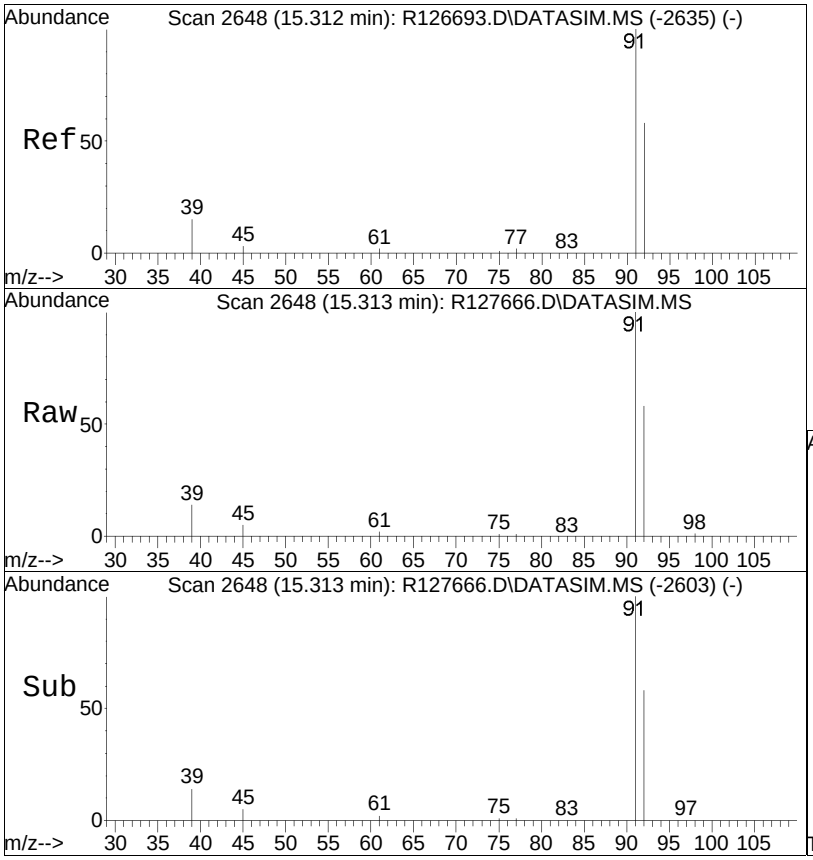


#46
4-methyl-2-pentanone
Concen: 0.46 ppbV
RT: 14.32 min Scan# 2430
Delta R.T. 0.019 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 43 Resp: 23472

Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.0	39.0
100	7.7	5.8	8.6

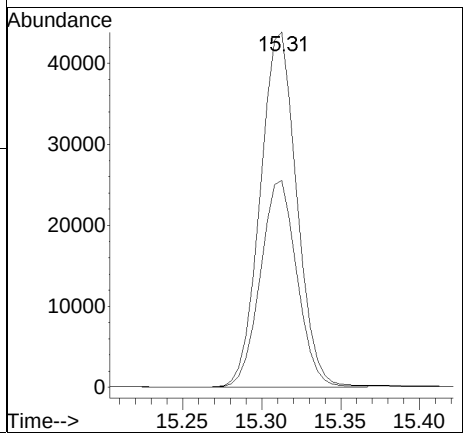


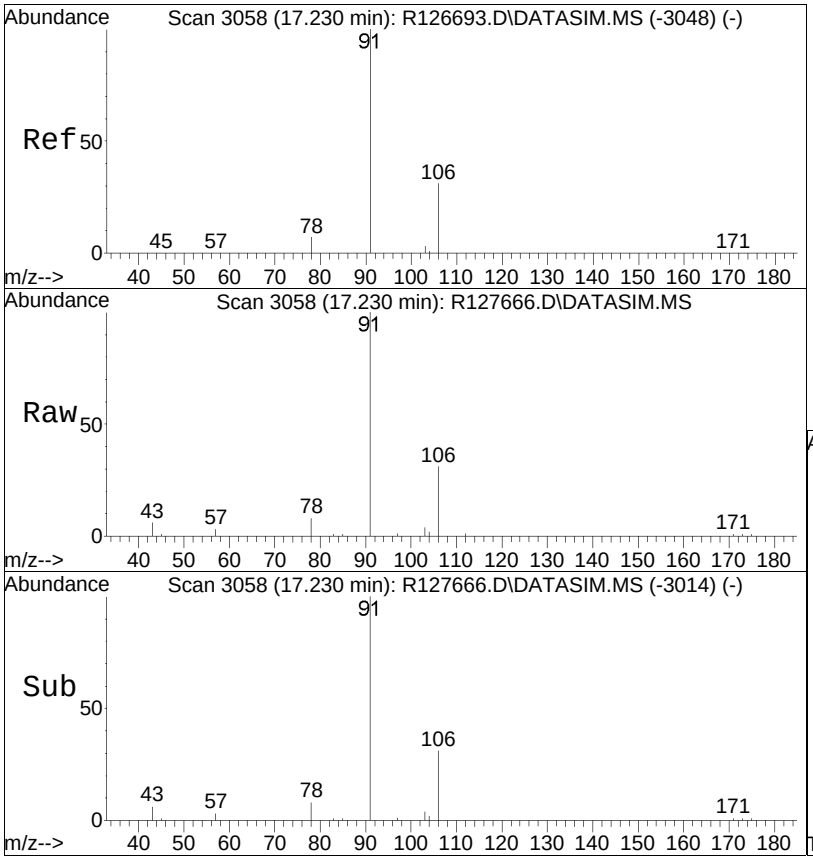


#50
toluene
Concen: 1.24 ppbV
RT: 15.31 min Scan# 2648
Delta R.T. 0.005 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 91 Resp: 70319

Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.4	69.6

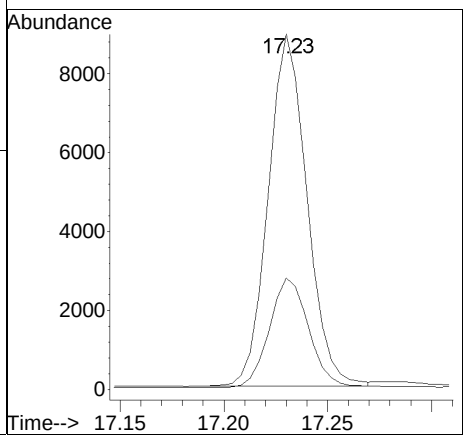


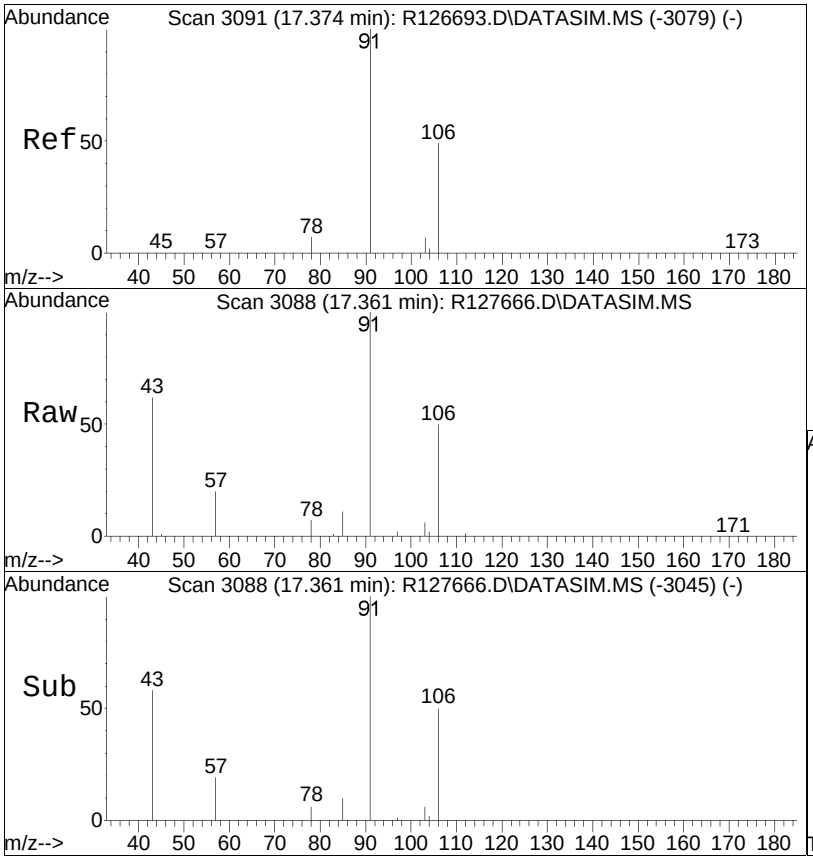


#58
ethylbenzene
Concen: 0.16 ppbV
RT: 17.23 min Scan# 3058
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 91 Resp: 11568

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.3	37.9

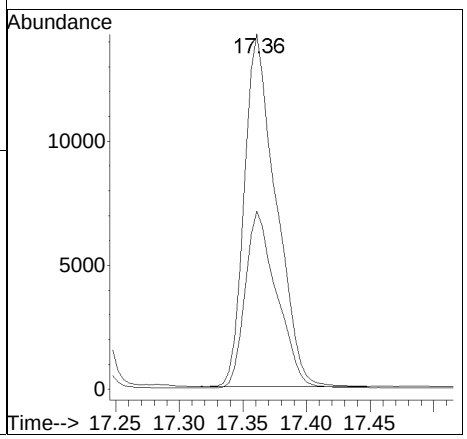


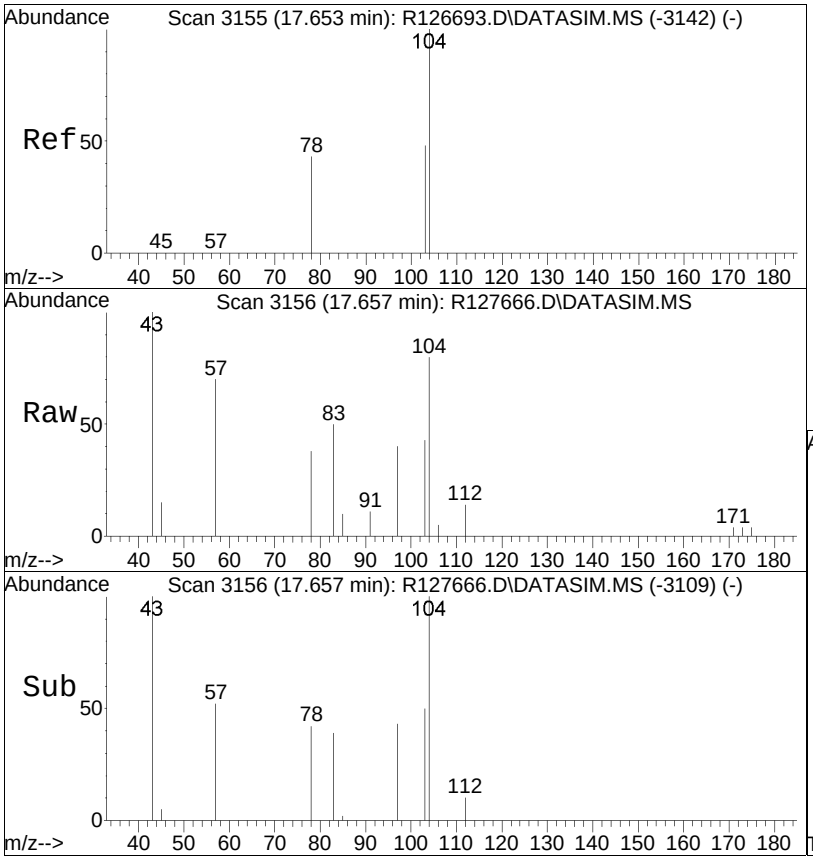


#59
m+p-xylene
Concen: 0.44 ppbV
RT: 17.36 min Scan# 3088
Delta R.T. -0.013 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 91 Resp: 24627

Ion	Ratio	Lower	Upper
91	100		
106	50.2	40.0	60.0

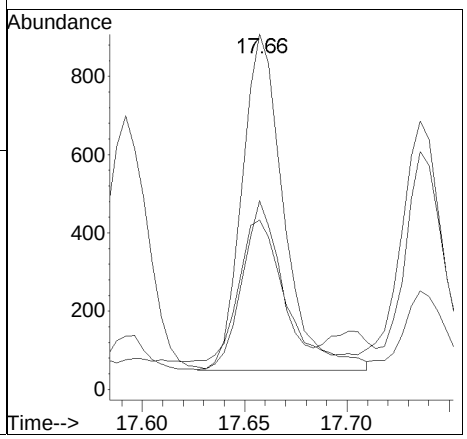


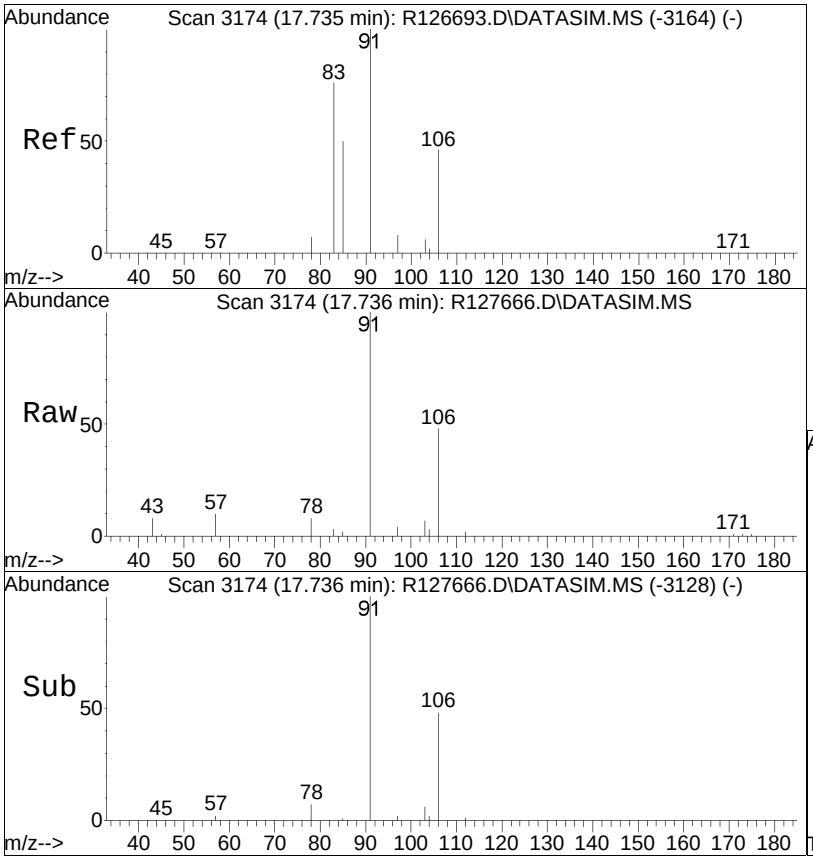


#61
styrene
Concen: 0.03 ppbV m
RT: 17.66 min Scan# 3156
Delta R.T. 0.004 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:104 Resp: 1217

Ion	Ratio	Lower	Upper
104	100		
103	53.1	38.3	57.5
78	47.7	35.0	52.6

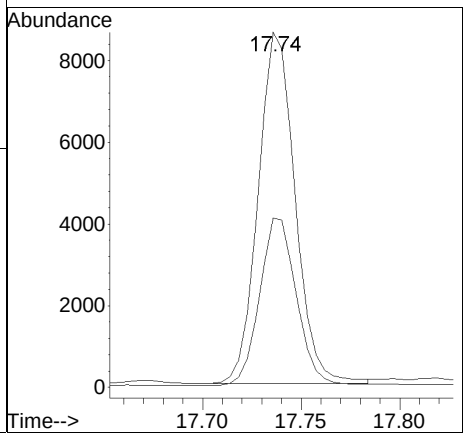


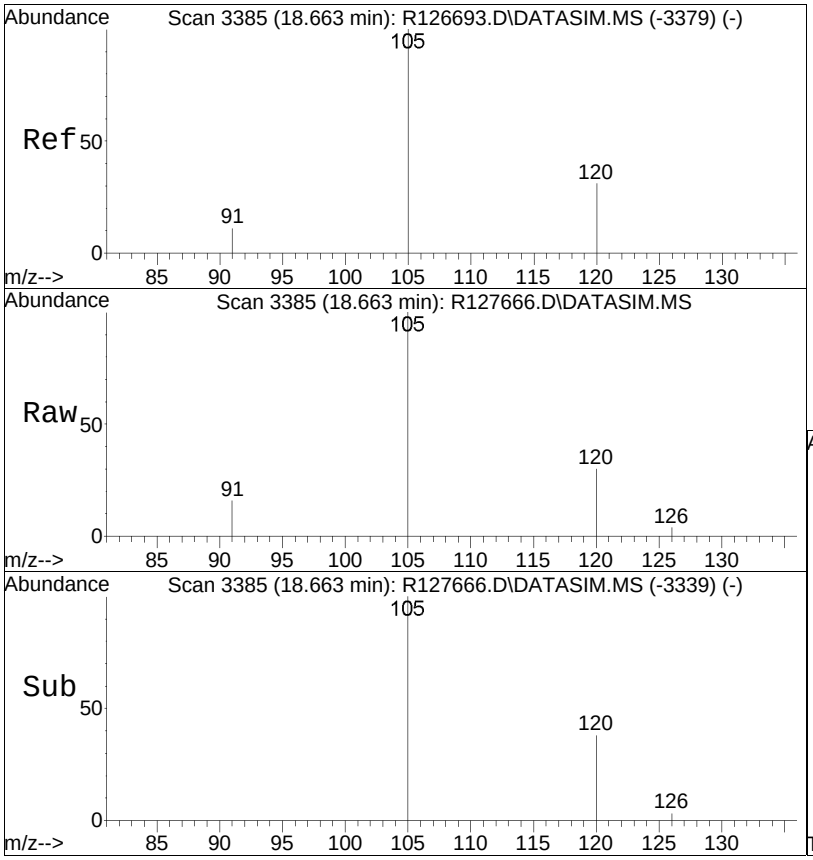


#63
o-xylene
Concen: 0.19 ppbV
RT: 17.74 min Scan# 3174
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion: 91 Resp: 11235

Ion	Ratio	Lower	Upper
91	100		
106	47.6	37.1	55.7

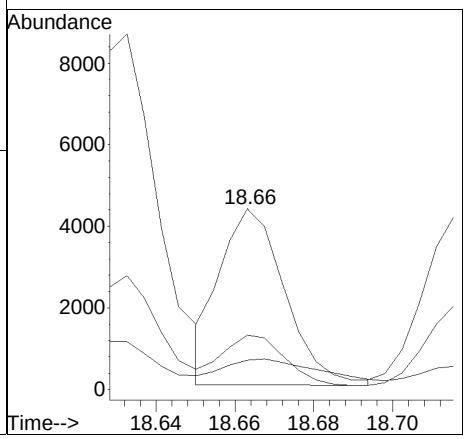


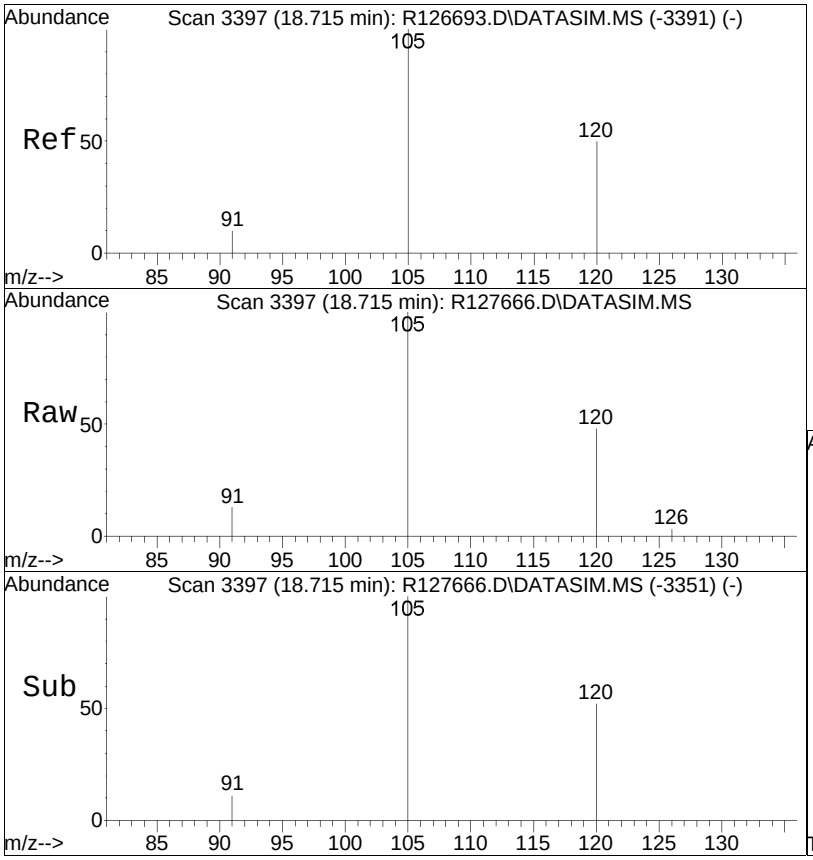


#66
4-ethyl toluene
Concen: 0.06 ppbV
RT: 18.66 min Scan# 3385
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:105 Resp: 4968

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.7	35.5
91	16.2	8.5	12.7#

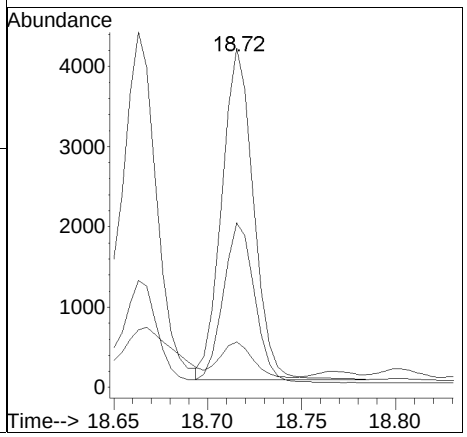


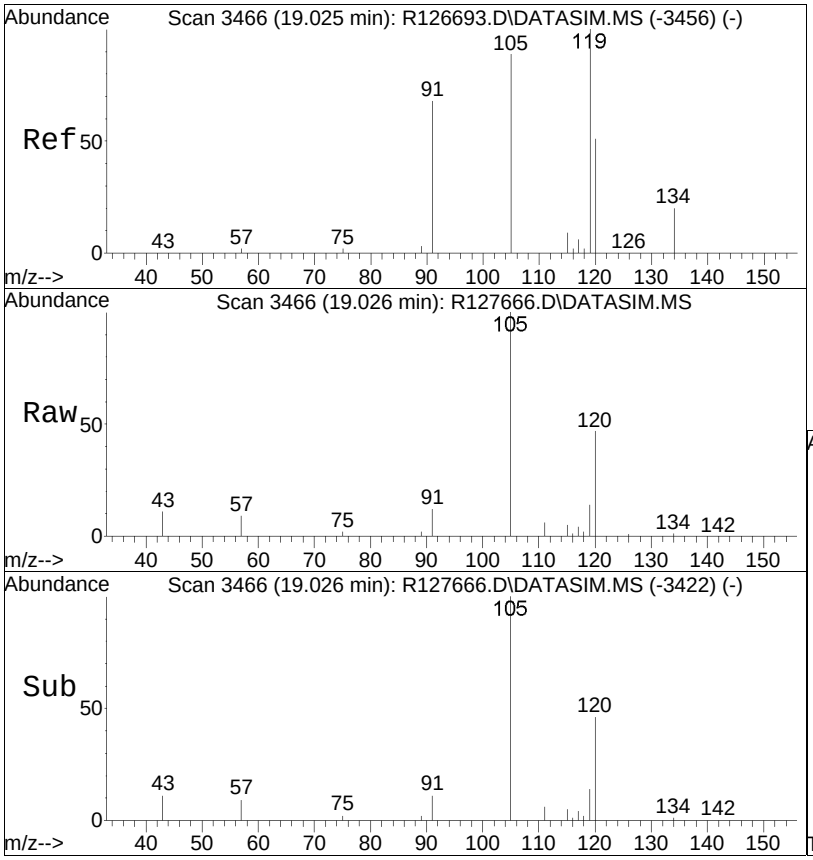


#67
1,3,5-trimethylbenzene
Concen: 0.07 ppbV
RT: 18.72 min Scan# 3397
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:105 Resp: 4846

Ion	Ratio	Lower	Upper
105	100		
120	48.5	39.0	58.4
91	13.4	8.0	12.0#

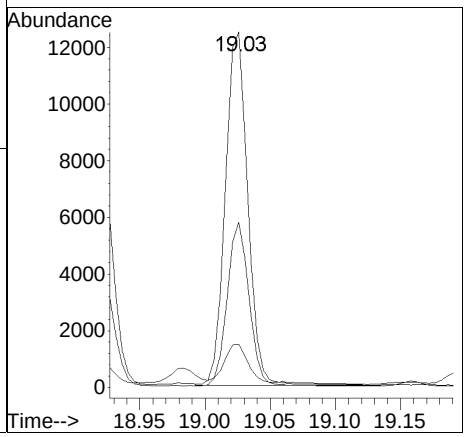


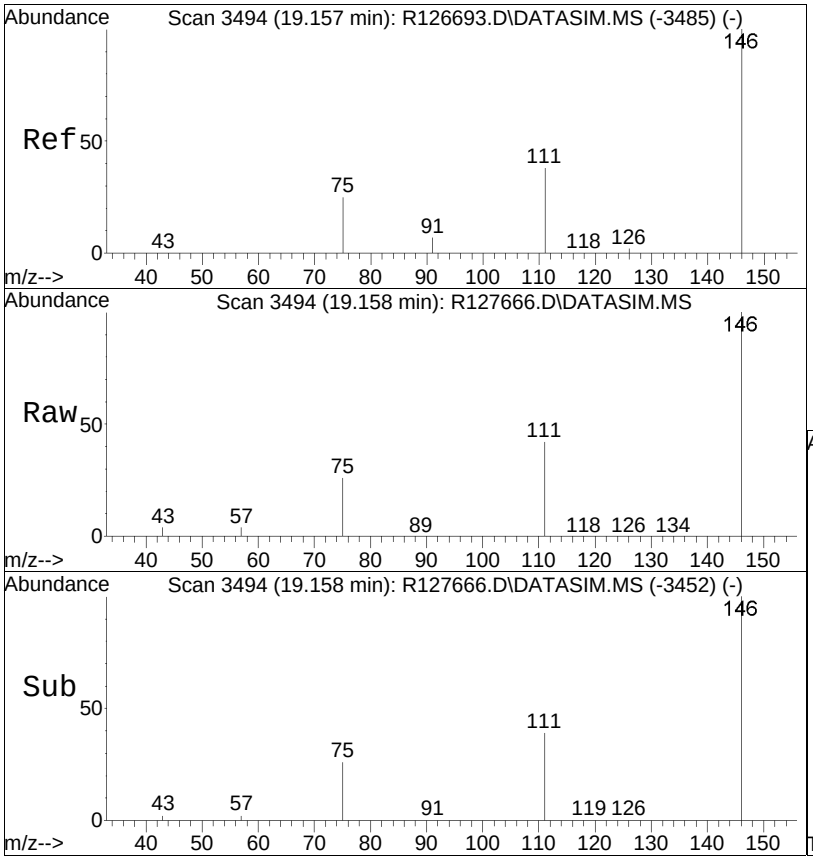


#69
1,2,4-trimethylbenzene
Concen: 0.21 ppbV
RT: 19.03 min Scan# 3466
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:105 Resp: 14905

Ion	Ratio	Lower	Upper
105	100		
120	46.5	44.9	67.3
91	12.2	58.6	88.0#

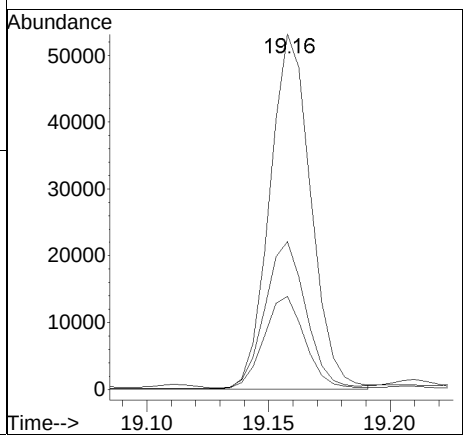


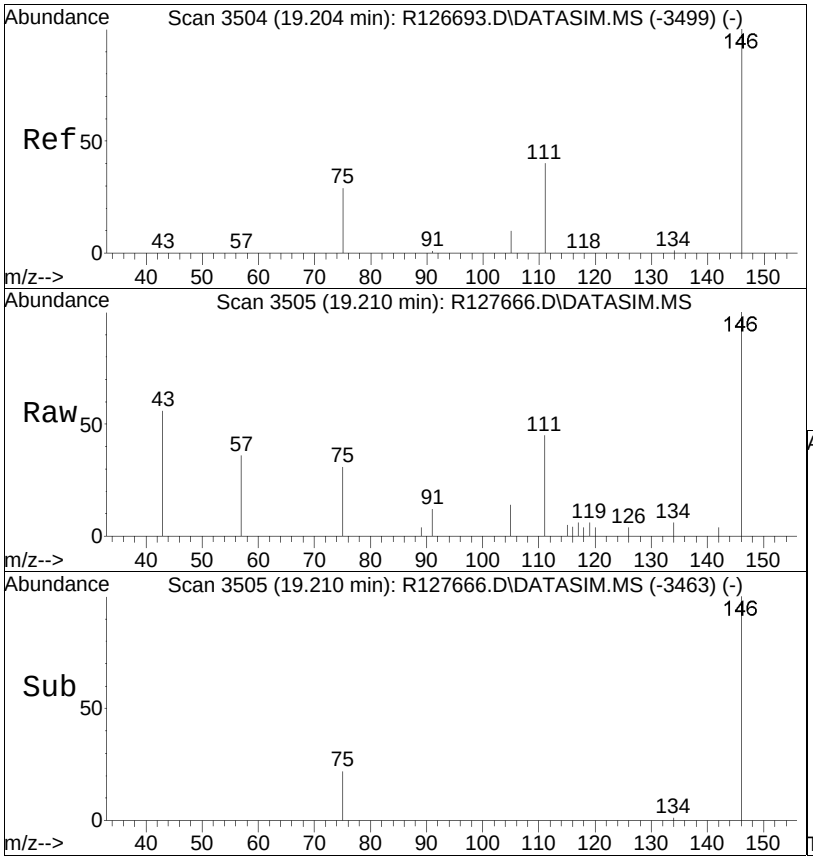


#71
1,3-dichlorobenzene
Concen: 1.18 ppbV
RT: 19.16 min Scan# 3494
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:146 Resp: 62486

Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.5	44.3
75	26.2	19.5	29.3

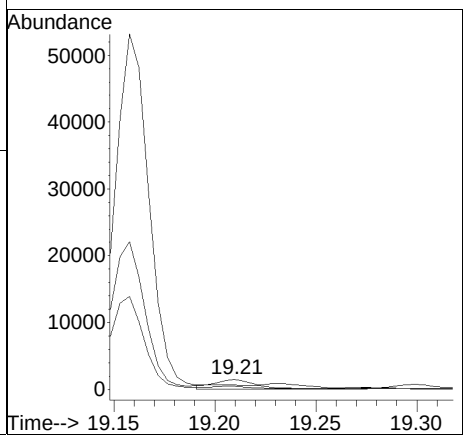


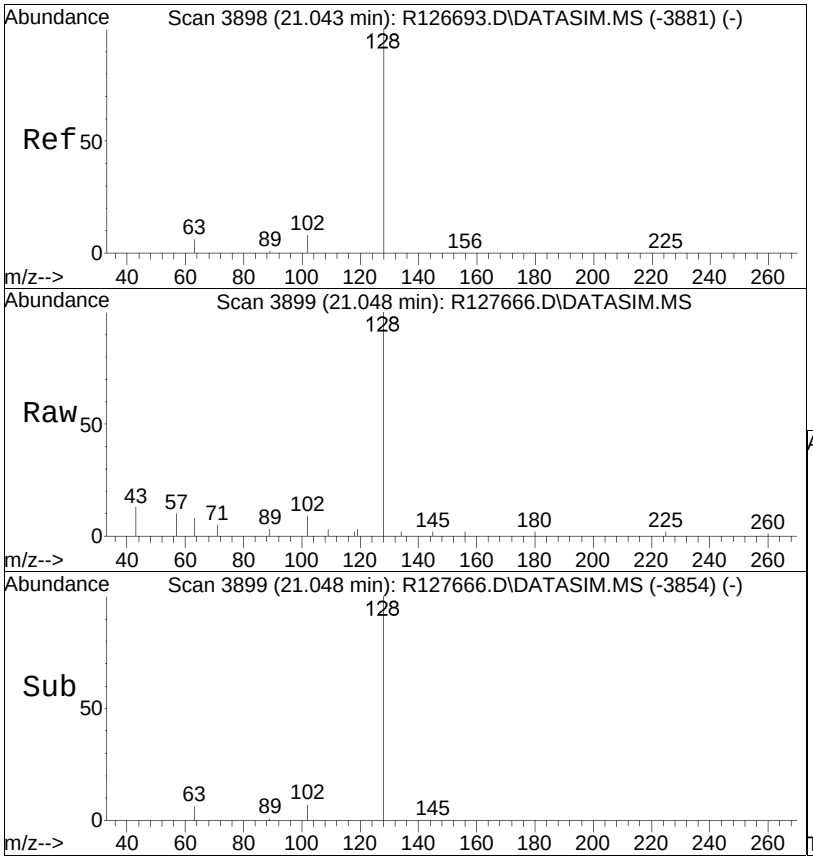


#72
1,4-dichlorobenzene
Concen: 0.04 ppbV m
RT: 19.21 min Scan# 3505
Delta R.T. 0.000 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:146 Resp: 2170

Ion	Ratio	Lower	Upper
146	100		
111	44.6	26.4	39.6#
75	31.4	18.0	27.0#

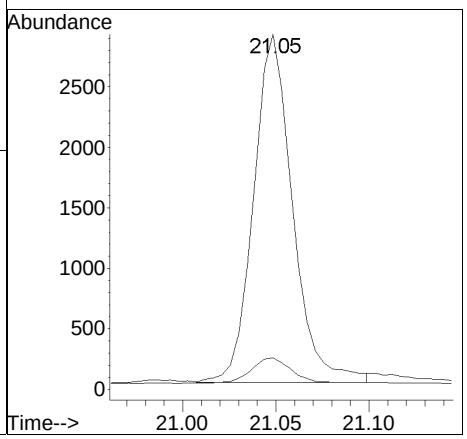




#78
naphthalene
Concen: 0.04 ppbV m
RT: 21.05 min Scan# 3899
Delta R.T. 0.005 min
Lab File: R127666.D
Acq: 15 Apr 2013 5:07 pm

Tgt Ion:128 Resp: 4195

Ion	Ratio	Lower	Upper
128	100		
102	8.9	6.2	9.2

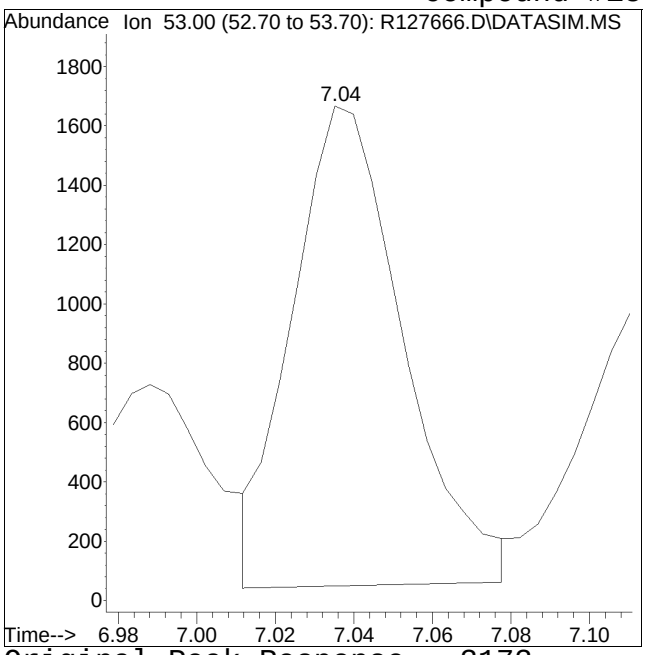


Manual Integration/Negative Proof Report

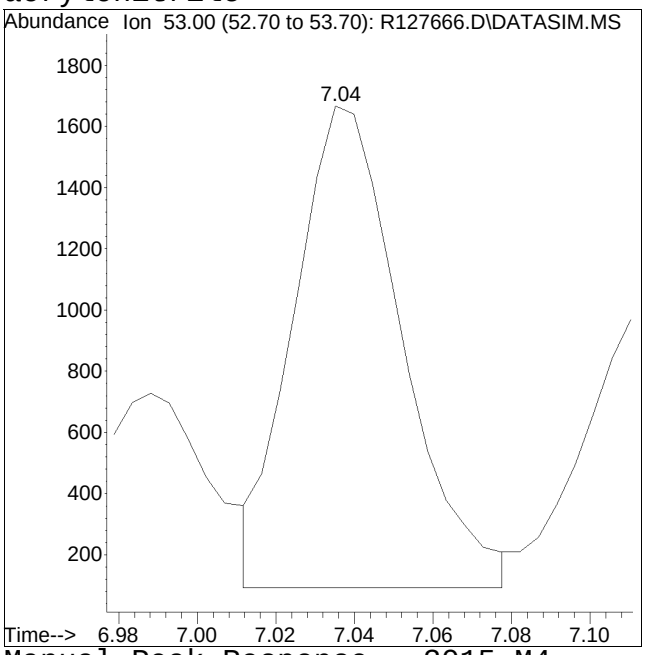
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #15: acrylonitrile



Original Peak Response = 3173



Manual Peak Response = 3015 M4

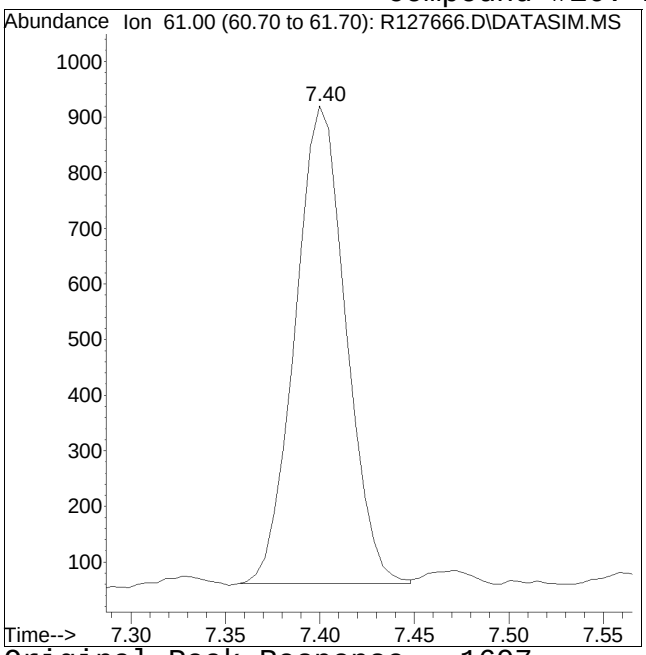
M4 = Poor automated baseline construction.

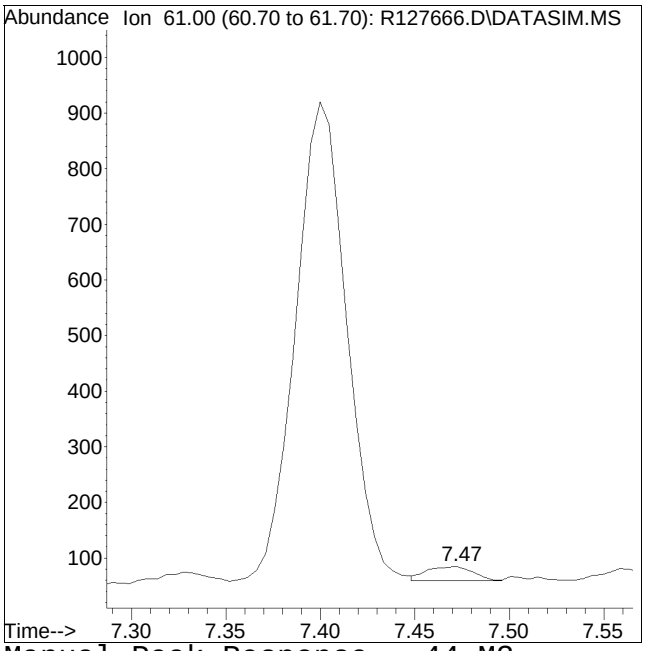
Manual Integration/Negative Proof Report

Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #16: 1,1-dichloroethene





Original Peak Response = 1607 Manual Peak Response = 44 M3

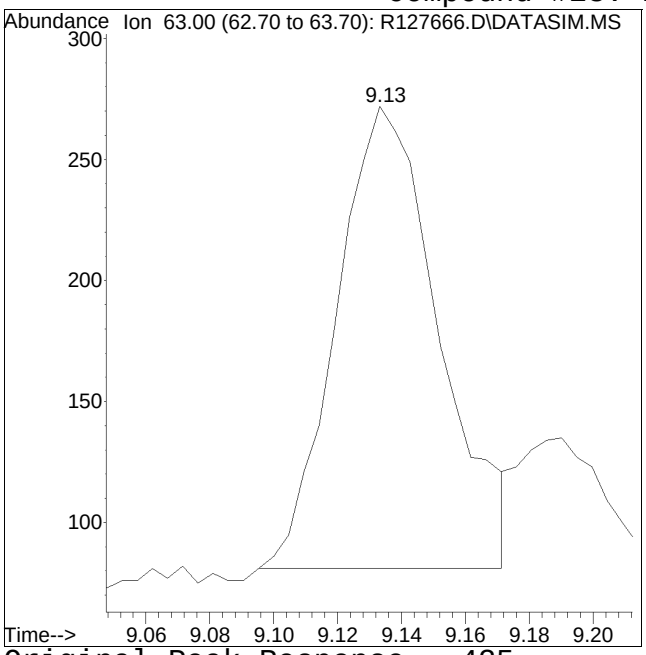
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

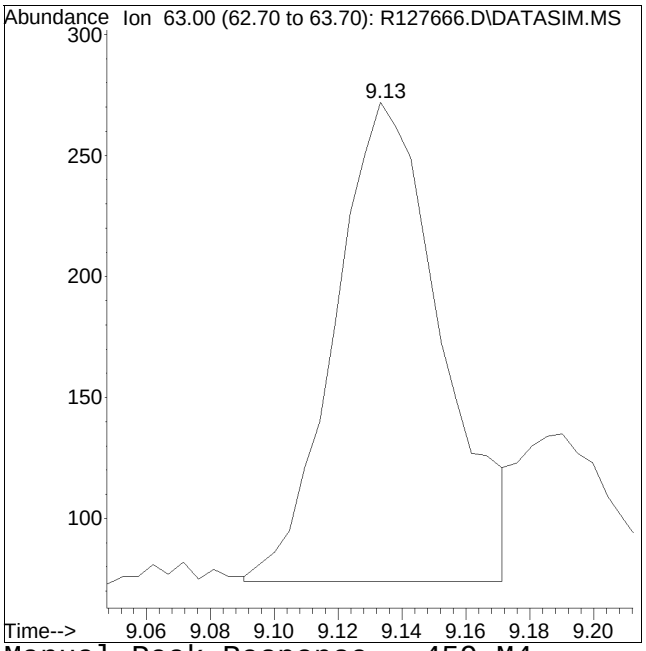
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #23: 1,1-dichloroethane



Original Peak Response = 425



Manual Peak Response = 459 M4

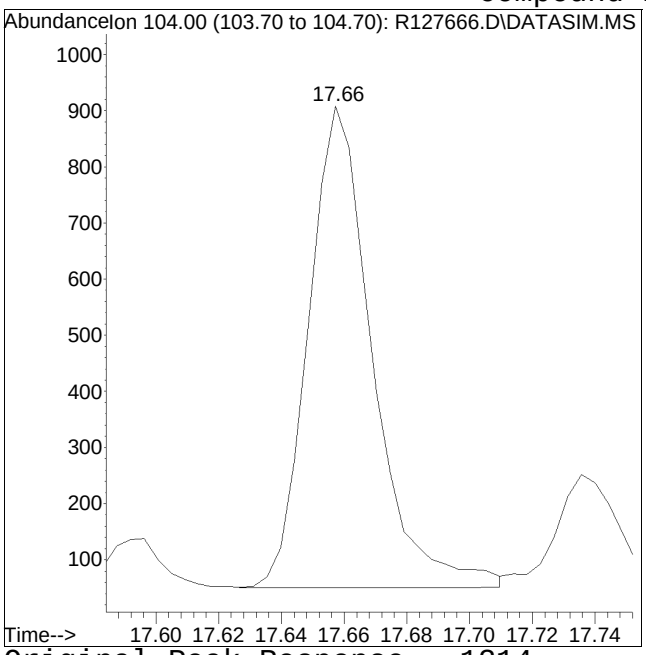
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

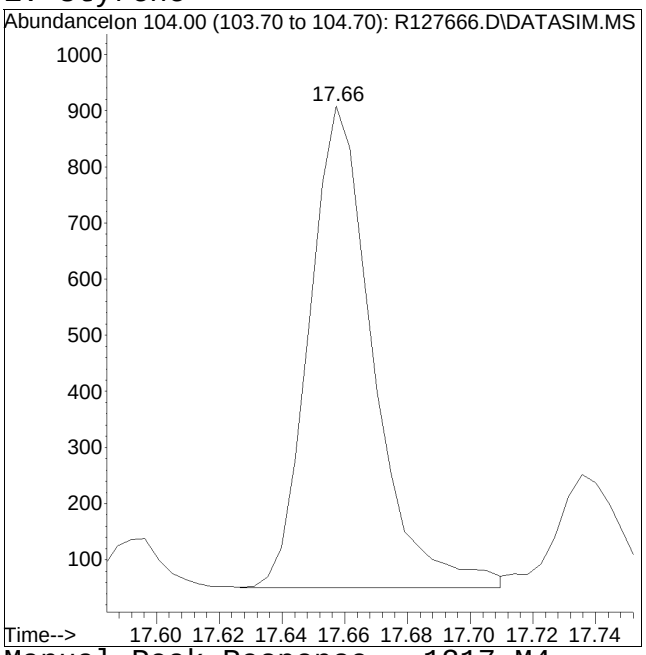
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #61: styrene



Original Peak Response = 1214



Manual Peak Response = 1217 M4

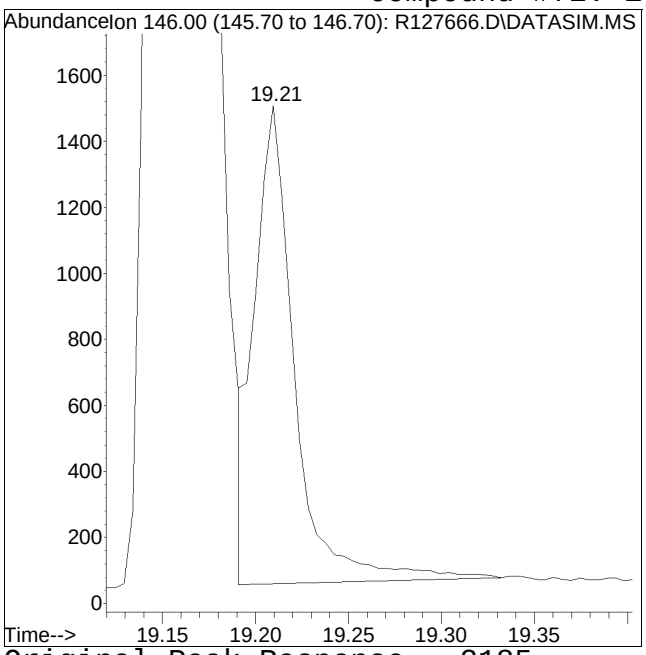
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

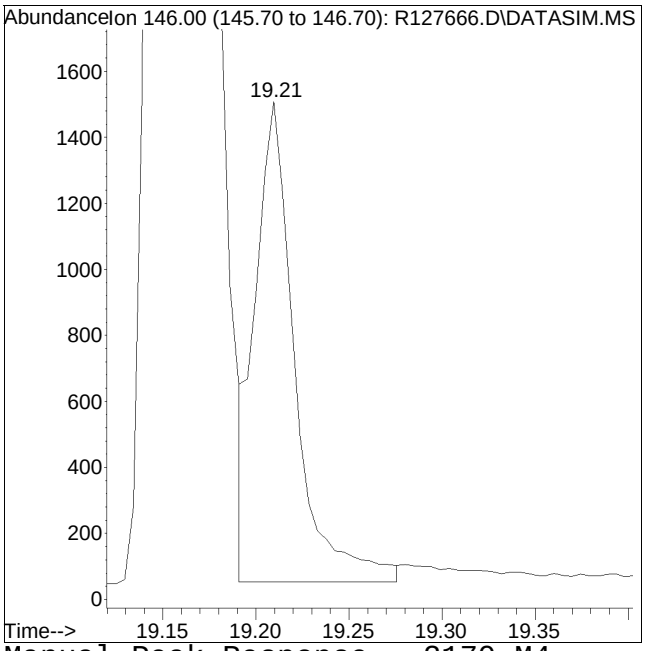
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #72: 1,4-dichlorobenzene



Original Peak Response = 2185



Manual Peak Response = 2170 M4

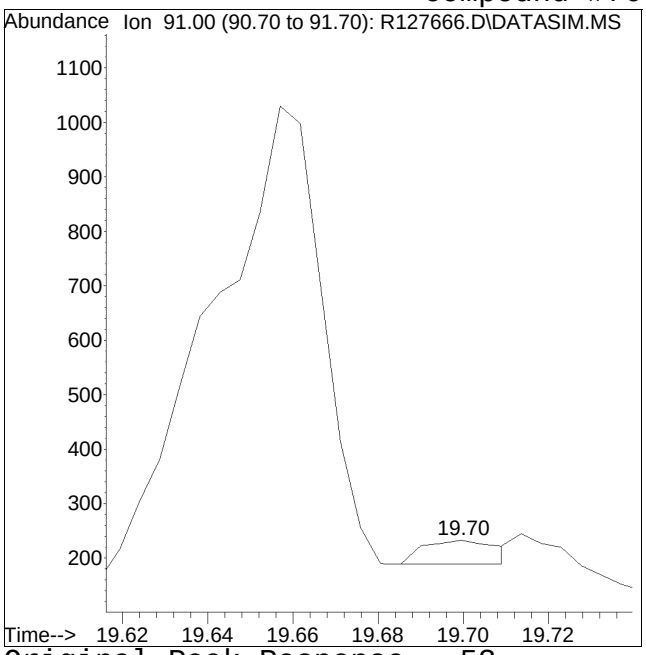
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

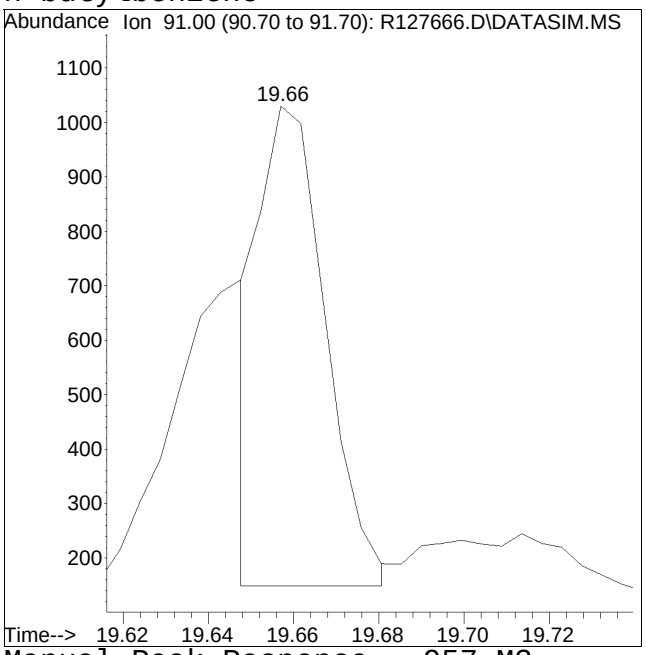
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #76: n-butylbenzene



Original Peak Response = 53



Manual Peak Response = 957 M3

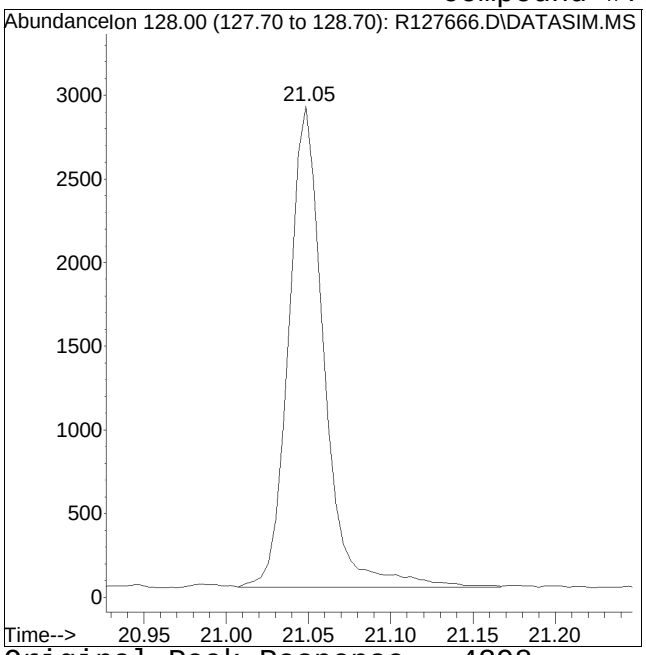
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

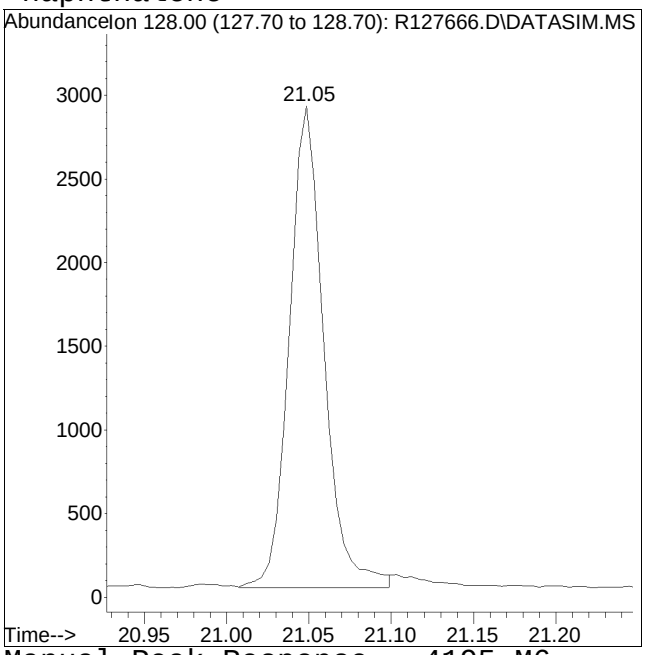
Data Path : O:\Forensics\Data\AIR1\2013Q
Data File : R127666.D
Date Inj'd : 4/15/2013 5:07 pm
Sample : WG601750-5,3,250,250

Method : TSIM130402.M
Operator : AIRPIANO1:MB
Instrument : Air Piano 1
Quant Date : 4/16/2013 8:45 am

Compound #78: naphthalene



Original Peak Response = 4298



Manual Peak Response = 4195 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Alpha Report

ANALYTICAL REPORT

Lab Number:	L1306330
Client:	Stone Environmental 535 Stone Cutters Way Montpelier, VT 05602
ATTN:	Joe Schmidl
Phone:	(802) 229-1875
Project Name:	SCOTIA NAVAL DEPOT
Project Number:	102305-R-07
Report Date:	04/18/13

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1306330-01	SV3-1-A	SCOTIA, NY	04/04/13 11:58
L1306330-02	SV4-1-A	SCOTIA, NY	04/04/13 12:14
L1306330-03	SV2-1-A	SCOTIA, NY	04/04/13 11:18
L1306330-04	SV1-1-A	SCOTIA, NY	04/03/13 17:40
L1306330-05	AR5-3-A	SCOTIA, NY	04/04/13 15:00
L1306330-06	AR6-3-A	SCOTIA, NY	04/04/13 14:07
L1306330-07	AR7-3-A	SCOTIA, NY	04/04/13 15:19
L1306330-08	SV5-1-A	SCOTIA, NY	04/04/13 15:44
L1306330-09	SV6-1-A	SCOTIA, NY	04/04/13 16:08
L1306330-10	SV7-1-A	SCOTIA, NY	04/04/13 16:22
L1306330-11	TRIP BLANK	SCOTIA, NY	04/03/13 12:00
L1306330-12	AR8-3-A	SCOTIA, NY	04/04/13 15:44
L1306330-13	AR9-3-A	SCOTIA, NY	04/04/13 15:42
L1306330-14	AR10-3-A	SCOTIA, NY	04/04/13 15:32
L1306330-15	AR16-3-A	SCOTIA, NY	04/04/13 15:52
L1306330-16	SV9-1-A	SCOTIA, NY	04/04/13 17:22
L1306330-17	SV8-1-A	SCOTIA, NY	04/04/13 17:46
L1306330-18	SV10-1-A	SCOTIA, NY	04/04/13 17:18
L1306330-19	AR17-3-A	SCOTIA, NY	04/05/13 15:24
L1306330-20	AR11-3-A	SCOTIA, NY	04/05/13 15:28
L1306330-21	SV11-1-A	SCOTIA, NY	04/05/13 15:24
L1306330-22	SV12-1-A	SCOTIA, NY	04/05/13 15:32
L1306330-23	SV14-1-A	SCOTIA, NY	04/05/13 16:15
L1306330-24	AR14-3-A	SCOTIA, NY	04/05/13 15:48
L1306330-25	AR15-3-A	SCOTIA, NY	04/05/13 15:44
L1306330-26	AR15-3-A-D	SCOTIA, NY	04/05/13 15:44
L1306330-27	SV13-1-A	SCOTIA, NY	04/05/13 16:10
L1306330-28	SV15-1-A	SCOTIA, NY	04/05/13 16:05
L1306330-29	SV15-1-A-D	SCOTIA, NY	04/05/13 16:05
L1306330-30	CAN 1564	SCOTIA, NY	

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: SCOTIA NAVAL DEPOT **Lab Number:** L1306330
Project Number: 102305-R-07 **Report Date:** 04/18/13

Case Narrative (continued)

Volatile Organics in Air
Canisters were released from the laboratory on April 2, 2013. The canister certification results are provided as an addendum.

Sample L1306330-28: The RPD of the pre- and post-flow controller calibration check (34% RPD) was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 10.0mL/min; the final flow rate was 7.1mL/min . The final pressure recorded by the laboratory of the associated canister was -5.4 inches of mercury.

The Canister ID recorded on the COC for sample L1306330-22 of #86838 was incorrectly recorded. This is the Alpha Laboratory Bottle Order number. The correct canister ID is #632.

WG601750-5: The relative percent difference for Carbon Tetrachloride (27%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

Sample L1306330-01 and WG601750-5 Duplicate results for Carbon Tetrachloride should be considered estimated due to co-elution with a non-target peak.

Samples L1306330-02, 08, -09, -16, -18, and -22 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Sample L1306330-04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1306330-10, -17, -27, -28 and -29 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample L1306330-23 results for Acetone should be considered estimated due to co-elution with a non-target

Project Name:	SCOTIA NAVAL DEPOT	**Lab Number:**	L1306330
Project Number:	102305-R-07	**Report Date:**	04/18/13

Case Narrative (continued)

peak.

Samples L1306330-25 and -26 were diluted and re-analyzed to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Methylene Chloride was detected below the reporting limit in the trip blank associated with the samples in this job. Since the concentration was below the laboratory reporting limit for this compound no further action was required.

The method blank sample associated with the WG60175 analytical batch yielded concentrations of Naphthalene and 1,2,4-Trichlorobenzene below reporting limits. Since the concentrations were below the laboratory reporting limits for these compounds no further action was required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/18/13

AIR

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-01
Client ID: SV3-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 16:35
Analyst: MB

Date Collected: 04/04/13 11:58
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.382	0.050	0.006	1.89	0.247	0.030		1
Chloromethane	0.268	0.500	0.048	0.553	1.03	0.099	J	1
Freon-114	0.013	0.050	0.005	0.091	0.349	0.035	J	1
Vinyl chloride	0.007	0.020	0.007	0.018	0.051	0.018	J	1
1,3-Butadiene	0.289	0.020	0.006	0.639	0.044	0.013		1
Bromomethane	0.057	0.020	0.008	0.221	0.078	0.031		1
Chloroethane	0.026	0.020	0.007	0.069	0.053	0.019		1
Acetone	28.6	2.00	0.739	67.9	4.75	1.76		1
Trichlorofluoromethane	0.150	0.050	0.008	0.843	0.281	0.045		1
Acrylonitrile	0.198	0.500	0.015	0.430	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.667	1.00	0.250	2.32	3.47	0.869	J	1
Freon-113	0.056	0.050	0.006	0.429	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	3.91	0.500	0.025	11.5	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.074	0.020	0.006	0.361	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	0.183	0.020	0.007	0.998	0.109	0.038		1
Benzene	0.871	0.100	0.021	2.78	0.319	0.067		1
Carbon tetrachloride	0.038	0.020	0.008	0.239	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-01
Client ID: SV3-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 11:58
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.048	0.020	0.007	0.258	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.446	0.500	0.042	1.83	2.05	0.172	J	1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	1.22	0.050	0.025	4.60	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.153	0.020	0.007	0.665	0.087	0.030		1
p/m-Xylene	0.423	0.040	0.009	1.84	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.027	0.020	0.008	0.115	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.186	0.020	0.008	0.808	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.055	0.020	0.010	0.270	0.098	0.048		1
1,3,5-Trimethybenzene	0.067	0.020	0.005	0.329	0.098	0.025		1
1,2,4-Trimethylbenzene	0.203	0.020	0.007	0.998	0.098	0.034		1
1,3-Dichlorobenzene	1.15	0.020	0.007	6.91	0.120	0.042		1
1,4-Dichlorobenzene	0.035	0.020	0.008	0.210	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-01
Client ID: SV3-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 11:58
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.041	0.050	0.012	0.215	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	105		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-02 D
Client ID: SV4-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 17:38
Analyst: MB

Date Collected: 04/04/13 12:14
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.414	0.100	0.012	2.05	0.494	0.059		2
Chloromethane	0.466	1.00	0.096	0.962	2.07	0.198	J	2
Freon-114	0.014	0.100	0.010	0.098	0.699	0.070	J	2
Vinyl chloride	ND	0.040	0.014	ND	0.102	0.036		2
1,3-Butadiene	0.848	0.040	0.012	1.88	0.089	0.027		2
Bromomethane	0.020	0.040	0.016	0.078	0.155	0.062	J	2
Chloroethane	0.036	0.040	0.014	0.095	0.106	0.037	J	2
Acetone	47.2	4.00	1.48	112	9.50	3.52		2
Trichlorofluoromethane	0.174	0.100	0.016	0.978	0.562	0.090		2
Acrylonitrile	0.256	1.00	0.030	0.556	2.17	0.065	J	2
1,1-Dichloroethene	ND	0.040	0.014	ND	0.159	0.056		2
Methylene chloride	0.584	2.00	0.500	2.03	6.95	1.74	J	2
Freon-113	0.058	0.100	0.012	0.445	0.766	0.092	J	2
trans-1,2-Dichloroethene	ND	0.040	0.012	ND	0.159	0.048		2
1,1-Dichloroethane	ND	0.040	0.014	ND	0.162	0.057		2
Methyl tert butyl ether	ND	0.040	0.008	ND	0.144	0.029		2
2-Butanone	7.19	1.00	0.049	21.2	2.95	0.146		2
cis-1,2-Dichloroethene	ND	0.040	0.013	ND	0.159	0.052		2
Chloroform	0.066	0.040	0.012	0.322	0.195	0.059		2
1,2-Dichloroethane	ND	0.040	0.016	ND	0.162	0.065		2
1,1,1-Trichloroethane	2.43	0.040	0.014	13.3	0.218	0.076		2
Benzene	1.14	0.200	0.042	3.64	0.639	0.134		2
Carbon tetrachloride	0.062	0.040	0.016	0.390	0.252	0.101		2
1,2-Dichloropropane	ND	0.040	0.012	ND	0.185	0.056		2

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-02 D
Client ID: SV4-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 12:14
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.040	0.016	ND	0.268	0.107		2
Trichloroethene	0.034	0.040	0.014	0.183	0.215	0.075	J	2
cis-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073		2
4-Methyl-2-pentanone	0.590	1.00	0.084	2.42	4.10	0.344	J	2
trans-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073		2
1,1,2-Trichloroethane	ND	0.040	0.018	ND	0.218	0.098		2
Toluene	1.44	0.100	0.050	5.43	0.377	0.188		2
Dibromochloromethane	ND	0.040	0.016	ND	0.341	0.136		2
1,2-Dibromoethane	ND	0.040	0.016	ND	0.307	0.123		2
Tetrachloroethene	ND	0.040	0.016	ND	0.271	0.108		2
1,1,1,2-Tetrachloroethane	ND	0.040	0.008	ND	0.275	0.055		2
Chlorobenzene	ND	0.040	0.016	ND	0.184	0.074		2
Ethylbenzene	3.20	0.040	0.014	13.9	0.174	0.061		2
p/m-Xylene	12.4	0.080	0.018	53.9	0.347	0.078		2
Bromoform	ND	0.040	0.030	ND	0.414	0.310		2
Styrene	0.042	0.040	0.016	0.179	0.170	0.068		2
1,1,2,2-Tetrachloroethane	ND	0.040	0.014	ND	0.275	0.096		2
o-Xylene	6.98	0.040	0.016	30.3	0.174	0.070		2
Isopropylbenzene	2.03	1.00	0.092	9.98	4.92	0.452		2
4-Ethyltoluene	3.50	0.040	0.020	17.2	0.197	0.097		2
1,3,5-Trimethybenzene	3.71	0.040	0.010	18.2	0.197	0.049		2
1,2,4-Trimethylbenzene	6.55	0.040	0.014	32.2	0.197	0.069		2
1,3-Dichlorobenzene	1.22	0.040	0.014	7.33	0.240	0.084		2
1,4-Dichlorobenzene	0.032	0.040	0.016	0.192	0.240	0.096	J	2
sec-Butylbenzene	0.690	1.00	0.094	3.79	5.49	0.516	J	2
p-Isopropyltoluene	0.616	1.00	0.096	3.38	5.49	0.527	J	2
1,2-Dichlorobenzene	ND	0.040	0.014	ND	0.240	0.084		2
n-Butylbenzene	0.276	1.00	0.090	1.51	5.49	0.494	J	2

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-02 D
Client ID: SV4-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 12:14
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.100	0.020	ND	0.742	0.148		2
Naphthalene	0.028	0.100	0.024	0.147	0.524	0.126	J	2
1,2,3-Trichlorobenzene	ND	0.100	0.038	ND	0.742	0.282		2
Hexachlorobutadiene	ND	0.100	0.022	ND	1.07	0.235		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	105		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-03
Client ID: SV2-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 18:10
Analyst: MB

Date Collected: 04/04/13 11:18
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.425	0.050	0.006	2.10	0.247	0.030		1
Chloromethane	0.244	0.500	0.048	0.504	1.03	0.099	J	1
Freon-114	0.013	0.050	0.005	0.091	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	0.015	0.020	0.007	0.040	0.053	0.019	J	1
Acetone	16.3	2.00	0.739	38.7	4.75	1.76		1
Trichlorofluoromethane	0.189	0.050	0.008	1.06	0.281	0.045		1
Acrylonitrile	0.018	0.500	0.015	0.039	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	1.15	1.00	0.250	4.00	3.47	0.869		1
Freon-113	0.061	0.050	0.006	0.468	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	0.005	0.020	0.004	0.018	0.072	0.014	J	1
2-Butanone	1.36	0.500	0.025	4.01	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.014	0.020	0.006	0.068	0.098	0.029	J	1
1,2-Dichloroethane	0.010	0.020	0.008	0.041	0.081	0.032	J	1
1,1,1-Trichloroethane	0.240	0.020	0.007	1.31	0.109	0.038		1
Benzene	0.155	0.100	0.021	0.495	0.319	0.067		1
Carbon tetrachloride	0.330	0.020	0.008	2.08	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-03
Client ID: SV2-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 11:18
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.084	0.020	0.007	0.451	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.482	0.500	0.042	1.98	2.05	0.172	J	1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.350	0.050	0.025	1.32	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.009	0.020	0.008	0.061	0.136	0.054	J	1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	1.24	0.020	0.007	5.39	0.087	0.030		1
p/m-Xylene	5.45	0.040	0.009	23.7	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.024	0.020	0.008	0.102	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	3.25	0.020	0.008	14.1	0.087	0.035		1
Isopropylbenzene	1.07	0.500	0.046	5.26	2.46	0.226		1
4-Ethyltoluene	2.96	0.020	0.010	14.6	0.098	0.048		1
1,3,5-Trimethybenzene	3.05	0.020	0.005	15.0	0.098	0.025		1
1,2,4-Trimethylbenzene	6.70	0.020	0.007	32.9	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	0.593	0.500	0.047	3.25	2.74	0.258		1
p-Isopropyltoluene	0.942	0.500	0.048	5.17	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	0.492	0.500	0.045	2.70	2.74	0.247	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-03
Client ID: SV2-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 11:18
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.166	0.050	0.012	0.870	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	104		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-04
Client ID: SV1-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 18:42
Analyst: MB

Date Collected: 04/03/13 17:40
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.408	0.050	0.006	2.02	0.247	0.030		1
Chloromethane	0.154	0.500	0.048	0.318	1.03	0.099	J	1
Freon-114	0.016	0.050	0.005	0.112	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.150	0.020	0.006	0.332	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	49.8	2.00	0.739	118	4.75	1.76		1
Trichlorofluoromethane	0.194	0.050	0.008	1.09	0.281	0.045		1
Acrylonitrile	0.133	0.500	0.015	0.289	1.09	0.033	J	1
1,1-Dichloroethene	0.799	0.020	0.007	3.17	0.079	0.028		1
Methylene chloride	0.403	1.00	0.250	1.40	3.47	0.869	J	1
Freon-113	0.066	0.050	0.006	0.506	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	0.007	0.020	0.004	0.025	0.072	0.014	J	1
2-Butanone	4.94	0.500	0.025	14.6	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.261	0.020	0.006	1.27	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	3.42	0.020	0.007	18.7	0.109	0.038		1
Benzene	0.496	0.100	0.021	1.58	0.319	0.067		1
Carbon tetrachloride	1.19	0.020	0.008	7.49	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-04
Client ID: SV1-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/03/13 17:40
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	2.33	0.020	0.007	12.5	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	1.12	0.500	0.042	4.59	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	2.10	0.050	0.025	7.91	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.012	0.020	0.008	0.081	0.136	0.054	J	1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.240	0.020	0.007	1.04	0.087	0.030		1
p/m-Xylene	0.897	0.040	0.009	3.90	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.037	0.020	0.008	0.158	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.369	0.020	0.008	1.60	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.166	0.020	0.010	0.816	0.098	0.048		1
1,3,5-Trimethybenzene	0.191	0.020	0.005	0.939	0.098	0.025		1
1,2,4-Trimethylbenzene	0.713	0.020	0.007	3.51	0.098	0.034		1
1,3-Dichlorobenzene	0.580	0.020	0.007	3.49	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	0.296	0.500	0.048	1.62	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	0.076	0.500	0.045	0.417	2.74	0.247	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-04
Client ID: SV1-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/03/13 17:40
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.186	0.050	0.012	0.975	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	102		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-05
Client ID: AR5-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 18:45
Analyst: RY

Date Collected: 04/04/13 15:00
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.436	0.050	0.006	2.16	0.247	0.030		1
Chloromethane	0.681	0.500	0.048	1.41	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.043	0.020	0.006	0.095	0.044	0.013		1
Bromomethane	0.010	0.020	0.008	0.039	0.078	0.031	J	1
Chloroethane	0.008	0.020	0.007	0.021	0.053	0.019	J	1
Acetone	4.81	2.00	0.739	11.4	4.75	1.76		1
Trichlorofluoromethane	0.219	0.050	0.008	1.23	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	0.070	0.050	0.006	0.537	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.289	0.500	0.025	0.852	1.47	0.073	J	1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.018	0.020	0.006	0.088	0.098	0.029	J	1
1,2-Dichloroethane	0.017	0.020	0.008	0.069	0.081	0.032	J	1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	0.129	0.100	0.021	0.412	0.319	0.067		1
Carbon tetrachloride	0.094	0.020	0.008	0.591	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-05
Client ID: AR5-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:00
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.093	0.050	0.025	0.350	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.018	0.020	0.007	0.078	0.087	0.030	J	1
p/m-Xylene	0.041	0.040	0.009	0.178	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.013	0.020	0.008	0.055	0.085	0.034	J	1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.015	0.020	0.008	0.065	0.087	0.035	J	1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	0.011	0.020	0.007	0.054	0.098	0.034	J	1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	0.046	0.020	0.008	0.277	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-05
Client ID: AR5-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:00
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.012	0.050	0.012	0.063	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	99		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-06
Client ID: AR6-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 19:17
Analyst: RY

Date Collected: 04/04/13 14:07
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.408	0.050	0.006	2.02	0.247	0.030		1
Chloromethane	0.588	0.500	0.048	1.21	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.483	0.020	0.006	1.07	0.044	0.013		1
Bromomethane	0.008	0.020	0.008	0.031	0.078	0.031	J	1
Chloroethane	0.010	0.020	0.007	0.026	0.053	0.019	J	1
Acetone	5.96	2.00	0.739	14.2	4.75	1.76		1
Trichlorofluoromethane	0.226	0.050	0.008	1.27	0.281	0.045		1
Acrylonitrile	0.030	0.500	0.015	0.065	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.282	1.00	0.250	0.980	3.47	0.869	J	1
Freon-113	0.073	0.050	0.006	0.560	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.746	0.500	0.025	2.20	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.012	0.020	0.006	0.059	0.098	0.029	J	1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J	1
1,1,1-Trichloroethane	0.011	0.020	0.007	0.060	0.109	0.038	J	1
Benzene	0.290	0.100	0.021	0.926	0.319	0.067		1
Carbon tetrachloride	0.285	0.020	0.008	1.79	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-06
Client ID: AR6-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 14:07
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.111	0.020	0.007	0.597	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.480	0.050	0.025	1.81	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.068	0.020	0.007	0.295	0.087	0.030		1
p/m-Xylene	0.216	0.040	0.009	0.938	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.022	0.020	0.008	0.094	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.073	0.020	0.008	0.317	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.018	0.020	0.010	0.089	0.098	0.048	J	1
1,3,5-Trimethybenzene	0.018	0.020	0.005	0.089	0.098	0.025	J	1
1,2,4-Trimethylbenzene	0.061	0.020	0.007	0.300	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	0.010	0.020	0.008	0.060	0.120	0.048	J	1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-06
Client ID: AR6-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 14:07
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.030	0.050	0.012	0.157	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	102		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-07
Client ID: AR7-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 19:49
Analyst: RY

Date Collected: 04/04/13 15:19
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.415	0.050	0.006	2.05	0.247	0.030		1
Chloromethane	0.638	0.500	0.048	1.32	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.127	0.020	0.006	0.281	0.044	0.013		1
Bromomethane	0.015	0.020	0.008	0.058	0.078	0.031	J	1
Chloroethane	0.010	0.020	0.007	0.026	0.053	0.019	J	1
Acetone	5.22	2.00	0.739	12.4	4.75	1.76		1
Trichlorofluoromethane	0.228	0.050	0.008	1.28	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	0.074	0.050	0.006	0.567	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.444	0.500	0.025	1.31	1.47	0.073	J	1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.013	0.020	0.006	0.064	0.098	0.029	J	1
1,2-Dichloroethane	0.016	0.020	0.008	0.065	0.081	0.032	J	1
1,1,1-Trichloroethane	0.007	0.020	0.007	0.038	0.109	0.038	J	1
Benzene	0.166	0.100	0.021	0.530	0.319	0.067		1
Carbon tetrachloride	0.671	0.020	0.008	4.22	0.126	0.050		1
1,2-Dichloropropane	0.006	0.020	0.006	0.028	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-07
Client ID: AR7-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:19
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.011	0.020	0.007	0.059	0.107	0.038	J	1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.109	0.050	0.025	0.411	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.017	0.020	0.007	0.074	0.087	0.030	J	1
p/m-Xylene	0.049	0.040	0.009	0.213	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.015	0.020	0.008	0.064	0.085	0.034	J	1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.017	0.020	0.008	0.074	0.087	0.035	J	1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	0.005	0.020	0.005	0.025	0.098	0.025	J	1
1,2,4-Trimethylbenzene	0.015	0.020	0.007	0.074	0.098	0.034	J	1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	0.020	0.020	0.008	0.120	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-07
Client ID: AR7-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:19
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.035	0.050	0.012	0.184	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	101		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-08 D
Client ID: SV5-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 19:14
Analyst: MB

Date Collected: 04/04/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.470	0.100	0.012	2.32	0.494	0.059		2
Chloromethane	0.148	1.00	0.096	0.306	2.07	0.198	J	2
Freon-114	0.016	0.100	0.010	0.112	0.699	0.070	J	2
Vinyl chloride	ND	0.040	0.014	ND	0.102	0.036		2
1,3-Butadiene	0.070	0.040	0.012	0.155	0.089	0.027		2
Bromomethane	ND	0.040	0.016	ND	0.155	0.062		2
Chloroethane	0.032	0.040	0.014	0.084	0.106	0.037	J	2
Acetone	22.7	4.00	1.48	53.9	9.50	3.52		2
Trichlorofluoromethane	0.244	0.100	0.016	1.37	0.562	0.090		2
Acrylonitrile	0.116	1.00	0.030	0.252	2.17	0.065	J	2
1,1-Dichloroethene	ND	0.040	0.014	ND	0.159	0.056		2
Methylene chloride	0.602	2.00	0.500	2.09	6.95	1.74	J	2
Freon-113	0.322	0.100	0.012	2.47	0.766	0.092		2
trans-1,2-Dichloroethene	ND	0.040	0.012	ND	0.159	0.048		2
1,1-Dichloroethane	ND	0.040	0.014	ND	0.162	0.057		2
Methyl tert butyl ether	ND	0.040	0.008	ND	0.144	0.029		2
2-Butanone	9.86	1.00	0.049	29.1	2.95	0.146		2
cis-1,2-Dichloroethene	ND	0.040	0.013	ND	0.159	0.052		2
Chloroform	0.030	0.040	0.012	0.147	0.195	0.059	J	2
1,2-Dichloroethane	ND	0.040	0.016	ND	0.162	0.065		2
1,1,1-Trichloroethane	0.120	0.040	0.014	0.655	0.218	0.076		2
Benzene	1.03	0.200	0.042	3.29	0.639	0.134		2
Carbon tetrachloride	11.2	0.040	0.016	70.5	0.252	0.101		2
1,2-Dichloropropane	ND	0.040	0.012	ND	0.185	0.056		2

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-08 D
Client ID: SV5-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.040	0.016	ND	0.268	0.107		2
Trichloroethene	0.034	0.040	0.014	0.183	0.215	0.075	J	2
cis-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073		2
4-Methyl-2-pentanone	3.26	1.00	0.084	13.4	4.10	0.344		2
trans-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073		2
1,1,2-Trichloroethane	ND	0.040	0.018	ND	0.218	0.098		2
Toluene	4.15	0.100	0.050	15.6	0.377	0.188		2
Dibromochloromethane	ND	0.040	0.016	ND	0.341	0.136		2
1,2-Dibromoethane	ND	0.040	0.016	ND	0.307	0.123		2
Tetrachloroethene	0.024	0.040	0.016	0.163	0.271	0.108	J	2
1,1,1,2-Tetrachloroethane	ND	0.040	0.008	ND	0.275	0.055		2
Chlorobenzene	ND	0.040	0.016	ND	0.184	0.074		2
Ethylbenzene	1.15	0.040	0.014	5.00	0.174	0.061		2
p/m-Xylene	3.68	0.080	0.018	16.0	0.347	0.078		2
Bromoform	ND	0.040	0.030	ND	0.414	0.310		2
Styrene	0.110	0.040	0.016	0.468	0.170	0.068		2
1,1,2,2-Tetrachloroethane	ND	0.040	0.014	ND	0.275	0.096		2
o-Xylene	1.49	0.040	0.016	6.47	0.174	0.070		2
Isopropylbenzene	0.098	1.00	0.092	0.482	4.92	0.452	J	2
4-Ethyltoluene	0.382	0.040	0.020	1.88	0.197	0.097		2
1,3,5-Trimethybenzene	0.420	0.040	0.010	2.06	0.197	0.049		2
1,2,4-Trimethylbenzene	1.30	0.040	0.014	6.39	0.197	0.069		2
1,3-Dichlorobenzene	2.68	0.040	0.014	16.1	0.240	0.084		2
1,4-Dichlorobenzene	0.064	0.040	0.016	0.385	0.240	0.096		2
sec-Butylbenzene	ND	1.00	0.094	ND	5.49	0.516		2
p-Isopropyltoluene	ND	1.00	0.096	ND	5.49	0.527		2
1,2-Dichlorobenzene	ND	0.040	0.014	ND	0.240	0.084		2
n-Butylbenzene	ND	1.00	0.090	ND	5.49	0.494		2

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-08 D
Client ID: SV5-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.100	0.020	ND	0.742	0.148		2
Naphthalene	0.072	0.100	0.024	0.378	0.524	0.126	J	2
1,2,3-Trichlorobenzene	ND	0.100	0.038	ND	0.742	0.282		2
Hexachlorobutadiene	ND	0.100	0.022	ND	1.07	0.235		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	103		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-09 D
Client ID: SV6-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 19:46
Analyst: MB

Date Collected: 04/04/13 16:08
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.448	0.100	0.012	2.22	0.494	0.059		2
Chloromethane	0.138	1.00	0.096	0.285	2.07	0.198	J	2
Freon-114	0.014	0.100	0.010	0.098	0.699	0.070	J	2
Vinyl chloride	ND	0.040	0.014	ND	0.102	0.036		2
1,3-Butadiene	0.092	0.040	0.012	0.204	0.089	0.027		2
Bromomethane	ND	0.040	0.016	ND	0.155	0.062		2
Chloroethane	ND	0.040	0.014	ND	0.106	0.037		2
Acetone	10.5	4.00	1.48	24.9	9.50	3.52		2
Trichlorofluoromethane	0.196	0.100	0.016	1.10	0.562	0.090		2
Acrylonitrile	ND	1.00	0.030	ND	2.17	0.065		2
1,1-Dichloroethene	ND	0.040	0.014	ND	0.159	0.056		2
Methylene chloride	4.34	2.00	0.500	15.1	6.95	1.74		2
Freon-113	0.088	0.100	0.012	0.674	0.766	0.092	J	2
trans-1,2-Dichloroethene	ND	0.040	0.012	ND	0.159	0.048		2
1,1-Dichloroethane	ND	0.040	0.014	ND	0.162	0.057		2
Methyl tert butyl ether	ND	0.040	0.008	ND	0.144	0.029		2
2-Butanone	7.03	1.00	0.049	20.7	2.95	0.146		2
cis-1,2-Dichloroethene	ND	0.040	0.013	ND	0.159	0.052		2
Chloroform	0.036	0.040	0.012	0.176	0.195	0.059	J	2
1,2-Dichloroethane	ND	0.040	0.016	ND	0.162	0.065		2
1,1,1-Trichloroethane	0.504	0.040	0.014	2.75	0.218	0.076		2
Benzene	0.636	0.200	0.042	2.03	0.639	0.134		2
Carbon tetrachloride	0.252	0.040	0.016	1.59	0.252	0.101		2
1,2-Dichloropropane	ND	0.040	0.012	ND	0.185	0.056		2

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-09 D
Client ID: SV6-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 16:08
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.040	0.016	ND	0.268	0.107		2
Trichloroethene	0.234	0.040	0.014	1.26	0.215	0.075		2
cis-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073		2
4-Methyl-2-pentanone	2.47	1.00	0.084	10.1	4.10	0.344		2
trans-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073		2
1,1,2-Trichloroethane	ND	0.040	0.018	ND	0.218	0.098		2
Toluene	3.92	0.100	0.050	14.8	0.377	0.188		2
Dibromochloromethane	ND	0.040	0.016	ND	0.341	0.136		2
1,2-Dibromoethane	ND	0.040	0.016	ND	0.307	0.123		2
Tetrachloroethene	0.024	0.040	0.016	0.163	0.271	0.108	J	2
1,1,1,2-Tetrachloroethane	ND	0.040	0.008	ND	0.275	0.055		2
Chlorobenzene	ND	0.040	0.016	ND	0.184	0.074		2
Ethylbenzene	0.984	0.040	0.014	4.27	0.174	0.061		2
p/m-Xylene	3.10	0.080	0.018	13.5	0.347	0.078		2
Bromoform	ND	0.040	0.030	ND	0.414	0.310		2
Styrene	0.094	0.040	0.016	0.400	0.170	0.068		2
1,1,2,2-Tetrachloroethane	ND	0.040	0.014	ND	0.275	0.096		2
o-Xylene	1.28	0.040	0.016	5.56	0.174	0.070		2
Isopropylbenzene	ND	1.00	0.092	ND	4.92	0.452		2
4-Ethyltoluene	0.344	0.040	0.020	1.69	0.197	0.097		2
1,3,5-Trimethybenzene	0.380	0.040	0.010	1.87	0.197	0.049		2
1,2,4-Trimethylbenzene	1.19	0.040	0.014	5.85	0.197	0.069		2
1,3-Dichlorobenzene	1.87	0.040	0.014	11.2	0.240	0.084		2
1,4-Dichlorobenzene	0.022	0.040	0.016	0.132	0.240	0.096	J	2
sec-Butylbenzene	ND	1.00	0.094	ND	5.49	0.516		2
p-Isopropyltoluene	ND	1.00	0.096	ND	5.49	0.527		2
1,2-Dichlorobenzene	ND	0.040	0.014	ND	0.240	0.084		2
n-Butylbenzene	ND	1.00	0.090	ND	5.49	0.494		2

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-09 D
Client ID: SV6-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 16:08
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.100	0.020	ND	0.742	0.148		2
Naphthalene	0.056	0.100	0.024	0.294	0.524	0.126	J	2
1,2,3-Trichlorobenzene	ND	0.100	0.038	ND	0.742	0.282		2
Hexachlorobutadiene	ND	0.100	0.022	ND	1.07	0.235		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-10 D
Client ID: SV7-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 20:17
Analyst: MB

Date Collected: 04/04/13 16:22
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.620	0.500	0.060	3.07	2.47	0.297		10
Chloromethane	ND	5.00	0.480	ND	10.3	0.991		10
Freon-114	ND	0.500	0.050	ND	3.49	0.349		10
Vinyl chloride	ND	0.200	0.070	ND	0.511	0.179		10
1,3-Butadiene	0.260	0.200	0.060	0.575	0.442	0.133		10
Bromomethane	ND	0.200	0.080	ND	0.777	0.311		10
Chloroethane	ND	0.200	0.070	ND	0.528	0.185		10
Acetone	25.0	20.0	7.39	59.4	47.5	17.6		10
Trichlorofluoromethane	0.290	0.500	0.080	1.63	2.81	0.450	J	10
Acrylonitrile	0.230	5.00	0.150	0.499	10.9	0.326	J	10
1,1-Dichloroethene	ND	0.200	0.070	ND	0.793	0.278		10
Methylene chloride	ND	10.0	2.50	ND	34.7	8.69		10
Freon-113	0.090	0.500	0.060	0.690	3.83	0.460	J	10
trans-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.238		10
1,1-Dichloroethane	ND	0.200	0.070	ND	0.809	0.283		10
Methyl tert butyl ether	ND	0.200	0.040	ND	0.721	0.144		10
2-Butanone	5.96	5.00	0.247	17.6	14.7	0.728		10
cis-1,2-Dichloroethene	ND	0.200	0.066	ND	0.793	0.262		10
Chloroform	0.150	0.200	0.060	0.733	0.977	0.293	J	10
1,2-Dichloroethane	ND	0.200	0.080	ND	0.809	0.324		10
1,1,1-Trichloroethane	0.330	0.200	0.070	1.80	1.09	0.382		10
Benzene	0.510	1.00	0.210	1.63	3.19	0.671	J	10
Carbon tetrachloride	258	0.200	0.080	1620	1.26	0.503		10
1,2-Dichloropropane	ND	0.200	0.060	ND	0.924	0.277		10

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-10 D
Client ID: SV7-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 16:22
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.200	0.080	ND	1.34	0.536		10
Trichloroethene	ND	0.200	0.070	ND	1.07	0.376		10
cis-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363		10
4-Methyl-2-pentanone	1.52	5.00	0.420	6.23	20.5	1.72	J	10
trans-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363		10
1,1,2-Trichloroethane	ND	0.200	0.090	ND	1.09	0.491		10
Toluene	0.830	0.500	0.250	3.13	1.88	0.942		10
Dibromochloromethane	ND	0.200	0.080	ND	1.70	0.682		10
1,2-Dibromoethane	ND	0.200	0.080	ND	1.54	0.615		10
Tetrachloroethene	ND	0.200	0.080	ND	1.36	0.542		10
1,1,1,2-Tetrachloroethane	ND	0.200	0.040	ND	1.37	0.275		10
Chlorobenzene	ND	0.200	0.080	ND	0.921	0.368		10
Ethylbenzene	0.110	0.200	0.070	0.478	0.869	0.304	J	10
p/m-Xylene	0.330	0.400	0.090	1.43	1.74	0.391	J	10
Bromoform	ND	0.200	0.150	ND	2.07	1.55		10
Styrene	ND	0.200	0.080	ND	0.852	0.341		10
1,1,2,2-Tetrachloroethane	ND	0.200	0.070	ND	1.37	0.481		10
o-Xylene	0.150	0.200	0.080	0.652	0.869	0.347	J	10
Isopropylbenzene	ND	5.00	0.460	ND	24.6	2.26		10
4-Ethyltoluene	ND	0.200	0.098	ND	0.983	0.484		10
1,3,5-Trimethybenzene	0.060	0.200	0.050	0.295	0.983	0.246	J	10
1,2,4-Trimethylbenzene	0.200	0.200	0.070	0.983	0.983	0.344		10
1,3-Dichlorobenzene	1.03	0.200	0.070	6.19	1.20	0.421		10
1,4-Dichlorobenzene	ND	0.200	0.080	ND	1.20	0.481		10
sec-Butylbenzene	ND	5.00	0.470	ND	27.4	2.58		10
p-Isopropyltoluene	ND	5.00	0.480	ND	27.4	2.63		10
1,2-Dichlorobenzene	ND	0.200	0.070	ND	1.20	0.421		10
n-Butylbenzene	ND	5.00	0.450	ND	27.4	2.47		10

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-10 D
Client ID: SV7-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 16:22
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.500	0.100	ND	3.71	0.742		10
Naphthalene	ND	0.500	0.120	ND	2.62	0.629		10
1,2,3-Trichlorobenzene	ND	0.500	0.190	ND	3.71	1.41		10
Hexachlorobutadiene	ND	0.500	0.110	ND	5.33	1.17		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	100		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-11
Client ID: TRIP BLANK
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 18:13
Analyst: RY

Date Collected: 04/03/13 12:00
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.798	1.00	0.250	2.77	3.47	0.869	J	1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-11
Client ID: TRIP BLANK
Sample Location: SCOTIA, NY
Date Collected: 04/03/13 12:00
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-11
Client ID: TRIP BLANK
Sample Location: SCOTIA, NY
Date Collected: 04/03/13 12:00
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	101		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-12
Client ID: AR8-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 20:21
Analyst: RY

Date Collected: 04/04/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.452	0.050	0.006	2.24	0.247	0.030		1
Chloromethane	0.745	0.500	0.048	1.54	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.213	0.020	0.006	0.471	0.044	0.013		1
Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J	1
Chloroethane	0.010	0.020	0.007	0.026	0.053	0.019	J	1
Acetone	22.2	2.00	0.739	52.7	4.75	1.76		1
Trichlorofluoromethane	0.224	0.050	0.008	1.26	0.281	0.045		1
Acrylonitrile	0.027	0.500	0.015	0.059	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	1.40	1.00	0.250	4.86	3.47	0.869		1
Freon-113	0.089	0.050	0.006	0.682	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	1.48	0.500	0.025	4.36	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.034	0.020	0.006	0.166	0.098	0.029		1
1,2-Dichloroethane	0.022	0.020	0.008	0.089	0.081	0.032		1
1,1,1-Trichloroethane	0.236	0.020	0.007	1.29	0.109	0.038		1
Benzene	0.506	0.100	0.021	1.62	0.319	0.067		1
Carbon tetrachloride	0.548	0.020	0.008	3.45	0.126	0.050		1
1,2-Dichloropropane	0.007	0.020	0.006	0.032	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-12
Client ID: AR8-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.241	0.020	0.007	1.30	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.157	0.500	0.042	0.643	2.05	0.172	J	1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	1.10	0.050	0.025	4.15	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.073	0.020	0.008	0.495	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	0.012	0.020	0.008	0.055	0.092	0.037	J	1
Ethylbenzene	0.169	0.020	0.007	0.734	0.087	0.030		1
p/m-Xylene	0.512	0.040	0.009	2.22	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.071	0.020	0.008	0.302	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.238	0.020	0.008	1.03	0.087	0.035		1
Isopropylbenzene	0.065	0.500	0.046	0.320	2.46	0.226	J	1
4-Ethyltoluene	0.237	0.020	0.010	1.17	0.098	0.048		1
1,3,5-Trimethybenzene	0.247	0.020	0.005	1.21	0.098	0.025		1
1,2,4-Trimethylbenzene	0.792	0.020	0.007	3.89	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	2.48	0.020	0.008	14.9	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	0.479	0.500	0.048	2.63	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-12
Client ID: AR8-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.221	0.050	0.012	1.16	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	103		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-13
Client ID: AR9-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 20:53
Analyst: RY

Date Collected: 04/04/13 15:42
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.050	0.006	2.25	0.247	0.030		1
Chloromethane	0.601	0.500	0.048	1.24	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.171	0.020	0.006	0.378	0.044	0.013		1
Bromomethane	0.008	0.020	0.008	0.031	0.078	0.031	J	1
Chloroethane	0.007	0.020	0.007	0.019	0.053	0.019	J	1
Acetone	12.4	2.00	0.739	29.5	4.75	1.76		1
Trichlorofluoromethane	0.227	0.050	0.008	1.28	0.281	0.045		1
Acrylonitrile	0.016	0.500	0.015	0.035	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.531	1.00	0.250	1.84	3.47	0.869	J	1
Freon-113	0.078	0.050	0.006	0.598	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	1.18	0.500	0.025	3.48	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.017	0.020	0.006	0.083	0.098	0.029	J	1
1,2-Dichloroethane	0.018	0.020	0.008	0.073	0.081	0.032	J	1
1,1,1-Trichloroethane	0.065	0.020	0.007	0.355	0.109	0.038		1
Benzene	0.315	0.100	0.021	1.01	0.319	0.067		1
Carbon tetrachloride	0.108	0.020	0.008	0.679	0.126	0.050		1
1,2-Dichloropropane	0.006	0.020	0.006	0.028	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-13
Client ID: AR9-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:42
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.293	0.020	0.007	1.57	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.103	0.500	0.042	0.422	2.05	0.172	J	1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.621	0.050	0.025	2.34	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.061	0.020	0.008	0.414	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.118	0.020	0.007	0.513	0.087	0.030		1
p/m-Xylene	0.398	0.040	0.009	1.73	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.063	0.020	0.008	0.268	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.165	0.020	0.008	0.717	0.087	0.035		1
Isopropylbenzene	0.052	0.500	0.046	0.256	2.46	0.226	J	1
4-Ethyltoluene	0.385	0.020	0.010	1.89	0.098	0.048		1
1,3,5-Trimethybenzene	0.415	0.020	0.005	2.04	0.098	0.025		1
1,2,4-Trimethylbenzene	1.26	0.020	0.007	6.19	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	0.113	0.020	0.008	0.679	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	0.220	0.500	0.048	1.21	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-13
Client ID: AR9-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:42
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.173	0.050	0.012	0.907	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	102		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-14
Client ID: AR10-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 21:25
Analyst: RY

Date Collected: 04/04/13 15:32
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.439	0.050	0.006	2.17	0.247	0.030		1
Chloromethane	0.609	0.500	0.048	1.26	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.168	0.020	0.006	0.372	0.044	0.013		1
Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J	1
Chloroethane	0.009	0.020	0.007	0.024	0.053	0.019	J	1
Acetone	10.9	2.00	0.739	25.9	4.75	1.76		1
Trichlorofluoromethane	0.228	0.050	0.008	1.28	0.281	0.045		1
Acrylonitrile	0.018	0.500	0.015	0.039	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	1.93	1.00	0.250	6.70	3.47	0.869		1
Freon-113	0.076	0.050	0.006	0.583	0.383	0.046		1
trans-1,2-Dichloroethene	0.007	0.020	0.006	0.028	0.079	0.024	J	1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	1.36	0.500	0.025	4.01	1.47	0.073		1
cis-1,2-Dichloroethene	0.012	0.020	0.007	0.048	0.079	0.026	J	1
Chloroform	0.017	0.020	0.006	0.083	0.098	0.029	J	1
1,2-Dichloroethane	0.021	0.020	0.008	0.085	0.081	0.032		1
1,1,1-Trichloroethane	0.073	0.020	0.007	0.398	0.109	0.038		1
Benzene	0.470	0.100	0.021	1.50	0.319	0.067		1
Carbon tetrachloride	0.105	0.020	0.008	0.660	0.126	0.050		1
1,2-Dichloropropane	0.007	0.020	0.006	0.032	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-14
Client ID: AR10-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:32
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.469	0.020	0.007	2.52	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.095	0.500	0.042	0.389	2.05	0.172	J	1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.884	0.050	0.025	3.33	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.213	0.020	0.008	1.44	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	0.009	0.020	0.008	0.041	0.092	0.037	J	1
Ethylbenzene	0.138	0.020	0.007	0.599	0.087	0.030		1
p/m-Xylene	0.467	0.040	0.009	2.03	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.064	0.020	0.008	0.272	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.196	0.020	0.008	0.851	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.194	0.020	0.010	0.954	0.098	0.048		1
1,3,5-Trimethybenzene	0.211	0.020	0.005	1.04	0.098	0.025		1
1,2,4-Trimethylbenzene	0.659	0.020	0.007	3.24	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	0.128	0.020	0.008	0.770	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	0.206	0.500	0.048	1.13	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-14
Client ID: AR10-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:32
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.208	0.050	0.012	1.09	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	101		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-15
Client ID: AR16-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 21:57
Analyst: RY

Date Collected: 04/04/13 15:52
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.437	0.050	0.006	2.16	0.247	0.030		1
Chloromethane	0.585	0.500	0.048	1.21	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	0.011	0.020	0.008	0.043	0.078	0.031	J	1
Chloroethane	0.008	0.020	0.007	0.021	0.053	0.019	J	1
Acetone	4.28	2.00	0.739	10.2	4.75	1.76		1
Trichlorofluoromethane	0.226	0.050	0.008	1.27	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.288	1.00	0.250	1.00	3.47	0.869	J	1
Freon-113	0.073	0.050	0.006	0.560	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.165	0.500	0.025	0.487	1.47	0.073	J	1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.012	0.020	0.006	0.059	0.098	0.029	J	1
1,2-Dichloroethane	0.016	0.020	0.008	0.065	0.081	0.032	J	1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	0.090	0.100	0.021	0.288	0.319	0.067	J	1
Carbon tetrachloride	0.057	0.020	0.008	0.359	0.126	0.050		1
1,2-Dichloropropane	0.006	0.020	0.006	0.028	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-15
Client ID: AR16-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:52
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.099	0.050	0.025	0.373	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.009	0.020	0.007	0.039	0.087	0.030	J	1
p/m-Xylene	0.025	0.040	0.009	0.109	0.174	0.039	J	1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.009	0.020	0.008	0.039	0.087	0.035	J	1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	0.005	0.020	0.005	0.025	0.098	0.025	J	1
1,2,4-Trimethylbenzene	0.011	0.020	0.007	0.054	0.098	0.034	J	1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-15
Client ID: AR16-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 15:52
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	101		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-16 D
Client ID: SV9-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 20:49
Analyst: MB

Date Collected: 04/04/13 17:22
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.510	0.167	0.020	2.52	0.826	0.099		3.333
Chloromethane	0.200	1.67	0.160	0.413	3.45	0.330	J	3.333
Freon-114	0.017	0.167	0.017	0.117	1.17	0.117	J	3.333
Vinyl chloride	ND	0.067	0.023	ND	0.171	0.060		3.333
1,3-Butadiene	0.080	0.067	0.020	0.177	0.148	0.044		3.333
Bromomethane	ND	0.067	0.027	ND	0.259	0.104		3.333
Chloroethane	ND	0.067	0.023	ND	0.176	0.062		3.333
Acetone	14.5	6.67	2.46	34.4	15.8	5.84		3.333
Trichlorofluoromethane	0.263	0.167	0.027	1.48	0.938	0.150		3.333
Acrylonitrile	0.090	1.67	0.050	0.195	3.62	0.109	J	3.333
1,1-Dichloroethene	ND	0.067	0.023	ND	0.264	0.092		3.333
Methylene chloride	3.28	3.33	0.833	11.4	11.6	2.89	J	3.333
Freon-113	1.33	0.167	0.020	10.2	1.28	0.153		3.333
trans-1,2-Dichloroethene	ND	0.067	0.020	ND	0.264	0.079		3.333
1,1-Dichloroethane	ND	0.067	0.023	ND	0.270	0.094		3.333
Methyl tert butyl ether	ND	0.067	0.013	ND	0.240	0.048		3.333
2-Butanone	12.1	1.67	0.082	35.7	4.93	0.243		3.333
cis-1,2-Dichloroethene	ND	0.067	0.022	ND	0.264	0.087		3.333
Chloroform	0.643	0.067	0.020	3.14	0.326	0.098		3.333
1,2-Dichloroethane	ND	0.067	0.027	ND	0.270	0.108		3.333
1,1,1-Trichloroethane	11.2	0.067	0.023	61.1	0.364	0.127		3.333
Benzene	0.613	0.333	0.070	1.96	1.06	0.224		3.333
Carbon tetrachloride	7.91	0.067	0.027	49.8	0.420	0.168		3.333
1,2-Dichloropropane	ND	0.067	0.020	ND	0.308	0.092		3.333

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-16 D
Client ID: SV9-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 17:22
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.067	0.027	ND	0.447	0.179		3.333
Trichloroethene	0.460	0.067	0.023	2.47	0.358	0.125		3.333
cis-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121		3.333
4-Methyl-2-pentanone	2.50	1.67	0.140	10.2	6.84	0.574		3.333
trans-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121		3.333
1,1,2-Trichloroethane	ND	0.067	0.030	ND	0.364	0.164		3.333
Toluene	2.82	0.167	0.083	10.6	0.629	0.314		3.333
Dibromochloromethane	ND	0.067	0.027	ND	0.568	0.227		3.333
1,2-Dibromoethane	ND	0.067	0.027	ND	0.513	0.205		3.333
Tetrachloroethene	0.060	0.067	0.027	0.407	0.452	0.181	J	3.333
1,1,1,2-Tetrachloroethane	ND	0.067	0.013	ND	0.458	0.091		3.333
Chlorobenzene	ND	0.067	0.027	ND	0.307	0.123		3.333
Ethylbenzene	0.263	0.067	0.023	1.14	0.290	0.101		3.333
p/m-Xylene	0.883	0.133	0.030	3.84	0.578	0.130		3.333
Bromoform	ND	0.067	0.050	ND	0.690	0.517		3.333
Styrene	0.060	0.067	0.027	0.255	0.284	0.114	J	3.333
1,1,2,2-Tetrachloroethane	ND	0.067	0.023	ND	0.458	0.160		3.333
o-Xylene	0.357	0.067	0.027	1.55	0.290	0.116		3.333
Isopropylbenzene	ND	1.67	0.153	ND	8.21	0.752		3.333
4-Ethyltoluene	0.253	0.067	0.033	1.24	0.328	0.161		3.333
1,3,5-Trimethybenzene	0.263	0.067	0.017	1.29	0.328	0.082		3.333
1,2,4-Trimethylbenzene	0.783	0.067	0.023	3.85	0.328	0.115		3.333
1,3-Dichlorobenzene	2.96	0.067	0.023	17.8	0.401	0.140		3.333
1,4-Dichlorobenzene	0.087	0.067	0.027	0.521	0.401	0.161		3.333
sec-Butylbenzene	ND	1.67	0.157	ND	9.17	0.862		3.333
p-Isopropyltoluene	ND	1.67	0.160	ND	9.17	0.878		3.333
1,2-Dichlorobenzene	ND	0.067	0.023	ND	0.401	0.140		3.333
n-Butylbenzene	ND	1.67	0.150	ND	9.17	0.823		3.333

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-16 D
Client ID: SV9-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 17:22
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.167	0.033	ND	1.24	0.247		3.333
Naphthalene	0.057	0.167	0.040	0.297	0.876	0.210	J	3.333
1,2,3-Trichlorobenzene	ND	0.167	0.063	ND	1.24	0.470		3.333
Hexachlorobutadiene	ND	0.167	0.037	ND	1.78	0.391		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	100		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-17 D
Client ID: SV8-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 21:21
Analyst: MB

Date Collected: 04/04/13 17:46
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.770	0.500	0.060	3.81	2.47	0.297		10
Chloromethane	ND	5.00	0.480	ND	10.3	0.991		10
Freon-114	ND	0.500	0.050	ND	3.49	0.349		10
Vinyl chloride	ND	0.200	0.070	ND	0.511	0.179		10
1,3-Butadiene	0.120	0.200	0.060	0.265	0.442	0.133	J	10
Bromomethane	ND	0.200	0.080	ND	0.777	0.311		10
Chloroethane	ND	0.200	0.070	ND	0.528	0.185		10
Acetone	20.4	20.0	7.39	48.5	47.5	17.6		10
Trichlorofluoromethane	0.350	0.500	0.080	1.97	2.81	0.450	J	10
Acrylonitrile	ND	5.00	0.150	ND	10.9	0.326		10
1,1-Dichloroethene	ND	0.200	0.070	ND	0.793	0.278		10
Methylene chloride	ND	10.0	2.50	ND	34.7	8.69		10
Freon-113	8.04	0.500	0.060	61.6	3.83	0.460		10
trans-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.238		10
1,1-Dichloroethane	ND	0.200	0.070	ND	0.809	0.283		10
Methyl tert butyl ether	ND	0.200	0.040	ND	0.721	0.144		10
2-Butanone	10.2	5.00	0.247	30.1	14.7	0.728		10
cis-1,2-Dichloroethene	ND	0.200	0.066	ND	0.793	0.262		10
Chloroform	9.48	0.200	0.060	46.3	0.977	0.293		10
1,2-Dichloroethane	ND	0.200	0.080	ND	0.809	0.324		10
1,1,1-Trichloroethane	126	0.200	0.070	687	1.09	0.382		10
Benzene	0.590	1.00	0.210	1.88	3.19	0.671	J	10
Carbon tetrachloride	338	0.200	0.080	2130	1.26	0.503		10
1,2-Dichloropropane	ND	0.200	0.060	ND	0.924	0.277		10

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-17 D
Client ID: SV8-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 17:46
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.200	0.080	ND	1.34	0.536		10
Trichloroethene	0.240	0.200	0.070	1.29	1.07	0.376		10
cis-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363		10
4-Methyl-2-pentanone	3.01	5.00	0.420	12.3	20.5	1.72	J	10
trans-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363		10
1,1,2-Trichloroethane	ND	0.200	0.090	ND	1.09	0.491		10
Toluene	2.23	0.500	0.250	8.40	1.88	0.942		10
Dibromochloromethane	ND	0.200	0.080	ND	1.70	0.682		10
1,2-Dibromoethane	ND	0.200	0.080	ND	1.54	0.615		10
Tetrachloroethene	ND	0.200	0.080	ND	1.36	0.542		10
1,1,1,2-Tetrachloroethane	ND	0.200	0.040	ND	1.37	0.275		10
Chlorobenzene	ND	0.200	0.080	ND	0.921	0.368		10
Ethylbenzene	0.310	0.200	0.070	1.35	0.869	0.304		10
p/m-Xylene	0.990	0.400	0.090	4.30	1.74	0.391		10
Bromoform	ND	0.200	0.150	ND	2.07	1.55		10
Styrene	0.090	0.200	0.080	0.383	0.852	0.341	J	10
1,1,2,2-Tetrachloroethane	ND	0.200	0.070	ND	1.37	0.481		10
o-Xylene	0.440	0.200	0.080	1.91	0.869	0.347		10
Isopropylbenzene	ND	5.00	0.460	ND	24.6	2.26		10
4-Ethyltoluene	0.210	0.200	0.098	1.03	0.983	0.484		10
1,3,5-Trimethybenzene	0.250	0.200	0.050	1.23	0.983	0.246		10
1,2,4-Trimethylbenzene	0.780	0.200	0.070	3.83	0.983	0.344		10
1,3-Dichlorobenzene	3.45	0.200	0.070	20.7	1.20	0.421		10
1,4-Dichlorobenzene	0.990	0.200	0.080	5.95	1.20	0.481		10
sec-Butylbenzene	ND	5.00	0.470	ND	27.4	2.58		10
p-Isopropyltoluene	ND	5.00	0.480	ND	27.4	2.63		10
1,2-Dichlorobenzene	ND	0.200	0.070	ND	1.20	0.421		10
n-Butylbenzene	ND	5.00	0.450	ND	27.4	2.47		10

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-17 D
Client ID: SV8-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 17:46
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.500	0.100	ND	3.71	0.742		10
Naphthalene	ND	0.500	0.120	ND	2.62	0.629		10
1,2,3-Trichlorobenzene	ND	0.500	0.190	ND	3.71	1.41		10
Hexachlorobutadiene	ND	0.500	0.110	ND	5.33	1.17		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-18 D
Client ID: SV10-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 21:53
Analyst: MB

Date Collected: 04/04/13 17:18
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.457	0.167	0.020	2.26	0.826	0.099		3.333
Chloromethane	0.497	1.67	0.160	1.03	3.45	0.330	J	3.333
Freon-114	ND	0.167	0.017	ND	1.17	0.117		3.333
Vinyl chloride	ND	0.067	0.023	ND	0.171	0.060		3.333
1,3-Butadiene	0.290	0.067	0.020	0.642	0.148	0.044		3.333
Bromomethane	ND	0.067	0.027	ND	0.259	0.104		3.333
Chloroethane	0.103	0.067	0.023	0.272	0.176	0.062		3.333
Acetone	33.7	6.67	2.46	80.1	15.8	5.84		3.333
Trichlorofluoromethane	0.197	0.167	0.027	1.11	0.938	0.150		3.333
Acrylonitrile	0.367	1.67	0.050	0.796	3.62	0.109	J	3.333
1,1-Dichloroethene	ND	0.067	0.023	ND	0.264	0.092		3.333
Methylene chloride	1.88	3.33	0.833	6.53	11.6	2.89	J	3.333
Freon-113	0.067	0.167	0.020	0.511	1.28	0.153	J	3.333
trans-1,2-Dichloroethene	ND	0.067	0.020	ND	0.264	0.079		3.333
1,1-Dichloroethane	ND	0.067	0.023	ND	0.270	0.094		3.333
Methyl tert butyl ether	ND	0.067	0.013	ND	0.240	0.048		3.333
2-Butanone	11.1	1.67	0.082	32.7	4.93	0.243		3.333
cis-1,2-Dichloroethene	ND	0.067	0.022	ND	0.264	0.087		3.333
Chloroform	0.667	0.067	0.020	3.26	0.326	0.098		3.333
1,2-Dichloroethane	ND	0.067	0.027	ND	0.270	0.108		3.333
1,1,1-Trichloroethane	3.27	0.067	0.023	17.8	0.364	0.127		3.333
Benzene	1.21	0.333	0.070	3.87	1.06	0.224		3.333
Carbon tetrachloride	0.833	0.067	0.027	5.24	0.420	0.168		3.333
1,2-Dichloropropane	ND	0.067	0.020	ND	0.308	0.092		3.333

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-18 D
Client ID: SV10-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 17:18
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.067	0.027	ND	0.447	0.179		3.333
Trichloroethene	4.28	0.067	0.023	23.0	0.358	0.125		3.333
cis-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121		3.333
4-Methyl-2-pentanone	2.63	1.67	0.140	10.8	6.84	0.574		3.333
trans-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121		3.333
1,1,2-Trichloroethane	ND	0.067	0.030	ND	0.364	0.164		3.333
Toluene	3.13	0.167	0.083	11.8	0.629	0.314		3.333
Dibromochloromethane	ND	0.067	0.027	ND	0.568	0.227		3.333
1,2-Dibromoethane	ND	0.067	0.027	ND	0.513	0.205		3.333
Tetrachloroethene	0.167	0.067	0.027	1.13	0.452	0.181		3.333
1,1,1,2-Tetrachloroethane	ND	0.067	0.013	ND	0.458	0.091		3.333
Chlorobenzene	ND	0.067	0.027	ND	0.307	0.123		3.333
Ethylbenzene	0.263	0.067	0.023	1.14	0.290	0.101		3.333
p/m-Xylene	0.890	0.133	0.030	3.87	0.578	0.130		3.333
Bromoform	ND	0.067	0.050	ND	0.690	0.517		3.333
Styrene	0.053	0.067	0.027	0.227	0.284	0.114	J	3.333
1,1,2,2-Tetrachloroethane	ND	0.067	0.023	ND	0.458	0.160		3.333
o-Xylene	0.390	0.067	0.027	1.69	0.290	0.116		3.333
Isopropylbenzene	ND	1.67	0.153	ND	8.21	0.752		3.333
4-Ethyltoluene	0.157	0.067	0.033	0.772	0.328	0.161		3.333
1,3,5-Trimethybenzene	0.147	0.067	0.017	0.723	0.328	0.082		3.333
1,2,4-Trimethylbenzene	0.483	0.067	0.023	2.37	0.328	0.115		3.333
1,3-Dichlorobenzene	3.08	0.067	0.023	18.5	0.401	0.140		3.333
1,4-Dichlorobenzene	0.090	0.067	0.027	0.541	0.401	0.161		3.333
sec-Butylbenzene	ND	1.67	0.157	ND	9.17	0.862		3.333
p-Isopropyltoluene	ND	1.67	0.160	ND	9.17	0.878		3.333
1,2-Dichlorobenzene	ND	0.067	0.023	ND	0.401	0.140		3.333
n-Butylbenzene	ND	1.67	0.150	ND	9.17	0.823		3.333

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-18 D
Client ID: SV10-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/04/13 17:18
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.167	0.033	ND	1.24	0.247		3.333
Naphthalene	0.053	0.167	0.040	0.279	0.876	0.210	J	3.333
1,2,3-Trichlorobenzene	ND	0.167	0.063	ND	1.24	0.470		3.333
Hexachlorobutadiene	ND	0.167	0.037	ND	1.78	0.391		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-19
Client ID: AR17-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 22:30
Analyst: RY

Date Collected: 04/05/13 15:24
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.050	0.006	2.25	0.247	0.030		1
Chloromethane	0.581	0.500	0.048	1.20	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.013	0.020	0.006	0.029	0.044	0.013	J	1
Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J	1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	4.63	2.00	0.739	11.0	4.75	1.76		1
Trichlorofluoromethane	0.230	0.050	0.008	1.29	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.256	1.00	0.250	0.889	3.47	0.869	J	1
Freon-113	0.073	0.050	0.006	0.560	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.508	0.500	0.025	1.50	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.013	0.020	0.006	0.064	0.098	0.029	J	1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J	1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	0.139	0.100	0.021	0.444	0.319	0.067		1
Carbon tetrachloride	0.057	0.020	0.008	0.359	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-19
Client ID: AR17-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:24
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.157	0.050	0.025	0.592	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.034	0.020	0.008	0.231	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.022	0.020	0.007	0.096	0.087	0.030		1
p/m-Xylene	0.060	0.040	0.009	0.261	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.023	0.020	0.008	0.10	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	0.006	0.020	0.005	0.030	0.098	0.025	J	1
1,2,4-Trimethylbenzene	0.016	0.020	0.007	0.079	0.098	0.034	J	1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-19
Client ID: AR17-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:24
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	100		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-20
Client ID: AR11-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 23:34
Analyst: RY

Date Collected: 04/05/13 15:28
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.550	0.050	0.006	2.72	0.247	0.030		1
Chloromethane	0.508	0.500	0.048	1.05	1.03	0.099		1
Freon-114	0.014	0.050	0.005	0.098	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.018	0.020	0.006	0.040	0.044	0.013	J	1
Bromomethane	0.011	0.020	0.008	0.043	0.078	0.031	J	1
Chloroethane	0.007	0.020	0.007	0.019	0.053	0.019	J	1
Acetone	3.38	2.00	0.739	8.03	4.75	1.76		1
Trichlorofluoromethane	0.202	0.050	0.008	1.14	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.526	1.00	0.250	1.83	3.47	0.869	J	1
Freon-113	0.106	0.050	0.006	0.812	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.331	0.500	0.025	0.976	1.47	0.073	J	1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.031	0.020	0.006	0.151	0.098	0.029		1
1,2-Dichloroethane	0.015	0.020	0.008	0.061	0.081	0.032	J	1
1,1,1-Trichloroethane	0.125	0.020	0.007	0.682	0.109	0.038		1
Benzene	0.176	0.100	0.021	0.562	0.319	0.067		1
Carbon tetrachloride	0.612	0.020	0.008	3.85	0.126	0.050		1
1,2-Dichloropropane	0.007	0.020	0.006	0.032	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-20
Client ID: AR11-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:28
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	0.200	0.050	0.025	0.754	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.031	0.020	0.008	0.210	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.026	0.020	0.007	0.113	0.087	0.030		1
p/m-Xylene	0.070	0.040	0.009	0.304	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.027	0.020	0.008	0.117	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	0.009	0.020	0.005	0.044	0.098	0.025	J	1
1,2,4-Trimethylbenzene	0.026	0.020	0.007	0.128	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-20
Client ID: AR11-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:28
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.043	0.050	0.012	0.225	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-21
Client ID: SV11-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 22:24
Analyst: MB

Date Collected: 04/05/13 15:24
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.494	0.050	0.006	2.44	0.247	0.030		1
Chloromethane	0.160	0.500	0.048	0.330	1.03	0.099	J	1
Freon-114	0.014	0.050	0.005	0.098	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.017	0.020	0.006	0.038	0.044	0.013	J	1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	0.018	0.020	0.007	0.048	0.053	0.019	J	1
Acetone	6.49	2.00	0.739	15.4	4.75	1.76		1
Trichlorofluoromethane	0.204	0.050	0.008	1.15	0.281	0.045		1
Acrylonitrile	0.039	0.500	0.015	0.085	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	2.21	1.00	0.250	7.68	3.47	0.869		1
Freon-113	11.8	0.050	0.006	90.4	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	0.045	0.020	0.007	0.182	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	3.70	0.500	0.025	10.9	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	3.48	0.020	0.006	17.0	0.098	0.029		1
1,2-Dichloroethane	0.012	0.020	0.008	0.049	0.081	0.032	J	1
1,1,1-Trichloroethane	16.7	0.020	0.007	91.1	0.109	0.038		1
Benzene	6.18	0.100	0.021	19.7	0.319	0.067		1
Carbon tetrachloride	25.5	0.020	0.008	160	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-21
Client ID: SV11-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:24
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.015	0.020	0.007	0.081	0.107	0.038	J	1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	1.18	0.500	0.042	4.84	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	3.92	0.050	0.025	14.8	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.043	0.020	0.008	0.292	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	1.44	0.020	0.007	6.25	0.087	0.030		1
p/m-Xylene	0.864	0.040	0.009	3.75	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.027	0.020	0.008	0.115	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.374	0.020	0.008	1.62	0.087	0.035		1
Isopropylbenzene	0.123	0.500	0.046	0.605	2.46	0.226	J	1
4-Ethyltoluene	0.267	0.020	0.010	1.31	0.098	0.048		1
1,3,5-Trimethybenzene	0.228	0.020	0.005	1.12	0.098	0.025		1
1,2,4-Trimethylbenzene	0.427	0.020	0.007	2.10	0.098	0.034		1
1,3-Dichlorobenzene	0.622	0.020	0.007	3.74	0.120	0.042		1
1,4-Dichlorobenzene	0.021	0.020	0.008	0.126	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-21
Client ID: SV11-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:24
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.632	0.050	0.012	3.31	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-22 D
Client ID: SV12-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 22:56
Analyst: MB

Date Collected: 04/05/13 15:32
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.560	0.250	0.030	2.77	1.24	0.148		5
Chloromethane	0.460	2.50	0.240	0.950	5.16	0.496	J	5
Freon-114	0.035	0.250	0.025	0.245	1.75	0.175	J	5
Vinyl chloride	ND	0.100	0.035	ND	0.256	0.090		5
1,3-Butadiene	0.040	0.100	0.030	0.089	0.221	0.066	J	5
Bromomethane	ND	0.100	0.040	ND	0.388	0.155		5
Chloroethane	0.060	0.100	0.035	0.158	0.264	0.092	J	5
Acetone	9.95	10.0	3.70	23.6	23.8	8.79	J	5
Trichlorofluoromethane	0.245	0.250	0.040	1.38	1.40	0.225	J	5
Acrylonitrile	ND	2.50	0.075	ND	5.43	0.163		5
1,1-Dichloroethene	ND	0.100	0.035	ND	0.396	0.139		5
Methylene chloride	2.60	5.00	1.25	9.03	17.4	4.34	J	5
Freon-113	0.195	0.250	0.030	1.49	1.92	0.230	J	5
trans-1,2-Dichloroethene	ND	0.100	0.030	ND	0.396	0.119		5
1,1-Dichloroethane	ND	0.100	0.035	ND	0.405	0.142		5
Methyl tert butyl ether	0.025	0.100	0.020	0.090	0.361	0.072	J	5
2-Butanone	1.39	2.50	0.124	4.10	7.37	0.366	J	5
cis-1,2-Dichloroethene	ND	0.100	0.033	ND	0.396	0.131		5
Chloroform	0.270	0.100	0.030	1.32	0.488	0.147		5
1,2-Dichloroethane	ND	0.100	0.040	ND	0.405	0.162		5
1,1,1-Trichloroethane	12.7	0.100	0.035	69.3	0.546	0.191		5
Benzene	0.240	0.500	0.105	0.767	1.60	0.335	J	5
Carbon tetrachloride	87.5	0.100	0.040	550	0.629	0.252		5
1,2-Dichloropropane	ND	0.100	0.030	ND	0.462	0.139		5

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-22 D
Client ID: SV12-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:32
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.100	0.040	ND	0.670	0.268		5
Trichloroethene	0.055	0.100	0.035	0.296	0.537	0.188	J	5
cis-1,3-Dichloropropene	ND	0.100	0.040	ND	0.454	0.182		5
4-Methyl-2-pentanone	ND	2.50	0.210	ND	10.2	0.861		5
trans-1,3-Dichloropropene	ND	0.100	0.040	ND	0.454	0.182		5
1,1,2-Trichloroethane	ND	0.100	0.045	ND	0.546	0.246		5
Toluene	1.24	0.250	0.125	4.67	0.942	0.471		5
Dibromochloromethane	ND	0.100	0.040	ND	0.852	0.341		5
1,2-Dibromoethane	ND	0.100	0.040	ND	0.769	0.307		5
Tetrachloroethene	ND	0.100	0.040	ND	0.678	0.271		5
1,1,1,2-Tetrachloroethane	ND	0.100	0.020	ND	0.687	0.137		5
Chlorobenzene	ND	0.100	0.040	ND	0.461	0.184		5
Ethylbenzene	0.195	0.100	0.035	0.847	0.434	0.152		5
p/m-Xylene	0.890	0.200	0.045	3.87	0.869	0.195		5
Bromoform	ND	0.100	0.075	ND	1.03	0.775		5
Styrene	ND	0.100	0.040	ND	0.426	0.170		5
1,1,2,2-Tetrachloroethane	ND	0.100	0.035	ND	0.687	0.240		5
o-Xylene	2.64	0.100	0.040	11.5	0.434	0.174		5
Isopropylbenzene	4.32	2.50	0.230	21.2	12.3	1.13		5
4-Ethyltoluene	12.5	0.100	0.049	61.5	0.492	0.242		5
1,3,5-Trimethybenzene	10.4	0.100	0.025	51.1	0.492	0.123		5
1,2,4-Trimethylbenzene	10.5	0.100	0.035	51.6	0.492	0.172		5
1,3-Dichlorobenzene	0.225	0.100	0.035	1.35	0.601	0.210		5
1,4-Dichlorobenzene	0.045	0.100	0.040	0.271	0.601	0.240	J	5
sec-Butylbenzene	0.265	2.50	0.235	1.45	13.7	1.29	J	5
p-Isopropyltoluene	ND	2.50	0.240	ND	13.7	1.32		5
1,2-Dichlorobenzene	ND	0.100	0.035	ND	0.601	0.210		5
n-Butylbenzene	ND	2.50	0.225	ND	13.7	1.23		5

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-22 D
Client ID: SV12-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:32
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.250	0.050	ND	1.86	0.371		5
Naphthalene	0.090	0.250	0.060	0.472	1.31	0.315	J	5
1,2,3-Trichlorobenzene	ND	0.250	0.095	ND	1.86	0.705		5
Hexachlorobutadiene	ND	0.250	0.055	ND	2.67	0.587		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	96		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-23
Client ID: SV14-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 23:28
Analyst: MB

Date Collected: 04/05/13 16:15
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.434	0.050	0.006	2.15	0.247	0.030		1
Chloromethane	0.582	0.500	0.048	1.20	1.03	0.099		1
Freon-114	0.014	0.050	0.005	0.098	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.120	0.020	0.006	0.265	0.044	0.013		1
Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J	1
Chloroethane	0.066	0.020	0.007	0.174	0.053	0.019		1
Acetone	27.7	2.00	0.739	65.8	4.75	1.76		1
Trichlorofluoromethane	0.206	0.050	0.008	1.16	0.281	0.045		1
Acrylonitrile	0.127	0.500	0.015	0.276	1.09	0.033	J	1
1,1-Dichloroethene	0.007	0.020	0.007	0.028	0.079	0.028	J	1
Methylene chloride	9.79	1.00	0.250	34.0	3.47	0.869		1
Freon-113	0.066	0.050	0.006	0.506	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	3.94	0.500	0.025	11.6	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.044	0.020	0.006	0.215	0.098	0.029		1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J	1
1,1,1-Trichloroethane	0.069	0.020	0.007	0.376	0.109	0.038		1
Benzene	0.594	0.100	0.021	1.90	0.319	0.067		1
Carbon tetrachloride	0.200	0.020	0.008	1.26	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-23
Client ID: SV14-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:15
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	5.09	0.020	0.007	27.4	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.859	0.500	0.042	3.52	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	14.1	0.050	0.025	53.1	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.083	0.020	0.008	0.563	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.140	0.020	0.007	0.608	0.087	0.030		1
p/m-Xylene	0.494	0.040	0.009	2.15	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.035	0.020	0.008	0.149	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.470	0.020	0.008	2.04	0.087	0.035		1
Isopropylbenzene	0.489	0.500	0.046	2.40	2.46	0.226	J	1
4-Ethyltoluene	2.89	0.020	0.010	14.2	0.098	0.048		1
1,3,5-Trimethybenzene	2.30	0.020	0.005	11.3	0.098	0.025		1
1,2,4-Trimethylbenzene	3.90	0.020	0.007	19.2	0.098	0.034		1
1,3-Dichlorobenzene	0.375	0.020	0.007	2.25	0.120	0.042		1
1,4-Dichlorobenzene	0.059	0.020	0.008	0.355	0.120	0.048		1
sec-Butylbenzene	0.053	0.500	0.047	0.291	2.74	0.258	J	1
p-Isopropyltoluene	0.082	0.500	0.048	0.450	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-23
Client ID: SV14-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:15
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.064	0.050	0.012	0.336	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	100		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-24
Client ID: AR14-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/13 00:06
Analyst: RY

Date Collected: 04/05/13 15:48
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.454	0.050	0.006	2.24	0.247	0.030		1
Chloromethane	0.572	0.500	0.048	1.18	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.054	0.020	0.006	0.119	0.044	0.013		1
Bromomethane	0.010	0.020	0.008	0.039	0.078	0.031	J	1
Chloroethane	0.008	0.020	0.007	0.021	0.053	0.019	J	1
Acetone	21.2	2.00	0.739	50.4	4.75	1.76		1
Trichlorofluoromethane	0.233	0.050	0.008	1.31	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.402	1.00	0.250	1.40	3.47	0.869	J	1
Freon-113	0.073	0.050	0.006	0.560	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	0.745	0.500	0.025	2.20	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.017	0.020	0.006	0.083	0.098	0.029	J	1
1,2-Dichloroethane	0.017	0.020	0.008	0.069	0.081	0.032	J	1
1,1,1-Trichloroethane	0.014	0.020	0.007	0.076	0.109	0.038	J	1
Benzene	0.184	0.100	0.021	0.588	0.319	0.067		1
Carbon tetrachloride	0.072	0.020	0.008	0.453	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-24
Client ID: AR14-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:48
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	0.114	0.020	0.007	0.613	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	0.424	0.500	0.042	1.74	2.05	0.172	J	1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	20.4	0.050	0.025	76.9	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.028	0.020	0.008	0.190	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.067	0.020	0.007	0.291	0.087	0.030		1
p/m-Xylene	0.220	0.040	0.009	0.956	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.015	0.020	0.008	0.064	0.085	0.034	J	1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	0.070	0.020	0.008	0.304	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.023	0.020	0.010	0.113	0.098	0.048		1
1,3,5-Trimethybenzene	0.024	0.020	0.005	0.118	0.098	0.025		1
1,2,4-Trimethylbenzene	0.087	0.020	0.007	0.428	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-24
Client ID: AR14-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:48
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.033	0.050	0.012	0.173	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	101		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-25
Client ID: AR15-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/13 00:38
Analyst: RY

Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.433	0.050	0.006	2.14	0.247	0.030		1
Chloromethane	0.696	0.500	0.048	1.44	1.03	0.099		1
Freon-114	0.013	0.050	0.005	0.091	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.115	0.020	0.006	0.254	0.044	0.013		1
Bromomethane	0.008	0.020	0.008	0.031	0.078	0.031	J	1
Chloroethane	0.016	0.020	0.007	0.042	0.053	0.019	J	1
Acetone	130	2.00	0.739	309	4.75	1.76		1
Trichlorofluoromethane	0.243	0.050	0.008	1.37	0.281	0.045		1
Acrylonitrile	0.033	0.500	0.015	0.072	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.805	1.00	0.250	2.80	3.47	0.869	J	1
Freon-113	0.064	0.050	0.006	0.491	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	1.26	0.500	0.025	3.72	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.054	0.020	0.006	0.264	0.098	0.029		1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J	1
1,1,1-Trichloroethane	0.013	0.020	0.007	0.071	0.109	0.038	J	1
Benzene	0.282	0.100	0.021	0.901	0.319	0.067		1
Carbon tetrachloride	0.094	0.020	0.008	0.591	0.126	0.050		1
1,2-Dichloropropane	0.010	0.020	0.006	0.046	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-25
Client ID: AR15-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	0.012	0.020	0.008	0.080	0.134	0.054	J	1
Trichloroethene	0.113	0.020	0.007	0.607	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	1.27	0.500	0.042	5.20	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	127	0.050	0.025	479	0.188	0.094	E	1
Dibromochloromethane	0.011	0.020	0.008	0.094	0.170	0.068	J	1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.039	0.020	0.008	0.264	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.195	0.020	0.007	0.847	0.087	0.030		1
p/m-Xylene	0.652	0.040	0.009	2.83	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.195	0.020	0.008	0.830	0.085	0.034		1
1,1,2,2-Tetrachloroethane	0.018	0.020	0.007	0.124	0.137	0.048	J	1
o-Xylene	0.244	0.020	0.008	1.06	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.131	0.020	0.010	0.644	0.098	0.048		1
1,3,5-Trimethybenzene	0.146	0.020	0.005	0.718	0.098	0.025		1
1,2,4-Trimethylbenzene	0.531	0.020	0.007	2.61	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	0.284	0.500	0.048	1.56	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-25
Client ID: AR15-3-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.070	0.050	0.012	0.367	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-25 D
Client ID: AR15-3-A
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/13 07:03
Analyst: RY

Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Toluene	139	0.250	0.125	524	0.942	0.471		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	104		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-26
Client ID: AR15-3-A-D
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/13 01:10
Analyst: RY

Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.476	0.050	0.006	2.35	0.247	0.030		1
Chloromethane	0.813	0.500	0.048	1.68	1.03	0.099		1
Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J	1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	0.134	0.020	0.006	0.296	0.044	0.013		1
Bromomethane	0.012	0.020	0.008	0.047	0.078	0.031	J	1
Chloroethane	0.018	0.020	0.007	0.048	0.053	0.019	J	1
Acetone	154	2.00	0.739	366	4.75	1.76		1
Trichlorofluoromethane	0.278	0.050	0.008	1.56	0.281	0.045		1
Acrylonitrile	0.039	0.500	0.015	0.085	1.09	0.033	J	1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	0.519	1.00	0.250	1.80	3.47	0.869	J	1
Freon-113	0.073	0.050	0.006	0.560	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	1.50	0.500	0.025	4.42	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	0.115	0.020	0.006	0.562	0.098	0.029		1
1,2-Dichloroethane	0.021	0.020	0.008	0.085	0.081	0.032		1
1,1,1-Trichloroethane	0.013	0.020	0.007	0.071	0.109	0.038	J	1
Benzene	0.278	0.100	0.021	0.888	0.319	0.067		1
Carbon tetrachloride	0.094	0.020	0.008	0.591	0.126	0.050		1
1,2-Dichloropropane	0.009	0.020	0.006	0.042	0.092	0.028	J	1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-26
Client ID: AR15-3-A-D
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	0.013	0.020	0.008	0.087	0.134	0.054	J	1
Trichloroethene	0.113	0.020	0.007	0.607	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	1.18	0.500	0.042	4.84	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	126	0.050	0.025	475	0.188	0.094	E	1
Dibromochloromethane	0.011	0.020	0.008	0.094	0.170	0.068	J	1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	0.040	0.020	0.008	0.271	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	0.194	0.020	0.007	0.843	0.087	0.030		1
p/m-Xylene	0.651	0.040	0.009	2.83	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	0.194	0.020	0.008	0.826	0.085	0.034		1
1,1,2,2-Tetrachloroethane	0.017	0.020	0.007	0.117	0.137	0.048	J	1
o-Xylene	0.241	0.020	0.008	1.05	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	0.130	0.020	0.010	0.639	0.098	0.048		1
1,3,5-Trimethybenzene	0.144	0.020	0.005	0.708	0.098	0.025		1
1,2,4-Trimethylbenzene	0.527	0.020	0.007	2.59	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	0.271	0.500	0.048	1.49	2.74	0.263	J	1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-26
Client ID: AR15-3-A-D
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	0.067	0.050	0.012	0.351	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	105		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-26 D
Client ID: AR15-3-A-D
Sample Location: SCOTIA, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/13 06:31
Analyst: RY

Date Collected: 04/05/13 15:44
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Toluene	137	0.250	0.125	516	0.942	0.471		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	105		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-27 D
Client ID: SV13-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/16/13 00:00
Analyst: MB

Date Collected: 04/05/13 16:10
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.560	0.500	0.060	2.77	2.47	0.297		10
Chloromethane	ND	5.00	0.480	ND	10.3	0.991		10
Freon-114	ND	0.500	0.050	ND	3.49	0.349		10
Vinyl chloride	ND	0.200	0.070	ND	0.511	0.179		10
1,3-Butadiene	ND	0.200	0.060	ND	0.442	0.133		10
Bromomethane	ND	0.200	0.080	ND	0.777	0.311		10
Chloroethane	ND	0.200	0.070	ND	0.528	0.185		10
Acetone	25.4	20.0	7.39	60.3	47.5	17.6		10
Trichlorofluoromethane	0.490	0.500	0.080	2.75	2.81	0.450	J	10
Acrylonitrile	ND	5.00	0.150	ND	10.9	0.326		10
1,1-Dichloroethene	ND	0.200	0.070	ND	0.793	0.278		10
Methylene chloride	3.54	10.0	2.50	12.3	34.7	8.69	J	10
Freon-113	0.210	0.500	0.060	1.61	3.83	0.460	J	10
trans-1,2-Dichloroethene	0.350	0.200	0.060	1.39	0.793	0.238		10
1,1-Dichloroethane	ND	0.200	0.070	ND	0.809	0.283		10
Methyl tert butyl ether	ND	0.200	0.040	ND	0.721	0.144		10
2-Butanone	5.26	5.00	0.247	15.5	14.7	0.728		10
cis-1,2-Dichloroethene	0.240	0.200	0.066	0.952	0.793	0.262		10
Chloroform	9.70	0.200	0.060	47.4	0.977	0.293		10
1,2-Dichloroethane	ND	0.200	0.080	ND	0.809	0.324		10
1,1,1-Trichloroethane	1.68	0.200	0.070	9.17	1.09	0.382		10
Benzene	0.230	1.00	0.210	0.735	3.19	0.671	J	10
Carbon tetrachloride	140	0.200	0.080	881	1.26	0.503		10
1,2-Dichloropropane	ND	0.200	0.060	ND	0.924	0.277		10

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-27 D
Client ID: SV13-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:10
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.200	0.080	ND	1.34	0.536		10
Trichloroethene	245	0.200	0.070	1320	1.07	0.376		10
cis-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363		10
4-Methyl-2-pentanone	1.95	5.00	0.420	7.99	20.5	1.72	J	10
trans-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363		10
1,1,2-Trichloroethane	ND	0.200	0.090	ND	1.09	0.491		10
Toluene	212	0.500	0.250	799	1.88	0.942		10
Dibromochloromethane	ND	0.200	0.080	ND	1.70	0.682		10
1,2-Dibromoethane	ND	0.200	0.080	ND	1.54	0.615		10
Tetrachloroethene	0.270	0.200	0.080	1.83	1.36	0.542		10
1,1,1,2-Tetrachloroethane	ND	0.200	0.040	ND	1.37	0.275		10
Chlorobenzene	ND	0.200	0.080	ND	0.921	0.368		10
Ethylbenzene	0.250	0.200	0.070	1.09	0.869	0.304		10
p/m-Xylene	0.880	0.400	0.090	3.82	1.74	0.391		10
Bromoform	ND	0.200	0.150	ND	2.07	1.55		10
Styrene	0.270	0.200	0.080	1.15	0.852	0.341		10
1,1,2,2-Tetrachloroethane	ND	0.200	0.070	ND	1.37	0.481		10
o-Xylene	0.380	0.200	0.080	1.65	0.869	0.347		10
Isopropylbenzene	ND	5.00	0.460	ND	24.6	2.26		10
4-Ethyltoluene	0.230	0.200	0.098	1.13	0.983	0.484		10
1,3,5-Trimethybenzene	0.240	0.200	0.050	1.18	0.983	0.246		10
1,2,4-Trimethylbenzene	0.720	0.200	0.070	3.54	0.983	0.344		10
1,3-Dichlorobenzene	0.920	0.200	0.070	5.53	1.20	0.421		10
1,4-Dichlorobenzene	ND	0.200	0.080	ND	1.20	0.481		10
sec-Butylbenzene	ND	5.00	0.470	ND	27.4	2.58		10
p-Isopropyltoluene	ND	5.00	0.480	ND	27.4	2.63		10
1,2-Dichlorobenzene	ND	0.200	0.070	ND	1.20	0.421		10
n-Butylbenzene	ND	5.00	0.450	ND	27.4	2.47		10

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-27 D
Client ID: SV13-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:10
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.500	0.100	ND	3.71	0.742		10
Naphthalene	ND	0.500	0.120	ND	2.62	0.629		10
1,2,3-Trichlorobenzene	ND	0.500	0.190	ND	3.71	1.41		10
Hexachlorobutadiene	ND	0.500	0.110	ND	5.33	1.17		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	98		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-28 D
Client ID: SV15-1-A
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/16/13 00:32
Analyst: MB

Date Collected: 04/05/13 16:05
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.063	0.008	2.27	0.309	0.037		1.25
Chloromethane	0.140	0.625	0.060	0.289	1.29	0.124	J	1.25
Freon-114	0.016	0.063	0.006	0.113	0.437	0.044	J	1.25
Vinyl chloride	ND	0.025	0.009	ND	0.064	0.022		1.25
1,3-Butadiene	0.090	0.025	0.008	0.199	0.055	0.017		1.25
Bromomethane	ND	0.025	0.010	ND	0.097	0.039		1.25
Chloroethane	ND	0.025	0.009	ND	0.066	0.023		1.25
Acetone	14.6	2.50	0.924	34.7	5.94	2.19		1.25
Trichlorofluoromethane	0.242	0.063	0.010	1.36	0.351	0.056		1.25
Acrylonitrile	ND	0.625	0.019	ND	1.36	0.041		1.25
1,1-Dichloroethene	ND	0.025	0.009	ND	0.099	0.035		1.25
Methylene chloride	0.479	1.25	0.312	1.66	4.34	1.08	J	1.25
Freon-113	0.079	0.063	0.008	0.604	0.479	0.058		1.25
trans-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.030		1.25
1,1-Dichloroethane	0.061	0.025	0.009	0.248	0.101	0.035		1.25
Methyl tert butyl ether	ND	0.025	0.005	ND	0.090	0.018		1.25
2-Butanone	5.98	0.625	0.031	17.6	1.84	0.091		1.25
cis-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.033		1.25
Chloroform	0.040	0.025	0.008	0.195	0.122	0.037		1.25
1,2-Dichloroethane	0.013	0.025	0.010	0.051	0.101	0.041	J	1.25
1,1,1-Trichloroethane	0.029	0.025	0.009	0.157	0.136	0.048		1.25
Benzene	0.164	0.125	0.026	0.524	0.399	0.084		1.25
Carbon tetrachloride	0.358	0.025	0.010	2.25	0.157	0.063		1.25
1,2-Dichloropropane	ND	0.025	0.008	ND	0.116	0.035		1.25

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-28 D
Client ID: SV15-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:05
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.025	0.010	ND	0.167	0.067		1.25
Trichloroethene	0.064	0.025	0.009	0.343	0.134	0.047		1.25
cis-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045		1.25
4-Methyl-2-pentanone	2.18	0.625	0.053	8.93	2.56	0.215		1.25
trans-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045		1.25
1,1,2-Trichloroethane	ND	0.025	0.011	ND	0.136	0.061		1.25
Toluene	54.4	0.063	0.031	205	0.236	0.118		1.25
Dibromochloromethane	ND	0.025	0.010	ND	0.213	0.085		1.25
1,2-Dibromoethane	ND	0.025	0.010	ND	0.192	0.077		1.25
Tetrachloroethene	0.034	0.025	0.010	0.229	0.170	0.068		1.25
1,1,1,2-Tetrachloroethane	ND	0.025	0.005	ND	0.172	0.034		1.25
Chlorobenzene	ND	0.025	0.010	ND	0.115	0.046		1.25
Ethylbenzene	0.189	0.025	0.009	0.821	0.109	0.038		1.25
p/m-Xylene	0.664	0.050	0.011	2.88	0.217	0.049		1.25
Bromoform	ND	0.025	0.019	ND	0.258	0.194		1.25
Styrene	0.351	0.025	0.010	1.49	0.106	0.043		1.25
1,1,2,2-Tetrachloroethane	ND	0.025	0.009	ND	0.172	0.060		1.25
o-Xylene	0.288	0.025	0.010	1.25	0.109	0.043		1.25
Isopropylbenzene	ND	0.625	0.058	ND	3.07	0.283		1.25
4-Ethyltoluene	0.135	0.025	0.012	0.664	0.123	0.061		1.25
1,3,5-Trimethybenzene	0.154	0.025	0.006	0.757	0.123	0.031		1.25
1,2,4-Trimethylbenzene	0.518	0.025	0.009	2.55	0.123	0.043		1.25
1,3-Dichlorobenzene	1.44	0.025	0.009	8.66	0.150	0.053		1.25
1,4-Dichlorobenzene	0.055	0.025	0.010	0.331	0.150	0.060		1.25
sec-Butylbenzene	ND	0.625	0.059	ND	3.43	0.323		1.25
p-Isopropyltoluene	0.085	0.625	0.060	0.467	3.43	0.329	J	1.25
1,2-Dichlorobenzene	ND	0.025	0.009	ND	0.150	0.053		1.25
n-Butylbenzene	ND	0.625	0.056	ND	3.43	0.308		1.25

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-28 D
Client ID: SV15-1-A
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:05
Date Received: 04/11/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.063	0.013	ND	0.464	0.093		1.25
Naphthalene	0.074	0.063	0.015	0.387	0.328	0.079		1.25
1,2,3-Trichlorobenzene	ND	0.063	0.024	ND	0.464	0.177		1.25
Hexachlorobutadiene	ND	0.063	0.014	ND	0.667	0.147		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	98		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-29 D
Client ID: SV15-1-A-D
Sample Location: SCOTIA, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/16/13 01:04
Analyst: MB

Date Collected: 04/05/13 16:05
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.440	0.063	0.008	2.18	0.309	0.037		1.25
Chloromethane	0.198	0.625	0.060	0.409	1.29	0.124	J	1.25
Freon-114	0.014	0.063	0.006	0.097	0.437	0.044	J	1.25
Vinyl chloride	ND	0.025	0.009	ND	0.064	0.022		1.25
1,3-Butadiene	0.068	0.025	0.008	0.149	0.055	0.017		1.25
Bromomethane	ND	0.025	0.010	ND	0.097	0.039		1.25
Chloroethane	ND	0.025	0.009	ND	0.066	0.023		1.25
Acetone	11.7	2.50	0.924	27.8	5.94	2.19		1.25
Trichlorofluoromethane	0.210	0.063	0.010	1.18	0.351	0.056		1.25
Acrylonitrile	ND	0.625	0.019	ND	1.36	0.041		1.25
1,1-Dichloroethene	ND	0.025	0.009	ND	0.099	0.035		1.25
Methylene chloride	0.781	1.25	0.312	2.71	4.34	1.08	J	1.25
Freon-113	0.068	0.063	0.008	0.517	0.479	0.058		1.25
trans-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.030		1.25
1,1-Dichloroethane	ND	0.025	0.009	ND	0.101	0.035		1.25
Methyl tert butyl ether	ND	0.025	0.005	ND	0.090	0.018		1.25
2-Butanone	4.74	0.625	0.031	14.0	1.84	0.091		1.25
cis-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.033		1.25
Chloroform	0.040	0.025	0.008	0.195	0.122	0.037		1.25
1,2-Dichloroethane	0.014	0.025	0.010	0.056	0.101	0.041	J	1.25
1,1,1-Trichloroethane	0.029	0.025	0.009	0.157	0.136	0.048		1.25
Benzene	0.159	0.125	0.026	0.508	0.399	0.084		1.25
Carbon tetrachloride	0.319	0.025	0.010	2.01	0.157	0.063		1.25
1,2-Dichloropropane	ND	0.025	0.008	ND	0.116	0.035		1.25

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-29 D
Client ID: SV15-1-A-D
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:05
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.025	0.010	ND	0.167	0.067		1.25
Trichloroethene	0.059	0.025	0.009	0.316	0.134	0.047		1.25
cis-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045		1.25
4-Methyl-2-pentanone	1.86	0.625	0.053	7.62	2.56	0.215		1.25
trans-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045		1.25
1,1,2-Trichloroethane	ND	0.025	0.011	ND	0.136	0.061		1.25
Toluene	50.5	0.063	0.031	190	0.236	0.118		1.25
Dibromochloromethane	ND	0.025	0.010	ND	0.213	0.085		1.25
1,2-Dibromoethane	ND	0.025	0.010	ND	0.192	0.077		1.25
Tetrachloroethene	0.033	0.025	0.010	0.220	0.170	0.068		1.25
1,1,1,2-Tetrachloroethane	ND	0.025	0.005	ND	0.172	0.034		1.25
Chlorobenzene	ND	0.025	0.010	ND	0.115	0.046		1.25
Ethylbenzene	0.170	0.025	0.009	0.738	0.109	0.038		1.25
p/m-Xylene	0.591	0.050	0.011	2.57	0.217	0.049		1.25
Bromoform	ND	0.025	0.019	ND	0.258	0.194		1.25
Styrene	0.322	0.025	0.010	1.37	0.106	0.043		1.25
1,1,2,2-Tetrachloroethane	ND	0.025	0.009	ND	0.172	0.060		1.25
o-Xylene	0.260	0.025	0.010	1.13	0.109	0.043		1.25
Isopropylbenzene	ND	0.625	0.058	ND	3.07	0.283		1.25
4-Ethyltoluene	0.116	0.025	0.012	0.570	0.123	0.061		1.25
1,3,5-Trimethybenzene	0.134	0.025	0.006	0.659	0.123	0.031		1.25
1,2,4-Trimethylbenzene	0.440	0.025	0.009	2.16	0.123	0.043		1.25
1,3-Dichlorobenzene	0.830	0.025	0.009	4.99	0.150	0.053		1.25
1,4-Dichlorobenzene	0.040	0.025	0.010	0.240	0.150	0.060		1.25
sec-Butylbenzene	ND	0.625	0.059	ND	3.43	0.323		1.25
p-Isopropyltoluene	0.076	0.625	0.060	0.418	3.43	0.329	J	1.25
1,2-Dichlorobenzene	ND	0.025	0.009	ND	0.150	0.053		1.25
n-Butylbenzene	ND	0.625	0.056	ND	3.43	0.308		1.25

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

SAMPLE RESULTS

Lab ID: L1306330-29 D
Client ID: SV15-1-A-D
Sample Location: SCOTIA, NY
Date Collected: 04/05/13 16:05
Date Received: 04/11/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.063	0.013	ND	0.464	0.093		1.25
Naphthalene	0.069	0.063	0.015	0.361	0.328	0.079		1.25
1,2,3-Trichlorobenzene	ND	0.063	0.024	ND	0.464	0.177		1.25
Hexachlorobutadiene	ND	0.063	0.014	ND	0.667	0.147		1.25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 15:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 05-07,11-15,19-20,24-26 Batch: WG601403-4								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 15:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 05-07,11-15,19-20,24-26 Batch: WG601403-4								
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/12/13 15:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 05-07,11-15,19-20,24-26 Batch: WG601403-4								
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 13:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04,08-10,16-18,21-23,27-29 Batch: WG60175								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 13:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04,08-10,16-18,21-23,27-29 Batch: WG60175								
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07
Lab Number: L1306330
Report Date: 04/18/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/15/13 13:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04,08-10,16-18,21-23,27-29 Batch: WG60175								
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1
1,2,4-Trichlorobenzene	0.011	0.050	0.010	0.082	0.371	0.074	J	1
Naphthalene	0.012	0.050	0.012	0.063	0.262	0.063	J	1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

Lab Number: L1306330

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07,11-15,19-20,24-26 Batch: WG601403-3								
Dichlorodifluoromethane	95		-		70-130	-		25
Chloromethane	95		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		25
Vinyl chloride	95		-		70-130	-		25
1,3-Butadiene	100		-		70-130	-		25
Bromomethane	94		-		70-130	-		25
Chloroethane	91		-		70-130	-		25
Acetone	103		-		70-130	-		25
Trichlorofluoromethane	96		-		70-130	-		25
Acrylonitrile	93		-		70-130	-		25
1,1-Dichloroethene	96		-		70-130	-		25
Methylene chloride	100		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		-		70-130	-		25
trans-1,2-Dichloroethene	85		-		70-130	-		25
1,1-Dichloroethane	92		-		70-130	-		25
Methyl tert butyl ether	87		-		70-130	-		25
2-Butanone	84		-		70-130	-		25
cis-1,2-Dichloroethene	102		-		70-130	-		25
Chloroform	97		-		70-130	-		25
1,2-Dichloroethane	94		-		70-130	-		25
1,1,1-Trichloroethane	99		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

Lab Number: L1306330

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07,11-15,19-20,24-26 Batch: WG601403-3								
Benzene	97		-		70-130	-		25
Carbon tetrachloride	90		-		70-130	-		25
1,2-Dichloropropane	100		-		70-130	-		25
Bromodichloromethane	92		-		70-130	-		25
Trichloroethene	99		-		70-130	-		25
cis-1,3-Dichloropropene	99		-		70-130	-		25
4-Methyl-2-pentanone	103		-		70-130	-		25
trans-1,3-Dichloropropene	84		-		70-130	-		25
1,1,2-Trichloroethane	105		-		70-130	-		25
Toluene	96		-		70-130	-		25
Dibromochloromethane	79		-		70-130	-		25
1,2-Dibromoethane	100		-		70-130	-		25
Tetrachloroethene	95		-		70-130	-		25
1,1,1,2-Tetrachloroethane	85		-		70-130	-		25
Chlorobenzene	98		-		70-130	-		25
Ethylbenzene	99		-		70-130	-		25
p/m-Xylene	99		-		70-130	-		25
Bromoform	70		-		70-130	-		25
Styrene	99		-		70-130	-		25
1,1,2,2-Tetrachloroethane	104		-		70-130	-		25
o-Xylene	100		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

Lab Number: L1306330

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07,11-15,19-20,24-26 Batch: WG601403-3								
Isopropylbenzene	97		-		70-130	-		25
4-Ethyltoluene	91		-		70-130	-		25
1,3,5-Trimethylbenzene	99		-		70-130	-		25
1,2,4-Trimethylbenzene	102		-		70-130	-		25
1,3-Dichlorobenzene	101		-		70-130	-		25
1,4-Dichlorobenzene	101		-		70-130	-		25
sec-Butylbenzene	95		-		70-130	-		25
p-Isopropyltoluene	90		-		70-130	-		25
1,2-Dichlorobenzene	101		-		70-130	-		25
n-Butylbenzene	102		-		70-130	-		25
1,2,4-Trichlorobenzene	110		-		70-130	-		25
Naphthalene	100		-		70-130	-		25
1,2,3-Trichlorobenzene	105		-		70-130	-		25
Hexachlorobutadiene	101		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

Lab Number: L1306330

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04,08-10,16-18,21-23,27-29 Batch: WG601750-3								
Dichlorodifluoromethane	103		-		70-130	-		25
Chloromethane	102		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	103		-		70-130	-		25
Vinyl chloride	102		-		70-130	-		25
1,3-Butadiene	106		-		70-130	-		25
Bromomethane	101		-		70-130	-		25
Chloroethane	99		-		70-130	-		25
Acetone	106		-		70-130	-		25
Trichlorofluoromethane	103		-		70-130	-		25
Acrylonitrile	100		-		70-130	-		25
1,1-Dichloroethene	102		-		70-130	-		25
Methylene chloride	105		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		-		70-130	-		25
trans-1,2-Dichloroethene	90		-		70-130	-		25
1,1-Dichloroethane	99		-		70-130	-		25
Methyl tert butyl ether	92		-		70-130	-		25
2-Butanone	88		-		70-130	-		25
cis-1,2-Dichloroethene	98		-		70-130	-		25
Chloroform	104		-		70-130	-		25
1,2-Dichloroethane	101		-		70-130	-		25
1,1,1-Trichloroethane	108		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

Lab Number: L1306330

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04,08-10,16-18,21-23,27-29 Batch: WG601750-3								
Benzene	103		-		70-130	-		25
Carbon tetrachloride	100		-		70-130	-		25
1,2-Dichloropropane	107		-		70-130	-		25
Bromodichloromethane	98		-		70-130	-		25
Trichloroethene	106		-		70-130	-		25
cis-1,3-Dichloropropene	109		-		70-130	-		25
4-Methyl-2-pentanone	109		-		70-130	-		25
trans-1,3-Dichloropropene	93		-		70-130	-		25
1,1,2-Trichloroethane	113		-		70-130	-		25
Toluene	102		-		70-130	-		25
Dibromochloromethane	87		-		70-130	-		25
1,2-Dibromoethane	107		-		70-130	-		25
Tetrachloroethene	103		-		70-130	-		25
1,1,1,2-Tetrachloroethane	93		-		70-130	-		25
Chlorobenzene	105		-		70-130	-		25
Ethylbenzene	105		-		70-130	-		25
p/m-Xylene	106		-		70-130	-		25
Bromoform	79		-		70-130	-		25
Styrene	106		-		70-130	-		25
1,1,2,2-Tetrachloroethane	110		-		70-130	-		25
o-Xylene	106		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT

Project Number: 102305-R-07

Lab Number: L1306330

Report Date: 04/18/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04,08-10,16-18,21-23,27-29 Batch: WG601750-3								
Isopropylbenzene	102		-		70-130	-		25
4-Ethyltoluene	92		-		70-130	-		25
1,3,5-Trimethylbenzene	105		-		70-130	-		25
1,2,4-Trimethylbenzene	108		-		70-130	-		25
1,3-Dichlorobenzene	107		-		70-130	-		25
1,4-Dichlorobenzene	106		-		70-130	-		25
sec-Butylbenzene	99		-		70-130	-		25
p-Isopropyltoluene	94		-		70-130	-		25
1,2-Dichlorobenzene	106		-		70-130	-		25
n-Butylbenzene	106		-		70-130	-		25
1,2,4-Trichlorobenzene	115		-		70-130	-		25
Naphthalene	105		-		70-130	-		25
1,2,3-Trichlorobenzene	114		-		70-130	-		25
Hexachlorobutadiene	106		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07,11-15,19-20,24-26 QC Batch ID: WG601403-5 QC Sample: L1306330-19 Client ID: AR17-3-A						
Dichlorodifluoromethane	0.455	0.418	ppbV	8		25
Chloromethane	0.581	0.508	ppbV	13		25
Freon-114	0.015J	0.013J	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.013J	0.011J	ppbV	NC		25
Bromomethane	0.009J	0.008J	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	4.63	4.07	ppbV	13		25
Trichlorofluoromethane	0.230	0.200	ppbV	14		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	0.256J	ND	ppbV	NC		25
Freon-113	0.073	0.064	ppbV	13		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.508	0.447J	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.013J	0.013J	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07,11-15,19-20,24-26 QC Batch ID: WG601403-5 QC Sample: L1306330-19 Client ID: AR17-3-A					
1,2-Dichloroethane	0.019J	0.016J	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.139	0.138	ppbV	1	25
Carbon tetrachloride	0.057	0.059	ppbV	3	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.157	0.156	ppbV	1	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.034	0.034	ppbV	0	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.022	0.022	ppbV	0	25
p/m-Xylene	0.060	0.059	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-07,11-15,19-20,24-26 QC Batch ID: WG601403-5 QC Sample: L1306330-19 Client ID: AR17-3-A					
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.023	0.022	ppbV	4	25
Isopropylbenzene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.006J	0.006J	ppbV	NC	25
1,2,4-Trimethylbenzene	0.016J	0.016J	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Naphthalene	ND	ND	ppbV	NC	25
1,2,3-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04,08-10,16-18,21-23,27-29 QC Batch ID: WG601750-5 QC Sample: L1306330-01 Client ID: SV3-1-A					
Dichlorodifluoromethane	0.382	0.441	ppbV	14	25
Chloromethane	0.268J	0.318J	ppbV	NC	25
Freon-114	0.013J	0.014J	ppbV	NC	25
Vinyl chloride	0.007J	0.007J	ppbV	NC	25
1,3-Butadiene	0.289	0.340	ppbV	16	25
Bromomethane	0.057	0.068	ppbV	18	25
Chloroethane	0.026	0.030	ppbV	14	25
Acetone	28.6	33.7	ppbV	16	25
Trichlorofluoromethane	0.150	0.177	ppbV	17	25
Acrylonitrile	0.198J	0.234J	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
Methylene chloride	0.667J	0.745J	ppbV	NC	25
Freon-113	0.056	0.067	ppbV	18	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	0.017J	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	3.91	4.61	ppbV	16	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Chloroform	0.074	0.088	ppbV	17	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04,08-10,16-18,21-23,27-29 QC Batch ID: WG601750-5 QC Sample: L1306330-01 Client ID: SV3-1-A						
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.183	0.186	ppbV	2		25
Benzene	0.871	0.898	ppbV	3		25
Carbon tetrachloride	0.038	0.029	ppbV	**27**	Q	25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
Trichloroethene	0.048	0.050	ppbV	4		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	0.446J	0.458J	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.22	1.24	ppbV	2		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.153	0.160	ppbV	4		25
p/m-Xylene	0.423	0.437	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04,08-10,16-18,21-23,27-29 QC Batch ID: WG601750-5 QC Sample: L1306330-01 Client ID: SV3-1-A					
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.027	0.028	ppbV	4	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.186	0.191	ppbV	3	25
Isopropylbenzene	ND	ND	ppbV	NC	25
4-Ethyltoluene	0.055	0.058	ppbV	5	25
1,3,5-Trimethybenzene	0.067	0.069	ppbV	3	25
1,2,4-Trimethylbenzene	0.203	0.212	ppbV	4	25
1,3-Dichlorobenzene	1.15	1.18	ppbV	3	25
1,4-Dichlorobenzene	0.035	0.040	ppbV	13	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Naphthalene	0.041J	0.041J	ppbV	NC	25
1,2,3-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: SCOTIA NAVAL DEPOT

Lab Number: L1306330

Project Number: 102305-R-07

Report Date: 04/18/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1306330-01	SV3-1-A	0250	#90 SV	04/02/13	86837		-	-	-	Pass	155	156	1
L1306330-01	SV3-1-A	1546	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.2	-5.5	-	-	-	-
L1306330-02	SV4-1-A	0049	#90 SV	04/02/13	86837		-	-	-	Pass	160	165	3
L1306330-02	SV4-1-A	1789	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.4	-7.8	-	-	-	-
L1306330-03	SV2-1-A	0214	#90 SV	04/02/13	86837		-	-	-	Pass	160	163	2
L1306330-03	SV2-1-A	993	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.2	-5.6	-	-	-	-
L1306330-04	SV1-1-A	0078	#90 SV	04/02/13	86837		-	-	-	Pass	156	163	4
L1306330-04	SV1-1-A	946	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.2	-4.0	-	-	-	-
L1306330-05	AR5-3-A	0029	#20 SV	04/02/13	86837		-	-	-	Pass	10.0	11.1	10
L1306330-05	AR5-3-A	1528	6.0L Can	04/02/13	86837	L1305178-03	Pass	-29.1	-4.7	-	-	-	-
L1306330-06	AR6-3-A	0577	#30 SV	04/02/13	86837		-	-	-	Pass	9.5	9.3	2
L1306330-06	AR6-3-A	588	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.2	-4.3	-	-	-	-
L1306330-07	AR7-3-A	0204	#30 SV	04/02/13	86837		-	-	-	Pass	10.0	11.6	15
L1306330-07	AR7-3-A	918	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.3	-4.0	-	-	-	-
L1306330-08	SV5-1-A	0227	#20 SV	04/02/13	86837		-	-	-	Pass	10.0	10.4	4

Project Name: SCOTIA NAVAL DEPOT

Lab Number: L1306330

Project Number: 102305-R-07

Report Date: 04/18/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1306330-08	SV5-1-A	1544	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.2	-7.9	-	-	-	-
L1306330-09	SV6-1-A	0124	#20 SV	04/02/13	86837		-	-	-	Pass	10.0	10.7	7
L1306330-09	SV6-1-A	319	6.0L Can	04/02/13	86837	L1305283-02	Pass	-28.7	-5.3	-	-	-	-
L1306330-10	SV7-1-A	0141	#20 SV	04/02/13	86837		-	-	-	Pass	10.0	10.7	7
L1306330-10	SV7-1-A	1712	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.2	-6.2	-	-	-	-
L1306330-11	TRIP BLANK	687	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.2	-29.6	-	-	-	-
L1306330-12	AR8-3-A	0357	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	10.8	8
L1306330-12	AR8-3-A	933	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.2	-4.7	-	-	-	-
L1306330-13	AR9-3-A	0559	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	9.1	9
L1306330-13	AR9-3-A	1552	6.0L Can	04/02/13	86837	L1305134-01	Pass	-29.1	-7.0	-	-	-	-
L1306330-14	AR10-3-A	0384	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	11.1	10
L1306330-14	AR10-3-A	708	6.0L Can	04/02/13	86837	L1305134-01	Pass	-29.1	-3.6	-	-	-	-
L1306330-15	AR16-3-A	0558	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	9.8	2
L1306330-15	AR16-3-A	939	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.4	-5.4	-	-	-	-
L1306330-16	SV9-1-A	0212	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	10.9	9

Project Name: SCOTIA NAVAL DEPOT

Lab Number: L1306330

Project Number: 102305-R-07

Report Date: 04/18/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1306330-16	SV9-1-A	943	6.0L Can	04/02/13	86837	L1305134-01	Pass	-29.1	-4.0	-	-	-	-
L1306330-17	SV8-1-A	0315	#20 SV	04/02/13	86837		-	-	-	Pass	10.0	11.0	10
L1306330-17	SV8-1-A	999	6.0L Can	04/02/13	86837	L1305178-03	Pass	-29.1	-6.2	-	-	-	-
L1306330-18	SV10-1-A	0183	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	10.7	7
L1306330-18	SV10-1-A	1783	6.0L Can	04/02/13	86837	L1305178-03	Pass	-29.1	-5.8	-	-	-	-
L1306330-19	AR17-3-A	0552	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	9.9	1
L1306330-19	AR17-3-A	760	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.3	-6.0	-	-	-	-
L1306330-20	AR11-3-A	0557	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	9.7	3
L1306330-20	AR11-3-A	1867	6.0L Can	04/02/13	86837	L1305178-03	Pass	-29.3	-4.5	-	-	-	-
L1306330-21	SV11-1-A	0256	#16 SV	04/02/13	86837		-	-	-	Pass	10.0	9.9	1
L1306330-21	SV11-1-A	1516	6.0L Can	04/02/13	86837	L1305283-02	Pass	-29.2	-4.0	-	-	-	-
L1306330-22	SV12-1-A	0242	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	10.1	1
L1306330-22	SV12-1-A	632	6.0L Can	04/02/13	86837	L1305283-02	Pass	-29.1	-6.5	-	-	-	-
L1306330-23	SV14-1-A	0581	#30 SV	04/02/13	86837		-	-	-	Pass	10.0	10.2	2
L1306330-23	SV14-1-A	805	6.0L Can	04/02/13	86837	L1305178-02	Pass	-28.2	-4.4	-	-	-	-

Project Name: SCOTIA NAVAL DEPOT

Lab Number: L1306330

Project Number: 102305-R-07

Report Date: 04/18/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1306330-24	AR14-3-A	0126	#20 AMB	04/02/13	86837		-	-	-	Pass	9.8	10.3	5
L1306330-24	AR14-3-A	1637	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.2	-5.3	-	-	-	-
L1306330-25	AR15-3-A	0207	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	8.5	16
L1306330-25	AR15-3-A	1586	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.2	-6.2	-	-	-	-
L1306330-26	AR15-3-A-D	0562	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	10.0	0
L1306330-26	AR15-3-A-D	811	6.0L Can	04/02/13	86837	L1305178-03	Pass	-29.2	-6.6	-	-	-	-
L1306330-27	SV13-1-A	0019	#20 SV	04/02/13	86837		-	-	-	Pass	10.0	10.2	2
L1306330-27	SV13-1-A	1673	6.0L Can	04/02/13	86837	L1305134-02	Pass	-29.1	-7.5	-	-	-	-
L1306330-28	SV15-1-A	0580	#30 SV	04/02/13	86837		-	-	-	Pass	10.0	7.1	34
L1306330-28	SV15-1-A	739	6.0L Can	04/02/13	86837	L1305178-02	Pass	-29.2	-5.4	-	-	-	-
L1306330-29	SV15-1-A-D	0040	#16 SV	04/02/13	86837		-	-	-	Pass	10.0	10.0	0
L1306330-29	SV15-1-A-D	785	6.0L Can	04/02/13	86837	L1305178-03	Pass	-29.2	-6.6	-	-	-	-
L1306330-30	CAN 1564	0093	#20 AMB	04/02/13	86837		-	-	-	Pass	10.0	10.4	4
L1306330-30	CAN 1564	1564	6.0L Can	04/02/13	86837	L1305134-01	Pass	-29.1	0.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/27/13 17:42
Analyst: MB

Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.221		1
Propylene	ND	0.500	0.093	ND	0.861	0.160		1
Propane	ND	0.200	0.114	ND	0.361	0.206		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.230		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.042	ND	1.40	0.293		1
Methanol	ND	5.00	0.736	ND	6.55	0.964		1
Vinyl chloride	ND	0.200	0.038	ND	0.511	0.097		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.044	ND	0.475	0.105		1
Bromomethane	ND	0.200	0.070	ND	0.777	0.270		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.202		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.241		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.165	ND	2.38	0.392		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.042	ND	1.12	0.234		1
Isopropanol	ND	0.500	0.053	ND	1.23	0.129		1
Acrylonitrile	ND	0.200	0.079	ND	0.434	0.171		1
Pentane	ND	0.200	0.048	ND	0.590	0.140		1
Ethyl ether	ND	0.200	0.059	ND	0.606	0.179		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.224		1
Tertiary butyl Alcohol	ND	0.500	0.060	ND	1.52	0.182		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:

Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	0.299	ND	3.47	1.04		1
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.035	ND	0.623	0.107		1
Freon-113	ND	0.200	0.051	ND	1.53	0.392		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.190		1
Vinyl acetate	ND	0.200	0.057	ND	0.704	0.200		1
2-Butanone	ND	0.200	0.047	ND	0.590	0.139		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.233		1
Ethyl Acetate	ND	0.500	0.131	ND	1.80	0.472		1
Chloroform	ND	0.200	0.053	ND	0.977	0.259		1
Tetrahydrofuran	ND	0.200	0.061	ND	0.590	0.179		1
Xylenes, total	ND	0.600	0.202	ND	2.61	0.877		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.269		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.052	ND	0.705	0.183		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.274		1
tert-Butyl Ethyl Ether	ND	0.200	0.052	ND	0.836	0.215		1
1,1,1-Trichloroethane	ND	0.200	0.057	ND	1.09	0.311		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.325		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.047	ND	1.26	0.296		1
Cyclohexane	ND	0.200	0.066	ND	0.688	0.226		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.332		1
Dibromomethane	ND	0.200	0.048	ND	1.42	0.338		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.322		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.439		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:
Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Methyl Methacrylate	ND	0.500	0.022	ND	2.05	0.091		1
Heptane	ND	0.200	0.055	ND	0.820	0.227		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.338		1
4-Methyl-2-pentanone	ND	0.200	0.061	ND	0.820	0.249		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.315		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.364		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.359		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.248		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.636		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.114	ND	2.38	0.542		1
Octane	ND	0.200	0.042	ND	0.934	0.197		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.514		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.363		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.241		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.541		1
Styrene	ND	0.200	0.080	ND	0.852	0.340		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.21	0.462		1
Nonane	ND	0.200	0.063	ND	1.05	0.328		1
Isopropylbenzene	ND	0.200	0.041	ND	0.983	0.202		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:
Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.381		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.287		1
tert-Butylbenzene	ND	0.200	0.031	ND	1.10	0.169		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.341		1
Decane	ND	0.200	0.048	ND	1.16	0.282		1
Benzyl chloride	ND	0.200	0.065	ND	1.04	0.334		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.383		1
1,4-Dichlorobenzene	ND	0.200	0.036	ND	1.20	0.217		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.061	ND	1.10	0.334		1
1,2-Dichlorobenzene	ND	0.200	0.061	ND	1.20	0.369		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.719		1
Undecane	ND	0.200	0.053	ND	1.28	0.338		1
Dodecane	ND	0.200	0.048	ND	1.39	0.333		1
1,2,4-Trichlorobenzene	ND	0.200	0.061	ND	1.48	0.454		1
Naphthalene	ND	0.200	0.043	ND	1.05	0.223		1
1,2,3-Trichlorobenzene	ND	0.200	0.044	ND	1.48	0.324		1
Hexachlorobutadiene	ND	0.200	0.073	ND	2.13	0.781		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:
Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1305134

Project Number: CANISTER QC BAT **Report Date:** 04/18/13

Air Canister Certification Results

Lab ID:	L1305134-01	Date Collected:	03/27/13 10:35
Client ID:	CAN 583 SHELF #47	Date Received:	03/27/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	03/27/13 17:42		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:
Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-01
Client ID: CAN 583 SHELF #47
Sample Location:
Date Collected: 03/27/13 10:35
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	111		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	101		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/27/13 18:13
Analyst: MB

Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.221		1
Propylene	ND	0.500	0.093	ND	0.861	0.160		1
Propane	ND	0.200	0.114	ND	0.361	0.206		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.230		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.042	ND	1.40	0.293		1
Methanol	ND	5.00	0.736	ND	6.55	0.964		1
Vinyl chloride	ND	0.200	0.038	ND	0.511	0.097		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.044	ND	0.475	0.105		1
Bromomethane	ND	0.200	0.070	ND	0.777	0.270		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.202		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.241		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.165	ND	2.38	0.392		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.042	ND	1.12	0.234		1
Isopropanol	ND	0.500	0.053	ND	1.23	0.129		1
Acrylonitrile	ND	0.200	0.079	ND	0.434	0.171		1
Pentane	ND	0.200	0.048	ND	0.590	0.140		1
Ethyl ether	ND	0.200	0.059	ND	0.606	0.179		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.224		1
Tertiary butyl Alcohol	ND	0.500	0.060	ND	1.52	0.182		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:

Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	0.299	ND	3.47	1.04		1
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.035	ND	0.623	0.107		1
Freon-113	ND	0.200	0.051	ND	1.53	0.392		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.190		1
Vinyl acetate	ND	0.200	0.057	ND	0.704	0.200		1
2-Butanone	ND	0.200	0.047	ND	0.590	0.139		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.233		1
Ethyl Acetate	ND	0.500	0.131	ND	1.80	0.472		1
Chloroform	ND	0.200	0.053	ND	0.977	0.259		1
Tetrahydrofuran	ND	0.200	0.061	ND	0.590	0.179		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.269		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.052	ND	0.705	0.183		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.274		1
tert-Butyl Ethyl Ether	ND	0.200	0.052	ND	0.836	0.215		1
1,1,1-Trichloroethane	ND	0.200	0.057	ND	1.09	0.311		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.325		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.047	ND	1.26	0.296		1
Cyclohexane	ND	0.200	0.066	ND	0.688	0.226		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.332		1
Dibromomethane	ND	0.200	0.048	ND	1.42	0.338		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.322		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.439		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1305134

Project Number: CANISTER QC BAT **Report Date:** 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02 Date Collected: 03/27/13 10:59

Client ID: CAN 1673 SHELF #52 Date Received: 03/27/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Methyl Methacrylate	ND	0.500	0.022	ND	2.05	0.091		1
Heptane	ND	0.200	0.055	ND	0.820	0.227		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.338		1
4-Methyl-2-pentanone	ND	0.200	0.061	ND	0.820	0.249		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.315		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.364		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.359		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.248		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.636		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.114	ND	2.38	0.542		1
Octane	ND	0.200	0.042	ND	0.934	0.197		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.514		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.363		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.241		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.541		1
Styrene	ND	0.200	0.080	ND	0.852	0.340		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.21	0.462		1
Nonane	ND	0.200	0.063	ND	1.05	0.328		1
Isopropylbenzene	ND	0.200	0.041	ND	0.983	0.202		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:
Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.381		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.287		1
tert-Butylbenzene	ND	0.200	0.031	ND	1.10	0.169		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.341		1
Decane	ND	0.200	0.048	ND	1.16	0.282		1
Benzyl chloride	ND	0.200	0.065	ND	1.04	0.334		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.383		1
1,4-Dichlorobenzene	ND	0.200	0.036	ND	1.20	0.217		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.061	ND	1.10	0.334		1
1,2-Dichlorobenzene	ND	0.200	0.061	ND	1.20	0.369		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.719		1
Undecane	ND	0.200	0.053	ND	1.28	0.338		1
Dodecane	ND	0.200	0.048	ND	1.39	0.333		1
1,2,4-Trichlorobenzene	ND	0.200	0.061	ND	1.48	0.454		1
Naphthalene	ND	0.200	0.043	ND	1.05	0.223		1
1,2,3-Trichlorobenzene	ND	0.200	0.044	ND	1.48	0.324		1
Hexachlorobutadiene	ND	0.200	0.073	ND	2.13	0.781		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:
Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/27/13 18:13
Analyst: RY

Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:
Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305134
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305134-02
Client ID: CAN 1673 SHELF #52
Sample Location:
Date Collected: 03/27/13 10:59
Date Received: 03/27/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	107		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/28/13 17:48
Analyst: MB

Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.221		1
Propylene	ND	0.500	0.093	ND	0.861	0.160		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.230		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.042	ND	1.40	0.293		1
Methanol	ND	5.00	0.736	ND	6.55	0.964		1
Vinyl chloride	ND	0.200	0.038	ND	0.511	0.097		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.044	ND	0.475	0.105		1
Bromomethane	ND	0.200	0.070	ND	0.777	0.270		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.202		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.241		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.165	ND	2.38	0.392		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.042	ND	1.12	0.234		1
Isopropanol	ND	0.500	0.053	ND	1.23	0.129		1
Acrylonitrile	ND	0.200	0.079	ND	0.434	0.171		1
Pentane	ND	0.200	0.048	ND	0.590	0.140		1
Ethyl ether	ND	0.200	0.059	ND	0.606	0.179		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.224		1
Tertiary butyl Alcohol	ND	0.500	0.060	ND	1.52	0.182		1
Methylene chloride	ND	1.00	0.299	ND	3.47	1.04		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.035	ND	0.623	0.107		1
Freon-113	ND	0.200	0.051	ND	1.53	0.392		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.190		1
Vinyl acetate	ND	0.200	0.057	ND	0.704	0.200		1
2-Butanone	ND	0.200	0.047	ND	0.590	0.139		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.233		1
Ethyl Acetate	ND	0.500	0.131	ND	1.80	0.472		1
Chloroform	ND	0.200	0.053	ND	0.977	0.259		1
Tetrahydrofuran	ND	0.200	0.061	ND	0.590	0.179		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.269		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.052	ND	0.705	0.183		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.274		1
tert-Butyl Ethyl Ether	ND	0.200	0.052	ND	0.836	0.215		1
1,1,1-Trichloroethane	ND	0.200	0.057	ND	1.09	0.311		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.325		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.047	ND	1.26	0.296		1
Cyclohexane	ND	0.200	0.066	ND	0.688	0.226		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.332		1
Dibromomethane	ND	0.200	0.048	ND	1.42	0.338		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.322		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.439		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Methyl Methacrylate	ND	0.500	0.022	ND	2.05	0.091		1
Heptane	ND	0.200	0.055	ND	0.820	0.227		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.338		1
4-Methyl-2-pentanone	ND	0.200	0.061	ND	0.820	0.249		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.315		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.364		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.359		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.248		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.636		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.114	ND	2.38	0.542		1
Octane	ND	0.200	0.042	ND	0.934	0.197		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.514		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.363		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.241		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.541		1
Styrene	ND	0.200	0.080	ND	0.852	0.340		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.21	0.462		1
Nonane	ND	0.200	0.063	ND	1.05	0.328		1
Isopropylbenzene	ND	0.200	0.041	ND	0.983	0.202		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.381		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.287		1
tert-Butylbenzene	ND	0.200	0.031	ND	1.10	0.169		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.341		1
Decane	ND	0.200	0.048	ND	1.16	0.282		1
Benzyl chloride	ND	0.200	0.065	ND	1.04	0.334		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.383		1
1,4-Dichlorobenzene	ND	0.200	0.036	ND	1.20	0.217		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.061	ND	1.10	0.334		1
1,2-Dichlorobenzene	ND	0.200	0.061	ND	1.20	0.369		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.719		1
Undecane	ND	0.200	0.053	ND	1.28	0.338		1
Dodecane	ND	0.200	0.048	ND	1.39	0.333		1
1,2,4-Trichlorobenzene	ND	0.200	0.061	ND	1.48	0.454		1
Naphthalene	ND	0.200	0.043	ND	1.05	0.223		1
1,2,3-Trichlorobenzene	ND	0.200	0.044	ND	1.48	0.324		1
Hexachlorobutadiene	ND	0.200	0.073	ND	2.13	0.781		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	82		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1305178

Project Number: CANISTER QC BAT **Report Date:** 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/28/13 17:48
Analyst: RY

Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-02
Client ID: CAN 946 SHELF #56
Sample Location:
Date Collected: 03/27/13 16:58
Date Received: 03/28/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	81		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/28/13 18:20
Analyst: MB

Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.221		1
Propylene	ND	0.500	0.093	ND	0.861	0.160		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.230		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.042	ND	1.40	0.293		1
Methanol	ND	5.00	0.736	ND	6.55	0.964		1
Vinyl chloride	ND	0.200	0.038	ND	0.511	0.097		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.044	ND	0.475	0.105		1
Bromomethane	ND	0.200	0.070	ND	0.777	0.270		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.202		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.241		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.165	ND	2.38	0.392		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.042	ND	1.12	0.234		1
Isopropanol	ND	0.500	0.053	ND	1.23	0.129		1
Acrylonitrile	ND	0.200	0.079	ND	0.434	0.171		1
Pentane	ND	0.200	0.048	ND	0.590	0.140		1
Ethyl ether	ND	0.200	0.059	ND	0.606	0.179		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.224		1
Tertiary butyl Alcohol	ND	0.500	0.060	ND	1.52	0.182		1
Methylene chloride	ND	1.00	0.299	ND	3.47	1.04		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.035	ND	0.623	0.107		1
Freon-113	ND	0.200	0.051	ND	1.53	0.392		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.190		1
Vinyl acetate	ND	0.200	0.057	ND	0.704	0.200		1
2-Butanone	ND	0.200	0.047	ND	0.590	0.139		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.233		1
Ethyl Acetate	ND	0.500	0.131	ND	1.80	0.472		1
Chloroform	ND	0.200	0.053	ND	0.977	0.259		1
Tetrahydrofuran	ND	0.200	0.061	ND	0.590	0.179		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.269		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.052	ND	0.705	0.183		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.274		1
tert-Butyl Ethyl Ether	ND	0.200	0.052	ND	0.836	0.215		1
1,1,1-Trichloroethane	ND	0.200	0.057	ND	1.09	0.311		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.325		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.047	ND	1.26	0.296		1
Cyclohexane	ND	0.200	0.066	ND	0.688	0.226		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.332		1
Dibromomethane	ND	0.200	0.048	ND	1.42	0.338		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.322		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.439		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1305178

Project Number: CANISTER QC BAT **Report Date:** 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03 Date Collected: 03/27/13 17:20

Client ID: CAN 1783 SHELF #57 Date Received: 03/28/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Methyl Methacrylate	ND	0.500	0.022	ND	2.05	0.091		1
Heptane	ND	0.200	0.055	ND	0.820	0.227		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.338		1
4-Methyl-2-pentanone	ND	0.200	0.061	ND	0.820	0.249		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.315		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.364		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.359		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.248		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.636		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.114	ND	2.38	0.542		1
Octane	ND	0.200	0.042	ND	0.934	0.197		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.514		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.363		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.241		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.541		1
Styrene	ND	0.200	0.080	ND	0.852	0.340		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.21	0.462		1
Nonane	ND	0.200	0.063	ND	1.05	0.328		1
Isopropylbenzene	ND	0.200	0.041	ND	0.983	0.202		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.381		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.287		1
tert-Butylbenzene	ND	0.200	0.031	ND	1.10	0.169		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.341		1
Decane	ND	0.200	0.048	ND	1.16	0.282		1
Benzyl chloride	ND	0.200	0.065	ND	1.04	0.334		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.383		1
1,4-Dichlorobenzene	ND	0.200	0.036	ND	1.20	0.217		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.061	ND	1.10	0.334		1
1,2-Dichlorobenzene	ND	0.200	0.061	ND	1.20	0.369		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.719		1
Undecane	ND	0.200	0.053	ND	1.28	0.338		1
Dodecane	ND	0.200	0.048	ND	1.39	0.333		1
1,2,4-Trichlorobenzene	ND	0.200	0.061	ND	1.48	0.454		1
Naphthalene	ND	0.200	0.043	ND	1.05	0.223		1
1,2,3-Trichlorobenzene	ND	0.200	0.044	ND	1.48	0.324		1
Hexachlorobutadiene	ND	0.200	0.073	ND	2.13	0.781		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/28/13 18:20
Analyst: RY

Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305178
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305178-03
Client ID: CAN 1783 SHELF #57
Sample Location:
Date Collected: 03/27/13 17:20
Date Received: 03/28/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	81		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	82		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/13 17:01
Analyst: RY

Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.221		1
Propylene	ND	0.500	0.093	ND	0.861	0.160		1
Propane	ND	0.200	0.114	ND	0.361	0.206		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.230		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.042	ND	1.40	0.293		1
Methanol	ND	5.00	0.736	ND	6.55	0.964		1
Vinyl chloride	ND	0.200	0.038	ND	0.511	0.097		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.044	ND	0.475	0.105		1
Bromomethane	ND	0.200	0.070	ND	0.777	0.270		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.202		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.241		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.165	ND	2.38	0.392		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.042	ND	1.12	0.234		1
Isopropanol	ND	0.500	0.053	ND	1.23	0.129		1
Acrylonitrile	ND	0.200	0.079	ND	0.434	0.171		1
Pentane	ND	0.200	0.048	ND	0.590	0.140		1
Ethyl ether	ND	0.200	0.059	ND	0.606	0.179		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.224		1
Tertiary butyl Alcohol	ND	0.500	0.060	ND	1.52	0.182		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	0.299	ND	3.47	1.04		1
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.035	ND	0.623	0.107		1
Freon-113	ND	0.200	0.051	ND	1.53	0.392		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.190		1
Vinyl acetate	ND	0.200	0.057	ND	0.704	0.200		1
2-Butanone	ND	0.200	0.047	ND	0.590	0.139		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.233		1
Ethyl Acetate	ND	0.500	0.131	ND	1.80	0.472		1
Chloroform	ND	0.200	0.053	ND	0.977	0.259		1
Tetrahydrofuran	ND	0.200	0.061	ND	0.590	0.179		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.269		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.052	ND	0.705	0.183		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.274		1
1,1,1-Trichloroethane	ND	0.200	0.057	ND	1.09	0.311		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.325		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.047	ND	1.26	0.296		1
Cyclohexane	ND	0.200	0.066	ND	0.688	0.226		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.332		1
Dibromomethane	ND	0.200	0.048	ND	1.42	0.338		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.322		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.439		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:

Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Methyl Methacrylate	ND	0.500	0.022	ND	2.05	0.091		1
Heptane	ND	0.200	0.055	ND	0.820	0.227		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.338		1
4-Methyl-2-pentanone	ND	0.200	0.061	ND	0.820	0.249		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.315		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.364		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.359		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.248		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.636		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.114	ND	2.38	0.542		1
Octane	ND	0.200	0.042	ND	0.934	0.197		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.514		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.363		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.241		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.541		1
Styrene	ND	0.200	0.080	ND	0.852	0.340		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.376		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.21	0.462		1
Nonane	ND	0.200	0.063	ND	1.05	0.328		1
Isopropylbenzene	ND	0.200	0.041	ND	0.983	0.202		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.381		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.287		1
tert-Butylbenzene	ND	0.200	0.031	ND	1.10	0.169		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.341		1
Decane	ND	0.200	0.048	ND	1.16	0.282		1
Benzyl chloride	ND	0.200	0.065	ND	1.04	0.334		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.383		1
1,4-Dichlorobenzene	ND	0.200	0.036	ND	1.20	0.217		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.061	ND	1.10	0.334		1
1,2-Dichlorobenzene	ND	0.200	0.061	ND	1.20	0.369		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.719		1
Undecane	ND	0.200	0.053	ND	1.28	0.338		1
Dodecane	ND	0.200	0.048	ND	1.39	0.333		1
1,2,4-Trichlorobenzene	ND	0.200	0.061	ND	1.48	0.454		1
Naphthalene	ND	0.200	0.043	ND	1.05	0.223		1
1,2,3-Trichlorobenzene	ND	0.200	0.044	ND	1.48	0.324		1
Hexachlorobutadiene	ND	0.200	0.073	ND	2.13	0.781		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/13 17:01
Analyst: RY

Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.869		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1305283
Report Date: 04/18/13

Air Canister Certification Results

Lab ID: L1305283-02
Client ID: CAN 1700 SHELF #46
Sample Location:
Date Collected: 03/28/13 16:33
Date Received: 03/29/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	72		60-140
chlorobenzene-d5	94		60-140

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1306330-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-02A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-03A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-04A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-05A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-06A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-07A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-08A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-09A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-10A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-11A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-12A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-13A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-14A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-15A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-16A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-17A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-18A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-19A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-20A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-21A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-22A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-23A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-24A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-25A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-26A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-27A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: SCOTIA NAVAL DEPOT
Project Number: 102305-R-07

Lab Number: L1306330
Report Date: 04/18/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1306330-28A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-29A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-SIM(30)
L1306330-30A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	SCOTIA NAVAL DEPOT	**Lab Number:**	L1306330
Project Number:	102305-R-07	**Report Date:**	04/18/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	SCOTIA NAVAL DEPOT	**Lab Number:**	L1306330
Project Number:	102305-R-07	**Report Date:**	04/18/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 3

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1306330

Client Information

Client: Stone Environmental Inc
Address: 535 Stonecutters Way
Montpelier VT 05602
Phone: (802) 229 4541
Fax: (802) 229 5417
Email: jschmidl@stone-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Scotia Naval Depot
Project Location: Scotia NY
Project #: 102305-R-07
Project Manager: Joe Schmidl
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: SEDD
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 102305-R07

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYDOH		

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
1	SV3-1-A	4/4/13	1128	1158	-28.77	-6.82	SV	DN	6L	1546	0250		X	X					PID=3.5
2	SV4-1-A	4/4/13	~~1214~~ 1144 DN 4/4/13	1214	-25.62	-12.7	SV	DN	6L	1789	0049			X					2.7
3	SV2-1-A	4/4/13	~~1118~~ 1050 DN 4/4/13	1118	-29.21	-7.3	SV	DN	6L	993	214			X					4.5
4	SV1-1-A	~~4/4/13~~ 4/3/13 DN 4/4/13	1712	1740	-29.06	-5.38	SV	DN	6L	946	~~0078~~			X					0.9
5	~~AR~~5-3-A	4/4/13	0710	1500	-29.65	-4.95	AA	DN	6L	1528	~~1505~~ 0029			X					
6	AR6-3-A	4/4/13	0716	1407	-29.6	-5.06	AA	DN	6L	~~918~~ 578	0577 DN	4/5/13		X					
7	AR7-3-A	4/4/13	0719	1519	-29.5	-4.63	AA	DN	6L	~~588~~ 978	0204 DN	4/5/13		X					
8	SV5-1-A	4/4/13	0820	1544	-29.77	-4.48	SV	DN	6L	1544	0227			X					1.0
9	SV6-1-A	4/4/13	0836	1600	-29.62	-5.90	SV	DN	6L	3190	0124			X					0.5
10	SV7-1-A	4/4/13	0859	1622	-29.31	-5.30	SV	DN	6L	1712	0141			X					3.3
										Container Type	Summa			X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Bec Rodberg	4/8/13 10:00	FedEx	
FedEx	4/11/13 1130		4/11/13 1130

AIR ANALYSIS

PAGE 2 OF 3

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1306330

Client Information

Client: Stone Environmental Inc
Address: 535 Stonecutters Way
Montpelier VT 05602
Phone: (802) 229 4541
Fax: (802) 229 5417
Email: JSchmidl@StoneEnv.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Scotia Naval Depot
Project Location: Scotia NY
Project #: 102305-R-07
Project Manager: Joe Schmidl
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: 560
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 102305-R107

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYDOH		

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
11 ✓	Trip Blank	4/3/13	1200	1200	NA	NA	AA	DN	6L	687	NA			X					
12 ✓	AR8-3-A	4/4/13	7:38	1544	-25.2	-4.65	AA	JS	6L	933	357			X					
13 ✓	AR9-3-A	4/4/13	7:42	1542	-29.1	-7.51	AA	JS	6L	1552	559			X					
14 ✓	AR10-3-A	4/4/13	7:46	1532	-29.1	-4.16	AA	JS	6L	708	384			X					
15 ✓	AR16-3-A	4/4/13	7:32	1552	-29.4	-5.65	AA	JS	6L	939	558			X					
16 ✓	~~SV9-3-A~~ SV9-3-A DN 4/5/13	4/4/13	9:33	1722	-29.42	-5.01	SV	JS	6L	943	212			X					PID = 1.6
17 ✓	~~SV8-3-A~~ SV8-3-A DN 4/5/13	4/4/13	9:46	1746	-29.68	-6.46	SV	JS	6L	999	315			X					PID = 1.1
18 ✓	~~SV10-3-A~~ SV10-3-A DN 4/5/13	4/4/13	9:18	1718	-29.60	-6.30	SV	JS	6L	783	183			X					PID = 5.4
19 ✓	AR17-3-A	4/5/13	07:24	1524	-29.27	-6.36	AA	JS	6L	760	552			X					
20 ✓	AR11-3-A	4/5/13	07:29	1528	-29.32	-5.21	AA	JS	6L	1867	557			X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: Summa — X

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
See Rodera FedEx	4/8/13 10:00	FedEx	
FedEx	4/11/13 1120		4/11/13 1130

Form No: 101-07 (rev. 1-Jun-09)

AIR ANALYSIS

PAGE 3 OF 3

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1306330

Client Information

Client: Stone Environmental Inc
Address: 535 Stonecutters Way
Montpelier VT 05602
Phone: (802) 229 4541
Fax: (802) 229 5417
Email: jschmidl@stone-env.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Scotia Naval Depot
Project Location: Scotia NY
Project #: 102305-R-07
Project Manager: Joe Schmidl
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: SEDD
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 102305-R-07

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
21 ✓	SV11-1-A	4/5/13	742	1524	-28.90	-4.8	SV	JS	6L	1516	256			X					PID = 4.0
22 ✓	SV12-1-A	4/5/13	751	1532	-29.1	-?	SV	JS	6L	06837	242			X					PID = 3.6
23 ✓	SV14-1-A	4/5/13	8:21	1615	-28.31	-4.97	SV	JS	6L	405	581			X					PID = 6.6 ON 4/11/13
24 ✓	AR14-3-A	4/5/13	731	1518	~~-29.48~~ -29.15 ON 4/5/13	-5.72	AA	JS	6L	1637	126			X					
25 ✓	AR15-3-A	4/5/13	727	1549	-28.15	-5.71	AA	JS	6L	1586	207			X					
26 ✓	AR15-3-A-D	~~4/5/13~~ 4/5/13	727	1544	-29.30	-6.05	AA	JS	6L	811	562			X					
30 ✓	~~SV13-1-A~~ ON 4/5/13	~~4/5/13~~	0830		-29.31		SV	~~ON~~	6L	~~1561~~									Bad Can Do not analyze
27 ✓	SV13-1-A	4/5/13	0830	1610	-29.81	-7.03	SV	ON	6L	1673	0019			X					PID = 8.5
28 ✓	SV15-1-A	4/5/13	817	1605	-29.62	-5.65	SV	ON	6L	739	0580			X					PID = 0.5
29 ✓	SV15-1-A-D	4/5/13	817	1605	-29.5	-6.90	SV	ON	6L	785	0040			X					PID = 0.5

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: Summa — X

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
See Roxbury FED EX	4/8/13 10:00	FedEx	
	4/11/13 1130		4/11/13 1130

Alpha
Summary
Forms

Organic Summary Forms

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-01	Date Collected	: 04/04/13 11:58
Client ID	: SV3-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 16:35
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127665	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.382	0.050	0.006	1.89	0.247	0.030	
74-87-3	Chloromethane	0.268	0.500	0.048	0.553	1.03	0.099	J
76-14-2	Freon-114	0.013	0.050	0.005	0.091	0.349	0.035	J
75-01-4	Vinyl chloride	0.007	0.020	0.007	0.018	0.051	0.018	J
106-99-0	1,3-Butadiene	0.289	0.020	0.006	0.639	0.044	0.013	
74-83-9	Bromomethane	0.057	0.020	0.008	0.221	0.078	0.031	
75-00-3	Chloroethane	0.026	0.020	0.007	0.069	0.053	0.019	
67-64-1	Acetone	28.6	2.00	0.739	67.9	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.150	0.050	0.008	0.843	0.281	0.045	
107-13-1	Acrylonitrile	0.198	0.500	0.015	0.430	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.667	1.00	0.250	2.32	3.47	0.869	J
76-13-1	Freon-113	0.056	0.050	0.006	0.429	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	3.91	0.500	0.025	11.5	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.074	0.020	0.006	0.361	0.098	0.029	
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032	U
71-55-6	1,1,1-Trichloroethane	0.183	0.020	0.007	0.998	0.109	0.038	
71-43-2	Benzene	0.871	0.100	0.021	2.78	0.319	0.067	
56-23-5	Carbon tetrachloride	0.038	0.020	0.008	0.239	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.048	0.020	0.007	0.258	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.446	0.500	0.042	1.83	2.05	0.172	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-01	Date Collected	: 04/04/13 11:58
Client ID	: SV3-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 16:35
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127665	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	1.22	0.050	0.025	4.60	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.153	0.020	0.007	0.665	0.087	0.030	
179601-23-1	p/m-Xylene	0.423	0.040	0.009	1.84	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.027	0.020	0.008	0.115	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.186	0.020	0.008	0.808	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.055	0.020	0.010	0.270	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.067	0.020	0.005	0.329	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.203	0.020	0.007	0.998	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	1.15	0.020	0.007	6.91	0.120	0.042	
106-46-7	1,4-Dichlorobenzene	0.035	0.020	0.008	0.210	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.041	0.050	0.012	0.215	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-02D	Date Collected	: 04/04/13 12:14
Client ID	: SV4-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 17:38
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127667	Instrument ID	: AIRPIANO1
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.414	0.100	0.012	2.05	0.494	0.059	
74-87-3	Chloromethane	0.466	1.00	0.096	0.962	2.07	0.198	J
76-14-2	Freon-114	0.014	0.100	0.010	0.098	0.699	0.070	J
75-01-4	Vinyl chloride	ND	0.040	0.014	ND	0.102	0.036	U
106-99-0	1,3-Butadiene	0.848	0.040	0.012	1.88	0.089	0.027	
74-83-9	Bromomethane	0.020	0.040	0.016	0.078	0.155	0.062	J
75-00-3	Chloroethane	0.036	0.040	0.014	0.095	0.106	0.037	J
67-64-1	Acetone	47.2	4.00	1.48	112	9.50	3.52	
75-69-4	Trichlorofluoromethane	0.174	0.100	0.016	0.978	0.562	0.090	
107-13-1	Acrylonitrile	0.256	1.00	0.030	0.556	2.17	0.065	J
75-35-4	1,1-Dichloroethene	ND	0.040	0.014	ND	0.159	0.056	U
75-09-2	Methylene chloride	0.584	2.00	0.500	2.03	6.95	1.74	J
76-13-1	Freon-113	0.058	0.100	0.012	0.445	0.766	0.092	J
156-60-5	trans-1,2-Dichloroethene	ND	0.040	0.012	ND	0.159	0.048	U
75-34-3	1,1-Dichloroethane	ND	0.040	0.014	ND	0.162	0.057	U
1634-04-4	Methyl tert butyl ether	ND	0.040	0.008	ND	0.144	0.029	U
78-93-3	2-Butanone	7.19	1.00	0.049	21.2	2.95	0.146	
156-59-2	cis-1,2-Dichloroethene	ND	0.040	0.013	ND	0.159	0.052	U
67-66-3	Chloroform	0.066	0.040	0.012	0.322	0.195	0.059	
107-06-2	1,2-Dichloroethane	ND	0.040	0.016	ND	0.162	0.065	U
71-55-6	1,1,1-Trichloroethane	2.43	0.040	0.014	13.3	0.218	0.076	
71-43-2	Benzene	1.14	0.200	0.042	3.64	0.639	0.134	
56-23-5	Carbon tetrachloride	0.062	0.040	0.016	0.390	0.252	0.101	
78-87-5	1,2-Dichloropropane	ND	0.040	0.012	ND	0.185	0.056	U
75-27-4	Bromodichloromethane	ND	0.040	0.016	ND	0.268	0.107	U
79-01-6	Trichloroethene	0.034	0.040	0.014	0.183	0.215	0.075	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073	U
108-10-1	4-Methyl-2-pentanone	0.590	1.00	0.084	2.42	4.10	0.344	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-02D	Date Collected	: 04/04/13 12:14
Client ID	: SV4-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 17:38
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127667	Instrument ID	: AIRPIANO1
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073	U
79-00-5	1,1,2-Trichloroethane	ND	0.040	0.018	ND	0.218	0.098	U
108-88-3	Toluene	1.44	0.100	0.050	5.43	0.377	0.188	
124-48-1	Dibromochloromethane	ND	0.040	0.016	ND	0.341	0.136	U
106-93-4	1,2-Dibromoethane	ND	0.040	0.016	ND	0.307	0.123	U
127-18-4	Tetrachloroethene	ND	0.040	0.016	ND	0.271	0.108	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.040	0.008	ND	0.275	0.055	U
108-90-7	Chlorobenzene	ND	0.040	0.016	ND	0.184	0.074	U
100-41-4	Ethylbenzene	3.20	0.040	0.014	13.9	0.174	0.061	
179601-23-1	p/m-Xylene	12.4	0.080	0.018	53.9	0.347	0.078	
75-25-2	Bromoform	ND	0.040	0.030	ND	0.414	0.310	U
100-42-5	Styrene	0.042	0.040	0.016	0.179	0.170	0.068	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.040	0.014	ND	0.275	0.096	U
95-47-6	o-Xylene	6.98	0.040	0.016	30.3	0.174	0.070	
98-82-8	Isopropylbenzene	2.03	1.00	0.092	9.98	4.92	0.452	
622-96-8	4-Ethyltoluene	3.50	0.040	0.020	17.2	0.197	0.097	
108-67-8	1,3,5-Trimethybenzene	3.71	0.040	0.010	18.2	0.197	0.049	
95-63-6	1,2,4-Trimethylbenzene	6.55	0.040	0.014	32.2	0.197	0.069	
541-73-1	1,3-Dichlorobenzene	1.22	0.040	0.014	7.33	0.240	0.084	
106-46-7	1,4-Dichlorobenzene	0.032	0.040	0.016	0.192	0.240	0.096	J
135-98-8	sec-Butylbenzene	0.690	1.00	0.094	3.79	5.49	0.516	J
99-87-6	p-Isopropyltoluene	0.616	1.00	0.096	3.38	5.49	0.527	J
95-50-1	1,2-Dichlorobenzene	ND	0.040	0.014	ND	0.240	0.084	U
104-51-8	n-Butylbenzene	0.276	1.00	0.090	1.51	5.49	0.494	J
120-82-1	1,2,4-Trichlorobenzene	ND	0.100	0.020	ND	0.742	0.148	U
91-20-3	Naphthalene	0.028	0.100	0.024	0.147	0.524	0.126	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.100	0.038	ND	0.742	0.282	U
87-68-3	Hexachlorobutadiene	ND	0.100	0.022	ND	1.07	0.235	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-03	Date Collected	: 04/04/13 11:18
Client ID	: SV2-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 18:10
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127668	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.425	0.050	0.006	2.10	0.247	0.030	
74-87-3	Chloromethane	0.244	0.500	0.048	0.504	1.03	0.099	J
76-14-2	Freon-114	0.013	0.050	0.005	0.091	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013	U
74-83-9	Bromomethane	ND	0.020	0.008	ND	0.078	0.031	U
75-00-3	Chloroethane	0.015	0.020	0.007	0.040	0.053	0.019	J
67-64-1	Acetone	16.3	2.00	0.739	38.7	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.189	0.050	0.008	1.06	0.281	0.045	
107-13-1	Acrylonitrile	0.018	0.500	0.015	0.039	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	1.15	1.00	0.250	4.00	3.47	0.869	
76-13-1	Freon-113	0.061	0.050	0.006	0.468	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	0.005	0.020	0.004	0.018	0.072	0.014	J
78-93-3	2-Butanone	1.36	0.500	0.025	4.01	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.014	0.020	0.006	0.068	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.010	0.020	0.008	0.041	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.240	0.020	0.007	1.31	0.109	0.038	
71-43-2	Benzene	0.155	0.100	0.021	0.495	0.319	0.067	
56-23-5	Carbon tetrachloride	0.330	0.020	0.008	2.08	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.084	0.020	0.007	0.451	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.482	0.500	0.042	1.98	2.05	0.172	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-03	Date Collected	: 04/04/13 11:18
Client ID	: SV2-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 18:10
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127668	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.350	0.050	0.025	1.32	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.009	0.020	0.008	0.061	0.136	0.054	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	1.24	0.020	0.007	5.39	0.087	0.030	
179601-23-1	p/m-Xylene	5.45	0.040	0.009	23.7	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.024	0.020	0.008	0.102	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	3.25	0.020	0.008	14.1	0.087	0.035	
98-82-8	Isopropylbenzene	1.07	0.500	0.046	5.26	2.46	0.226	
622-96-8	4-Ethyltoluene	2.96	0.020	0.010	14.6	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	3.05	0.020	0.005	15.0	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	6.70	0.020	0.007	32.9	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	0.593	0.500	0.047	3.25	2.74	0.258	
99-87-6	p-Isopropyltoluene	0.942	0.500	0.048	5.17	2.74	0.263	
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	0.492	0.500	0.045	2.70	2.74	0.247	J
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.166	0.050	0.012	0.870	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-04	Date Collected	: 04/03/13 17:40
Client ID	: SV1-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 18:42
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127669	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.408	0.050	0.006	2.02	0.247	0.030	
74-87-3	Chloromethane	0.154	0.500	0.048	0.318	1.03	0.099	J
76-14-2	Freon-114	0.016	0.050	0.005	0.112	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.150	0.020	0.006	0.332	0.044	0.013	
74-83-9	Bromomethane	ND	0.020	0.008	ND	0.078	0.031	U
75-00-3	Chloroethane	ND	0.020	0.007	ND	0.053	0.019	U
67-64-1	Acetone	49.8	2.00	0.739	118	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.194	0.050	0.008	1.09	0.281	0.045	
107-13-1	Acrylonitrile	0.133	0.500	0.015	0.289	1.09	0.033	J
75-35-4	1,1-Dichloroethene	0.799	0.020	0.007	3.17	0.079	0.028	
75-09-2	Methylene chloride	0.403	1.00	0.250	1.40	3.47	0.869	J
76-13-1	Freon-113	0.066	0.050	0.006	0.506	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	0.007	0.020	0.004	0.025	0.072	0.014	J
78-93-3	2-Butanone	4.94	0.500	0.025	14.6	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.261	0.020	0.006	1.27	0.098	0.029	
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032	U
71-55-6	1,1,1-Trichloroethane	3.42	0.020	0.007	18.7	0.109	0.038	
71-43-2	Benzene	0.496	0.100	0.021	1.58	0.319	0.067	
56-23-5	Carbon tetrachloride	1.19	0.020	0.008	7.49	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	2.33	0.020	0.007	12.5	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	1.12	0.500	0.042	4.59	2.05	0.172	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-04	Date Collected	: 04/03/13 17:40
Client ID	: SV1-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 18:42
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127669	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	2.10	0.050	0.025	7.91	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.012	0.020	0.008	0.081	0.136	0.054	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.240	0.020	0.007	1.04	0.087	0.030	
179601-23-1	p/m-Xylene	0.897	0.040	0.009	3.90	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.037	0.020	0.008	0.158	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.369	0.020	0.008	1.60	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.166	0.020	0.010	0.816	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.191	0.020	0.005	0.939	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.713	0.020	0.007	3.51	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	0.580	0.020	0.007	3.49	0.120	0.042	
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	0.296	0.500	0.048	1.62	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	0.076	0.500	0.045	0.417	2.74	0.247	J
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.186	0.050	0.012	0.975	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-05	Date Collected	: 04/04/13 15:00
Client ID	: AR5-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 18:45
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127644	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.436	0.050	0.006	2.16	0.247	0.030	
74-87-3	Chloromethane	0.681	0.500	0.048	1.41	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.043	0.020	0.006	0.095	0.044	0.013	
74-83-9	Bromomethane	0.010	0.020	0.008	0.039	0.078	0.031	J
75-00-3	Chloroethane	0.008	0.020	0.007	0.021	0.053	0.019	J
67-64-1	Acetone	4.81	2.00	0.739	11.4	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.219	0.050	0.008	1.23	0.281	0.045	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	ND	1.00	0.250	ND	3.47	0.869	U
76-13-1	Freon-113	0.070	0.050	0.006	0.537	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.289	0.500	0.025	0.852	1.47	0.073	J
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.018	0.020	0.006	0.088	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.017	0.020	0.008	0.069	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038	U
71-43-2	Benzene	0.129	0.100	0.021	0.412	0.319	0.067	
56-23-5	Carbon tetrachloride	0.094	0.020	0.008	0.591	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-05	Date Collected	: 04/04/13 15:00
Client ID	: AR5-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 18:45
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127644	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.093	0.050	0.025	0.350	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.018	0.020	0.007	0.078	0.087	0.030	J
179601-23-1	p/m-Xylene	0.041	0.040	0.009	0.178	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.013	0.020	0.008	0.055	0.085	0.034	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.015	0.020	0.008	0.065	0.087	0.035	J
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025	U
95-63-6	1,2,4-Trimethylbenzene	0.011	0.020	0.007	0.054	0.098	0.034	J
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	0.046	0.020	0.008	0.277	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.012	0.050	0.012	0.063	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-06	Date Collected	: 04/04/13 14:07
Client ID	: AR6-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 19:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127645	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.408	0.050	0.006	2.02	0.247	0.030	
74-87-3	Chloromethane	0.588	0.500	0.048	1.21	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.483	0.020	0.006	1.07	0.044	0.013	
74-83-9	Bromomethane	0.008	0.020	0.008	0.031	0.078	0.031	J
75-00-3	Chloroethane	0.010	0.020	0.007	0.026	0.053	0.019	J
67-64-1	Acetone	5.96	2.00	0.739	14.2	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.226	0.050	0.008	1.27	0.281	0.045	
107-13-1	Acrylonitrile	0.030	0.500	0.015	0.065	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.282	1.00	0.250	0.980	3.47	0.869	J
76-13-1	Freon-113	0.073	0.050	0.006	0.560	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.746	0.500	0.025	2.20	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.012	0.020	0.006	0.059	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.011	0.020	0.007	0.060	0.109	0.038	J
71-43-2	Benzene	0.290	0.100	0.021	0.926	0.319	0.067	
56-23-5	Carbon tetrachloride	0.285	0.020	0.008	1.79	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.111	0.020	0.007	0.597	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-06	Date Collected	: 04/04/13 14:07
Client ID	: AR6-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 19:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127645	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.480	0.050	0.025	1.81	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.068	0.020	0.007	0.295	0.087	0.030	
179601-23-1	p/m-Xylene	0.216	0.040	0.009	0.938	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.022	0.020	0.008	0.094	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.073	0.020	0.008	0.317	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.018	0.020	0.010	0.089	0.098	0.048	J
108-67-8	1,3,5-Trimethybenzene	0.018	0.020	0.005	0.089	0.098	0.025	J
95-63-6	1,2,4-Trimethylbenzene	0.061	0.020	0.007	0.300	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	0.010	0.020	0.008	0.060	0.120	0.048	J
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.030	0.050	0.012	0.157	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-07	Date Collected	: 04/04/13 15:19
Client ID	: AR7-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 19:49
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127646	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.415	0.050	0.006	2.05	0.247	0.030	
74-87-3	Chloromethane	0.638	0.500	0.048	1.32	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.127	0.020	0.006	0.281	0.044	0.013	
74-83-9	Bromomethane	0.015	0.020	0.008	0.058	0.078	0.031	J
75-00-3	Chloroethane	0.010	0.020	0.007	0.026	0.053	0.019	J
67-64-1	Acetone	5.22	2.00	0.739	12.4	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.228	0.050	0.008	1.28	0.281	0.045	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	ND	1.00	0.250	ND	3.47	0.869	U
76-13-1	Freon-113	0.074	0.050	0.006	0.567	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.444	0.500	0.025	1.31	1.47	0.073	J
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.013	0.020	0.006	0.064	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.016	0.020	0.008	0.065	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.007	0.020	0.007	0.038	0.109	0.038	J
71-43-2	Benzene	0.166	0.100	0.021	0.530	0.319	0.067	
56-23-5	Carbon tetrachloride	0.671	0.020	0.008	4.22	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.006	0.020	0.006	0.028	0.092	0.028	J
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.011	0.020	0.007	0.059	0.107	0.038	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-07	Date Collected	: 04/04/13 15:19
Client ID	: AR7-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 19:49
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127646	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.109	0.050	0.025	0.411	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.017	0.020	0.007	0.074	0.087	0.030	J
179601-23-1	p/m-Xylene	0.049	0.040	0.009	0.213	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.015	0.020	0.008	0.064	0.085	0.034	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.017	0.020	0.008	0.074	0.087	0.035	J
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	0.005	0.020	0.005	0.025	0.098	0.025	J
95-63-6	1,2,4-Trimethylbenzene	0.015	0.020	0.007	0.074	0.098	0.034	J
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	0.020	0.020	0.008	0.120	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.035	0.050	0.012	0.184	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-08D	Date Collected	: 04/04/13 15:44
Client ID	: SV5-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 19:14
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127670	Instrument ID	: AIRPIANO1
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.470	0.100	0.012	2.32	0.494	0.059	
74-87-3	Chloromethane	0.148	1.00	0.096	0.306	2.07	0.198	J
76-14-2	Freon-114	0.016	0.100	0.010	0.112	0.699	0.070	J
75-01-4	Vinyl chloride	ND	0.040	0.014	ND	0.102	0.036	U
106-99-0	1,3-Butadiene	0.070	0.040	0.012	0.155	0.089	0.027	
74-83-9	Bromomethane	ND	0.040	0.016	ND	0.155	0.062	U
75-00-3	Chloroethane	0.032	0.040	0.014	0.084	0.106	0.037	J
67-64-1	Acetone	22.7	4.00	1.48	53.9	9.50	3.52	
75-69-4	Trichlorofluoromethane	0.244	0.100	0.016	1.37	0.562	0.090	
107-13-1	Acrylonitrile	0.116	1.00	0.030	0.252	2.17	0.065	J
75-35-4	1,1-Dichloroethene	ND	0.040	0.014	ND	0.159	0.056	U
75-09-2	Methylene chloride	0.602	2.00	0.500	2.09	6.95	1.74	J
76-13-1	Freon-113	0.322	0.100	0.012	2.47	0.766	0.092	
156-60-5	trans-1,2-Dichloroethene	ND	0.040	0.012	ND	0.159	0.048	U
75-34-3	1,1-Dichloroethane	ND	0.040	0.014	ND	0.162	0.057	U
1634-04-4	Methyl tert butyl ether	ND	0.040	0.008	ND	0.144	0.029	U
78-93-3	2-Butanone	9.86	1.00	0.049	29.1	2.95	0.146	
156-59-2	cis-1,2-Dichloroethene	ND	0.040	0.013	ND	0.159	0.052	U
67-66-3	Chloroform	0.030	0.040	0.012	0.147	0.195	0.059	J
107-06-2	1,2-Dichloroethane	ND	0.040	0.016	ND	0.162	0.065	U
71-55-6	1,1,1-Trichloroethane	0.120	0.040	0.014	0.655	0.218	0.076	
71-43-2	Benzene	1.03	0.200	0.042	3.29	0.639	0.134	
56-23-5	Carbon tetrachloride	11.2	0.040	0.016	70.5	0.252	0.101	
78-87-5	1,2-Dichloropropane	ND	0.040	0.012	ND	0.185	0.056	U
75-27-4	Bromodichloromethane	ND	0.040	0.016	ND	0.268	0.107	U
79-01-6	Trichloroethene	0.034	0.040	0.014	0.183	0.215	0.075	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073	U
108-10-1	4-Methyl-2-pentanone	3.26	1.00	0.084	13.4	4.10	0.344	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-08D	Date Collected	: 04/04/13 15:44
Client ID	: SV5-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 19:14
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127670	Instrument ID	: AIRPIANO1
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073	U
79-00-5	1,1,2-Trichloroethane	ND	0.040	0.018	ND	0.218	0.098	U
108-88-3	Toluene	4.15	0.100	0.050	15.6	0.377	0.188	
124-48-1	Dibromochloromethane	ND	0.040	0.016	ND	0.341	0.136	U
106-93-4	1,2-Dibromoethane	ND	0.040	0.016	ND	0.307	0.123	U
127-18-4	Tetrachloroethene	0.024	0.040	0.016	0.163	0.271	0.108	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.040	0.008	ND	0.275	0.055	U
108-90-7	Chlorobenzene	ND	0.040	0.016	ND	0.184	0.074	U
100-41-4	Ethylbenzene	1.15	0.040	0.014	5.00	0.174	0.061	
179601-23-1	p/m-Xylene	3.68	0.080	0.018	16.0	0.347	0.078	
75-25-2	Bromoform	ND	0.040	0.030	ND	0.414	0.310	U
100-42-5	Styrene	0.110	0.040	0.016	0.468	0.170	0.068	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.040	0.014	ND	0.275	0.096	U
95-47-6	o-Xylene	1.49	0.040	0.016	6.47	0.174	0.070	
98-82-8	Isopropylbenzene	0.098	1.00	0.092	0.482	4.92	0.452	J
622-96-8	4-Ethyltoluene	0.382	0.040	0.020	1.88	0.197	0.097	
108-67-8	1,3,5-Trimethybenzene	0.420	0.040	0.010	2.06	0.197	0.049	
95-63-6	1,2,4-Trimethylbenzene	1.30	0.040	0.014	6.39	0.197	0.069	
541-73-1	1,3-Dichlorobenzene	2.68	0.040	0.014	16.1	0.240	0.084	
106-46-7	1,4-Dichlorobenzene	0.064	0.040	0.016	0.385	0.240	0.096	
135-98-8	sec-Butylbenzene	ND	1.00	0.094	ND	5.49	0.516	U
99-87-6	p-Isopropyltoluene	ND	1.00	0.096	ND	5.49	0.527	U
95-50-1	1,2-Dichlorobenzene	ND	0.040	0.014	ND	0.240	0.084	U
104-51-8	n-Butylbenzene	ND	1.00	0.090	ND	5.49	0.494	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.100	0.020	ND	0.742	0.148	U
91-20-3	Naphthalene	0.072	0.100	0.024	0.378	0.524	0.126	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.100	0.038	ND	0.742	0.282	U
87-68-3	Hexachlorobutadiene	ND	0.100	0.022	ND	1.07	0.235	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-09D	Date Collected	: 04/04/13 16:08
Client ID	: SV6-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 19:46
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127671	Instrument ID	: AIRPIANO1
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.448	0.100	0.012	2.22	0.494	0.059	
74-87-3	Chloromethane	0.138	1.00	0.096	0.285	2.07	0.198	J
76-14-2	Freon-114	0.014	0.100	0.010	0.098	0.699	0.070	J
75-01-4	Vinyl chloride	ND	0.040	0.014	ND	0.102	0.036	U
106-99-0	1,3-Butadiene	0.092	0.040	0.012	0.204	0.089	0.027	
74-83-9	Bromomethane	ND	0.040	0.016	ND	0.155	0.062	U
75-00-3	Chloroethane	ND	0.040	0.014	ND	0.106	0.037	U
67-64-1	Acetone	10.5	4.00	1.48	24.9	9.50	3.52	
75-69-4	Trichlorofluoromethane	0.196	0.100	0.016	1.10	0.562	0.090	
107-13-1	Acrylonitrile	ND	1.00	0.030	ND	2.17	0.065	U
75-35-4	1,1-Dichloroethene	ND	0.040	0.014	ND	0.159	0.056	U
75-09-2	Methylene chloride	4.34	2.00	0.500	15.1	6.95	1.74	
76-13-1	Freon-113	0.088	0.100	0.012	0.674	0.766	0.092	J
156-60-5	trans-1,2-Dichloroethene	ND	0.040	0.012	ND	0.159	0.048	U
75-34-3	1,1-Dichloroethane	ND	0.040	0.014	ND	0.162	0.057	U
1634-04-4	Methyl tert butyl ether	ND	0.040	0.008	ND	0.144	0.029	U
78-93-3	2-Butanone	7.03	1.00	0.049	20.7	2.95	0.146	
156-59-2	cis-1,2-Dichloroethene	ND	0.040	0.013	ND	0.159	0.052	U
67-66-3	Chloroform	0.036	0.040	0.012	0.176	0.195	0.059	J
107-06-2	1,2-Dichloroethane	ND	0.040	0.016	ND	0.162	0.065	U
71-55-6	1,1,1-Trichloroethane	0.504	0.040	0.014	2.75	0.218	0.076	
71-43-2	Benzene	0.636	0.200	0.042	2.03	0.639	0.134	
56-23-5	Carbon tetrachloride	0.252	0.040	0.016	1.59	0.252	0.101	
78-87-5	1,2-Dichloropropane	ND	0.040	0.012	ND	0.185	0.056	U
75-27-4	Bromodichloromethane	ND	0.040	0.016	ND	0.268	0.107	U
79-01-6	Trichloroethene	0.234	0.040	0.014	1.26	0.215	0.075	
10061-01-5	cis-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073	U
108-10-1	4-Methyl-2-pentanone	2.47	1.00	0.084	10.1	4.10	0.344	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-09D	Date Collected	: 04/04/13 16:08
Client ID	: SV6-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 19:46
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127671	Instrument ID	: AIRPIANO1
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.040	0.016	ND	0.182	0.073	U
79-00-5	1,1,2-Trichloroethane	ND	0.040	0.018	ND	0.218	0.098	U
108-88-3	Toluene	3.92	0.100	0.050	14.8	0.377	0.188	
124-48-1	Dibromochloromethane	ND	0.040	0.016	ND	0.341	0.136	U
106-93-4	1,2-Dibromoethane	ND	0.040	0.016	ND	0.307	0.123	U
127-18-4	Tetrachloroethene	0.024	0.040	0.016	0.163	0.271	0.108	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.040	0.008	ND	0.275	0.055	U
108-90-7	Chlorobenzene	ND	0.040	0.016	ND	0.184	0.074	U
100-41-4	Ethylbenzene	0.984	0.040	0.014	4.27	0.174	0.061	
179601-23-1	p/m-Xylene	3.10	0.080	0.018	13.5	0.347	0.078	
75-25-2	Bromoform	ND	0.040	0.030	ND	0.414	0.310	U
100-42-5	Styrene	0.094	0.040	0.016	0.400	0.170	0.068	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.040	0.014	ND	0.275	0.096	U
95-47-6	o-Xylene	1.28	0.040	0.016	5.56	0.174	0.070	
98-82-8	Isopropylbenzene	ND	1.00	0.092	ND	4.92	0.452	U
622-96-8	4-Ethyltoluene	0.344	0.040	0.020	1.69	0.197	0.097	
108-67-8	1,3,5-Trimethybenzene	0.380	0.040	0.010	1.87	0.197	0.049	
95-63-6	1,2,4-Trimethylbenzene	1.19	0.040	0.014	5.85	0.197	0.069	
541-73-1	1,3-Dichlorobenzene	1.87	0.040	0.014	11.2	0.240	0.084	
106-46-7	1,4-Dichlorobenzene	0.022	0.040	0.016	0.132	0.240	0.096	J
135-98-8	sec-Butylbenzene	ND	1.00	0.094	ND	5.49	0.516	U
99-87-6	p-Isopropyltoluene	ND	1.00	0.096	ND	5.49	0.527	U
95-50-1	1,2-Dichlorobenzene	ND	0.040	0.014	ND	0.240	0.084	U
104-51-8	n-Butylbenzene	ND	1.00	0.090	ND	5.49	0.494	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.100	0.020	ND	0.742	0.148	U
91-20-3	Naphthalene	0.056	0.100	0.024	0.294	0.524	0.126	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.100	0.038	ND	0.742	0.282	U
87-68-3	Hexachlorobutadiene	ND	0.100	0.022	ND	1.07	0.235	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-10D	Date Collected	: 04/04/13 16:22
Client ID	: SV7-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 20:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 10
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127672	Instrument ID	: AIRPIANO1
Sample Amount	: 25.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.620	0.500	0.060	3.07	2.47	0.297	
74-87-3	Chloromethane	ND	5.00	0.480	ND	10.3	0.991	U
76-14-2	Freon-114	ND	0.500	0.050	ND	3.49	0.349	U
75-01-4	Vinyl chloride	ND	0.200	0.070	ND	0.511	0.179	U
106-99-0	1,3-Butadiene	0.260	0.200	0.060	0.575	0.442	0.133	
74-83-9	Bromomethane	ND	0.200	0.080	ND	0.777	0.311	U
75-00-3	Chloroethane	ND	0.200	0.070	ND	0.528	0.185	U
67-64-1	Acetone	25.0	20.0	7.39	59.4	47.5	17.6	
75-69-4	Trichlorofluoromethane	0.290	0.500	0.080	1.63	2.81	0.450	J
107-13-1	Acrylonitrile	0.230	5.00	0.150	0.499	10.9	0.326	J
75-35-4	1,1-Dichloroethene	ND	0.200	0.070	ND	0.793	0.278	U
75-09-2	Methylene chloride	ND	10.0	2.50	ND	34.7	8.69	U
76-13-1	Freon-113	0.090	0.500	0.060	0.690	3.83	0.460	J
156-60-5	trans-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.238	U
75-34-3	1,1-Dichloroethane	ND	0.200	0.070	ND	0.809	0.283	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.040	ND	0.721	0.144	U
78-93-3	2-Butanone	5.96	5.00	0.247	17.6	14.7	0.728	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	0.066	ND	0.793	0.262	U
67-66-3	Chloroform	0.150	0.200	0.060	0.733	0.977	0.293	J
107-06-2	1,2-Dichloroethane	ND	0.200	0.080	ND	0.809	0.324	U
71-55-6	1,1,1-Trichloroethane	0.330	0.200	0.070	1.80	1.09	0.382	
71-43-2	Benzene	0.510	1.00	0.210	1.63	3.19	0.671	J
56-23-5	Carbon tetrachloride	258	0.200	0.080	1620	1.26	0.503	
78-87-5	1,2-Dichloropropane	ND	0.200	0.060	ND	0.924	0.277	U
75-27-4	Bromodichloromethane	ND	0.200	0.080	ND	1.34	0.536	U
79-01-6	Trichloroethene	ND	0.200	0.070	ND	1.07	0.376	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363	U
108-10-1	4-Methyl-2-pentanone	1.52	5.00	0.420	6.23	20.5	1.72	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-10D	Date Collected	: 04/04/13 16:22
Client ID	: SV7-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 20:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 10
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127672	Instrument ID	: AIRPIANO1
Sample Amount	: 25.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	0.090	ND	1.09	0.491	U
108-88-3	Toluene	0.830	0.500	0.250	3.13	1.88	0.942	
124-48-1	Dibromochloromethane	ND	0.200	0.080	ND	1.70	0.682	U
106-93-4	1,2-Dibromoethane	ND	0.200	0.080	ND	1.54	0.615	U
127-18-4	Tetrachloroethene	ND	0.200	0.080	ND	1.36	0.542	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.200	0.040	ND	1.37	0.275	U
108-90-7	Chlorobenzene	ND	0.200	0.080	ND	0.921	0.368	U
100-41-4	Ethylbenzene	0.110	0.200	0.070	0.478	0.869	0.304	J
179601-23-1	p/m-Xylene	0.330	0.400	0.090	1.43	1.74	0.391	J
75-25-2	Bromoform	ND	0.200	0.150	ND	2.07	1.55	U
100-42-5	Styrene	ND	0.200	0.080	ND	0.852	0.341	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	0.070	ND	1.37	0.481	U
95-47-6	o-Xylene	0.150	0.200	0.080	0.652	0.869	0.347	J
98-82-8	Isopropylbenzene	ND	5.00	0.460	ND	24.6	2.26	U
622-96-8	4-Ethyltoluene	ND	0.200	0.098	ND	0.983	0.484	U
108-67-8	1,3,5-Trimethybenzene	0.060	0.200	0.050	0.295	0.983	0.246	J
95-63-6	1,2,4-Trimethylbenzene	0.200	0.200	0.070	0.983	0.983	0.344	
541-73-1	1,3-Dichlorobenzene	1.03	0.200	0.070	6.19	1.20	0.421	
106-46-7	1,4-Dichlorobenzene	ND	0.200	0.080	ND	1.20	0.481	U
135-98-8	sec-Butylbenzene	ND	5.00	0.470	ND	27.4	2.58	U
99-87-6	p-Isopropyltoluene	ND	5.00	0.480	ND	27.4	2.63	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	0.070	ND	1.20	0.421	U
104-51-8	n-Butylbenzene	ND	5.00	0.450	ND	27.4	2.47	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.100	ND	3.71	0.742	U
91-20-3	Naphthalene	ND	0.500	0.120	ND	2.62	0.629	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	0.190	ND	3.71	1.41	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.110	ND	5.33	1.17	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-11	Date Collected	: 04/03/13 12:00
Client ID	: TRIP BLANK	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 18:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127643	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030	U
74-87-3	Chloromethane	ND	0.500	0.048	ND	1.03	0.099	U
76-14-2	Freon-114	ND	0.050	0.005	ND	0.349	0.035	U
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013	U
74-83-9	Bromomethane	ND	0.020	0.008	ND	0.078	0.031	U
75-00-3	Chloroethane	ND	0.020	0.007	ND	0.053	0.019	U
67-64-1	Acetone	ND	2.00	0.739	ND	4.75	1.76	U
75-69-4	Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045	U
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.798	1.00	0.250	2.77	3.47	0.869	J
76-13-1	Freon-113	ND	0.050	0.006	ND	0.383	0.046	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	ND	0.500	0.025	ND	1.47	0.073	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	ND	0.020	0.006	ND	0.098	0.029	U
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038	U
71-43-2	Benzene	ND	0.100	0.021	ND	0.319	0.067	U
56-23-5	Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050	U
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-11	Date Collected	: 04/03/13 12:00
Client ID	: TRIP BLANK	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 18:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127643	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	ND	0.050	0.025	ND	0.188	0.094	U
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030	U
179601-23-1	p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039	U
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	ND	0.020	0.008	ND	0.087	0.035	U
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	ND	0.050	0.012	ND	0.262	0.063	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-12	Date Collected	: 04/04/13 15:44
Client ID	: AR8-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 20:21
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127647	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.452	0.050	0.006	2.24	0.247	0.030	
74-87-3	Chloromethane	0.745	0.500	0.048	1.54	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.213	0.020	0.006	0.471	0.044	0.013	
74-83-9	Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J
75-00-3	Chloroethane	0.010	0.020	0.007	0.026	0.053	0.019	J
67-64-1	Acetone	22.2	2.00	0.739	52.7	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.224	0.050	0.008	1.26	0.281	0.045	
107-13-1	Acrylonitrile	0.027	0.500	0.015	0.059	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	1.40	1.00	0.250	4.86	3.47	0.869	
76-13-1	Freon-113	0.089	0.050	0.006	0.682	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	1.48	0.500	0.025	4.36	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.034	0.020	0.006	0.166	0.098	0.029	
107-06-2	1,2-Dichloroethane	0.022	0.020	0.008	0.089	0.081	0.032	
71-55-6	1,1,1-Trichloroethane	0.236	0.020	0.007	1.29	0.109	0.038	
71-43-2	Benzene	0.506	0.100	0.021	1.62	0.319	0.067	
56-23-5	Carbon tetrachloride	0.548	0.020	0.008	3.45	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.007	0.020	0.006	0.032	0.092	0.028	J
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.241	0.020	0.007	1.30	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.157	0.500	0.042	0.643	2.05	0.172	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-12	Date Collected	: 04/04/13 15:44
Client ID	: AR8-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 20:21
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127647	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	1.10	0.050	0.025	4.15	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.073	0.020	0.008	0.495	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	0.012	0.020	0.008	0.055	0.092	0.037	J
100-41-4	Ethylbenzene	0.169	0.020	0.007	0.734	0.087	0.030	
179601-23-1	p/m-Xylene	0.512	0.040	0.009	2.22	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.071	0.020	0.008	0.302	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.238	0.020	0.008	1.03	0.087	0.035	
98-82-8	Isopropylbenzene	0.065	0.500	0.046	0.320	2.46	0.226	J
622-96-8	4-Ethyltoluene	0.237	0.020	0.010	1.17	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.247	0.020	0.005	1.21	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.792	0.020	0.007	3.89	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	2.48	0.020	0.008	14.9	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	0.479	0.500	0.048	2.63	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.221	0.050	0.012	1.16	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-13	Date Collected	: 04/04/13 15:42
Client ID	: AR9-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 20:53
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127648	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.455	0.050	0.006	2.25	0.247	0.030	
74-87-3	Chloromethane	0.601	0.500	0.048	1.24	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.171	0.020	0.006	0.378	0.044	0.013	
74-83-9	Bromomethane	0.008	0.020	0.008	0.031	0.078	0.031	J
75-00-3	Chloroethane	0.007	0.020	0.007	0.019	0.053	0.019	J
67-64-1	Acetone	12.4	2.00	0.739	29.5	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.227	0.050	0.008	1.28	0.281	0.045	
107-13-1	Acrylonitrile	0.016	0.500	0.015	0.035	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.531	1.00	0.250	1.84	3.47	0.869	J
76-13-1	Freon-113	0.078	0.050	0.006	0.598	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	1.18	0.500	0.025	3.48	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.017	0.020	0.006	0.083	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.018	0.020	0.008	0.073	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.065	0.020	0.007	0.355	0.109	0.038	
71-43-2	Benzene	0.315	0.100	0.021	1.01	0.319	0.067	
56-23-5	Carbon tetrachloride	0.108	0.020	0.008	0.679	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.006	0.020	0.006	0.028	0.092	0.028	J
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.293	0.020	0.007	1.57	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.103	0.500	0.042	0.422	2.05	0.172	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-13	Date Collected	: 04/04/13 15:42
Client ID	: AR9-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 20:53
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127648	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.621	0.050	0.025	2.34	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.061	0.020	0.008	0.414	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.118	0.020	0.007	0.513	0.087	0.030	
179601-23-1	p/m-Xylene	0.398	0.040	0.009	1.73	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.063	0.020	0.008	0.268	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.165	0.020	0.008	0.717	0.087	0.035	
98-82-8	Isopropylbenzene	0.052	0.500	0.046	0.256	2.46	0.226	J
622-96-8	4-Ethyltoluene	0.385	0.020	0.010	1.89	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.415	0.020	0.005	2.04	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	1.26	0.020	0.007	6.19	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	0.113	0.020	0.008	0.679	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	0.220	0.500	0.048	1.21	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.173	0.050	0.012	0.907	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-14	Date Collected	: 04/04/13 15:32
Client ID	: AR10-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 21:25
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127649	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.439	0.050	0.006	2.17	0.247	0.030	
74-87-3	Chloromethane	0.609	0.500	0.048	1.26	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.168	0.020	0.006	0.372	0.044	0.013	
74-83-9	Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J
75-00-3	Chloroethane	0.009	0.020	0.007	0.024	0.053	0.019	J
67-64-1	Acetone	10.9	2.00	0.739	25.9	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.228	0.050	0.008	1.28	0.281	0.045	
107-13-1	Acrylonitrile	0.018	0.500	0.015	0.039	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	1.93	1.00	0.250	6.70	3.47	0.869	
76-13-1	Freon-113	0.076	0.050	0.006	0.583	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	0.007	0.020	0.006	0.028	0.079	0.024	J
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	1.36	0.500	0.025	4.01	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	0.012	0.020	0.007	0.048	0.079	0.026	J
67-66-3	Chloroform	0.017	0.020	0.006	0.083	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.021	0.020	0.008	0.085	0.081	0.032	
71-55-6	1,1,1-Trichloroethane	0.073	0.020	0.007	0.398	0.109	0.038	
71-43-2	Benzene	0.470	0.100	0.021	1.50	0.319	0.067	
56-23-5	Carbon tetrachloride	0.105	0.020	0.008	0.660	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.007	0.020	0.006	0.032	0.092	0.028	J
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.469	0.020	0.007	2.52	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.095	0.500	0.042	0.389	2.05	0.172	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-14	Date Collected	: 04/04/13 15:32
Client ID	: AR10-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 21:25
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127649	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.884	0.050	0.025	3.33	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.213	0.020	0.008	1.44	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	0.009	0.020	0.008	0.041	0.092	0.037	J
100-41-4	Ethylbenzene	0.138	0.020	0.007	0.599	0.087	0.030	
179601-23-1	p/m-Xylene	0.467	0.040	0.009	2.03	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.064	0.020	0.008	0.272	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.196	0.020	0.008	0.851	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.194	0.020	0.010	0.954	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.211	0.020	0.005	1.04	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.659	0.020	0.007	3.24	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	0.128	0.020	0.008	0.770	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	0.206	0.500	0.048	1.13	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.208	0.050	0.012	1.09	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-15	Date Collected	: 04/04/13 15:52
Client ID	: AR16-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 21:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127650	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.437	0.050	0.006	2.16	0.247	0.030	
74-87-3	Chloromethane	0.585	0.500	0.048	1.21	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013	U
74-83-9	Bromomethane	0.011	0.020	0.008	0.043	0.078	0.031	J
75-00-3	Chloroethane	0.008	0.020	0.007	0.021	0.053	0.019	J
67-64-1	Acetone	4.28	2.00	0.739	10.2	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.226	0.050	0.008	1.27	0.281	0.045	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.288	1.00	0.250	1.00	3.47	0.869	J
76-13-1	Freon-113	0.073	0.050	0.006	0.560	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.165	0.500	0.025	0.487	1.47	0.073	J
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.012	0.020	0.006	0.059	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.016	0.020	0.008	0.065	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038	U
71-43-2	Benzene	0.090	0.100	0.021	0.288	0.319	0.067	J
56-23-5	Carbon tetrachloride	0.057	0.020	0.008	0.359	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.006	0.020	0.006	0.028	0.092	0.028	J
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-15	Date Collected	: 04/04/13 15:52
Client ID	: AR16-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 21:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127650	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.099	0.050	0.025	0.373	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.009	0.020	0.007	0.039	0.087	0.030	J
179601-23-1	p/m-Xylene	0.025	0.040	0.009	0.109	0.174	0.039	J
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.009	0.020	0.008	0.039	0.087	0.035	J
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	0.005	0.020	0.005	0.025	0.098	0.025	J
95-63-6	1,2,4-Trimethylbenzene	0.011	0.020	0.007	0.054	0.098	0.034	J
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	ND	0.050	0.012	ND	0.262	0.063	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-16D	Date Collected	: 04/04/13 17:22
Client ID	: SV9-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 20:49
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127673	Instrument ID	: AIRPIANO1
Sample Amount	: 75.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.510	0.167	0.020	2.52	0.826	0.099	
74-87-3	Chloromethane	0.200	1.67	0.160	0.413	3.45	0.330	J
76-14-2	Freon-114	0.017	0.167	0.017	0.117	1.17	0.117	J
75-01-4	Vinyl chloride	ND	0.067	0.023	ND	0.171	0.060	U
106-99-0	1,3-Butadiene	0.080	0.067	0.020	0.177	0.148	0.044	
74-83-9	Bromomethane	ND	0.067	0.027	ND	0.259	0.104	U
75-00-3	Chloroethane	ND	0.067	0.023	ND	0.176	0.062	U
67-64-1	Acetone	14.5	6.67	2.46	34.4	15.8	5.84	
75-69-4	Trichlorofluoromethane	0.263	0.167	0.027	1.48	0.938	0.150	
107-13-1	Acrylonitrile	0.090	1.67	0.050	0.195	3.62	0.109	J
75-35-4	1,1-Dichloroethene	ND	0.067	0.023	ND	0.264	0.092	U
75-09-2	Methylene chloride	3.28	3.33	0.833	11.4	11.6	2.89	J
76-13-1	Freon-113	1.33	0.167	0.020	10.2	1.28	0.153	
156-60-5	trans-1,2-Dichloroethene	ND	0.067	0.020	ND	0.264	0.079	U
75-34-3	1,1-Dichloroethane	ND	0.067	0.023	ND	0.270	0.094	U
1634-04-4	Methyl tert butyl ether	ND	0.067	0.013	ND	0.240	0.048	U
78-93-3	2-Butanone	12.1	1.67	0.082	35.7	4.93	0.243	
156-59-2	cis-1,2-Dichloroethene	ND	0.067	0.022	ND	0.264	0.087	U
67-66-3	Chloroform	0.643	0.067	0.020	3.14	0.326	0.098	
107-06-2	1,2-Dichloroethane	ND	0.067	0.027	ND	0.270	0.108	U
71-55-6	1,1,1-Trichloroethane	11.2	0.067	0.023	61.1	0.364	0.127	
71-43-2	Benzene	0.613	0.333	0.070	1.96	1.06	0.224	
56-23-5	Carbon tetrachloride	7.91	0.067	0.027	49.8	0.420	0.168	
78-87-5	1,2-Dichloropropane	ND	0.067	0.020	ND	0.308	0.092	U
75-27-4	Bromodichloromethane	ND	0.067	0.027	ND	0.447	0.179	U
79-01-6	Trichloroethene	0.460	0.067	0.023	2.47	0.358	0.125	
10061-01-5	cis-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121	U
108-10-1	4-Methyl-2-pentanone	2.50	1.67	0.140	10.2	6.84	0.574	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-16D	Date Collected	: 04/04/13 17:22
Client ID	: SV9-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 20:49
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127673	Instrument ID	: AIRPIANO1
Sample Amount	: 75.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121	U
79-00-5	1,1,2-Trichloroethane	ND	0.067	0.030	ND	0.364	0.164	U
108-88-3	Toluene	2.82	0.167	0.083	10.6	0.629	0.314	
124-48-1	Dibromochloromethane	ND	0.067	0.027	ND	0.568	0.227	U
106-93-4	1,2-Dibromoethane	ND	0.067	0.027	ND	0.513	0.205	U
127-18-4	Tetrachloroethene	0.060	0.067	0.027	0.407	0.452	0.181	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.067	0.013	ND	0.458	0.091	U
108-90-7	Chlorobenzene	ND	0.067	0.027	ND	0.307	0.123	U
100-41-4	Ethylbenzene	0.263	0.067	0.023	1.14	0.290	0.101	
179601-23-1	p/m-Xylene	0.883	0.133	0.030	3.84	0.578	0.130	
75-25-2	Bromoform	ND	0.067	0.050	ND	0.690	0.517	U
100-42-5	Styrene	0.060	0.067	0.027	0.255	0.284	0.114	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.067	0.023	ND	0.458	0.160	U
95-47-6	o-Xylene	0.357	0.067	0.027	1.55	0.290	0.116	
98-82-8	Isopropylbenzene	ND	1.67	0.153	ND	8.21	0.752	U
622-96-8	4-Ethyltoluene	0.253	0.067	0.033	1.24	0.328	0.161	
108-67-8	1,3,5-Trimethybenzene	0.263	0.067	0.017	1.29	0.328	0.082	
95-63-6	1,2,4-Trimethylbenzene	0.783	0.067	0.023	3.85	0.328	0.115	
541-73-1	1,3-Dichlorobenzene	2.96	0.067	0.023	17.8	0.401	0.140	
106-46-7	1,4-Dichlorobenzene	0.087	0.067	0.027	0.521	0.401	0.161	
135-98-8	sec-Butylbenzene	ND	1.67	0.157	ND	9.17	0.862	U
99-87-6	p-Isopropyltoluene	ND	1.67	0.160	ND	9.17	0.878	U
95-50-1	1,2-Dichlorobenzene	ND	0.067	0.023	ND	0.401	0.140	U
104-51-8	n-Butylbenzene	ND	1.67	0.150	ND	9.17	0.823	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.167	0.033	ND	1.24	0.247	U
91-20-3	Naphthalene	0.057	0.167	0.040	0.297	0.876	0.210	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.167	0.063	ND	1.24	0.470	U
87-68-3	Hexachlorobutadiene	ND	0.167	0.037	ND	1.78	0.391	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-17D	Date Collected	: 04/04/13 17:46
Client ID	: SV8-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 21:21
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 10
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127674	Instrument ID	: AIRPIANO1
Sample Amount	: 25.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.770	0.500	0.060	3.81	2.47	0.297	
74-87-3	Chloromethane	ND	5.00	0.480	ND	10.3	0.991	U
76-14-2	Freon-114	ND	0.500	0.050	ND	3.49	0.349	U
75-01-4	Vinyl chloride	ND	0.200	0.070	ND	0.511	0.179	U
106-99-0	1,3-Butadiene	0.120	0.200	0.060	0.265	0.442	0.133	J
74-83-9	Bromomethane	ND	0.200	0.080	ND	0.777	0.311	U
75-00-3	Chloroethane	ND	0.200	0.070	ND	0.528	0.185	U
67-64-1	Acetone	20.4	20.0	7.39	48.5	47.5	17.6	
75-69-4	Trichlorofluoromethane	0.350	0.500	0.080	1.97	2.81	0.450	J
107-13-1	Acrylonitrile	ND	5.00	0.150	ND	10.9	0.326	U
75-35-4	1,1-Dichloroethene	ND	0.200	0.070	ND	0.793	0.278	U
75-09-2	Methylene chloride	ND	10.0	2.50	ND	34.7	8.69	U
76-13-1	Freon-113	8.04	0.500	0.060	61.6	3.83	0.460	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.238	U
75-34-3	1,1-Dichloroethane	ND	0.200	0.070	ND	0.809	0.283	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.040	ND	0.721	0.144	U
78-93-3	2-Butanone	10.2	5.00	0.247	30.1	14.7	0.728	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	0.066	ND	0.793	0.262	U
67-66-3	Chloroform	9.48	0.200	0.060	46.3	0.977	0.293	
107-06-2	1,2-Dichloroethane	ND	0.200	0.080	ND	0.809	0.324	U
71-55-6	1,1,1-Trichloroethane	126	0.200	0.070	687	1.09	0.382	
71-43-2	Benzene	0.590	1.00	0.210	1.88	3.19	0.671	J
56-23-5	Carbon tetrachloride	338	0.200	0.080	2130	1.26	0.503	
78-87-5	1,2-Dichloropropane	ND	0.200	0.060	ND	0.924	0.277	U
75-27-4	Bromodichloromethane	ND	0.200	0.080	ND	1.34	0.536	U
79-01-6	Trichloroethene	0.240	0.200	0.070	1.29	1.07	0.376	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363	U
108-10-1	4-Methyl-2-pentanone	3.01	5.00	0.420	12.3	20.5	1.72	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-17D	Date Collected	: 04/04/13 17:46
Client ID	: SV8-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 21:21
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 10
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127674	Instrument ID	: AIRPIANO1
Sample Amount	: 25.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	0.090	ND	1.09	0.491	U
108-88-3	Toluene	2.23	0.500	0.250	8.40	1.88	0.942	
124-48-1	Dibromochloromethane	ND	0.200	0.080	ND	1.70	0.682	U
106-93-4	1,2-Dibromoethane	ND	0.200	0.080	ND	1.54	0.615	U
127-18-4	Tetrachloroethene	ND	0.200	0.080	ND	1.36	0.542	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.200	0.040	ND	1.37	0.275	U
108-90-7	Chlorobenzene	ND	0.200	0.080	ND	0.921	0.368	U
100-41-4	Ethylbenzene	0.310	0.200	0.070	1.35	0.869	0.304	
179601-23-1	p/m-Xylene	0.990	0.400	0.090	4.30	1.74	0.391	
75-25-2	Bromoform	ND	0.200	0.150	ND	2.07	1.55	U
100-42-5	Styrene	0.090	0.200	0.080	0.383	0.852	0.341	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	0.070	ND	1.37	0.481	U
95-47-6	o-Xylene	0.440	0.200	0.080	1.91	0.869	0.347	
98-82-8	Isopropylbenzene	ND	5.00	0.460	ND	24.6	2.26	U
622-96-8	4-Ethyltoluene	0.210	0.200	0.098	1.03	0.983	0.484	
108-67-8	1,3,5-Trimethybenzene	0.250	0.200	0.050	1.23	0.983	0.246	
95-63-6	1,2,4-Trimethylbenzene	0.780	0.200	0.070	3.83	0.983	0.344	
541-73-1	1,3-Dichlorobenzene	3.45	0.200	0.070	20.7	1.20	0.421	
106-46-7	1,4-Dichlorobenzene	0.990	0.200	0.080	5.95	1.20	0.481	
135-98-8	sec-Butylbenzene	ND	5.00	0.470	ND	27.4	2.58	U
99-87-6	p-Isopropyltoluene	ND	5.00	0.480	ND	27.4	2.63	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	0.070	ND	1.20	0.421	U
104-51-8	n-Butylbenzene	ND	5.00	0.450	ND	27.4	2.47	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.100	ND	3.71	0.742	U
91-20-3	Naphthalene	ND	0.500	0.120	ND	2.62	0.629	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	0.190	ND	3.71	1.41	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.110	ND	5.33	1.17	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-18D	Date Collected	: 04/04/13 17:18
Client ID	: SV10-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 21:53
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127675	Instrument ID	: AIRPIANO1
Sample Amount	: 75.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.457	0.167	0.020	2.26	0.826	0.099	
74-87-3	Chloromethane	0.497	1.67	0.160	1.03	3.45	0.330	J
76-14-2	Freon-114	ND	0.167	0.017	ND	1.17	0.117	U
75-01-4	Vinyl chloride	ND	0.067	0.023	ND	0.171	0.060	U
106-99-0	1,3-Butadiene	0.290	0.067	0.020	0.642	0.148	0.044	
74-83-9	Bromomethane	ND	0.067	0.027	ND	0.259	0.104	U
75-00-3	Chloroethane	0.103	0.067	0.023	0.272	0.176	0.062	
67-64-1	Acetone	33.7	6.67	2.46	80.1	15.8	5.84	
75-69-4	Trichlorofluoromethane	0.197	0.167	0.027	1.11	0.938	0.150	
107-13-1	Acrylonitrile	0.367	1.67	0.050	0.796	3.62	0.109	J
75-35-4	1,1-Dichloroethene	ND	0.067	0.023	ND	0.264	0.092	U
75-09-2	Methylene chloride	1.88	3.33	0.833	6.53	11.6	2.89	J
76-13-1	Freon-113	0.067	0.167	0.020	0.511	1.28	0.153	J
156-60-5	trans-1,2-Dichloroethene	ND	0.067	0.020	ND	0.264	0.079	U
75-34-3	1,1-Dichloroethane	ND	0.067	0.023	ND	0.270	0.094	U
1634-04-4	Methyl tert butyl ether	ND	0.067	0.013	ND	0.240	0.048	U
78-93-3	2-Butanone	11.1	1.67	0.082	32.7	4.93	0.243	
156-59-2	cis-1,2-Dichloroethene	ND	0.067	0.022	ND	0.264	0.087	U
67-66-3	Chloroform	0.667	0.067	0.020	3.26	0.326	0.098	
107-06-2	1,2-Dichloroethane	ND	0.067	0.027	ND	0.270	0.108	U
71-55-6	1,1,1-Trichloroethane	3.27	0.067	0.023	17.8	0.364	0.127	
71-43-2	Benzene	1.21	0.333	0.070	3.87	1.06	0.224	
56-23-5	Carbon tetrachloride	0.833	0.067	0.027	5.24	0.420	0.168	
78-87-5	1,2-Dichloropropane	ND	0.067	0.020	ND	0.308	0.092	U
75-27-4	Bromodichloromethane	ND	0.067	0.027	ND	0.447	0.179	U
79-01-6	Trichloroethene	4.28	0.067	0.023	23.0	0.358	0.125	
10061-01-5	cis-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121	U
108-10-1	4-Methyl-2-pentanone	2.63	1.67	0.140	10.8	6.84	0.574	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-18D	Date Collected	: 04/04/13 17:18
Client ID	: SV10-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 21:53
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127675	Instrument ID	: AIRPIANO1
Sample Amount	: 75.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.067	0.027	ND	0.303	0.121	U
79-00-5	1,1,2-Trichloroethane	ND	0.067	0.030	ND	0.364	0.164	U
108-88-3	Toluene	3.13	0.167	0.083	11.8	0.629	0.314	
124-48-1	Dibromochloromethane	ND	0.067	0.027	ND	0.568	0.227	U
106-93-4	1,2-Dibromoethane	ND	0.067	0.027	ND	0.513	0.205	U
127-18-4	Tetrachloroethene	0.167	0.067	0.027	1.13	0.452	0.181	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.067	0.013	ND	0.458	0.091	U
108-90-7	Chlorobenzene	ND	0.067	0.027	ND	0.307	0.123	U
100-41-4	Ethylbenzene	0.263	0.067	0.023	1.14	0.290	0.101	
179601-23-1	p/m-Xylene	0.890	0.133	0.030	3.87	0.578	0.130	
75-25-2	Bromoform	ND	0.067	0.050	ND	0.690	0.517	U
100-42-5	Styrene	0.053	0.067	0.027	0.227	0.284	0.114	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.067	0.023	ND	0.458	0.160	U
95-47-6	o-Xylene	0.390	0.067	0.027	1.69	0.290	0.116	
98-82-8	Isopropylbenzene	ND	1.67	0.153	ND	8.21	0.752	U
622-96-8	4-Ethyltoluene	0.157	0.067	0.033	0.772	0.328	0.161	
108-67-8	1,3,5-Trimethybenzene	0.147	0.067	0.017	0.723	0.328	0.082	
95-63-6	1,2,4-Trimethylbenzene	0.483	0.067	0.023	2.37	0.328	0.115	
541-73-1	1,3-Dichlorobenzene	3.08	0.067	0.023	18.5	0.401	0.140	
106-46-7	1,4-Dichlorobenzene	0.090	0.067	0.027	0.541	0.401	0.161	
135-98-8	sec-Butylbenzene	ND	1.67	0.157	ND	9.17	0.862	U
99-87-6	p-Isopropyltoluene	ND	1.67	0.160	ND	9.17	0.878	U
95-50-1	1,2-Dichlorobenzene	ND	0.067	0.023	ND	0.401	0.140	U
104-51-8	n-Butylbenzene	ND	1.67	0.150	ND	9.17	0.823	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.167	0.033	ND	1.24	0.247	U
91-20-3	Naphthalene	0.053	0.167	0.040	0.279	0.876	0.210	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.167	0.063	ND	1.24	0.470	U
87-68-3	Hexachlorobutadiene	ND	0.167	0.037	ND	1.78	0.391	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-19	Date Collected	: 04/05/13 15:24
Client ID	: AR17-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 22:30
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127651	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.455	0.050	0.006	2.25	0.247	0.030	
74-87-3	Chloromethane	0.581	0.500	0.048	1.20	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.013	0.020	0.006	0.029	0.044	0.013	J
74-83-9	Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J
75-00-3	Chloroethane	ND	0.020	0.007	ND	0.053	0.019	U
67-64-1	Acetone	4.63	2.00	0.739	11.0	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.230	0.050	0.008	1.29	0.281	0.045	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.256	1.00	0.250	0.889	3.47	0.869	J
76-13-1	Freon-113	0.073	0.050	0.006	0.560	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.508	0.500	0.025	1.50	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.013	0.020	0.006	0.064	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038	U
71-43-2	Benzene	0.139	0.100	0.021	0.444	0.319	0.067	
56-23-5	Carbon tetrachloride	0.057	0.020	0.008	0.359	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-19	Date Collected	: 04/05/13 15:24
Client ID	: AR17-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 22:30
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127651	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.157	0.050	0.025	0.592	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.034	0.020	0.008	0.231	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.022	0.020	0.007	0.096	0.087	0.030	
179601-23-1	p/m-Xylene	0.060	0.040	0.009	0.261	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.023	0.020	0.008	0.10	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	0.006	0.020	0.005	0.030	0.098	0.025	J
95-63-6	1,2,4-Trimethylbenzene	0.016	0.020	0.007	0.079	0.098	0.034	J
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	ND	0.050	0.012	ND	0.262	0.063	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-20	Date Collected	: 04/05/13 15:28
Client ID	: AR11-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 23:34
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127653	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.550	0.050	0.006	2.72	0.247	0.030	
74-87-3	Chloromethane	0.508	0.500	0.048	1.05	1.03	0.099	
76-14-2	Freon-114	0.014	0.050	0.005	0.098	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.018	0.020	0.006	0.040	0.044	0.013	J
74-83-9	Bromomethane	0.011	0.020	0.008	0.043	0.078	0.031	J
75-00-3	Chloroethane	0.007	0.020	0.007	0.019	0.053	0.019	J
67-64-1	Acetone	3.38	2.00	0.739	8.03	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.202	0.050	0.008	1.14	0.281	0.045	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.526	1.00	0.250	1.83	3.47	0.869	J
76-13-1	Freon-113	0.106	0.050	0.006	0.812	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.331	0.500	0.025	0.976	1.47	0.073	J
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.031	0.020	0.006	0.151	0.098	0.029	
107-06-2	1,2-Dichloroethane	0.015	0.020	0.008	0.061	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.125	0.020	0.007	0.682	0.109	0.038	
71-43-2	Benzene	0.176	0.100	0.021	0.562	0.319	0.067	
56-23-5	Carbon tetrachloride	0.612	0.020	0.008	3.85	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.007	0.020	0.006	0.032	0.092	0.028	J
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-20	Date Collected	: 04/05/13 15:28
Client ID	: AR11-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/12/13 23:34
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127653	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	0.200	0.050	0.025	0.754	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.031	0.020	0.008	0.210	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.026	0.020	0.007	0.113	0.087	0.030	
179601-23-1	p/m-Xylene	0.070	0.040	0.009	0.304	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.027	0.020	0.008	0.117	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	0.009	0.020	0.005	0.044	0.098	0.025	J
95-63-6	1,2,4-Trimethylbenzene	0.026	0.020	0.007	0.128	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.043	0.050	0.012	0.225	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-21	Date Collected	: 04/05/13 15:24
Client ID	: SV11-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 22:24
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127676	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.494	0.050	0.006	2.44	0.247	0.030	
74-87-3	Chloromethane	0.160	0.500	0.048	0.330	1.03	0.099	J
76-14-2	Freon-114	0.014	0.050	0.005	0.098	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.017	0.020	0.006	0.038	0.044	0.013	J
74-83-9	Bromomethane	ND	0.020	0.008	ND	0.078	0.031	U
75-00-3	Chloroethane	0.018	0.020	0.007	0.048	0.053	0.019	J
67-64-1	Acetone	6.49	2.00	0.739	15.4	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.204	0.050	0.008	1.15	0.281	0.045	
107-13-1	Acrylonitrile	0.039	0.500	0.015	0.085	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	2.21	1.00	0.250	7.68	3.47	0.869	
76-13-1	Freon-113	11.8	0.050	0.006	90.4	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	0.045	0.020	0.007	0.182	0.081	0.028	
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	3.70	0.500	0.025	10.9	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	3.48	0.020	0.006	17.0	0.098	0.029	
107-06-2	1,2-Dichloroethane	0.012	0.020	0.008	0.049	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	16.7	0.020	0.007	91.1	0.109	0.038	
71-43-2	Benzene	6.18	0.100	0.021	19.7	0.319	0.067	
56-23-5	Carbon tetrachloride	25.5	0.020	0.008	160	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.015	0.020	0.007	0.081	0.107	0.038	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	1.18	0.500	0.042	4.84	2.05	0.172	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-21	Date Collected	: 04/05/13 15:24
Client ID	: SV11-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 22:24
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127676	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	3.92	0.050	0.025	14.8	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.043	0.020	0.008	0.292	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	1.44	0.020	0.007	6.25	0.087	0.030	
179601-23-1	p/m-Xylene	0.864	0.040	0.009	3.75	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.027	0.020	0.008	0.115	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.374	0.020	0.008	1.62	0.087	0.035	
98-82-8	Isopropylbenzene	0.123	0.500	0.046	0.605	2.46	0.226	J
622-96-8	4-Ethyltoluene	0.267	0.020	0.010	1.31	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.228	0.020	0.005	1.12	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.427	0.020	0.007	2.10	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	0.622	0.020	0.007	3.74	0.120	0.042	
106-46-7	1,4-Dichlorobenzene	0.021	0.020	0.008	0.126	0.120	0.048	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.632	0.050	0.012	3.31	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-22D	Date Collected	: 04/05/13 15:32
Client ID	: SV12-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 22:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 5
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127677	Instrument ID	: AIRPIANO1
Sample Amount	: 50.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.560	0.250	0.030	2.77	1.24	0.148	
74-87-3	Chloromethane	0.460	2.50	0.240	0.950	5.16	0.496	J
76-14-2	Freon-114	0.035	0.250	0.025	0.245	1.75	0.175	J
75-01-4	Vinyl chloride	ND	0.100	0.035	ND	0.256	0.090	U
106-99-0	1,3-Butadiene	0.040	0.100	0.030	0.089	0.221	0.066	J
74-83-9	Bromomethane	ND	0.100	0.040	ND	0.388	0.155	U
75-00-3	Chloroethane	0.060	0.100	0.035	0.158	0.264	0.092	J
67-64-1	Acetone	9.95	10.0	3.70	23.6	23.8	8.79	J
75-69-4	Trichlorofluoromethane	0.245	0.250	0.040	1.38	1.40	0.225	J
107-13-1	Acrylonitrile	ND	2.50	0.075	ND	5.43	0.163	U
75-35-4	1,1-Dichloroethene	ND	0.100	0.035	ND	0.396	0.139	U
75-09-2	Methylene chloride	2.60	5.00	1.25	9.03	17.4	4.34	J
76-13-1	Freon-113	0.195	0.250	0.030	1.49	1.92	0.230	J
156-60-5	trans-1,2-Dichloroethene	ND	0.100	0.030	ND	0.396	0.119	U
75-34-3	1,1-Dichloroethane	ND	0.100	0.035	ND	0.405	0.142	U
1634-04-4	Methyl tert butyl ether	0.025	0.100	0.020	0.090	0.361	0.072	J
78-93-3	2-Butanone	1.39	2.50	0.124	4.10	7.37	0.366	J
156-59-2	cis-1,2-Dichloroethene	ND	0.100	0.033	ND	0.396	0.131	U
67-66-3	Chloroform	0.270	0.100	0.030	1.32	0.488	0.147	
107-06-2	1,2-Dichloroethane	ND	0.100	0.040	ND	0.405	0.162	U
71-55-6	1,1,1-Trichloroethane	12.7	0.100	0.035	69.3	0.546	0.191	
71-43-2	Benzene	0.240	0.500	0.105	0.767	1.60	0.335	J
56-23-5	Carbon tetrachloride	87.5	0.100	0.040	550	0.629	0.252	
78-87-5	1,2-Dichloropropane	ND	0.100	0.030	ND	0.462	0.139	U
75-27-4	Bromodichloromethane	ND	0.100	0.040	ND	0.670	0.268	U
79-01-6	Trichloroethene	0.055	0.100	0.035	0.296	0.537	0.188	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.100	0.040	ND	0.454	0.182	U
108-10-1	4-Methyl-2-pentanone	ND	2.50	0.210	ND	10.2	0.861	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-22D	Date Collected	: 04/05/13 15:32
Client ID	: SV12-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 22:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 5
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127677	Instrument ID	: AIRPIANO1
Sample Amount	: 50.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.100	0.040	ND	0.454	0.182	U
79-00-5	1,1,2-Trichloroethane	ND	0.100	0.045	ND	0.546	0.246	U
108-88-3	Toluene	1.24	0.250	0.125	4.67	0.942	0.471	
124-48-1	Dibromochloromethane	ND	0.100	0.040	ND	0.852	0.341	U
106-93-4	1,2-Dibromoethane	ND	0.100	0.040	ND	0.769	0.307	U
127-18-4	Tetrachloroethene	ND	0.100	0.040	ND	0.678	0.271	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.100	0.020	ND	0.687	0.137	U
108-90-7	Chlorobenzene	ND	0.100	0.040	ND	0.461	0.184	U
100-41-4	Ethylbenzene	0.195	0.100	0.035	0.847	0.434	0.152	
179601-23-1	p/m-Xylene	0.890	0.200	0.045	3.87	0.869	0.195	
75-25-2	Bromoform	ND	0.100	0.075	ND	1.03	0.775	U
100-42-5	Styrene	ND	0.100	0.040	ND	0.426	0.170	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.100	0.035	ND	0.687	0.240	U
95-47-6	o-Xylene	2.64	0.100	0.040	11.5	0.434	0.174	
98-82-8	Isopropylbenzene	4.32	2.50	0.230	21.2	12.3	1.13	
622-96-8	4-Ethyltoluene	12.5	0.100	0.049	61.5	0.492	0.242	
108-67-8	1,3,5-Trimethybenzene	10.4	0.100	0.025	51.1	0.492	0.123	
95-63-6	1,2,4-Trimethylbenzene	10.5	0.100	0.035	51.6	0.492	0.172	
541-73-1	1,3-Dichlorobenzene	0.225	0.100	0.035	1.35	0.601	0.210	
106-46-7	1,4-Dichlorobenzene	0.045	0.100	0.040	0.271	0.601	0.240	J
135-98-8	sec-Butylbenzene	0.265	2.50	0.235	1.45	13.7	1.29	J
99-87-6	p-Isopropyltoluene	ND	2.50	0.240	ND	13.7	1.32	U
95-50-1	1,2-Dichlorobenzene	ND	0.100	0.035	ND	0.601	0.210	U
104-51-8	n-Butylbenzene	ND	2.50	0.225	ND	13.7	1.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.250	0.050	ND	1.86	0.371	U
91-20-3	Naphthalene	0.090	0.250	0.060	0.472	1.31	0.315	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.250	0.095	ND	1.86	0.705	U
87-68-3	Hexachlorobutadiene	ND	0.250	0.055	ND	2.67	0.587	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-23	Date Collected	: 04/05/13 16:15
Client ID	: SV14-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 23:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127678	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.434	0.050	0.006	2.15	0.247	0.030	
74-87-3	Chloromethane	0.582	0.500	0.048	1.20	1.03	0.099	
76-14-2	Freon-114	0.014	0.050	0.005	0.098	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.120	0.020	0.006	0.265	0.044	0.013	
74-83-9	Bromomethane	0.009	0.020	0.008	0.035	0.078	0.031	J
75-00-3	Chloroethane	0.066	0.020	0.007	0.174	0.053	0.019	
67-64-1	Acetone	27.7	2.00	0.739	65.8	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.206	0.050	0.008	1.16	0.281	0.045	
107-13-1	Acrylonitrile	0.127	0.500	0.015	0.276	1.09	0.033	J
75-35-4	1,1-Dichloroethene	0.007	0.020	0.007	0.028	0.079	0.028	J
75-09-2	Methylene chloride	9.79	1.00	0.250	34.0	3.47	0.869	
76-13-1	Freon-113	0.066	0.050	0.006	0.506	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	3.94	0.500	0.025	11.6	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.044	0.020	0.006	0.215	0.098	0.029	
107-06-2	1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.069	0.020	0.007	0.376	0.109	0.038	
71-43-2	Benzene	0.594	0.100	0.021	1.90	0.319	0.067	
56-23-5	Carbon tetrachloride	0.200	0.020	0.008	1.26	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	5.09	0.020	0.007	27.4	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.859	0.500	0.042	3.52	2.05	0.172	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-23	Date Collected	: 04/05/13 16:15
Client ID	: SV14-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/15/13 23:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127678	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	14.1	0.050	0.025	53.1	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.083	0.020	0.008	0.563	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.140	0.020	0.007	0.608	0.087	0.030	
179601-23-1	p/m-Xylene	0.494	0.040	0.009	2.15	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.035	0.020	0.008	0.149	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.470	0.020	0.008	2.04	0.087	0.035	
98-82-8	Isopropylbenzene	0.489	0.500	0.046	2.40	2.46	0.226	J
622-96-8	4-Ethyltoluene	2.89	0.020	0.010	14.2	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	2.30	0.020	0.005	11.3	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	3.90	0.020	0.007	19.2	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	0.375	0.020	0.007	2.25	0.120	0.042	
106-46-7	1,4-Dichlorobenzene	0.059	0.020	0.008	0.355	0.120	0.048	
135-98-8	sec-Butylbenzene	0.053	0.500	0.047	0.291	2.74	0.258	J
99-87-6	p-Isopropyltoluene	0.082	0.500	0.048	0.450	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.064	0.050	0.012	0.336	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-24	Date Collected	: 04/05/13 15:48
Client ID	: AR14-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/13/13 00:06
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127654	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.454	0.050	0.006	2.24	0.247	0.030	
74-87-3	Chloromethane	0.572	0.500	0.048	1.18	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.054	0.020	0.006	0.119	0.044	0.013	
74-83-9	Bromomethane	0.010	0.020	0.008	0.039	0.078	0.031	J
75-00-3	Chloroethane	0.008	0.020	0.007	0.021	0.053	0.019	J
67-64-1	Acetone	21.2	2.00	0.739	50.4	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.233	0.050	0.008	1.31	0.281	0.045	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.402	1.00	0.250	1.40	3.47	0.869	J
76-13-1	Freon-113	0.073	0.050	0.006	0.560	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	0.745	0.500	0.025	2.20	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.017	0.020	0.006	0.083	0.098	0.029	J
107-06-2	1,2-Dichloroethane	0.017	0.020	0.008	0.069	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.014	0.020	0.007	0.076	0.109	0.038	J
71-43-2	Benzene	0.184	0.100	0.021	0.588	0.319	0.067	
56-23-5	Carbon tetrachloride	0.072	0.020	0.008	0.453	0.126	0.050	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	0.114	0.020	0.007	0.613	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	0.424	0.500	0.042	1.74	2.05	0.172	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-24	Date Collected	: 04/05/13 15:48
Client ID	: AR14-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/13/13 00:06
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127654	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	20.4	0.050	0.025	76.9	0.188	0.094	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.028	0.020	0.008	0.190	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.067	0.020	0.007	0.291	0.087	0.030	
179601-23-1	p/m-Xylene	0.220	0.040	0.009	0.956	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.015	0.020	0.008	0.064	0.085	0.034	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	0.070	0.020	0.008	0.304	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.023	0.020	0.010	0.113	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.024	0.020	0.005	0.118	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.087	0.020	0.007	0.428	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.033	0.050	0.012	0.173	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-25	Date Collected	: 04/05/13 15:44
Client ID	: AR15-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/13/13 00:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127655	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.433	0.050	0.006	2.14	0.247	0.030	
74-87-3	Chloromethane	0.696	0.500	0.048	1.44	1.03	0.099	
76-14-2	Freon-114	0.013	0.050	0.005	0.091	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.115	0.020	0.006	0.254	0.044	0.013	
74-83-9	Bromomethane	0.008	0.020	0.008	0.031	0.078	0.031	J
75-00-3	Chloroethane	0.016	0.020	0.007	0.042	0.053	0.019	J
67-64-1	Acetone	130	2.00	0.739	309	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.243	0.050	0.008	1.37	0.281	0.045	
107-13-1	Acrylonitrile	0.033	0.500	0.015	0.072	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.805	1.00	0.250	2.80	3.47	0.869	J
76-13-1	Freon-113	0.064	0.050	0.006	0.491	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	1.26	0.500	0.025	3.72	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.054	0.020	0.006	0.264	0.098	0.029	
107-06-2	1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.032	J
71-55-6	1,1,1-Trichloroethane	0.013	0.020	0.007	0.071	0.109	0.038	J
71-43-2	Benzene	0.282	0.100	0.021	0.901	0.319	0.067	
56-23-5	Carbon tetrachloride	0.094	0.020	0.008	0.591	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.010	0.020	0.006	0.046	0.092	0.028	J
75-27-4	Bromodichloromethane	0.012	0.020	0.008	0.080	0.134	0.054	J
79-01-6	Trichloroethene	0.113	0.020	0.007	0.607	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	1.27	0.500	0.042	5.20	2.05	0.172	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-25	Date Collected	: 04/05/13 15:44
Client ID	: AR15-3-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/13/13 00:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127655	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	127	0.050	0.025	479E	0.188	0.094	E
124-48-1	Dibromochloromethane	0.011	0.020	0.008	0.094	0.170	0.068	J
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.039	0.020	0.008	0.264	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.195	0.020	0.007	0.847	0.087	0.030	
179601-23-1	p/m-Xylene	0.652	0.040	0.009	2.83	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.195	0.020	0.008	0.830	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	0.018	0.020	0.007	0.124	0.137	0.048	J
95-47-6	o-Xylene	0.244	0.020	0.008	1.06	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.131	0.020	0.010	0.644	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.146	0.020	0.005	0.718	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.531	0.020	0.007	2.61	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	0.284	0.500	0.048	1.56	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.070	0.050	0.012	0.367	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	:	Stone Environmental	Lab Number	:	L1306330
Project Name	:	SCOTIA NAVAL DEPOT	Project Number	:	102305-R-07
Lab ID	:	L1306330-25D	Date Collected	:	04/05/13 15:44
Client ID	:	AR15-3-A	Date Received	:	04/11/13
Sample Location	:	SCOTIA, NY	Date Analyzed	:	04/13/13 07:03
Sample Matrix	:	AIR	Dilution Factor	:	5
Analytical Method	:	48,TO-15-SIM	Analyst	:	RY
Lab File ID	:	R127658	Instrument ID	:	AIRPIANO1
Sample Amount	:	50.0 ml	GC Column	:	RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
108-88-3	Toluene	139	0.250	0.125	524	0.942	0.471	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-26	Date Collected	: 04/05/13 15:44
Client ID	: AR15-3-A-D	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/13/13 01:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127656	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.476	0.050	0.006	2.35	0.247	0.030	
74-87-3	Chloromethane	0.813	0.500	0.048	1.68	1.03	0.099	
76-14-2	Freon-114	0.015	0.050	0.005	0.105	0.349	0.035	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	0.134	0.020	0.006	0.296	0.044	0.013	
74-83-9	Bromomethane	0.012	0.020	0.008	0.047	0.078	0.031	J
75-00-3	Chloroethane	0.018	0.020	0.007	0.048	0.053	0.019	J
67-64-1	Acetone	154	2.00	0.739	366	4.75	1.76	
75-69-4	Trichlorofluoromethane	0.278	0.050	0.008	1.56	0.281	0.045	
107-13-1	Acrylonitrile	0.039	0.500	0.015	0.085	1.09	0.033	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	0.519	1.00	0.250	1.80	3.47	0.869	J
76-13-1	Freon-113	0.073	0.050	0.006	0.560	0.383	0.046	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	1.50	0.500	0.025	4.42	1.47	0.073	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	0.115	0.020	0.006	0.562	0.098	0.029	
107-06-2	1,2-Dichloroethane	0.021	0.020	0.008	0.085	0.081	0.032	
71-55-6	1,1,1-Trichloroethane	0.013	0.020	0.007	0.071	0.109	0.038	J
71-43-2	Benzene	0.278	0.100	0.021	0.888	0.319	0.067	
56-23-5	Carbon tetrachloride	0.094	0.020	0.008	0.591	0.126	0.050	
78-87-5	1,2-Dichloropropane	0.009	0.020	0.006	0.042	0.092	0.028	J
75-27-4	Bromodichloromethane	0.013	0.020	0.008	0.087	0.134	0.054	J
79-01-6	Trichloroethene	0.113	0.020	0.007	0.607	0.107	0.038	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	1.18	0.500	0.042	4.84	2.05	0.172	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-26	Date Collected	: 04/05/13 15:44
Client ID	: AR15-3-A-D	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/13/13 01:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127656	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	126	0.050	0.025	475E	0.188	0.094	E
124-48-1	Dibromochloromethane	0.011	0.020	0.008	0.094	0.170	0.068	J
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	0.040	0.020	0.008	0.271	0.136	0.054	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	0.194	0.020	0.007	0.843	0.087	0.030	
179601-23-1	p/m-Xylene	0.651	0.040	0.009	2.83	0.174	0.039	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	0.194	0.020	0.008	0.826	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	0.017	0.020	0.007	0.117	0.137	0.048	J
95-47-6	o-Xylene	0.241	0.020	0.008	1.05	0.087	0.035	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	0.130	0.020	0.010	0.639	0.098	0.048	
108-67-8	1,3,5-Trimethybenzene	0.144	0.020	0.005	0.708	0.098	0.025	
95-63-6	1,2,4-Trimethylbenzene	0.527	0.020	0.007	2.59	0.098	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	0.271	0.500	0.048	1.49	2.74	0.263	J
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	0.067	0.050	0.012	0.351	0.262	0.063	
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	:	Stone Environmental	Lab Number	:	L1306330
Project Name	:	SCOTIA NAVAL DEPOT	Project Number	:	102305-R-07
Lab ID	:	L1306330-26D	Date Collected	:	04/05/13 15:44
Client ID	:	AR15-3-A-D	Date Received	:	04/11/13
Sample Location	:	SCOTIA, NY	Date Analyzed	:	04/13/13 06:31
Sample Matrix	:	AIR	Dilution Factor	:	5
Analytical Method	:	48,TO-15-SIM	Analyst	:	RY
Lab File ID	:	R127657	Instrument ID	:	AIRPIANO1
Sample Amount	:	50.0 ml	GC Column	:	RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
108-88-3	Toluene	137	0.250	0.125	516	0.942	0.471	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-27D	Date Collected	: 04/05/13 16:10
Client ID	: SV13-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/16/13 00:00
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 10
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127679	Instrument ID	: AIRPIANO1
Sample Amount	: 25.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.560	0.500	0.060	2.77	2.47	0.297	
74-87-3	Chloromethane	ND	5.00	0.480	ND	10.3	0.991	U
76-14-2	Freon-114	ND	0.500	0.050	ND	3.49	0.349	U
75-01-4	Vinyl chloride	ND	0.200	0.070	ND	0.511	0.179	U
106-99-0	1,3-Butadiene	ND	0.200	0.060	ND	0.442	0.133	U
74-83-9	Bromomethane	ND	0.200	0.080	ND	0.777	0.311	U
75-00-3	Chloroethane	ND	0.200	0.070	ND	0.528	0.185	U
67-64-1	Acetone	25.4	20.0	7.39	60.3	47.5	17.6	
75-69-4	Trichlorofluoromethane	0.490	0.500	0.080	2.75	2.81	0.450	J
107-13-1	Acrylonitrile	ND	5.00	0.150	ND	10.9	0.326	U
75-35-4	1,1-Dichloroethene	ND	0.200	0.070	ND	0.793	0.278	U
75-09-2	Methylene chloride	3.54	10.0	2.50	12.3	34.7	8.69	J
76-13-1	Freon-113	0.210	0.500	0.060	1.61	3.83	0.460	J
156-60-5	trans-1,2-Dichloroethene	0.350	0.200	0.060	1.39	0.793	0.238	
75-34-3	1,1-Dichloroethane	ND	0.200	0.070	ND	0.809	0.283	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.040	ND	0.721	0.144	U
78-93-3	2-Butanone	5.26	5.00	0.247	15.5	14.7	0.728	
156-59-2	cis-1,2-Dichloroethene	0.240	0.200	0.066	0.952	0.793	0.262	
67-66-3	Chloroform	9.70	0.200	0.060	47.4	0.977	0.293	
107-06-2	1,2-Dichloroethane	ND	0.200	0.080	ND	0.809	0.324	U
71-55-6	1,1,1-Trichloroethane	1.68	0.200	0.070	9.17	1.09	0.382	
71-43-2	Benzene	0.230	1.00	0.210	0.735	3.19	0.671	J
56-23-5	Carbon tetrachloride	140	0.200	0.080	881	1.26	0.503	
78-87-5	1,2-Dichloropropane	ND	0.200	0.060	ND	0.924	0.277	U
75-27-4	Bromodichloromethane	ND	0.200	0.080	ND	1.34	0.536	U
79-01-6	Trichloroethene	245	0.200	0.070	1320	1.07	0.376	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363	U
108-10-1	4-Methyl-2-pentanone	1.95	5.00	0.420	7.99	20.5	1.72	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-27D	Date Collected	: 04/05/13 16:10
Client ID	: SV13-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/16/13 00:00
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 10
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127679	Instrument ID	: AIRPIANO1
Sample Amount	: 25.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	0.080	ND	0.908	0.363	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	0.090	ND	1.09	0.491	U
108-88-3	Toluene	212	0.500	0.250	799	1.88	0.942	
124-48-1	Dibromochloromethane	ND	0.200	0.080	ND	1.70	0.682	U
106-93-4	1,2-Dibromoethane	ND	0.200	0.080	ND	1.54	0.615	U
127-18-4	Tetrachloroethene	0.270	0.200	0.080	1.83	1.36	0.542	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.200	0.040	ND	1.37	0.275	U
108-90-7	Chlorobenzene	ND	0.200	0.080	ND	0.921	0.368	U
100-41-4	Ethylbenzene	0.250	0.200	0.070	1.09	0.869	0.304	
179601-23-1	p/m-Xylene	0.880	0.400	0.090	3.82	1.74	0.391	
75-25-2	Bromoform	ND	0.200	0.150	ND	2.07	1.55	U
100-42-5	Styrene	0.270	0.200	0.080	1.15	0.852	0.341	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	0.070	ND	1.37	0.481	U
95-47-6	o-Xylene	0.380	0.200	0.080	1.65	0.869	0.347	
98-82-8	Isopropylbenzene	ND	5.00	0.460	ND	24.6	2.26	U
622-96-8	4-Ethyltoluene	0.230	0.200	0.098	1.13	0.983	0.484	
108-67-8	1,3,5-Trimethybenzene	0.240	0.200	0.050	1.18	0.983	0.246	
95-63-6	1,2,4-Trimethylbenzene	0.720	0.200	0.070	3.54	0.983	0.344	
541-73-1	1,3-Dichlorobenzene	0.920	0.200	0.070	5.53	1.20	0.421	
106-46-7	1,4-Dichlorobenzene	ND	0.200	0.080	ND	1.20	0.481	U
135-98-8	sec-Butylbenzene	ND	5.00	0.470	ND	27.4	2.58	U
99-87-6	p-Isopropyltoluene	ND	5.00	0.480	ND	27.4	2.63	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	0.070	ND	1.20	0.421	U
104-51-8	n-Butylbenzene	ND	5.00	0.450	ND	27.4	2.47	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.100	ND	3.71	0.742	U
91-20-3	Naphthalene	ND	0.500	0.120	ND	2.62	0.629	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	0.190	ND	3.71	1.41	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.110	ND	5.33	1.17	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-28D	Date Collected	: 04/05/13 16:05
Client ID	: SV15-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/16/13 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127680	Instrument ID	: AIRPIANO1
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.460	0.063	0.008	2.27	0.309	0.037	
74-87-3	Chloromethane	0.140	0.625	0.060	0.289	1.29	0.124	J
76-14-2	Freon-114	0.016	0.063	0.006	0.113	0.437	0.044	J
75-01-4	Vinyl chloride	ND	0.025	0.009	ND	0.064	0.022	U
106-99-0	1,3-Butadiene	0.090	0.025	0.008	0.199	0.055	0.017	
74-83-9	Bromomethane	ND	0.025	0.010	ND	0.097	0.039	U
75-00-3	Chloroethane	ND	0.025	0.009	ND	0.066	0.023	U
67-64-1	Acetone	14.6	2.50	0.924	34.7	5.94	2.19	
75-69-4	Trichlorofluoromethane	0.242	0.063	0.010	1.36	0.351	0.056	
107-13-1	Acrylonitrile	ND	0.625	0.019	ND	1.36	0.041	U
75-35-4	1,1-Dichloroethene	ND	0.025	0.009	ND	0.099	0.035	U
75-09-2	Methylene chloride	0.479	1.25	0.312	1.66	4.34	1.08	J
76-13-1	Freon-113	0.079	0.063	0.008	0.604	0.479	0.058	
156-60-5	trans-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.030	U
75-34-3	1,1-Dichloroethane	0.061	0.025	0.009	0.248	0.101	0.035	
1634-04-4	Methyl tert butyl ether	ND	0.025	0.005	ND	0.090	0.018	U
78-93-3	2-Butanone	5.98	0.625	0.031	17.6	1.84	0.091	
156-59-2	cis-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.033	U
67-66-3	Chloroform	0.040	0.025	0.008	0.195	0.122	0.037	
107-06-2	1,2-Dichloroethane	0.013	0.025	0.010	0.051	0.101	0.041	J
71-55-6	1,1,1-Trichloroethane	0.029	0.025	0.009	0.157	0.136	0.048	
71-43-2	Benzene	0.164	0.125	0.026	0.524	0.399	0.084	
56-23-5	Carbon tetrachloride	0.358	0.025	0.010	2.25	0.157	0.063	
78-87-5	1,2-Dichloropropane	ND	0.025	0.008	ND	0.116	0.035	U
75-27-4	Bromodichloromethane	ND	0.025	0.010	ND	0.167	0.067	U
79-01-6	Trichloroethene	0.064	0.025	0.009	0.343	0.134	0.047	
10061-01-5	cis-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045	U
108-10-1	4-Methyl-2-pentanone	2.18	0.625	0.053	8.93	2.56	0.215	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-28D	Date Collected	: 04/05/13 16:05
Client ID	: SV15-1-A	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/16/13 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127680	Instrument ID	: AIRPIANO1
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045	U
79-00-5	1,1,2-Trichloroethane	ND	0.025	0.011	ND	0.136	0.061	U
108-88-3	Toluene	54.4	0.063	0.031	205	0.236	0.118	
124-48-1	Dibromochloromethane	ND	0.025	0.010	ND	0.213	0.085	U
106-93-4	1,2-Dibromoethane	ND	0.025	0.010	ND	0.192	0.077	U
127-18-4	Tetrachloroethene	0.034	0.025	0.010	0.229	0.170	0.068	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.025	0.005	ND	0.172	0.034	U
108-90-7	Chlorobenzene	ND	0.025	0.010	ND	0.115	0.046	U
100-41-4	Ethylbenzene	0.189	0.025	0.009	0.821	0.109	0.038	
179601-23-1	p/m-Xylene	0.664	0.050	0.011	2.88	0.217	0.049	
75-25-2	Bromoform	ND	0.025	0.019	ND	0.258	0.194	U
100-42-5	Styrene	0.351	0.025	0.010	1.49	0.106	0.043	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.025	0.009	ND	0.172	0.060	U
95-47-6	o-Xylene	0.288	0.025	0.010	1.25	0.109	0.043	
98-82-8	Isopropylbenzene	ND	0.625	0.058	ND	3.07	0.283	U
622-96-8	4-Ethyltoluene	0.135	0.025	0.012	0.664	0.123	0.061	
108-67-8	1,3,5-Trimethybenzene	0.154	0.025	0.006	0.757	0.123	0.031	
95-63-6	1,2,4-Trimethylbenzene	0.518	0.025	0.009	2.55	0.123	0.043	
541-73-1	1,3-Dichlorobenzene	1.44	0.025	0.009	8.66	0.150	0.053	
106-46-7	1,4-Dichlorobenzene	0.055	0.025	0.010	0.331	0.150	0.060	
135-98-8	sec-Butylbenzene	ND	0.625	0.059	ND	3.43	0.323	U
99-87-6	p-Isopropyltoluene	0.085	0.625	0.060	0.467	3.43	0.329	J
95-50-1	1,2-Dichlorobenzene	ND	0.025	0.009	ND	0.150	0.053	U
104-51-8	n-Butylbenzene	ND	0.625	0.056	ND	3.43	0.308	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.063	0.013	ND	0.464	0.093	U
91-20-3	Naphthalene	0.074	0.063	0.015	0.387	0.328	0.079	
87-61-6	1,2,3-Trichlorobenzene	ND	0.063	0.024	ND	0.464	0.177	U
87-68-3	Hexachlorobutadiene	ND	0.063	0.014	ND	0.667	0.147	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-29D	Date Collected	: 04/05/13 16:05
Client ID	: SV15-1-A-D	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/16/13 01:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127681	Instrument ID	: AIRPIANO1
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.440	0.063	0.008	2.18	0.309	0.037	
74-87-3	Chloromethane	0.198	0.625	0.060	0.409	1.29	0.124	J
76-14-2	Freon-114	0.014	0.063	0.006	0.097	0.437	0.044	J
75-01-4	Vinyl chloride	ND	0.025	0.009	ND	0.064	0.022	U
106-99-0	1,3-Butadiene	0.068	0.025	0.008	0.149	0.055	0.017	
74-83-9	Bromomethane	ND	0.025	0.010	ND	0.097	0.039	U
75-00-3	Chloroethane	ND	0.025	0.009	ND	0.066	0.023	U
67-64-1	Acetone	11.7	2.50	0.924	27.8	5.94	2.19	
75-69-4	Trichlorofluoromethane	0.210	0.063	0.010	1.18	0.351	0.056	
107-13-1	Acrylonitrile	ND	0.625	0.019	ND	1.36	0.041	U
75-35-4	1,1-Dichloroethene	ND	0.025	0.009	ND	0.099	0.035	U
75-09-2	Methylene chloride	0.781	1.25	0.312	2.71	4.34	1.08	J
76-13-1	Freon-113	0.068	0.063	0.008	0.517	0.479	0.058	
156-60-5	trans-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.030	U
75-34-3	1,1-Dichloroethane	ND	0.025	0.009	ND	0.101	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.025	0.005	ND	0.090	0.018	U
78-93-3	2-Butanone	4.74	0.625	0.031	14.0	1.84	0.091	
156-59-2	cis-1,2-Dichloroethene	ND	0.025	0.008	ND	0.099	0.033	U
67-66-3	Chloroform	0.040	0.025	0.008	0.195	0.122	0.037	
107-06-2	1,2-Dichloroethane	0.014	0.025	0.010	0.056	0.101	0.041	J
71-55-6	1,1,1-Trichloroethane	0.029	0.025	0.009	0.157	0.136	0.048	
71-43-2	Benzene	0.159	0.125	0.026	0.508	0.399	0.084	
56-23-5	Carbon tetrachloride	0.319	0.025	0.010	2.01	0.157	0.063	
78-87-5	1,2-Dichloropropane	ND	0.025	0.008	ND	0.116	0.035	U
75-27-4	Bromodichloromethane	ND	0.025	0.010	ND	0.167	0.067	U
79-01-6	Trichloroethene	0.059	0.025	0.009	0.316	0.134	0.047	
10061-01-5	cis-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045	U
108-10-1	4-Methyl-2-pentanone	1.86	0.625	0.053	7.62	2.56	0.215	

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: L1306330-29D	Date Collected	: 04/05/13 16:05
Client ID	: SV15-1-A-D	Date Received	: 04/11/13
Sample Location	: SCOTIA, NY	Date Analyzed	: 04/16/13 01:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127681	Instrument ID	: AIRPIANO1
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.025	0.010	ND	0.113	0.045	U
79-00-5	1,1,2-Trichloroethane	ND	0.025	0.011	ND	0.136	0.061	U
108-88-3	Toluene	50.5	0.063	0.031	190	0.236	0.118	
124-48-1	Dibromochloromethane	ND	0.025	0.010	ND	0.213	0.085	U
106-93-4	1,2-Dibromoethane	ND	0.025	0.010	ND	0.192	0.077	U
127-18-4	Tetrachloroethene	0.033	0.025	0.010	0.220	0.170	0.068	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.025	0.005	ND	0.172	0.034	U
108-90-7	Chlorobenzene	ND	0.025	0.010	ND	0.115	0.046	U
100-41-4	Ethylbenzene	0.170	0.025	0.009	0.738	0.109	0.038	
179601-23-1	p/m-Xylene	0.591	0.050	0.011	2.57	0.217	0.049	
75-25-2	Bromoform	ND	0.025	0.019	ND	0.258	0.194	U
100-42-5	Styrene	0.322	0.025	0.010	1.37	0.106	0.043	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.025	0.009	ND	0.172	0.060	U
95-47-6	o-Xylene	0.260	0.025	0.010	1.13	0.109	0.043	
98-82-8	Isopropylbenzene	ND	0.625	0.058	ND	3.07	0.283	U
622-96-8	4-Ethyltoluene	0.116	0.025	0.012	0.570	0.123	0.061	
108-67-8	1,3,5-Trimethybenzene	0.134	0.025	0.006	0.659	0.123	0.031	
95-63-6	1,2,4-Trimethylbenzene	0.440	0.025	0.009	2.16	0.123	0.043	
541-73-1	1,3-Dichlorobenzene	0.830	0.025	0.009	4.99	0.150	0.053	
106-46-7	1,4-Dichlorobenzene	0.040	0.025	0.010	0.240	0.150	0.060	
135-98-8	sec-Butylbenzene	ND	0.625	0.059	ND	3.43	0.323	U
99-87-6	p-Isopropyltoluene	0.076	0.625	0.060	0.418	3.43	0.329	J
95-50-1	1,2-Dichlorobenzene	ND	0.025	0.009	ND	0.150	0.053	U
104-51-8	n-Butylbenzene	ND	0.625	0.056	ND	3.43	0.308	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.063	0.013	ND	0.464	0.093	U
91-20-3	Naphthalene	0.069	0.063	0.015	0.361	0.328	0.079	
87-61-6	1,2,3-Trichlorobenzene	ND	0.063	0.024	ND	0.464	0.177	U
87-68-3	Hexachlorobutadiene	ND	0.063	0.014	ND	0.667	0.147	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601403-4	Date Collected	: NA
Client ID	: WG601403-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/12/13 15:45
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127640	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030	U
74-87-3	Chloromethane	ND	0.500	0.048	ND	1.03	0.099	U
76-14-2	Freon-114	ND	0.050	0.005	ND	0.349	0.035	U
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013	U
74-83-9	Bromomethane	ND	0.020	0.008	ND	0.078	0.031	U
75-00-3	Chloroethane	ND	0.020	0.007	ND	0.053	0.019	U
67-64-1	Acetone	ND	2.00	0.739	ND	4.75	1.76	U
75-69-4	Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045	U
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	ND	1.00	0.250	ND	3.47	0.869	U
76-13-1	Freon-113	ND	0.050	0.006	ND	0.383	0.046	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	ND	0.500	0.025	ND	1.47	0.073	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	ND	0.020	0.006	ND	0.098	0.029	U
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038	U
71-43-2	Benzene	ND	0.100	0.021	ND	0.319	0.067	U
56-23-5	Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050	U
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601403-4	Date Collected	: NA
Client ID	: WG601403-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/12/13 15:45
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127640	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	ND	0.050	0.025	ND	0.188	0.094	U
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030	U
179601-23-1	p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039	U
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	ND	0.020	0.008	ND	0.087	0.035	U
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074	U
91-20-3	Naphthalene	ND	0.050	0.012	ND	0.262	0.063	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601403-5	Date Collected	: 04/05/13 15:24
Client ID	: AR17-3-ADUP	Date Received	: 04/11/13
Sample Location	:	Date Analyzed	: 04/12/13 23:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127652	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.418	0.050	0.006	2.07	0.247	.05	
74-87-3	Chloromethane	0.508	0.500	0.048	1.05	1.03	.5	
76-14-2	Freon-114	0.013	0.050	0.005	0.091	0.349	.05	J
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	.02	U
106-99-0	1,3-Butadiene	0.011	0.020	0.006	0.024	0.044	.02	J
74-83-9	Bromomethane	0.008	0.020	0.008	0.031	0.078	.02	J
75-00-3	Chloroethane	ND	0.020	0.007	ND	0.053	.02	U
67-64-1	Acetone	4.07	2.00	0.739	9.67	4.75	2	
75-69-4	Trichlorofluoromethane	0.200	0.050	0.008	1.12	0.281	.05	
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	.5	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	.02	U
75-09-2	Methylene chloride	ND	1.00	0.250	ND	3.47	1	U
76-13-1	Freon-113	0.064	0.050	0.006	0.491	0.383	.05	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	.02	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	.02	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	.02	U
78-93-3	2-Butanone	0.447	0.500	0.025	1.32	1.47	.5	J
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	.02	U
67-66-3	Chloroform	0.013	0.020	0.006	0.064	0.098	.02	J
107-06-2	1,2-Dichloroethane	0.016	0.020	0.008	0.065	0.081	.02	J
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	.02	U
71-43-2	Benzene	0.138	0.100	0.021	0.441	0.319	.1	
56-23-5	Carbon tetrachloride	0.059	0.020	0.008	0.371	0.126	.02	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	.02	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	.02	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	.02	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	.02	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	.5	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601403-5	Date Collected	: 04/05/13 15:24
Client ID	: AR17-3-ADUP	Date Received	: 04/11/13
Sample Location	:	Date Analyzed	: 04/12/13 23:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: RY
Lab File ID	: R127652	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	.02	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	.02	U
108-88-3	Toluene	0.156	0.050	0.025	0.588	0.188	.05	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	.02	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	.02	U
127-18-4	Tetrachloroethene	0.034	0.020	0.008	0.231	0.136	.02	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	.02	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	.02	U
100-41-4	Ethylbenzene	0.022	0.020	0.007	0.096	0.087	.02	
179601-23-1	p/m-Xylene	0.059	0.040	0.009	0.256	0.174	.04	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	.02	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	.02	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	.02	U
95-47-6	o-Xylene	0.022	0.020	0.008	0.096	0.087	.02	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	.5	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	.02	U
108-67-8	1,3,5-Trimethybenzene	0.006	0.020	0.005	0.030	0.098	.02	J
95-63-6	1,2,4-Trimethylbenzene	0.016	0.020	0.007	0.079	0.098	.02	J
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	.02	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	.02	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	.5	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	.5	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	.02	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	.05	U
91-20-3	Naphthalene	ND	0.050	0.012	ND	0.262	.05	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	.05	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	.05	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601750-4	Date Collected	: NA
Client ID	: WG601750-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/15/13 13:33
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127663	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030	U
74-87-3	Chloromethane	ND	0.500	0.048	ND	1.03	0.099	U
76-14-2	Freon-114	ND	0.050	0.005	ND	0.349	0.035	U
75-01-4	Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018	U
106-99-0	1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013	U
74-83-9	Bromomethane	ND	0.020	0.008	ND	0.078	0.031	U
75-00-3	Chloroethane	ND	0.020	0.007	ND	0.053	0.019	U
67-64-1	Acetone	ND	2.00	0.739	ND	4.75	1.76	U
75-69-4	Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045	U
107-13-1	Acrylonitrile	ND	0.500	0.015	ND	1.09	0.033	U
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028	U
75-09-2	Methylene chloride	ND	1.00	0.250	ND	3.47	0.869	U
76-13-1	Freon-113	ND	0.050	0.006	ND	0.383	0.046	U
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028	U
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014	U
78-93-3	2-Butanone	ND	0.500	0.025	ND	1.47	0.073	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026	U
67-66-3	Chloroform	ND	0.020	0.006	ND	0.098	0.029	U
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038	U
71-43-2	Benzene	ND	0.100	0.021	ND	0.319	0.067	U
56-23-5	Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050	U
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054	U
79-01-6	Trichloroethene	ND	0.020	0.007	ND	0.107	0.038	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601750-4	Date Collected	: NA
Client ID	: WG601750-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/15/13 13:33
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127663	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049	U
108-88-3	Toluene	ND	0.050	0.025	ND	0.188	0.094	U
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037	U
100-41-4	Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030	U
179601-23-1	p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039	U
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	0.155	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048	U
95-47-6	o-Xylene	ND	0.020	0.008	ND	0.087	0.035	U
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226	U
622-96-8	4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.048	U
108-67-8	1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048	U
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247	U
120-82-1	1,2,4-Trichlorobenzene	0.011	0.050	0.010	0.082	0.371	0.074	J
91-20-3	Naphthalene	0.012	0.050	0.012	0.063	0.262	0.063	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601750-5	Date Collected	: 04/04/13 11:58
Client ID	: SV3-1-ADUP	Date Received	: 04/11/13
Sample Location	:	Date Analyzed	: 04/15/13 17:07
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127666	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.441	0.050	0.006	2.18	0.247	.05	
74-87-3	Chloromethane	0.318	0.500	0.048	0.657	1.03	.5	J
76-14-2	Freon-114	0.014	0.050	0.005	0.098	0.349	.05	J
75-01-4	Vinyl chloride	0.007	0.020	0.007	0.018	0.051	.02	J
106-99-0	1,3-Butadiene	0.340	0.020	0.006	0.752	0.044	.02	
74-83-9	Bromomethane	0.068	0.020	0.008	0.264	0.078	.02	
75-00-3	Chloroethane	0.030	0.020	0.007	0.079	0.053	.02	
67-64-1	Acetone	33.7	2.00	0.739	80.1	4.75	2	
75-69-4	Trichlorofluoromethane	0.177	0.050	0.008	0.995	0.281	.05	
107-13-1	Acrylonitrile	0.234	0.500	0.015	0.508	1.09	.5	J
75-35-4	1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	.02	U
75-09-2	Methylene chloride	0.745	1.00	0.250	2.59	3.47	1	J
76-13-1	Freon-113	0.067	0.050	0.006	0.514	0.383	.05	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	.02	U
75-34-3	1,1-Dichloroethane	0.017	0.020	0.007	0.069	0.081	.02	J
1634-04-4	Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	.02	U
78-93-3	2-Butanone	4.61	0.500	0.025	13.6	1.47	.5	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	.02	U
67-66-3	Chloroform	0.088	0.020	0.006	0.430	0.098	.02	
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	.02	U
71-55-6	1,1,1-Trichloroethane	0.186	0.020	0.007	1.01	0.109	.02	
71-43-2	Benzene	0.898	0.100	0.021	2.87	0.319	.1	
56-23-5	Carbon tetrachloride	0.029	0.020	0.008	0.182	0.126	.02	
78-87-5	1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	.02	U
75-27-4	Bromodichloromethane	ND	0.020	0.008	ND	0.134	.02	U
79-01-6	Trichloroethene	0.050	0.020	0.007	0.269	0.107	.02	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	.02	U
108-10-1	4-Methyl-2-pentanone	0.458	0.500	0.042	1.88	2.05	.5	J

Form 1
Volatile Organics

Client	: Stone Environmental	Lab Number	: L1306330
Project Name	: SCOTIA NAVAL DEPOT	Project Number	: 102305-R-07
Lab ID	: WG601750-5	Date Collected	: 04/04/13 11:58
Client ID	: SV3-1-ADUP	Date Received	: 04/11/13
Sample Location	:	Date Analyzed	: 04/15/13 17:07
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: MB
Lab File ID	: R127666	Instrument ID	: AIRPIANO1
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	.02	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	.02	U
108-88-3	Toluene	1.24	0.050	0.025	4.67	0.188	.05	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	.02	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	.02	U
127-18-4	Tetrachloroethene	ND	0.020	0.008	ND	0.136	.02	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	.02	U
108-90-7	Chlorobenzene	ND	0.020	0.008	ND	0.092	.02	U
100-41-4	Ethylbenzene	0.160	0.020	0.007	0.695	0.087	.02	
179601-23-1	p/m-Xylene	0.437	0.040	0.009	1.90	0.174	.04	
75-25-2	Bromoform	ND	0.020	0.015	ND	0.207	.02	U
100-42-5	Styrene	0.028	0.020	0.008	0.119	0.085	.02	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	.02	U
95-47-6	o-Xylene	0.191	0.020	0.008	0.830	0.087	.02	
98-82-8	Isopropylbenzene	ND	0.500	0.046	ND	2.46	.5	U
622-96-8	4-Ethyltoluene	0.058	0.020	0.010	0.285	0.098	.02	
108-67-8	1,3,5-Trimethybenzene	0.069	0.020	0.005	0.339	0.098	.02	
95-63-6	1,2,4-Trimethylbenzene	0.212	0.020	0.007	1.04	0.098	.02	
541-73-1	1,3-Dichlorobenzene	1.18	0.020	0.007	7.09	0.120	.02	
106-46-7	1,4-Dichlorobenzene	0.040	0.020	0.008	0.240	0.120	.02	
135-98-8	sec-Butylbenzene	ND	0.500	0.047	ND	2.74	.5	U
99-87-6	p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	.5	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	.02	U
104-51-8	n-Butylbenzene	ND	0.500	0.045	ND	2.74	.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	.05	U
91-20-3	Naphthalene	0.041	0.050	0.012	0.215	0.262	.05	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	.05	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	.05	U

3

LAB DUPLICATE

AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1306330 Matrix: Air

Lab Sample ID : WG601403-5 Injected: 04/12/13 23:01 Lab File ID: R127652

Client Sample ID : AR17-3-A

COMPOUND	SAMPLE CONCENTRATION (ppbV)	DUP CONCENTRATION (ppbV)	DUP % RPD	DUP RPD LIMIT
Dichlorodifluoromethane	0.455	0.418	8	25
Chloromethane	0.581	0.508	13	25
Freon-114	0.015J	0.013J	NC	25
Vinyl chloride	ND	ND	NC	25
1,3-Butadiene	0.013J	0.011J	NC	25
Bromomethane	0.009J	0.008J	NC	25
Chloroethane	ND	ND	NC	25
Acetone	4.63	4.07	13	25
Trichlorofluoromethane	0.230	0.200	14	25
Acrylonitrile	ND	ND	NC	25
1,1-Dichloroethene	ND	ND	NC	25
Methylene chloride	0.256J	ND	NC	25
Freon-113	0.073	0.064	13	25
trans-1,2-Dichloroethene	ND	ND	NC	25
1,1-Dichloroethane	ND	ND	NC	25
Methyl tert butyl ether	ND	ND	NC	25
2-Butanone	0.508	0.447J	NC	25
cis-1,2-Dichloroethene	ND	ND	NC	25
Chloroform	0.013J	0.013J	NC	25
1,2-Dichloroethane	0.019J	0.016J	NC	25
1,1,1-Trichloroethane	ND	ND	NC	25
Benzene	0.139	0.138	1	25
Carbon tetrachloride	0.057	0.059	3	25
1,2-Dichloropropane	ND	ND	NC	25
Bromodichloromethane	ND	ND	NC	25
Trichloroethene	ND	ND	NC	25
cis-1,3-Dichloropropene	ND	ND	NC	25
4-Methyl-2-pentanone	ND	ND	NC	25
trans-1,3-Dichloropropen	ND	ND	NC	25
1,1,2-Trichloroethane	ND	ND	NC	25
Toluene	0.157	0.156	1	25
Dibromochloromethane	ND	ND	NC	25
1,2-Dibromoethane	ND	ND	NC	25
Tetrachloroethene	0.034	0.034	0	25
1,1,1,2-Tetrachloroethan	ND	ND	NC	25
Chlorobenzene	ND	ND	NC	25
Ethylbenzene	0.022	0.022	0	25
p/m-Xylene	0.060	0.059	2	25
Bromoform	ND	ND	NC	25
Styrene	ND	ND	NC	25

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

3

LAB DUPLICATE

AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1306330 Matrix: Air

Lab Sample ID : WG601403-5 Injected: 04/12/13 23:01 Lab File ID: R127652

Client Sample ID : AR17-3-A

COMPOUND	SAMPLE CONCENTRATION (ppbV)	DUP CONCENTRATION (ppbV)	DUP % RPD	DUP RPD LIMIT
1,1,2,2-Tetrachloroethan	ND	ND	NC	25
o-Xylene	0.023	0.022	4	25
Isopropylbenzene	ND	ND	NC	25
4-Ethyltoluene	ND	ND	NC	25
1,3,5-Trimethybenzene	0.006J	0.006J	NC	25
1,2,4-Trimethylbenzene	0.016J	0.016J	NC	25
1,3-Dichlorobenzene	ND	ND	NC	25
1,4-Dichlorobenzene	ND	ND	NC	25
sec-Butylbenzene	ND	ND	NC	25
p-Isopropyltoluene	ND	ND	NC	25
1,2-Dichlorobenzene	ND	ND	NC	25
n-Butylbenzene	ND	ND	NC	25
1,2,4-Trichlorobenzene	ND	ND	NC	25
Naphthalene	ND	ND	NC	25
1,2,3-Trichlorobenzene	ND	ND	NC	25
Hexachlorobutadiene	ND	ND	NC	25

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

LAB CONTROL SAMPLE RECOVERY
AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs
SDG No.: L1306330 Matrix: Air
Lab Control Sample: WG601403-3LCS Injected: 04/12/13 14:03 Lab File ID: R127638

COMPOUND	SPIKE ADDED ppbV	SAMPLE CONC ppbV	LCS CONC ppbV	LCS % REC	LCSD CONC ppbV	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	5	NA	4.76	95	-	-	-	25	70-130
Chloromethane	5	NA	4.76	95	-	-	-	25	70-130
Freon-114	5	NA	4.80	96	-	-	-	25	70-130
Vinyl chloride	5	NA	4.74	95	-	-	-	25	70-130
1,3-Butadiene	5	NA	4.98	100	-	-	-	25	70-130
Bromomethane	5	NA	4.70	94	-	-	-	25	70-130
Chloroethane	5	NA	4.53	91	-	-	-	25	70-130
Acetone	25	NA	25.7	103	-	-	-	25	70-130
Trichlorofluoromethane	5	NA	4.79	96	-	-	-	25	70-130
Acrylonitrile	5	NA	4.65	93	-	-	-	25	70-130
1,1-Dichloroethene	5	NA	4.78	96	-	-	-	25	70-130
Methylene chloride	5	NA	4.98	100	-	-	-	25	70-130
Freon-113	5	NA	4.82	96	-	-	-	25	70-130
trans-1,2-Dichloroethene	5	NA	4.25	85	-	-	-	25	70-130
1,1-Dichloroethane	5	NA	4.61	92	-	-	-	25	70-130
Methyl tert butyl ether	5	NA	4.34	87	-	-	-	25	70-130
2-Butanone	5	NA	4.18	84	-	-	-	25	70-130
cis-1,2-Dichloroethene	5	NA	5.12	102	-	-	-	25	70-130
Chloroform	5	NA	4.83	97	-	-	-	25	70-130
1,2-Dichloroethane	5	NA	4.70	94	-	-	-	25	70-130
1,1,1-Trichloroethane	5	NA	4.95	99	-	-	-	25	70-130
Benzene	5	NA	4.84	97	-	-	-	25	70-130
Carbon tetrachloride	5	NA	4.50	90	-	-	-	25	70-130
1,2-Dichloropropane	5	NA	4.98	100	-	-	-	25	70-130
Bromodichloromethane	5	NA	4.58	92	-	-	-	25	70-130
Trichloroethene	5	NA	4.93	99	-	-	-	25	70-130
cis-1,3-Dichloropropene	5	NA	4.93	99	-	-	-	25	70-130
4-Methyl-2-pentanone	5	NA	5.14	103	-	-	-	25	70-130
trans-1,3-Dichloropropen	5	NA	4.20	84	-	-	-	25	70-130
1,1,2-Trichloroethane	5	NA	5.24	105	-	-	-	25	70-130
Toluene	5	NA	4.79	96	-	-	-	25	70-130
Dibromochloromethane	5	NA	3.95	79	-	-	-	25	70-130
1,2-Dibromoethane	5	NA	4.98	100	-	-	-	25	70-130
Tetrachloroethene	5	NA	4.75	95	-	-	-	25	70-130
1,1,1,2-Tetrachloroethan	5	NA	4.23	85	-	-	-	25	70-130
Chlorobenzene	5	NA	4.92	98	-	-	-	25	70-130
Ethylbenzene	5	NA	4.94	99	-	-	-	25	70-130
p/m-Xylene	10	NA	9.92	99	-	-	-	25	70-130
Bromoform	5	NA	3.50	70	-	-	-	25	70-130
Styrene	5	NA	4.94	99	-	-	-	25	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

LAB CONTROL SAMPLE RECOVERY
AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs
SDG No.: L1306330 Matrix: Air
Lab Control Sample: WG601403-3LCS Injected: 04/12/13 14:03 Lab File ID: R127638

COMPOUND	SPIKE ADDED ppbV	SAMPLE CONC ppbV	LCS CONC ppbV	LCS % REC	LCSD CONC ppbV	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroethan	5	NA	5.19	104	-	-	-	25	70-130
o-Xylene	5	NA	4.98	100	-	-	-	25	70-130
Isopropylbenzene	5	NA	4.83	97	-	-	-	25	70-130
4-Ethyltoluene	5	NA	4.53	91	-	-	-	25	70-130
1,3,5-Trimethybenzene	5	NA	4.96	99	-	-	-	25	70-130
1,2,4-Trimethylbenzene	5	NA	5.10	102	-	-	-	25	70-130
1,3-Dichlorobenzene	5	NA	5.07	101	-	-	-	25	70-130
1,4-Dichlorobenzene	5	NA	5.03	101	-	-	-	25	70-130
sec-Butylbenzene	5	NA	4.77	95	-	-	-	25	70-130
p-Isopropyltoluene	5	NA	4.51	90	-	-	-	25	70-130
1,2-Dichlorobenzene	5	NA	5.04	101	-	-	-	25	70-130
n-Butylbenzene	5	NA	5.10	102	-	-	-	25	70-130
1,2,4-Trichlorobenzene	5	NA	5.52	110	-	-	-	25	70-130
Naphthalene	5	NA	5.02	100	-	-	-	25	70-130
1,2,3-Trichlorobenzene	5	NA	5.26	105	-	-	-	25	70-130
Hexachlorobutadiene	5	NA	5.07	101	-	-	-	25	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

3

LAB DUPLICATE
AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs
SDG No.: L1306330 Matrix: Air
Lab Sample ID : WG601750-5 Injected: 04/15/13 17:07 Lab File ID: R127666
Client Sample ID : SV3-1-A

COMPOUND	SAMPLE CONCENTRATION (ppbV)	DUP CONCENTRATION (ppbV)	DUP % RPD	DUP RPD LIMIT
Dichlorodifluoromethane	0.382	0.441	14	25
Chloromethane	0.268J	0.318J	NC	25
Freon-114	0.013J	0.014J	NC	25
Vinyl chloride	0.007J	0.007J	NC	25
1,3-Butadiene	0.289	0.340	16	25
Bromomethane	0.057	0.068	18	25
Chloroethane	0.026	0.030	14	25
Acetone	28.6	33.7	16	25
Trichlorofluoromethane	0.150	0.177	17	25
Acrylonitrile	0.198J	0.234J	NC	25
1,1-Dichloroethene	ND	ND	NC	25
Methylene chloride	0.667J	0.745J	NC	25
Freon-113	0.056	0.067	18	25
trans-1,2-Dichloroethene	ND	ND	NC	25
1,1-Dichloroethane	ND	0.017J	NC	25
Methyl tert butyl ether	ND	ND	NC	25
2-Butanone	3.91	4.61	16	25
cis-1,2-Dichloroethene	ND	ND	NC	25
Chloroform	0.074	0.088	17	25
1,2-Dichloroethane	ND	ND	NC	25
1,1,1-Trichloroethane	0.183	0.186	2	25
Benzene	0.871	0.898	3	25
Carbon tetrachloride	0.038	0.029	27*	25
1,2-Dichloropropane	ND	ND	NC	25
Bromodichloromethane	ND	ND	NC	25
Trichloroethene	0.048	0.050	4	25
cis-1,3-Dichloropropene	ND	ND	NC	25
4-Methyl-2-pentanone	0.446J	0.458J	NC	25
trans-1,3-Dichloropropen	ND	ND	NC	25
1,1,2-Trichloroethane	ND	ND	NC	25
Toluene	1.22	1.24	2	25
Dibromochloromethane	ND	ND	NC	25
1,2-Dibromoethane	ND	ND	NC	25
Tetrachloroethene	ND	ND	NC	25
1,1,1,2-Tetrachloroethan	ND	ND	NC	25
Chlorobenzene	ND	ND	NC	25
Ethylbenzene	0.153	0.160	4	25
p/m-Xylene	0.423	0.437	3	25
Bromoform	ND	ND	NC	25
Styrene	0.027	0.028	4	25

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

3

LAB DUPLICATE

AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1306330 Matrix: Air

Lab Sample ID : WG601750-5 Injected: 04/15/13 17:07 Lab File ID: R127666

Client Sample ID : SV3-1-A

COMPOUND	SAMPLE CONCENTRATION (ppbV)	DUP CONCENTRATION (ppbV)	DUP % RPD	DUP RPD LIMIT
1,1,2,2-Tetrachloroethan	ND	ND	NC	25
o-Xylene	0.186	0.191	3	25
Isopropylbenzene	ND	ND	NC	25
4-Ethyltoluene	0.055	0.058	5	25
1,3,5-Trimethybenzene	0.067	0.069	3	25
1,2,4-Trimethylbenzene	0.203	0.212	4	25
1,3-Dichlorobenzene	1.15	1.18	3	25
1,4-Dichlorobenzene	0.035	0.040	13	25
sec-Butylbenzene	ND	ND	NC	25
p-Isopropyltoluene	ND	ND	NC	25
1,2-Dichlorobenzene	ND	ND	NC	25
n-Butylbenzene	ND	ND	NC	25
1,2,4-Trichlorobenzene	ND	ND	NC	25
Naphthalene	0.041J	0.041J	NC	25
1,2,3-Trichlorobenzene	ND	ND	NC	25
Hexachlorobutadiene	ND	ND	NC	25

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

LAB CONTROL SAMPLE RECOVERY
AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs
SDG No.: L1306330 Matrix: Air
Lab Control Sample: WG601750-3LCS Injected: 04/15/13 11:57 Lab File ID: R127661

COMPOUND	SPIKE ADDED ppbV	SAMPLE CONC ppbV	LCS CONC ppbV	LCS % REC	LCSD CONC ppbV	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	5	NA	5.15	103	-	-	-	25	70-130
Chloromethane	5	NA	5.08	102	-	-	-	25	70-130
Freon-114	5	NA	5.13	103	-	-	-	25	70-130
Vinyl chloride	5	NA	5.10	102	-	-	-	25	70-130
1,3-Butadiene	5	NA	5.29	106	-	-	-	25	70-130
Bromomethane	5	NA	5.03	101	-	-	-	25	70-130
Chloroethane	5	NA	4.96	99	-	-	-	25	70-130
Acetone	25	NA	26.4	106	-	-	-	25	70-130
Trichlorofluoromethane	5	NA	5.14	103	-	-	-	25	70-130
Acrylonitrile	5	NA	5.02	100	-	-	-	25	70-130
1,1-Dichloroethene	5	NA	5.12	102	-	-	-	25	70-130
Methylene chloride	5	NA	5.27	105	-	-	-	25	70-130
Freon-113	5	NA	5.16	103	-	-	-	25	70-130
trans-1,2-Dichloroethene	5	NA	4.50	90	-	-	-	25	70-130
1,1-Dichloroethane	5	NA	4.95	99	-	-	-	25	70-130
Methyl tert butyl ether	5	NA	4.58	92	-	-	-	25	70-130
2-Butanone	5	NA	4.39	88	-	-	-	25	70-130
cis-1,2-Dichloroethene	5	NA	4.89	98	-	-	-	25	70-130
Chloroform	5	NA	5.18	104	-	-	-	25	70-130
1,2-Dichloroethane	5	NA	5.03	101	-	-	-	25	70-130
1,1,1-Trichloroethane	5	NA	5.38	108	-	-	-	25	70-130
Benzene	5	NA	5.17	103	-	-	-	25	70-130
Carbon tetrachloride	5	NA	5.02	100	-	-	-	25	70-130
1,2-Dichloropropane	5	NA	5.34	107	-	-	-	25	70-130
Bromodichloromethane	5	NA	4.91	98	-	-	-	25	70-130
Trichloroethene	5	NA	5.30	106	-	-	-	25	70-130
cis-1,3-Dichloropropene	5	NA	5.45	109	-	-	-	25	70-130
4-Methyl-2-pentanone	5	NA	5.44	109	-	-	-	25	70-130
trans-1,3-Dichloropropen	5	NA	4.65	93	-	-	-	25	70-130
1,1,2-Trichloroethane	5	NA	5.63	113	-	-	-	25	70-130
Toluene	5	NA	5.12	102	-	-	-	25	70-130
Dibromochloromethane	5	NA	4.36	87	-	-	-	25	70-130
1,2-Dibromoethane	5	NA	5.37	107	-	-	-	25	70-130
Tetrachloroethene	5	NA	5.13	103	-	-	-	25	70-130
1,1,1,2-Tetrachloroethan	5	NA	4.63	93	-	-	-	25	70-130
Chlorobenzene	5	NA	5.26	105	-	-	-	25	70-130
Ethylbenzene	5	NA	5.26	105	-	-	-	25	70-130
p/m-Xylene	10	NA	10.6	106	-	-	-	25	70-130
Bromoform	5	NA	3.96	79	-	-	-	25	70-130
Styrene	5	NA	5.30	106	-	-	-	25	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

LAB CONTROL SAMPLE RECOVERY
AIR VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs
SDG No.: L1306330 Matrix: Air
Lab Control Sample: WG601750-3LCS Injected: 04/15/13 11:57 Lab File ID: R127661

COMPOUND	SPIKE ADDED ppbV	SAMPLE CONC ppbV	LCS CONC ppbV	LCS % REC	LCSD CONC ppbV	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroethan	5	NA	5.52	110	-	-	-	25	70-130
o-Xylene	5	NA	5.29	106	-	-	-	25	70-130
Isopropylbenzene	5	NA	5.10	102	-	-	-	25	70-130
4-Ethyltoluene	5	NA	4.59	92	-	-	-	25	70-130
1,3,5-Trimethybenzene	5	NA	5.24	105	-	-	-	25	70-130
1,2,4-Trimethylbenzene	5	NA	5.39	108	-	-	-	25	70-130
1,3-Dichlorobenzene	5	NA	5.33	107	-	-	-	25	70-130
1,4-Dichlorobenzene	5	NA	5.29	106	-	-	-	25	70-130
sec-Butylbenzene	5	NA	4.97	99	-	-	-	25	70-130
p-Isopropyltoluene	5	NA	4.70	94	-	-	-	25	70-130
1,2-Dichlorobenzene	5	NA	5.31	106	-	-	-	25	70-130
n-Butylbenzene	5	NA	5.29	106	-	-	-	25	70-130
1,2,4-Trichlorobenzene	5	NA	5.76	115	-	-	-	25	70-130
Naphthalene	5	NA	5.27	105	-	-	-	25	70-130
1,2,3-Trichlorobenzene	5	NA	5.70	114	-	-	-	25	70-130
Hexachlorobutadiene	5	NA	5.30	106	-	-	-	25	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III TO15-SIM

4A

VOLATILE ORGANICS METHOD BLANK SUMMARY

SAMPLE NO.

WG601403-4BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID: R127640 Lab Sample ID: WG601403-4

Date Analyzed: 04/12/13 Time Analyzed: 15:45

Instrument ID: AIRPIANO1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG601403-3LCS	WG601403-3	R127638	04/12/13 14:03
02	TRIP BLANK	L1306330-11	R127643	04/12/13 18:13
03	AR5-3-A	L1306330-05	R127644	04/12/13 18:45
04	AR6-3-A	L1306330-06	R127645	04/12/13 19:17
05	AR7-3-A	L1306330-07	R127646	04/12/13 19:49
06	AR8-3-A	L1306330-12	R127647	04/12/13 20:21
07	AR9-3-A	L1306330-13	R127648	04/12/13 20:53
08	AR10-3-A	L1306330-14	R127649	04/12/13 21:25
09	AR16-3-A	L1306330-15	R127650	04/12/13 21:57
10	AR17-3-A	L1306330-19	R127651	04/12/13 22:30
11	AR17-3-ADUP	WG601403-5	R127652	04/12/13 23:01
12	AR11-3-A	L1306330-20	R127653	04/12/13 23:34
13	AR14-3-A	L1306330-24	R127654	04/13/13 00:06
14	AR15-3-A	L1306330-25	R127655	04/13/13 00:38
15	AR15-3-A-D	L1306330-26	R127656	04/13/13 01:10
16	AR15-3-A-D	L1306330-26D	R127657	04/13/13 06:31
17	AR15-3-A	L1306330-25D	R127658	04/13/13 07:03

COMMENTS: _____

FORM IV TO15-SIM LOW

4A

VOLATILE ORGANICS METHOD BLANK SUMMARY

SAMPLE NO.

WG601750-4BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID: R127663 Lab Sample ID: WG601750-4

Date Analyzed: 04/15/13 Time Analyzed: 13:33

Instrument ID: AIRPIANO1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG601750-3LCS	WG601750-3	R127661	04/15/13 11:57
02	SV3-1-A	L1306330-01	R127665	04/15/13 16:35
03	SV3-1-ADUP	WG601750-5	R127666	04/15/13 17:07
04	SV4-1-A	L1306330-02D	R127667	04/15/13 17:38
05	SV2-1-A	L1306330-03	R127668	04/15/13 18:10
06	SV1-1-A	L1306330-04	R127669	04/15/13 18:42
07	SV5-1-A	L1306330-08D	R127670	04/15/13 19:14
08	SV6-1-A	L1306330-09D	R127671	04/15/13 19:46
09	SV7-1-A	L1306330-10D	R127672	04/15/13 20:17
10	SV9-1-A	L1306330-16D	R127673	04/15/13 20:49
11	SV8-1-A	L1306330-17D	R127674	04/15/13 21:21
12	SV10-1-A	L1306330-18D	R127675	04/15/13 21:53
13	SV11-1-A	L1306330-21	R127676	04/15/13 22:24
14	SV12-1-A	L1306330-22D	R127677	04/15/13 22:56
15	SV14-1-A	L1306330-23	R127678	04/15/13 23:28
16	SV13-1-A	L1306330-27D	R127679	04/16/13 00:00
17	SV15-1-A	L1306330-28D	R127680	04/16/13 00:32
18	SV15-1-A-D	L1306330-29D	R127681	04/16/13 01:04

COMMENTS: _____

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FORM IV TO15-SIM LOW

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID: R127390_tune BFB Injection Date: 04/02/13

Instrument ID: AIRPIANO1 BFB Injection Time: 23:12

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
50	8.0 - 40.0% of mass 95	23.7
75	30.0 - 66.0% of mass 95	45.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	97.7
175	4.0 - 9.0% of mass 174	7 (7.1)1
176	93.0 - 101% of mass 174	94.5 (96.7)1
177	5.0 - 9.0% of mass 176	6.3 (6.7)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	0.02	0.02	R127391	04/02/13	23:46
02	0.04	0.04	R127392	04/03/13	00:18
03	0.1	0.1	R127393	04/03/13	00:49
04	0.2	0.2	R127394	04/03/13	01:21
05	0.5	0.5	R127395	04/03/13	01:53
06	1.0	1.0	R127396	04/03/13	02:24
07	2.5	2.5	R127397	04/03/13	02:56
08	5.0	5.0	R127398	04/03/13	03:28
09	10.0	10.0	R127399	04/03/13	03:59
10	20.0	20.0	R127400	04/03/13	04:31
11	50.0	50.0	R127401	04/03/13	05:03
12	ICV QUANT REPORT	ICV QUANT REPO	R127406	04/03/13	07:41

FORM V TO15-SIM

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID: R127636_tune BFB Injection Date: 04/12/13

Instrument ID: AIRPIANO1 BFB Injection Time: 12:59

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
50	8.0 - 40.0% of mass 95	25.2
75	30.0 - 66.0% of mass 95	44.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	93.2
175	4.0 - 9.0% of mass 174	6.6 (7)1
176	93.0 - 101% of mass 174	91.9 (98.7)1
177	5.0 - 9.0% of mass 176	6 (6.5)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCAL	WG601403-2	R127638	04/12/13	14:03
02	WG601403-3LCS	WG601403-3	R127638	04/12/13	14:03
03	WG601403-4BLANK	WG601403-4	R127640	04/12/13	15:45
04	TRIP BLANK	L1306330-11	R127643	04/12/13	18:13
05	AR5-3-A	L1306330-05	R127644	04/12/13	18:45
06	AR6-3-A	L1306330-06	R127645	04/12/13	19:17
07	AR7-3-A	L1306330-07	R127646	04/12/13	19:49
08	AR8-3-A	L1306330-12	R127647	04/12/13	20:21
09	AR9-3-A	L1306330-13	R127648	04/12/13	20:53
10	AR10-3-A	L1306330-14	R127649	04/12/13	21:25
11	AR16-3-A	L1306330-15	R127650	04/12/13	21:57
12	AR17-3-A	L1306330-19	R127651	04/12/13	22:30
13	AR17-3-ADUP	WG601403-5	R127652	04/12/13	23:01
14	AR11-3-A	L1306330-20	R127653	04/12/13	23:34
15	AR14-3-A	L1306330-24	R127654	04/13/13	00:06
16	AR15-3-A	L1306330-25	R127655	04/13/13	00:38
17	AR15-3-A-D	L1306330-26	R127656	04/13/13	01:10
18	AR15-3-A-D	L1306330-26D	R127657	04/13/13	06:31
19	AR15-3-A	L1306330-25D	R127658	04/13/13	07:03

FORM V TO15-SIM

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID: R127659_tune BFB Injection Date: 04/15/13

Instrument ID: AIRPIANO1 BFB Injection Time: 10:53

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
50	8.0 - 40.0% of mass 95	25.2
75	30.0 - 66.0% of mass 95	45.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (.9)1
174	50.0 - 120.0% of mass 95	95.4
175	4.0 - 9.0% of mass 174	6.8 (7.1)1
176	93.0 - 101% of mass 174	94 (98.6)1
177	5.0 - 9.0% of mass 176	6.1 (6.5)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCAL	WG601750-2	R127661	04/15/13	11:57
02	WG601750-3LCS	WG601750-3	R127661	04/15/13	11:57
03	WG601750-4BLANK	WG601750-4	R127663	04/15/13	13:33
04	SV3-1-A	L1306330-01	R127665	04/15/13	16:35
05	SV3-1-ADUP	WG601750-5	R127666	04/15/13	17:07
06	SV4-1-A	L1306330-02D	R127667	04/15/13	17:38
07	SV2-1-A	L1306330-03	R127668	04/15/13	18:10
08	SV1-1-A	L1306330-04	R127669	04/15/13	18:42
09	SV5-1-A	L1306330-08D	R127670	04/15/13	19:14
10	SV6-1-A	L1306330-09D	R127671	04/15/13	19:46
11	SV7-1-A	L1306330-10D	R127672	04/15/13	20:17
12	SV9-1-A	L1306330-16D	R127673	04/15/13	20:49
13	SV8-1-A	L1306330-17D	R127674	04/15/13	21:21
14	SV10-1-A	L1306330-18D	R127675	04/15/13	21:53
15	SV11-1-A	L1306330-21	R127676	04/15/13	22:24
16	SV12-1-A	L1306330-22D	R127677	04/15/13	22:56
17	SV14-1-A	L1306330-23	R127678	04/15/13	23:28
18	SV13-1-A	L1306330-27D	R127679	04/16/13	00:00
19	SV15-1-A	L1306330-28D	R127680	04/16/13	00:32
20	SV15-1-A-D	L1306330-29D	R127681	04/16/13	01:04

FORM V TO15-SIM

6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Instrument ID: AIRPIANO1 Calibration Date(s): 04/02/13 04/03/13

Calibration Times: 23:46 05:03

Calibration Files

0.02=R127391.D 0.04=R127392.D 0.1 =R127393.D 0.2 =R127394.D 0.5 =R127395.D 1.0 =R127396.D

2.5 =R127397.D 5.0 =R127398.D 10.0=R127399.D 20.0=R127400.D 50.0=R127401.D

		Compound	0.02	0.04	0.1	0.2	0.5	1.0	2.5	5.0	10.0	20.0	50.0	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------												
2)		propylene			0.725	0.593	0.572	0.575	0.565	0.533	0.525	0.512	0.496	0.475	0.5572	12.58
3)		dichlorodifluoromethane	1.688	1.387	1.298	1.288	1.336	1.257	1.264	1.221	1.223	1.162	1.119	1.2949	11.62
4)	C	chloromethane			0.991	0.750	0.706	0.685	0.669	0.633	0.623	0.607	0.587	0.561	0.6812	18.04
5)		Freon-114	1.781	1.487	1.418	1.429	1.449	1.434	1.387	1.358	1.336	1.286	1.209	1.4156	10.24
6)	C	vinyl chloride	0.716	0.608	0.577	0.584	0.591	0.589	0.568	0.558	0.547	0.534	0.508	0.5800	9.21
7)	C	1,3-butadiene	0.632	0.428	0.468	0.462	0.470	0.465	0.445	0.442	0.435	0.425	0.406	0.4617	13.03
8)	C	bromomethane	0.713	0.533	0.521	0.507	0.521	0.516	0.499	0.493	0.481	0.470	0.449	0.5184	13.36
9)	C	chloroethane	0.361	0.290	0.260	0.249	0.260	0.252	0.247	0.242	0.235	0.232	0.222	0.2592	14.79
10)		ethanol			0.502	0.492	0.504	0.503	0.494	0.481	0.467	0.444	0.410	0.4774	6.71
11)	C	vinyl bromide	0.618	0.511	0.519	0.517	0.530	0.526	0.509	0.501	0.491	0.480	0.461	0.5148	7.76
12)		acetone			1.293	1.222	1.142	1.108	1.062	1.039	1.014	0.976	0.883	1.0820	11.59
13)		trichlorofluoromethane	1.916	1.573	1.544	1.549	1.590	1.577	1.532	1.515	1.483	1.444	1.373	1.5541	8.77
14)		isopropyl alcohol					1.753	1.646	1.441	1.413	1.351	1.314	1.273	1.4560	12.26
15)	C	acrylonitrile	0.637	0.459	0.524	0.542	0.545	0.531	0.525	0.515	0.515	0.508	0.489	0.5264	8.36
16)	C	1,1-dichloroethene	1.146	0.964	0.961	0.955	1.005	0.993	0.966	0.957	0.932	0.914	0.871	0.9695	7.11
17)	C	methylene chloride					1.097	0.992	0.905	0.880	0.850	0.825	0.781	0.9044	11.94
18)	C	3-chloropropene	1.010	0.899	0.895	0.878	0.913	0.896	0.877	0.861	0.837	0.814	0.777	0.8778	6.85
19)	C	carbon disulfide			1.712	1.572	1.535	1.494	1.423	1.415	1.399	1.354	1.292	1.4663	8.66
20)		Freon 113	1.360	1.076	1.069	1.064	1.097	1.091	1.061	1.055	1.040	1.005	0.958	1.0796	9.38
21)		Halothane	0.870	0.705	0.705	0.698	0.723	0.720	0.712	0.708	0.696	0.750	0.645	0.7210	7.70
22)		trans-1,2-dichloroethene	1.008	0.926	0.905	0.919	0.960	0.951	0.917	0.916	0.904	0.959	0.921	0.9352	3.35
23)	C	1,1-dichloroethane	1.270	1.153	1.038	1.043	1.087	1.077	1.046	1.033	1.023	1.094	1.049	1.0829	6.68
24)	C	MTBE	1.545	1.396	1.262	1.270	1.318	1.301	1.263	1.243	1.239	1.331	1.270	1.3127	6.84
25)	C	vinyl acetate	2.451	2.263	1.814	1.793	1.843	1.829	1.778	1.793	1.750	1.896	1.810	1.9110	11.92
26)	C	2-butanone	2.347	2.013	1.586	1.554	1.796	1.736	1.452	1.659	1.438	1.577	1.496	1.6958	16.15
27)		cis-1,2-dichloroethene	1.037	0.885	0.908	0.920	0.967	0.958	0.936	0.924	0.911	0.885	0.853	0.9258	5.33
28)		Ethyl Acetate	0.243	0.195	0.226	0.219	0.231	0.228	0.226	0.223	0.222	0.214	0.207	0.2211	5.68
29)	C	chloroform	1.243	1.205	1.155	1.172	1.219	1.212	1.176	1.164	1.144	1.107	1.060	1.1691	4.51
30)		Tetrahydrofuran	0.958	0.902	0.992	0.999	0.978	0.958	0.934	0.939	0.919	0.865	0.832	0.9341	5.59
31)	C	1,2-dichloroethane	1.032	0.943	0.885	0.882	0.902	0.896	0.866	0.853	0.842	0.824	0.790	0.8832	7.27
32)	I	1,4-difluorobenzene	----------ISTD----------												
33)	C	hexane	0.517	0.524	0.462	0.491	0.508	0.498	0.475	0.479	0.473	0.461	0.456	0.4858	4.83
34)	s	1,2-dichloroethane-D4	0.249	0.291	0.290	0.298	0.303	0.297	0.300	0.304	0.301	0.301	0.302	0.2942	5.32
35)	C	1,1,1-trichloroethane	0.428	0.546	0.547	0.544	0.573	0.562	0.544	0.551	0.536	0.530	0.528	0.5353	7.05
36)	C	benzene			0.817	0.806	0.797	0.822	0.814	0.782	0.793	0.772	0.745	0.754	0.7902	3.35
37)	C	carbon tetrachloride	0.590	0.578	0.579	0.583	0.612	0.606	0.583	0.595	0.581	0.576	0.574	0.5871	2.15
38)		cyclohexane	0.546	0.521	0.518	0.516	0.538	0.527	0.505	0.511	0.491	0.491	0.493	0.5142	3.61
39)	C	1,2-dichloropropane	0.398	0.327	0.339	0.338	0.362	0.355	0.343	0.347	0.342	0.336	0.337	0.3475	5.54
40)		bromodichloromethane	0.612	0.579	0.588	0.594	0.627	0.615	0.598	0.607	0.601	0.593	0.597	0.6010	2.24
41)	C	1,4-dioxane	0.183	0.169	0.170	0.174	0.184	0.179	0.176	0.177	0.179	0.173	0.175	0.1764	2.64
42)	C	trichloroethene	0.405	0.364	0.379	0.383	0.404	0.398	0.390	0.394	0.386	0.377	0.372	0.3864	3.38
43)	C	2,2,4-trimethylpentane	1.595	1.626	1.611	1.616	1.701	1.663	1.605	1.624	1.581	1.531	1.511	1.6059	3.33
44)		heptane	0.770	0.737	0.679	0.683	0.711	0.696	0.669	0.675	0.663	0.647	0.629	0.6873	5.85
45)	C	cis-1,3-dichloropropene	0.412	0.392	0.424	0.433	0.456	0.454	0.436	0.451	0.441	0.438	0.438	0.4341	4.37
46)	C	4-methyl-2-pentanone	0.875	0.698	0.869	0.900	0.957	0.959	0.926	0.958	0.933	0.908	0.890	0.8976	8.21
47)		trans-1,3-dichloropropene	0.397	0.370	0.419	0.422	0.458	0.454	0.447	0.457	0.455	0.443	0.455	0.4344	6.73

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Instrument ID: AIRPIANO1 Calibration Date(s): 04/02/13 04/03/13

Calibration Times: 23:46 05:03

		Compound	0.02	0.04	0.1	0.2	0.5	1.0	2.5	5.0	10.0	20.0	50.0	Avg	%RSD
48)	C	1,1,2-trichloroethane	0.310	0.328	0.329	0.336	0.360	0.355	0.343	0.346	0.342	0.335	0.336	0.3382	4.02
49)	I	chlorobenzene-D5	ISTD												
50)	C	toluene		4.119	4.061	4.188	4.196	4.131	4.085	4.056	4.003	3.888	3.810	4.0536	3.07
51)	s	toluene-D8	3.052	2.978	2.956	3.147	3.062	3.082	3.107	3.073	3.097	3.086	3.101	3.0673	1.82
52)		2-hexanone	2.753	2.087	3.037	3.362	3.555	3.573	3.903	3.821	3.766	3.664	3.535	3.3687	16.19
53)		dibromochloromethane	2.721	2.672	2.792	2.920	3.007	3.009	2.971	2.983	2.953	2.939	2.963	2.9027	4.07
54)	C	1,2-dibromoethane	2.289	2.201	2.342	2.492	2.559	2.543	2.498	2.503	2.471	2.411	2.405	2.4286	4.62
55)	C	tetrachloroethene	2.018	2.004	2.036	2.161	2.173	2.175	2.136	2.123	2.095	2.059	2.038	2.0926	3.08
56)		1,1,1,2-tetrachloroethane	2.058	2.004	2.045	2.144	2.191	2.184	2.169	2.168	2.127	2.101	2.066	2.1143	3.01
57)	C	chlorobenzene	3.389	3.237	3.288	3.468	3.558	3.552	3.455	3.454	3.397	3.324	3.243	3.3969	3.34
58)	C	ethylbenzene	4.952	4.924	5.003	5.294	5.399	5.435	5.361	5.317	5.272	5.144	5.014	5.1922	3.66
59)	C	m+p-xylene	3.838	3.691	3.921	4.158	4.208	4.274	4.194	4.172	4.094	3.994	3.857	4.0366	4.66
60)	C	bromoform	2.721	2.569	2.744	2.899	2.998	3.040	3.044	3.063	3.082	3.079	3.077	2.9378	6.12
61)	C	styrene	2.619	2.494	3.263	3.471	3.220	3.286	3.257	3.256	3.226	3.165	3.141	3.1272	9.46
62)	C	1,1,2,2-tetrachloroethane	3.204	2.975	3.126	3.395	3.499	3.488	3.451	3.433	3.385	3.287	3.192	3.3121	5.12
63)	C	o-xylene	4.296	3.917	4.094	4.336	4.410	4.395	4.329	4.289	4.224	4.083	3.900	4.2067	4.32
64)	s	bromofluorobenzene	2.287	2.240	2.212	2.371	2.295	2.315	2.362	2.367	2.357	2.346	2.369	2.3202	2.40
65)	C	isopropylbenzene	6.067	5.656	6.064	6.345	6.498	6.482	6.465	6.370	6.214	6.012	5.731	6.1730	4.77
66)		4-ethyl toluene	5.521	5.351	5.878	6.249	6.526	6.590	6.489	6.376	6.341	6.104	5.838	6.1148	6.82
67)		1,3,5-trimethylbenzene	4.602	4.451	4.943	5.271	5.344	5.369	5.282	5.143	5.115	4.952	4.735	5.0189	6.21
68)		tert-butylbenzene	5.874	5.546	5.565	5.870	6.032	6.011	5.990	5.956	5.737	5.455	4.927	5.7238	5.82
69)		1,2,4-trimethylbenzene	4.940	4.521	4.861	5.158	5.316	5.309	5.265	5.259	5.160	4.933	4.550	5.0247	5.75
70)	C	Benzyl Chloride	3.864	3.542	3.864	4.153	4.509	4.623	4.709	4.772	4.809	4.707	4.693	4.3858	10.23
71)		1,3-dichlorobenzene	3.550	3.144	3.570	3.795	4.011	4.059	4.027	4.043	4.019	3.876	3.731	3.8023	7.56
72)	C	1,4-dichlorobenzene	3.487	3.268	3.648	3.903	4.086	4.141	4.093	4.084	4.064	3.954	3.800	3.8663	7.43
73)		sec-butylbenzene	7.260	7.034	7.642	8.044	8.368	8.357	8.359	8.278	7.980	7.671	7.184	7.8344	6.45
74)		p-isopropyltoluene	6.428	6.061	6.668	7.058	7.330	7.423	7.411	7.380	7.089	6.836	6.311	6.9088	7.00
75)		1,2-dichlorobenzene	3.251	3.148	3.398	3.674	3.851	3.898	3.867	3.863	3.857	3.747	3.668	3.6567	7.34
76)		n-butylbenzene	5.851	5.295	5.789	6.244	6.652	6.713	6.756	6.726	6.486	6.272	5.981	6.2515	7.63
77)	C	1,2,4-trichlorobenzene	2.321	1.981	2.362	2.668	3.168	3.251	3.188	3.348	3.465	3.400	3.174	2.9387	17.45
78)		naphthalene		4.828	6.185	6.815	8.027	8.089	7.456	7.897	8.099	8.010	8.100	7.3505	14.96
79)		1,2,3-trichlorobenzene	2.364	2.087	2.523	2.830	3.400	3.498	3.097	3.323	3.545	3.543	3.616	3.0750	17.59
80)	C	hexachlorobutadiene	2.120	1.948	2.188	2.394	2.686	2.681	2.568	2.698	2.724	2.688	2.589	2.4805	11.10

FORM VI-TO15-SIM

7A

Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Instrument ID: AIRPIANO1 Calibration Date: 04/12/2013 Time: 14:03

Lab File ID: R127638 Init. Calib. Date(s): 04/02/13 04/03/13

Sample No: WG601403-2,3,25 Init. Calib. Times : 23:46 05:03

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	104	0.00
3		dichlorodifluoromethane	1.295	1.232	4.9	105	0.00
4	C	chloromethane	0.681	0.648	4.8	108	0.00
5		Freon-114	1.416	1.360	4.0	104	0.00
6	C	vinyl chloride	0.580	0.550	5.2	102	0.00
7	C	1,3-butadiene	0.462	0.460	0.4	108	0.00
8	C	bromomethane	0.518	0.487	6.0	103	0.00
9	C	chloroethane	0.259	0.235	9.3	101	0.00
12		acetone	1.082	1.112	-2.8	111	0.00
13		trichlorofluoromethane	1.554	1.490	4.1	102	0.00
15	C	acrylonitrile	0.526	0.490	6.8	99	0.00
16	C	1,1-dichloroethene	0.969	0.926	4.4	100	0.00
17	C	methylene chloride	0.904	0.901	0.3	106	0.00
20		Freon 113	1.080	1.040	3.7	102	0.00
22		trans-1,2-dichloroethene	0.935	0.795	15.0	90	0.00
23	C	1,1-dichloroethane	1.083	0.999	7.8	100	0.00
24	C	MTBE	1.313	1.138	13.3	95	0.00
26	C	2-butanone	1.696	1.416	16.5	89	0.00
27		cis-1,2-dichloroethene	0.926	0.949	-2.5	107	0.00
29	C	chloroform	1.169	1.129	3.4	101	0.00
31	C	1,2-dichloroethane	0.883	0.830	6.0	101	0.00
32	I	1,4-difluorobenzene	1.000	1.000	0.0	99	0.00
35	C	1,1,1-trichloroethane	0.535	0.530	0.9	95	0.00
36	C	benzene	0.790	0.764	3.3	95	0.00
37	C	carbon tetrachloride	0.587	0.528	10.1	88	0.00
39	C	1,2-dichloropropane	0.348	0.346	0.6	99	0.00
40		bromodichloromethane	0.601	0.550	8.5	90	0.00
42	C	trichloroethene	0.386	0.381	1.3	96	0.00
45	C	cis-1,3-dichloropropene	0.434	0.428	1.4	94	0.00
46	C	4-methyl-2-pentanone	0.898	0.923	-2.8	95	0.00
47		trans-1,3-dichloropropene	0.434	0.365	15.9	79	0.00
48	C	1,1,2-trichloroethane	0.338	0.354	-4.7	101	0.00
49	I	chlorobenzene-D5	1.000	1.000	0.0	100	0.00
50	C	toluene	4.054	3.881	4.3	96	0.00
53		dibromochloromethane	2.903	2.295	20.9	77	0.00
54	C	1,2-dibromoethane	2.429	2.420	0.4	97	0.00
55	C	tetrachloroethene	2.093	1.986	5.1	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130412SIM\
Data File : R127638.D
Acq On : 12 Apr 2013 2:03 pm
Operator : AIRPIANO1:RY
Sample : WG601403-2,3,250,250
Misc : WG601403,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 12 14:29:04 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130412SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56		1,1,1,2-tetrachloroethane	2.114	1.790	15.3	83	0.00
57	C	chlorobenzene	3.397	3.341	1.6	97	0.00
58	C	ethylbenzene	5.192	5.134	1.1	97	0.00
59	C	m+p-xylene	4.037	4.006	0.8	96	0.00
60	C	bromoform	2.938	2.054	30.1#	67	0.00
61	C	styrene	3.127	3.087	1.3	95	0.00
62	C	1,1,2,2-tetrachloroethane	3.312	3.441	-3.9	101	0.00
63	C	o-xylene	4.207	4.187	0.5	98	0.00
65	C	isopropylbenzene	6.173	5.963	3.4	94	0.00
66		4-ethyl toluene	6.115	5.537	9.5	87	0.00
67		1,3,5-trimethylbenzene	5.019	4.982	0.7	97	0.00
69		1,2,4-trimethylbenzene	5.025	5.125	-2.0	98	0.00
71		1,3-dichlorobenzene	3.802	3.859	-1.5	96	0.00
72	C	1,4-dichlorobenzene	3.866	3.886	-0.5	96	0.00
73		sec-butylbenzene	7.834	7.471	4.6	91	0.00
74		p-isopropyltoluene	6.909	6.235	9.8	85	0.00
75		1,2-dichlorobenzene	3.657	3.683	-0.7	96	0.00
76		n-butylbenzene	6.251	6.380	-2.1	95	0.00
77	C	1,2,4-trichlorobenzene	2.939	3.246	-10.4	97	0.00
78		naphthalene	7.351	7.374	-0.3	94	0.00
79		1,2,3-trichlorobenzene	3.075	3.233	-5.1	98	0.00
80	C	hexachlorobutadiene	2.480	2.514	-1.4	94	0.00

* Evaluation of CC level amount vs concentration.

FORM VII TO15-SIM

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Instrument ID: AIRPIANO1 Calibration Date: 04/15/2013 Time: 11:57

Lab File ID: R127661 Init. Calib. Date(s): 04/02/13 04/03/13

Sample No: WG601750-2,3,25 Init. Calib. Times : 23:46 05:03

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	107	0.00
3		dichlorodifluoromethane	1.295	1.333	-2.9	117	0.00
4	C	chloromethane	0.681	0.692	-1.6	119	0.00
5		Freon-114	1.416	1.452	-2.5	114	0.00
6	C	vinyl chloride	0.580	0.592	-2.1	114	0.00
7	C	1,3-butadiene	0.462	0.489	-5.8	118	0.00
8	C	bromomethane	0.518	0.521	-0.6	113	0.00
9	C	chloroethane	0.259	0.257	0.8	114	0.00
12		acetone	1.082	1.142	-5.5	118	0.00
13		trichlorofluoromethane	1.554	1.599	-2.9	113	0.00
15	C	acrylonitrile	0.526	0.529	-0.6	110	0.00
16	C	1,1-dichloroethene	0.969	0.992	-2.4	111	0.00
17	C	methylene chloride	0.904	0.952	-5.3	116	0.00
20		Freon 113	1.080	1.115	-3.2	113	0.00
22		trans-1,2-dichloroethene	0.935	0.842	9.9	98	0.00
23	C	1,1-dichloroethane	1.083	1.072	1.0	111	0.00
24	C	MTBE	1.313	1.201	8.5	104	0.00
26	C	2-butanone	1.696	1.488	12.3	96	0.00
27		cis-1,2-dichloroethene	0.926	0.906	2.2	105	0.00
29	C	chloroform	1.169	1.211	-3.6	111	0.00
31	C	1,2-dichloroethane	0.883	0.889	-0.7	112	0.00
32	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00
35	C	1,1,1-trichloroethane	0.535	0.576	-7.7	108	0.00
36	C	benzene	0.790	0.818	-3.5	106	0.00
37	C	carbon tetrachloride	0.587	0.590	-0.5	102	0.00
39	C	1,2-dichloropropane	0.348	0.371	-6.6	110	0.00
40		bromodichloromethane	0.601	0.590	1.8	100	0.00
42	C	trichloroethene	0.386	0.409	-6.0	107	0.00
45	C	cis-1,3-dichloropropene	0.434	0.473	-9.0	108	0.00
46	C	4-methyl-2-pentanone	0.898	0.976	-8.7	105	0.00
47		trans-1,3-dichloropropene	0.434	0.404	6.9	91	0.00
48	C	1,1,2-trichloroethane	0.338	0.381	-12.7	113	0.00
49	I	chlorobenzene-D5	1.000	1.000	0.0	105	0.00
50	C	toluene	4.054	4.148	-2.3	107	0.00
53		dibromochloromethane	2.903	2.534	12.7	89	0.00
54	C	1,2-dibromoethane	2.429	2.607	-7.3	109	0.00
55	C	tetrachloroethene	2.093	2.145	-2.5	106	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130415SIM\
Data File : R127661.D
Acq On : 15 Apr 2013 11:57 am
Operator : AIRPIANO1:MB
Sample : WG601750-2,3,250,250
Misc : WG601750,ICAL7910
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 12:25:24 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130415SIM\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56		1,1,1,2-tetrachloroethane	2.114	1.959	7.3	94	0.00
57	C	chlorobenzene	3.397	3.572	-5.2	108	0.00
58	C	ethylbenzene	5.192	5.460	-5.2	107	0.00
59	C	m+p-xylene	4.037	4.299	-6.5	108	0.00
60	C	bromoform	2.938	2.324	20.9	79	0.00
61	C	styrene	3.127	3.316	-6.0	106	0.00
62	C	1,1,2,2-tetrachloroethane	3.312	3.653	-10.3	111	0.00
63	C	o-xylene	4.207	4.453	-5.8	109	0.00
65	C	isopropylbenzene	6.173	6.299	-2.0	103	0.00
66		4-ethyl toluene	6.115	5.610	8.3	92	0.00
67		1,3,5-trimethylbenzene	5.019	5.257	-4.7	107	0.00
69		1,2,4-trimethylbenzene	5.025	5.416	-7.8	108	0.00
71		1,3-dichlorobenzene	3.802	4.051	-6.5	105	0.00
72	C	1,4-dichlorobenzene	3.866	4.094	-5.9	105	0.00
73		sec-butylbenzene	7.834	7.792	0.5	98	0.00
74		p-isopropyltoluene	6.909	6.494	6.0	92	0.00
75		1,2-dichlorobenzene	3.657	3.882	-6.2	105	0.00
76		n-butylbenzene	6.251	6.610	-5.7	103	0.00
77	C	1,2,4-trichlorobenzene	2.939	3.388	-15.3	106	0.00
78		naphthalene	7.351	7.753	-5.5	103	0.00
79		1,2,3-trichlorobenzene	3.075	3.508	-14.1	110	0.00
80	C	hexachlorobutadiene	2.480	2.628	-6.0	102	0.00

* Evaluation of CC level amount vs concentration.

FORM VII TO15-SIM

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Instrument ID: AIRPIANO1 Calibration Date: 04/03/2013 Time: 07:41

Lab File ID: R127406 Init. Calib. Date(s): 04/02/13 04/03/13

Sample No: CTO15-SIMSTD5.0 Init. Calib. Times : 23:46 05:03

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	99	0.00
2		propylene	0.557	0.551	1.1	104	0.00
3		dichlorodifluoromethane	1.295	1.253	3.2	102	0.00
4	C	chloromethane	0.681	0.624	8.4	99	0.00
5		Freon-114	1.416	1.372	3.1	100	0.00
6	C	vinyl chloride	0.580	0.563	2.9	100	0.00
7	C	1,3-butadiene	0.462	0.469	-1.5	105	0.00
8	C	bromomethane	0.518	0.495	4.4	100	0.00
9	C	chloroethane	0.259	0.244	5.8	100	0.00
10		ethanol	0.477	0.471	1.3	97	0.00
11	C	vinyl bromide	0.515	0.499	3.1	99	0.00
12		acetone	1.082	1.128	-4.3	107	0.00
13		trichlorofluoromethane	1.554	1.522	2.1	100	0.00
14		isopropyl alcohol	1.456	1.488	-2.2	104	0.00
15	C	acrylonitrile	0.526	0.514	2.3	99	0.00
16	C	1,1-dichloroethene	0.969	0.968	0.1	100	0.00
17	C	methylene chloride	0.904	0.896	0.9	101	0.00
18	C	3-chloropropene	0.878	0.917	-4.4	105	0.00
19	C	carbon disulfide	1.466	1.400	4.5	98	0.00
20		Freon 113	1.080	1.073	0.6	101	0.00
21		Halothane	0.721	0.734	-1.8	103	0.00
22		trans-1,2-dichloroethene	0.935	0.843	9.8	91	0.00
23	C	1,1-dichloroethane	1.083	1.043	3.7	100	0.00
24	C	MTBE	1.313	1.261	4.0	100	0.00
25	C	vinyl acetate	1.911	1.993	-4.3	110	0.00
26	C	2-butanone	1.696	1.453	14.3	87	0.00
27		cis-1,2-dichloroethene	0.926	1.028	-11.0	110	0.00
28		Ethyl Acetate	0.221	0.222	-0.5	99	0.00
29	C	chloroform	1.169	1.190	-1.8	101	0.00
30		Tetrahydrofuran	0.934	0.918	1.7	97	0.00
31	C	1,2-dichloroethane	0.883	0.860	2.6	100	0.00
32	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00
33	C	hexane	0.486	0.476	2.1	99	0.00
34	s	1,2-dichloroethane-D4	0.294	0.300	-2.0	99	0.00
35	C	1,1,1-trichloroethane	0.535	0.558	-4.3	101	0.00
36	C	benzene	0.790	0.777	1.6	98	0.00
37	C	carbon tetrachloride	0.587	0.600	-2.2	101	0.00
38		cyclohexane	0.514	0.504	1.9	98	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	C	1,2-dichloropropane	0.348	0.352	-1.1	101	0.00
40		bromodichloromethane	0.601	0.599	0.3	98	0.00
41	C	1,4-dioxane	0.176	0.175	0.6	99	0.00
42	C	trichloroethene	0.386	0.393	-1.8	99	0.00
43	C	2,2,4-trimethylpentane	1.606	1.609	-0.2	99	0.00
44		heptane	0.687	0.674	1.9	100	0.00
45	C	cis-1,3-dichloropropene	0.434	0.479	-10.4	106	0.00
46	C	4-methyl-2-pentanone	0.898	0.949	-5.7	99	0.00
47		trans-1,3-dichloropropene	0.434	0.420	3.2	91	0.00
48	C	1,1,2-trichloroethane	0.338	0.361	-6.8	104	0.00
49	I	chlorobenzene-D5	1.000	1.000	0.0	100	0.00
50	C	toluene	4.054	4.088	-0.8	101	0.00
51	s	toluene-D8	3.067	3.070	-0.1	100	0.00
52		2-hexanone	3.369	3.764	-11.7	98	0.00
53		dibromochloromethane	2.903	2.831	2.5	95	0.00
54	C	1,2-dibromoethane	2.429	2.549	-4.9	102	0.00
55	C	tetrachloroethene	2.093	2.103	-0.5	99	0.00
56		1,1,1,2-tetrachloroethane	2.114	2.031	3.9	93	0.00
57	C	chlorobenzene	3.397	3.515	-3.5	101	0.00
58	C	ethylbenzene	5.192	5.457	-5.1	102	0.00
59	C	m+p-xylene	4.037	4.277	-5.9	102	0.00
60	C	bromoform	2.938	2.824	3.9	92	0.00
61	C	styrene	3.127	3.322	-6.2	102	0.00
62	C	1,1,2,2-tetrachloroethane	3.312	3.521	-6.3	102	0.00
63	C	o-xylene	4.207	4.403	-4.7	102	0.00
64	s	bromofluorobenzene	2.320	2.354	-1.5	99	0.00
65	C	isopropylbenzene	6.173	6.266	-1.5	98	0.00
66		4-ethyl toluene	6.115	6.023	1.5	94	0.00
67		1,3,5-trimethylbenzene	5.019	5.302	-5.6	103	0.00
68		tert-butylbenzene	5.724	5.656	1.2	95	0.00
69		1,2,4-trimethylbenzene	5.025	5.421	-7.9	103	0.00
70	C	Benzyl Chloride	4.386	4.562	-4.0	95	0.00
71		1,3-dichlorobenzene	3.802	4.176	-9.8	103	0.00
72	C	1,4-dichlorobenzene	3.866	4.203	-8.7	103	0.00
73		sec-butylbenzene	7.834	7.926	-1.2	95	0.00
74		p-isopropyltoluene	6.909	6.618	4.2	89	0.00
75		1,2-dichlorobenzene	3.657	4.029	-10.2	104	0.00
76		n-butylbenzene	6.251	6.723	-7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\
Data File : R127406.D
Acq On : 3 Apr 2013 7:41 am
Operator : AIRPIANO1:RY
Sample : CTO15-SIMSTD5.0
Misc : WG599306
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 03 15:24:07 2013
Quant Method : O:\Forensics\Data\AIR1\2013\130402SIM_ICAL\TSIM130402.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Apr 03 15:20:10 2013

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 C	1,2,4-trichlorobenzene	2.939	3.709	-26.2	111	0.00
78	naphthalene	7.351	8.535	-16.1	108	0.00
79	1,2,3-trichlorobenzene	3.075	3.765	-22.4	113	0.00
80 C	hexachlorobutadiene	2.480	2.906	-17.2	107	0.00

* Evaluation of CC level amount vs concentration.

FORM VII TO15-SIM

8A

VOLATILE ORGANICS INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID (Standard): R127638 Date Analyzed: 04/12/13

Instrument ID : AIRPIANO1 Time Analyzed: 14:03

		IS1		IS2		IS3	
		AREA	RT	AREA	RT	AREA	RT
	12 HOUR STD	268822	10.27	547088	12.49	132720	16.90
	UPPER LIMIT	376351	10.60	765923	12.82	185808	17.23
	LOWER LIMIT	161293	9.94	328253	12.16	79632	16.57
	EPA SAMPLE NO.						
01	WG601403-3LCS	268822	10.27	547088	12.49	132720	16.90
02	WG601403-4BLANK	266804	10.26	545166	12.48	131761	16.90
03	TRIP BLANK	234101	10.27	539919	12.49	133929	16.90
04	AR5-3-A	242492	10.27	536136	12.49	131173	16.90
05	AR6-3-A	239696	10.27	549626	12.49	134968	16.90
06	AR7-3-A	237619	10.27	546180	12.49	134697	16.90
07	AR8-3-A	236111	10.27	543945	12.49	136296	16.90
08	AR9-3-A	236475	10.27	539296	12.49	135970	16.90
09	AR10-3-A	233822	10.27	536432	12.49	133567	16.90
10	AR16-3-A	234526	10.27	539791	12.49	133848	16.90
11	AR17-3-A	233219	10.27	540123	12.49	132281	16.90
12	WG601403-5DUP	265828	10.27	538665	12.49	132467	16.90
13	AR11-3-A	266276	10.27	540943	12.49	132767	16.90
14	AR14-3-A	232886	10.27	536211	12.49	134696	16.90
15	AR15-3-A	270787	10.27	549961	12.49	137773	16.90
16	AR15-3-A-D	239987	10.27	562922	12.49	139806	16.90
17	AR15-3-A-D	243625	10.27	559825	12.49	138908	16.90
18	AR15-3-A	239522	10.27	560336	12.49	137719	16.90

IS1 = BROMOCHLOROMETHANE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40 % of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

* Values outside of QC limits.

8A

VOLATILE ORGANICS INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1306330

Lab File ID (Standard): R127661 Date Analyzed: 04/15/13

Instrument ID : AIRPIANO1 Time Analyzed: 11:57

		IS1		IS2		IS3	
		AREA	RT	AREA	RT	AREA	RT
	12 HOUR STD	277541	10.27	568916	12.49	138075	16.90
	UPPER LIMIT	388557	10.60	796482	12.82	193305	17.23
	LOWER LIMIT	166525	9.94	341350	12.16	82845	16.57
	EPA SAMPLE NO.						
01	WG601750-3LCS	277541	10.27	568916	12.49	138075	16.90
02	WG601750-4BLANK	237409	10.27	561811	12.49	136095	16.90
03	SV3-1-A	289185	10.27	590920	12.49	144544	16.90
04	WG601750-5DUP	244518	10.27	570742	12.49	139641	16.90
05	SV4-1-A	278959	10.27	571353	12.49	144461	16.90
06	SV2-1-A	278579	10.27	573004	12.49	143586	16.90
07	SV1-1-A	263440	10.27	577508	12.49	140393	16.90
08	SV5-1-A	247785	10.27	581504	12.49	142361	16.90
09	SV6-1-A	280878	10.27	579195	12.49	140114	16.90
10	SV7-1-A	241697	10.27	570725	12.49	138505	16.90
11	SV9-1-A	241699	10.27	566814	12.49	138332	16.90
12	SV8-1-A	274864	10.27	559488	12.49	137488	16.90
13	SV10-1-A	270721	10.27	552432	12.49	135877	16.90
14	SV11-1-A	276067	10.27	561478	12.49	136740	16.90
15	SV12-1-A	234165	10.27	539042	12.49	132442	16.90
16	SV14-1-A	269629	10.27	552252	12.49	137785	16.90
17	SV13-1-A	237090	10.27	549332	12.49	135793	16.90
18	SV15-1-A	235316	10.27	545708	12.49	135029	16.90
19	SV15-1-A-D	268706	10.27	552101	12.49	135559	16.90

IS1 = BROMOCHLOROMETHANE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40 % of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

* Values outside of QC limits.

Field QC Assignments and Associated Samples

EDD File Name: L1306330
eQapp Name: ScotiaNavyDepot2

	Associated Samples	Sample Collection Date
Field QC Sample: AR15-3-A-D **QC Type:** Field_Duplicate		
	AR15-3-A	4/5/2013 3:44:00 PM
Field QC Sample: SV15-1-A-D **QC Type:** Field_Duplicate		
	SV15-1-A	4/5/2013 4:05:00 PM
Field QC Sample: TRIP BLANK **QC Type:** Trip_Blank		
	SV2-1-A	4/4/2013 11:18:00 AM
	AR17-3-A	4/5/2013 3:24:00 PM
	AR8-3-A	4/4/2013 3:44:00 PM
	SV11-1-A	4/5/2013 3:24:00 PM
	AR14-3-A	4/5/2013 3:48:00 PM
	SV12-1-A	4/5/2013 3:32:00 PM
	AR15-3-A	4/5/2013 3:44:00 PM
	SV15-1-A	4/5/2013 4:05:00 PM
	AR11-3-A	4/5/2013 3:28:00 PM
	AR5-3-A	4/4/2013 3:00:00 PM
	AR10-3-A	4/4/2013 3:32:00 PM
	SV5-1-A	4/4/2013 3:44:00 PM
	SV8-1-A	4/4/2013 5:46:00 PM
	SV1-1-A	4/3/2013 5:40:00 PM
	SV15-1-A-D	4/5/2013 4:05:00 PM
	SV4-1-A	4/4/2013 12:14:00 PM
	AR16-3-A	4/4/2013 3:52:00 PM
	SV7-1-A	4/4/2013 4:22:00 PM
	AR15-3-A-D	4/5/2013 3:44:00 PM
	AR9-3-A	4/4/2013 3:42:00 PM
	AR7-3-A	4/4/2013 3:19:00 PM
	AR6-3-A	4/4/2013 2:07:00 PM
	SV9-1-A	4/4/2013 5:22:00 PM
	SV14-1-A	4/5/2013 4:15:00 PM
	SV13-1-A	4/5/2013 4:10:00 PM

	Associated Samples	Sample Collection Date
	SV3-1-A	4/4/2013 11:58:00 AM
	SV10-1-A	4/4/2013 5:18:00 PM
	SV6-1-A	4/4/2013 4:08:00 PM

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **AR10-3-A** ***Collected:*** **4/4/2013 3:32:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROPROPANE	0.007	J	0.006	MDL	0.02	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	0.095	J	0.042	MDL	0.5	RDL	ppbV	J	RI
ACRYLONITRILE	0.018	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROBENZENE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.009	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.017	J	0.006	MDL	0.02	RDL	ppbV	J	RI
CIS-1,2-DICHLOROETHENE	0.012	J	0.007	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	1.93		0.250	MDL	1	RDL	ppbV	U	Tb
P-ISOPROPYLTOLUENE	0.206	J	0.048	MDL	0.5	RDL	ppbV	J	RI
TRANS-1,2-DICHLOROETHENE	0.007	J	0.006	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **AR11-3-A** ***Collected:*** **4/5/2013 3:28:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	0.015	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROPROPANE	0.007	J	0.006	MDL	0.02	RDL	ppbV	J	RI
1,3,5-TRIMETHYLBENZENE	0.009	J	0.005	MDL	0.02	RDL	ppbV	J	RI
1,3-Butadiene	0.018	J	0.006	MDL	0.02	RDL	ppbV	J	RI
2-BUTANONE	0.331	J	0.025	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.011	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.007	J	0.007	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.014	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.526	J	0.250	MDL	1	RDL	ppbV	U	Tb
NAPHTHALENE	0.043	J	0.012	MDL	0.05	RDL	ppbV	J	RI

Sample ID: **AR14-3-A** ***Collected:*** **4/5/2013 3:48:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1-TRICHLOROETHANE	0.014	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.017	J	0.008	MDL	0.02	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	0.424	J	0.042	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.010	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.008	J	0.007	MDL	0.02	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **AR14-3-A** ***Collected:*** **4/5/2013 3:48:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.017	J	0.006	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.402	J	0.250	MDL	1	RDL	ppbV	U	Tb
NAPHTHALENE	0.033	J	0.012	MDL	0.05	RDL	ppbV	J	RI
STYRENE	0.015	J	0.008	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **AR15-3-A** ***Collected:*** **4/5/2013 3:44:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1-TRICHLOROETHANE	0.013	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,1,2,2-TETRACHLOROETHANE	0.018	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.019	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROPROPANE	0.010	J	0.006	MDL	0.02	RDL	ppbV	J	RI
ACRYLONITRILE	0.033	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMODICHLOROMETHANE	0.012	J	0.008	MDL	0.02	RDL	ppbV	J	RI
BROMOMETHANE	0.008	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.016	J	0.007	MDL	0.02	RDL	ppbV	J	RI
DIBROMOCHLOROMETHANE	0.011	J	0.008	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.013	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.805	J	0.250	MDL	1	RDL	ppbV	U	Tb
P-ISOPROPYLTOLUENE	0.284	J	0.048	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **AR15-3-A-D** ***Collected:*** **4/5/2013 3:44:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1-TRICHLOROETHANE	0.013	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,1,2,2-TETRACHLOROETHANE	0.017	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROPROPANE	0.009	J	0.006	MDL	0.02	RDL	ppbV	J	RI
ACRYLONITRILE	0.039	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMODICHLOROMETHANE	0.013	J	0.008	MDL	0.02	RDL	ppbV	J	RI
BROMOMETHANE	0.012	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.018	J	0.007	MDL	0.02	RDL	ppbV	J	RI
DIBROMOCHLOROMETHANE	0.011	J	0.008	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.519	J	0.250	MDL	1	RDL	ppbV	U	Tb

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **AR15-3-A-D** ***Collected:*** **4/5/2013 3:44:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
P-ISOPROPYLTOLUENE	0.271	J	0.048	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **AR16-3-A** ***Collected:*** **4/4/2013 3:52:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,4-TRIMETHYLBENZENE	0.011	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.016	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROPROPANE	0.006	J	0.006	MDL	0.02	RDL	ppbV	J	RI
1,3,5-TRIMETHYLBENZENE	0.005	J	0.005	MDL	0.02	RDL	ppbV	J	RI
2-BUTANONE	0.165	J	0.025	MDL	0.5	RDL	ppbV	J	RI
BENZENE	0.090	J	0.021	MDL	0.1	RDL	ppbV	J	RI
BROMOMETHANE	0.011	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.008	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.012	J	0.006	MDL	0.02	RDL	ppbV	J	RI
ETHYLBENZENE	0.009	J	0.007	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
m,p-Xylene	0.025	J	0.009	MDL	0.04	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.288	J	0.250	MDL	1	RDL	ppbV	U	Tb
O-XYLENE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **AR17-3-A** ***Collected:*** **4/5/2013 3:24:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,4-TRIMETHYLBENZENE	0.016	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.019	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,3,5-TRIMETHYLBENZENE	0.006	J	0.005	MDL	0.02	RDL	ppbV	J	RI
1,3-Butadiene	0.013	J	0.006	MDL	0.02	RDL	ppbV	J	RI
BROMOMETHANE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.013	J	0.006	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.256	J	0.250	MDL	1	RDL	ppbV	U	Tb

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **AR5-3-A** ***Collected:*** **4/4/2013 3:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,4-TRIMETHYLBENZENE	0.011	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.017	J	0.008	MDL	0.02	RDL	ppbV	J	RI
2-BUTANONE	0.289	J	0.025	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.010	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.008	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.018	J	0.006	MDL	0.02	RDL	ppbV	J	RI
ETHYLBENZENE	0.018	J	0.007	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
NAPHTHALENE	0.012	J	0.012	MDL	0.05	RDL	ppbV	J	RI
O-XYLENE	0.015	J	0.008	MDL	0.02	RDL	ppbV	J	RI
STYRENE	0.013	J	0.008	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **AR6-3-A** ***Collected:*** **4/4/2013 2:07:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1-TRICHLOROETHANE	0.011	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.019	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,3,5-TRIMETHYLBENZENE	0.018	J	0.005	MDL	0.02	RDL	ppbV	J	RI
1,4-DICHLOROBENZENE	0.010	J	0.008	MDL	0.02	RDL	ppbV	J	RI
4-ETHYLTOLUENE	0.018	J	0.010	MDL	0.02	RDL	ppbV	J	RI
ACRYLONITRILE	0.030	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.008	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.010	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.012	J	0.006	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.282	J	0.250	MDL	1	RDL	ppbV	U	Tb
NAPHTHALENE	0.030	J	0.012	MDL	0.05	RDL	ppbV	J	RI

Sample ID: **AR7-3-A** ***Collected:*** **4/4/2013 3:19:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1-TRICHLOROETHANE	0.007	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2,4-TRIMETHYLBENZENE	0.015	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.016	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROPROPANE	0.006	J	0.006	MDL	0.02	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **AR7-3-A** ***Collected:*** **4/4/2013 3:19:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,3,5-TRIMETHYLBENZENE	0.005	J	0.005	MDL	0.02	RDL	ppbV	J	RI
2-BUTANONE	0.444	J	0.025	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.015	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.010	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.013	J	0.006	MDL	0.02	RDL	ppbV	J	RI
ETHYLBENZENE	0.017	J	0.007	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
NAPHTHALENE	0.035	J	0.012	MDL	0.05	RDL	ppbV	J	RI
O-XYLENE	0.017	J	0.008	MDL	0.02	RDL	ppbV	J	RI
STYRENE	0.015	J	0.008	MDL	0.02	RDL	ppbV	J	RI
TRICHLOROETHENE	0.011	J	0.007	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **AR8-3-A** ***Collected:*** **4/4/2013 3:44:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROPROPANE	0.007	J	0.006	MDL	0.02	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	0.157	J	0.042	MDL	0.5	RDL	ppbV	J	RI
ACRYLONITRILE	0.027	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROBENZENE	0.012	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.010	J	0.007	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
ISOPROPYLBENZENE	0.065	J	0.046	MDL	0.5	RDL	ppbV	J	RI
METHYLENE CHLORIDE	1.40		0.250	MDL	1	RDL	ppbV	U	Tb
P-ISOPROPYLTOLUENE	0.479	J	0.048	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **AR9-3-A** ***Collected:*** **4/4/2013 3:42:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	0.018	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROPROPANE	0.006	J	0.006	MDL	0.02	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	0.103	J	0.042	MDL	0.5	RDL	ppbV	J	RI
ACRYLONITRILE	0.016	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.008	J	0.008	MDL	0.02	RDL	ppbV	J	RI
CHLOROETHANE	0.007	J	0.007	MDL	0.02	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **AR9-3-A** ***Collected:*** **4/4/2013 3:42:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.017	J	0.006	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.015	J	0.005	MDL	0.05	RDL	ppbV	J	RI
ISOPROPYLBENZENE	0.052	J	0.046	MDL	0.5	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.531	J	0.250	MDL	1	RDL	ppbV	U	Tb
P-ISOPROPYLTOLUENE	0.220	J	0.048	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **SV10-1-A** ***Collected:*** **4/4/2013 5:18:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **3.333**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.067	J	0.020	MDL	0.167	RDL	ppbV	J	RI
ACRYLONITRILE	0.367	J	0.050	MDL	1.67	RDL	ppbV	J	RI
CHLOROMETHANE	0.497	J	0.160	MDL	1.67	RDL	ppbV	J	RI
METHYLENE CHLORIDE	1.88	J	0.833	MDL	3.33	RDL	ppbV	U	Tb
NAPHTHALENE	0.053	J	0.040	MDL	0.167	RDL	ppbV	U	Mb
STYRENE	0.053	J	0.027	MDL	0.067	RDL	ppbV	J	RI

Sample ID: **SV11-1-A** ***Collected:*** **4/5/2013 3:24:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	0.012	J	0.008	MDL	0.02	RDL	ppbV	J	RI
1,3-Butadiene	0.017	J	0.006	MDL	0.02	RDL	ppbV	J	RI
ACRYLONITRILE	0.039	J	0.015	MDL	0.5	RDL	ppbV	J	RI
CHLOROETHANE	0.018	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROMETHANE	0.160	J	0.048	MDL	0.5	RDL	ppbV	J	RI
FREON 114	0.014	J	0.005	MDL	0.05	RDL	ppbV	J	RI
ISOPROPYLBENZENE	0.123	J	0.046	MDL	0.5	RDL	ppbV	J	RI
METHYLENE CHLORIDE	2.21		0.250	MDL	1	RDL	ppbV	U	Tb
TRICHLOROETHENE	0.015	J	0.007	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **SV1-1-A** ***Collected:*** **4/3/2013 5:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACETONE	49.8		0.739	MDL	2	RDL	ppbV	J	ProfJudg
ACRYLONITRILE	0.133	J	0.015	MDL	0.5	RDL	ppbV	J	RI
CHLOROMETHANE	0.154	J	0.048	MDL	0.5	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **SV1-1-A** ***Collected:*** **4/3/2013 5:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FREON 114	0.016	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYL TERT-BUTYL ETHER	0.007	J	0.004	MDL	0.02	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.403	J	0.250	MDL	1	RDL	ppbV	U	Tb
N-BUTYLBENZENE	0.076	J	0.045	MDL	0.5	RDL	ppbV	J	RI
P-ISOPROPYLTOLUENE	0.296	J	0.048	MDL	0.5	RDL	ppbV	J	RI
TETRACHLOROETHENE	0.012	J	0.008	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **SV12-1-A** ***Collected:*** **4/5/2013 3:32:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.195	J	0.030	MDL	0.25	RDL	ppbV	J	RI
1,3-Butadiene	0.040	J	0.030	MDL	0.1	RDL	ppbV	J	RI
1,4-DICHLOROBENZENE	0.045	J	0.040	MDL	0.1	RDL	ppbV	J	RI
2-BUTANONE	1.39	J	0.124	MDL	2.5	RDL	ppbV	J	RI
ACETONE	9.95	J	3.70	MDL	10	RDL	ppbV	J	RI
BENZENE	0.240	J	0.105	MDL	0.5	RDL	ppbV	J	RI
CHLOROETHANE	0.060	J	0.035	MDL	0.1	RDL	ppbV	J	RI
CHLOROMETHANE	0.460	J	0.240	MDL	2.5	RDL	ppbV	J	RI
FREON 114	0.035	J	0.025	MDL	0.25	RDL	ppbV	J	RI
METHYL TERT-BUTYL ETHER	0.025	J	0.020	MDL	0.1	RDL	ppbV	J	RI
METHYLENE CHLORIDE	2.60	J	1.25	MDL	5	RDL	ppbV	U	Tb
NAPHTHALENE	0.090	J	0.060	MDL	0.25	RDL	ppbV	U	Mb
SEC-BUTYLBENZENE	0.265	J	0.235	MDL	2.5	RDL	ppbV	J	RI
TRICHLOROETHENE	0.055	J	0.035	MDL	0.1	RDL	ppbV	J	RI
TRICHLOROFLUOROMETHANE	0.245	J	0.040	MDL	0.25	RDL	ppbV	J	RI

Sample ID: **SV13-1-A** ***Collected:*** **4/5/2013 4:10:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.210	J	0.060	MDL	0.5	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	1.95	J	0.420	MDL	5	RDL	ppbV	J	RI
BENZENE	0.230	J	0.210	MDL	1	RDL	ppbV	J	RI
METHYLENE CHLORIDE	3.54	J	2.50	MDL	10	RDL	ppbV	U	Tb
TRICHLOROFLUOROMETHANE	0.490	J	0.080	MDL	0.5	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **SV14-1-A** ***Collected:*** **4/5/2013 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-DICHLOROETHENE	0.007	J	0.007	MDL	0.02	RDL	ppbV	J	RI
1,2-DICHLOROETHANE	0.019	J	0.008	MDL	0.02	RDL	ppbV	J	RI
ACETONE	27.7		0.739	MDL	2	RDL	ppbV	J	ProfJudg
ACRYLONITRILE	0.127	J	0.015	MDL	0.5	RDL	ppbV	J	RI
BROMOMETHANE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI
FREON 114	0.014	J	0.005	MDL	0.05	RDL	ppbV	J	RI
ISOPROPYLBENZENE	0.489	J	0.046	MDL	0.5	RDL	ppbV	J	RI
P-ISOPROPYLTOLUENE	0.082	J	0.048	MDL	0.5	RDL	ppbV	J	RI
SEC-BUTYLBENZENE	0.053	J	0.047	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **SV15-1-A** ***Collected:*** **4/5/2013 4:05:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **1.25**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	0.013	J	0.010	MDL	0.025	RDL	ppbV	J	RI
CHLOROMETHANE	0.140	J	0.060	MDL	0.625	RDL	ppbV	J	RI
FREON 114	0.016	J	0.006	MDL	0.063	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.479	J	0.312	MDL	1.25	RDL	ppbV	U	Tb
NAPHTHALENE	0.074		0.015	MDL	0.063	RDL	ppbV	U	Mb
P-ISOPROPYLTOLUENE	0.085	J	0.060	MDL	0.625	RDL	ppbV	J	RI

Sample ID: **SV15-1-A-D** ***Collected:*** **4/5/2013 4:05:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **1.25**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	0.014	J	0.010	MDL	0.025	RDL	ppbV	J	RI
CHLOROMETHANE	0.198	J	0.060	MDL	0.625	RDL	ppbV	J	RI
FREON 114	0.014	J	0.006	MDL	0.063	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.781	J	0.312	MDL	1.25	RDL	ppbV	U	Tb
NAPHTHALENE	0.069		0.015	MDL	0.063	RDL	ppbV	U	Mb
P-ISOPROPYLTOLUENE	0.076	J	0.060	MDL	0.625	RDL	ppbV	J	RI

Sample ID: **SV2-1-A** ***Collected:*** **4/4/2013 11:18:00** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	0.010	J	0.008	MDL	0.02	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	0.482	J	0.042	MDL	0.5	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **SV2-1-A** ***Collected:*** **4/4/2013 11:18:00** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACRYLONITRILE	0.018	J	0.015	MDL	0.5	RDL	ppbV	J	RI
CHLOROETHANE	0.015	J	0.007	MDL	0.02	RDL	ppbV	J	RI
CHLOROFORM	0.014	J	0.006	MDL	0.02	RDL	ppbV	J	RI
CHLOROMETHANE	0.244	J	0.048	MDL	0.5	RDL	ppbV	J	RI
FREON 114	0.013	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYL TERT-BUTYL ETHER	0.005	J	0.004	MDL	0.02	RDL	ppbV	J	RI
METHYLENE CHLORIDE	1.15		0.250	MDL	1	RDL	ppbV	U	Tb
N-BUTYLBENZENE	0.492	J	0.045	MDL	0.5	RDL	ppbV	J	RI
TETRACHLOROETHENE	0.009	J	0.008	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **SV3-1-A** ***Collected:*** **4/4/2013 11:58:00** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-METHYL-2-PENTANONE	0.446	J	0.042	MDL	0.5	RDL	ppbV	J	RI
ACRYLONITRILE	0.198	J	0.015	MDL	0.5	RDL	ppbV	J	RI
CARBON TETRACHLORIDE	0.038		0.008	MDL	0.02	RDL	ppbV	J	Ld
CHLOROMETHANE	0.268	J	0.048	MDL	0.5	RDL	ppbV	J	RI
FREON 114	0.013	J	0.005	MDL	0.05	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.667	J	0.250	MDL	1	RDL	ppbV	U	Tb
NAPHTHALENE	0.041	J	0.012	MDL	0.05	RDL	ppbV	U	Mb
VINYL CHLORIDE	0.007	J	0.007	MDL	0.02	RDL	ppbV	J	RI

Sample ID: **SV4-1-A** ***Collected:*** **4/4/2013 12:14:00** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.058	J	0.012	MDL	0.1	RDL	ppbV	J	RI
1,4-DICHLOROBENZENE	0.032	J	0.016	MDL	0.04	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	0.590	J	0.084	MDL	1	RDL	ppbV	J	RI
ACRYLONITRILE	0.256	J	0.030	MDL	1	RDL	ppbV	J	RI
BROMOMETHANE	0.020	J	0.016	MDL	0.04	RDL	ppbV	J	RI
CHLOROETHANE	0.036	J	0.014	MDL	0.04	RDL	ppbV	J	RI
CHLOROMETHANE	0.466	J	0.096	MDL	1	RDL	ppbV	J	RI
FREON 114	0.014	J	0.010	MDL	0.1	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.584	J	0.500	MDL	2	RDL	ppbV	U	Tb
NAPHTHALENE	0.028	J	0.024	MDL	0.1	RDL	ppbV	U	Mb

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **SV4-1-A** ***Collected:*** **4/4/2013 12:14:00** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
N-BUTYLBENZENE	0.276	J	0.090	MDL	1	RDL	ppbV	J	RI
P-ISOPROPYLTOLUENE	0.616	J	0.096	MDL	1	RDL	ppbV	J	RI
SEC-BUTYLBENZENE	0.690	J	0.094	MDL	1	RDL	ppbV	J	RI
TRICHLOROETHENE	0.034	J	0.014	MDL	0.04	RDL	ppbV	J	RI

Sample ID: **SV5-1-A** ***Collected:*** **4/4/2013 3:44:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACRYLONITRILE	0.116	J	0.030	MDL	1	RDL	ppbV	J	RI
CHLOROETHANE	0.032	J	0.014	MDL	0.04	RDL	ppbV	J	RI
CHLOROFORM	0.030	J	0.012	MDL	0.04	RDL	ppbV	J	RI
CHLOROMETHANE	0.148	J	0.096	MDL	1	RDL	ppbV	J	RI
FREON 114	0.016	J	0.010	MDL	0.1	RDL	ppbV	J	RI
ISOPROPYLBENZENE	0.098	J	0.092	MDL	1	RDL	ppbV	J	RI
METHYLENE CHLORIDE	0.602	J	0.500	MDL	2	RDL	ppbV	U	Tb
NAPHTHALENE	0.072	J	0.024	MDL	0.1	RDL	ppbV	U	Mb
TETRACHLOROETHENE	0.024	J	0.016	MDL	0.04	RDL	ppbV	J	RI
TRICHLOROETHENE	0.034	J	0.014	MDL	0.04	RDL	ppbV	J	RI

Sample ID: **SV6-1-A** ***Collected:*** **4/4/2013 4:08:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.088	J	0.012	MDL	0.1	RDL	ppbV	J	RI
1,4-DICHLOROBENZENE	0.022	J	0.016	MDL	0.04	RDL	ppbV	J	RI
CHLOROFORM	0.036	J	0.012	MDL	0.04	RDL	ppbV	J	RI
CHLOROMETHANE	0.138	J	0.096	MDL	1	RDL	ppbV	J	RI
FREON 114	0.014	J	0.010	MDL	0.1	RDL	ppbV	J	RI
NAPHTHALENE	0.056	J	0.024	MDL	0.1	RDL	ppbV	U	Mb
TETRACHLOROETHENE	0.024	J	0.016	MDL	0.04	RDL	ppbV	J	RI

Sample ID: **SV7-1-A** ***Collected:*** **4/4/2013 4:22:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.090	J	0.060	MDL	0.5	RDL	ppbV	J	RI
1,3,5-TRIMETHYLBENZENE	0.060	J	0.050	MDL	0.2	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Method Category: **VOA**

Method: **TO-15SIM** ***Matrix:*** **AIR**

Sample ID: **SV7-1-A** ***Collected:*** **4/4/2013 4:22:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-METHYL-2-PENTANONE	1.52	J	0.420	MDL	5	RDL	ppbV	J	RI
ACRYLONITRILE	0.230	J	0.150	MDL	5	RDL	ppbV	J	RI
BENZENE	0.510	J	0.210	MDL	1	RDL	ppbV	J	RI
CHLOROFORM	0.150	J	0.060	MDL	0.2	RDL	ppbV	J	RI
ETHYLBENZENE	0.110	J	0.070	MDL	0.2	RDL	ppbV	J	RI
m,p-Xylene	0.330	J	0.090	MDL	0.4	RDL	ppbV	J	RI
O-XYLENE	0.150	J	0.080	MDL	0.2	RDL	ppbV	J	RI
TRICHLOROFLUOROMETHANE	0.290	J	0.080	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **SV8-1-A** ***Collected:*** **4/4/2013 5:46:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,3-Butadiene	0.120	J	0.060	MDL	0.2	RDL	ppbV	J	RI
4-METHYL-2-PENTANONE	3.01	J	0.420	MDL	5	RDL	ppbV	J	RI
BENZENE	0.590	J	0.210	MDL	1	RDL	ppbV	J	RI
STYRENE	0.090	J	0.080	MDL	0.2	RDL	ppbV	J	RI
TRICHLOROFLUOROMETHANE	0.350	J	0.080	MDL	0.5	RDL	ppbV	J	RI

Sample ID: **SV9-1-A** ***Collected:*** **4/4/2013 5:22:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **3.333**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACRYLONITRILE	0.090	J	0.050	MDL	1.67	RDL	ppbV	J	RI
CHLOROMETHANE	0.200	J	0.160	MDL	1.67	RDL	ppbV	J	RI
FREON 114	0.017	J	0.017	MDL	0.167	RDL	ppbV	J	RI
METHYLENE CHLORIDE	3.28	J	0.833	MDL	3.33	RDL	ppbV	U	Tb
NAPHTHALENE	0.057	J	0.040	MDL	0.167	RDL	ppbV	U	Mb
STYRENE	0.060	J	0.027	MDL	0.067	RDL	ppbV	J	RI
TETRACHLOROETHENE	0.060	J	0.027	MDL	0.067	RDL	ppbV	J	RI

Sample ID: **TRIP BLANK** ***Collected:*** **4/3/2013 12:00:00** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1.0**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.798	J	0.250	MDL	1	RDL	ppbV	J	RI

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

Data Qualifier Summary

Lab Reporting Batch ID: L1306330 **Laboratory: AAL**

EDD Filename: L1306330_2a **eQAPP Name: ScotiaNavyDepot2**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
Tb	Trip Blank Contamination

* denotes a non-reportable result

Project Name and Number: 102305-R-07 - SCOTIA NAVAL DEPOT

APPENDIX D: NYSDOH SOIL VAPOR INTRUSION MATRICES

Summary of New York State Department of Environmental Conservation Indoor Air / Soil Vapor Matrix Decisions
Defense National Stockpile Center Scotia Depot Site - 400 Buildings

BUILDING 201

LOCATION	NYSDOH Indoor	NYSDOH	NYSDEC Sub-Slab Vapor Concentration of Compound (µg/m³)				NYSDEC Indoor Air Concentration of Compound (µg/m³)				SV5-1-A	AR5-3-A		SV6-1-A	AR6-3-A		SV7-1-A	AR7-3-A	
SAMPLING DATE	Air Guideline[2]	Matrix									04-APR-13	04-APR-13		04-APR-13	04-APR-13		04-APR-13	04-APR-13	
LAB SAMPLE ID											L1306330-08	L1306330-05	Matrix decision[1]	L1306330-09	L1306330-06	Matrix decision[1]	L1306330-10	L1306330-07	Matrix decision[1]
Volatile Organics in Air by SIM - (µg/m³)																			
1,1,1-Trichloroethane		2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	0.655	0.109 U	NFA	2.75	0.06 J	NFA	1.8	0.038 J	NFA
Carbon tetrachloride		1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	70.5	0.591	Monitor / Mitigate	1.59	1.79	RPA	1620	4.22	Mitigate
Tetrachloroethene	100	2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	0.163 J	0.136 U	NFA	0.163 J	0.136 U	NFA	1.36 U	0.136 U	NFA
Trichloroethene	5	1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	0.183 J	0.107 U	NFA	1.26	0.597	RPA	1.07 U	0.059 J	NFA

BUILDING 202

LOCATION	NYSDOH Indoor	NYSDOH	NYSDEC Sub-Slab Vapor Concentration of Compound (µg/m³)				NYSDEC Indoor Air Concentration of Compound (µg/m³)				SV8-1-A	AR8-3-A		SV9-1-A	AR9-3-A		SV10-1-A	AR10-3-A	
SAMPLING DATE	Air Guideline[2]	Matrix									04-APR-13	04-APR-13		04-APR-13	04-APR-13		04-APR-13	04-APR-13	
LAB SAMPLE ID											L1306330-17	L1306330-12	Matrix decision[1]	L1306330-16	L1306330-13	Matrix decision[1]	L1306330-18	L1306330-14	Matrix decision[1]
Volatile Organics in Air by SIM - (µg/m³)																			
1,1,1-Trichloroethane		2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	687	1.29	Monitor	61.1	0.355	NFA	17.8	0.398	NFA
Carbon tetrachloride		1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	2130	3.45	Mitigate	49.8	0.679	Monitor	5.24	0.66	Monitor
Tetrachloroethene	100	2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	1.36 U	0.495	NFA	0.407 J	0.414	NFA	1.13	1.44	NFA
Trichloroethene	5	1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	1.29	1.3	RPA	2.47	1.57	RPA	23	2.52	Monitor

BUILDING 203

LOCATION	NYSDOH Indoor	NYSDOH	NYSDEC Sub-Slab Vapor Concentration of Compound (µg/m³)				NYSDEC Indoor Air Concentration of Compound (µg/m³)				SV11-1-A	AR11-3-A		SV12-1-A		
SAMPLING DATE	Air Guideline[2]	Matrix									05-APR-13	05-APR-13		04-APR-13		
LAB SAMPLE ID											L1306330-21	L1306330-20	Matrix decision[1]	L1306330-22		Matrix decision[1]
Volatile Organics in Air by SIM - (µg/m³)																
1,1,1-Trichloroethane		2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	91.1	0.682	NFA	69.3		≥RPA
Carbon tetrachloride		1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	160	3.85	Mitigate	881		Mitigate
Tetrachloroethene	100	2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	0.292	0.21	NFA	0.678		≥RPA
Trichloroethene	5	1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	0.081 J	0.107 U	NFA	0.296		≥RPA

BUILDING 204

LOCATION	NYSDOH Indoor	NYSDOH	NYSDEC Sub-Slab Vapor Concentration of Compound (µg/m³)				NYSDEC Indoor Air Concentration of Compound (µg/m³)				SV13-1-A			SV14-1-A	AR14-3-A		AR15-3-A	AR15-3-A-D		AR15-3-A	AR15-3-A-D	
SAMPLING DATE	Air Guideline[2]	Matrix									04-APR-13			05-APR-13	05-APR-13		05-APR-13	05-APR-13		05-APR-13	05-APR-13	
LAB SAMPLE ID											L1306330-27		Matrix decision[1]	L1306330-23	L1306330-24	Matrix decision[1]	L1306330-25	L1306330-26	Matrix decision[1]	L1306330-25	L1306330-26	Matrix decision[1]
Volatile Organics in Air by SIM - (µg/m³)																						
1,1,1-Trichloroethane		2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	9.17		≥RPA	0.376	0.076 J	NFA	0.071 J	0.071 J	NFA	0.071 J	0.071 J	NFA
Carbon tetrachloride		1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	550		Mitigate	1.26	0.453	NFA	0.591	0.591	Monitor	0.591	0.591	Monitor
Tetrachloroethene	100	2	<100	<100	100 to 1,000	>1,000	<3	3 to 30	30 to 100	>100	1.83		≥RPA	0.563	0.19	NFA	0.264	0.271	NFA	0.264	0.271	NFA
Trichloroethene	5	1	<5	5 to 50	50 to 250	>250	<0.25	0.25 to 1	1 to 5	>5	1,320		Mitigate	27.4	0.613	Monitor	0.607	0.607	Monitor	0.607	0.607	Monitor

NFA - No further action.

RPA - Take reasonable and practical actions to identify source(s) and reduce exposures.

≥RPA - The lack of corresponding indoor air data indicate the best possible recommendation is to take reasonable and practical actions to identify source(s) and reduce exposures.

Note 1: NYDEC *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , New York State Department of Health (NYSDoH) values included in Tables 3.1 and 3.3, and Matrices 1 and 2, dated October 2006.

All Mitigation recommendations are the result of carbon tetrachlroide impacts.

Summary of New York State Department of Environmental Conservation Indoor Air / Soil Vapor Matrix Decisions
Defense National Stockpile Center Scotia Depot Site - 200 Buildings

LOCATION SAMPLING DATE LAB SAMPLE ID	NYSDoH Indoor Air Guideline[1]	NYSDoH Matrix	NYSDEC Sub-Slab Vapor Concentration of Compound ($\mu g/m^3$)				SV1-1-A 04-APR-13 L1306330-08	Matrix decision[1]	SV2-1-A 04-APR-13 L1306330-09	Matrix decision[1]	SV3-1-A 04-APR-13 L1306330-10	Matrix decision[1]	SV4-1-A 04-APR-13 L1306330-17	Matrix decision[1]
Volatile Organics in Air by SIM -($\mu g/m^3$)														
Carbon tetrachloride		1	<5	5 to 50	50 to 250	>250	7.49	≤Mitigate	2.08	≤RPA	0.239	≤RPA	0.39	≤RPA
Trichloroethene	5	1	<5	5 to 50	50 to 250	>250	12.5	≤Mitigate	0.451	≤RPA	0.258	≤RPA	0.183 J	≤RPA
1,1,1-Trichloroethane		2	<100	<100	100 to 1,000	>1,000	18.7	≤RPA	1.31	≤RPA	0.998	≤RPA	13.3	≤RPA
Tetrachloroethene	100	2	<100	<100	100 to 1,000	>1,000	0.081 J	≤RPA	0.061 J	≤RPA	1.36 U	≤RPA	0.271 U	≤RPA

≤RPA - The lack of corresponding indoor air data indicate the worst possible recommendation is to take reasonable and practical actions to identify source(s) and reduce exposur

≤Mitigate - The lack of corresponding indoor air data indicate the worst possible recommendation is to mitigat

Note 1: NYDEC *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , New York State Department of Health (NYSDoH) values included in Tables 3.1 and 3.3, and Matrices 1 and 2, dated October 2006. Without indoor air results, only minimum or maximum outcomes can be determine