



# SHIPPING DOCUMENTS

|                                                                                             |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
|---------------------------------------------------------------------------------------------|--|----------------|--------------------------|---------------------------------------------------------|-----------------------------------|------------------------------------|----------------------------|------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|----|----------------------------------|-------------|---------------------|--------------------|----------|--|--|--|--|
| Client Contact Information                                                                  |  |                |                          | Bottle Order ID : <b>B2504022</b>                       |                                   |                                    |                            | Courier : <b>FGALDUN</b>                                               |                                   |                                                                                                                                                                                                                                           |              | 1 of 2 COCs                    |    |                                  |             |                     |                    |          |  |  |  |  |
| Client ID : <b>GFEL01</b> Project ID : <b>10-Elmwood St.</b>                                |  |                |                          | Sampler Name(s) : <b>FRANK GALDUN</b>                   |                                   |                                    |                            | Analysis                                                               |                                   |                                                                                                                                                                                                                                           |              | Matrix                         |    |                                  |             |                     |                    |          |  |  |  |  |
| Customer <b>GFE LLC</b><br>Name :<br><br>Address : <b>58 Nokomis Ave</b>                    |  |                |                          | Project Manager : <b>Frank galdun</b>                   |                                   |                                    |                            | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
|                                                                                             |  |                |                          | Phone Number : <b>646-542-3465</b>                      |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
|                                                                                             |  |                |                          | Fax Number : <b>973-334-1692</b>                        |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
|                                                                                             |  |                |                          | Site Details: <b>454 SHERIDAN BLVD<br/>TOWNWOOD, NY</b> |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| City : <b>Lake Hiawatha</b>                                                                 |  |                |                          | Analysis Turnaround Time <b>5 DAY</b>                   |                                   |                                    |                            | Data Package Type : <b>RESULTS ONLY</b>                                |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| State : <b>NJ</b>                                                                           |  |                |                          | Standard : <b>10 business days</b> OR                   |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Zip Code : <b>07034</b>                                                                     |  |                |                          | Rush (Specify): <b>5</b> Days                           |                                   |                                    |                            | EDD Type : <b>PDF</b>                                                  |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Sample Identification                                                                       |  | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock)                                 | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop)                                              | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab)                                                                                                                                                                                                         | Flow Reg. ID | Can ID                         |    | Flow Controller Readout (ml/min) | Can Cert ID | TO-15               | Indoor/Ambient Air | Soil Gas |  |  |  |  |
| SUI                                                                                         |  | 9/12/09        | 07:00                    | 07:30                                                   | 4                                 | 69                                 | 69                         | -30                                                                    | -6.3                              | 10109                                                                                                                                                                                                                                     | 10321        | 6 L                            | 50 | VL042316.D                       | 1           |                     |                    | 1        |  |  |  |  |
| Temperature (Fahrenheit)                                                                    |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   | GC/MS Analyst Signature (TO-15) <span style="border: 1px solid black; padding: 5px; display: inline-block;">Sut</span>                                                                                                                    |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
|                                                                                             |  | Ambient        |                          | Maximum                                                 |                                   | Minimum                            |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Start                                                                                       |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Stop                                                                                        |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Pressure (Inches of Hg)                                                                     |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><b>REPORT ONLY: PCB, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYL CHLORIDE</b><br><br>Please follow the instructions on the back of this COC. |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
|                                                                                             |  | Ambient        |                          | Maximum                                                 |                                   | Minimum                            |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Start                                                                                       |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Stop                                                                                        |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Special Instructions/QC Requirements & Comments :                                           |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Suspected Contamination: High Medium Low PID Readings: <b>6.4</b><br>Sampling site (State): |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Quick Connector required : <b>NO</b>                                                        |  |                |                          |                                                         |                                   |                                    |                            |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                |    |                                  |             |                     |                    |          |  |  |  |  |
| Canisters Shipped by: <b>FAM</b>                                                            |  |                |                          | Date/Time: <b>09/15/09</b>                              |                                   |                                    |                            | Canisters Received by: <b>du</b>                                       |                                   |                                                                                                                                                                                                                                           |              | Date/Time: <b>4/10/09 1200</b> |    |                                  |             | <b>B2504022 - 3</b> |                    |          |  |  |  |  |
| Samples Relinquished by: <b>FAM</b>                                                         |  |                |                          | Date/Time: <b>9/16/09</b>                               |                                   |                                    |                            | Received by:                                                           |                                   |                                                                                                                                                                                                                                           |              | Date/Time:                     |    |                                  |             |                     |                    |          |  |  |  |  |
| Relinquished by:                                                                            |  |                |                          | Date/Time:                                              |                                   |                                    |                            | Received by:                                                           |                                   |                                                                                                                                                                                                                                           |              | Date/Time:                     |    |                                  |             |                     |                    |          |  |  |  |  |

|                                                                                                                                                                                   |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------------------------------|------------------------------------|----------------------------|---------------------------|------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------|-------------|-------------------|---------------------------|---------------------|
| Client Contact Information                                                                                                                                                        |                |                          |                         | Bottle Order ID : <b>B2504022</b>                         |                                    |                            |                           | Courier : <b>F GALDUN</b>                                              |                                   |                                                                                                                                                                                                                                           |              | <u>2</u> of <u>2</u> COCs        |             |                   |                           |                     |
| Client ID : <b>GFEL01</b> Project ID : <b>10-14-01 St.</b>                                                                                                                        |                |                          |                         | Sampler Name(s) : <b>FRANK GALDUN</b>                     |                                    |                            |                           | Analysis                                                               |                                   |                                                                                                                                                                                                                                           |              | Matrix                           |             |                   |                           |                     |
| Customer Name : <b>GFE LLC</b><br><br>Address : <b>58 Nokomis Ave</b><br><br>City : <b>Lake Hiawatha</b><br><br>State : <b>NJ</b><br><br>Zip Code : <b>07034</b><br><br>Country : |                |                          |                         | Project Manager : <b>Frank galdun</b>                     |                                    |                            |                           | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
|                                                                                                                                                                                   |                |                          |                         | Phone Number : <b>646-542-3465</b>                        |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
|                                                                                                                                                                                   |                |                          |                         | Fax Number : <b>973-334-1692</b>                          |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
|                                                                                                                                                                                   |                |                          |                         | Site Details: <b>82-64 AUSTIN ST.<br/>KEW GARDENS, NY</b> |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Analysis Turnaround Time <b>5 DAY</b>                                                                                                                                             |                |                          |                         | Standard : <b>10 business days</b> OR                     |                                    |                            |                           | Data Package Type : <b>RESULTS ONLY</b>                                |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Rush (Specify): <b>5</b> Days                                                                                                                                                     |                |                          |                         | EDD Type : <b>PDE</b>                                     |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Sample Identification                                                                                                                                                             | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)                         | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                      | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                                                                                                              | Can ID       | Flow Controller Readout (ml/min) | Can Cert ID | <u>TO-15</u>      | <u>Indoor Ambient Air</u> | <u>Soil Gas</u>     |
| <b>IA1</b>                                                                                                                                                                        | <b>4/17/25</b> | <b>8:50</b>              | <b>10:50</b>            | <b>OVER 30</b>                                            | <b>4</b>                           | <b>70</b>                  | <b>72</b>                 | <b>-30</b>                                                             | <b>-55</b>                        | <b>10185</b>                                                                                                                                                                                                                              | <b>10153</b> | <b>6 L</b>                       | <b>50</b>   | <b>VL042316.D</b> |                           |                     |
| Temperature (Fahrenheit)                                                                                                                                                          |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   | GC/MS Analyst Signature (TO-15) <span style="border: 1px solid black; padding: 5px; display: inline-block;">Sol</span>                                                                                                                    |              |                                  |             |                   |                           |                     |
|                                                                                                                                                                                   |                | Ambient                  | Maximum                 | Minimum                                                   |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Start                                                                                                                                                                             |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Stop                                                                                                                                                                              |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Pressure (Inches of Hg)                                                                                                                                                           |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><b>REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYL CHLORIDE</b><br><br>Please follow the instructions on the back of this COC. |              |                                  |             |                   |                           |                     |
|                                                                                                                                                                                   |                | Ambient                  | Maximum                 | Minimum                                                   |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Start                                                                                                                                                                             |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Stop                                                                                                                                                                              |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Special Instructions/QC Requirements & Comments :                                                                                                                                 |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>0.0</u>                                                                                                          |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Sampling site (State):                                                                                                                                                            |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Quick Connector required : <u>NJ</u>                                                                                                                                              |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |              |                                  |             |                   |                           |                     |
| Canisters Shipped by: <u>Sam</u>                                                                                                                                                  |                |                          |                         | Date/Time: <u>4/15/25</u>                                 |                                    |                            |                           | Canisters Received by: <u>AN</u>                                       |                                   |                                                                                                                                                                                                                                           |              | Date/Time: <u>4/18/25 1200</u>   |             |                   |                           | <b>B2504022 - 1</b> |
| Samples Relinquished by: <u>FJD</u>                                                                                                                                               |                |                          |                         | Date/Time: <u>4/19/25</u>                                 |                                    |                            |                           | Received by:                                                           |                                   |                                                                                                                                                                                                                                           |              | Date/Time:                       |             |                   |                           |                     |
| Relinquished by:                                                                                                                                                                  |                |                          |                         | Date/Time:                                                |                                    |                            |                           | Received by:                                                           |                                   |                                                                                                                                                                                                                                           |              | Date/Time:                       |             |                   |                           |                     |

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                 |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                        |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## LAB CHRONICLE

|                 |              |                   |                              |
|-----------------|--------------|-------------------|------------------------------|
| <b>OrderID:</b> | Q1844        | <b>OrderDate:</b> | 4/18/2025 2:06:00 PM         |
| <b>Client:</b>  | GFE LLC      | <b>Project:</b>   | 545 Sheridan Blvd, Inwood NY |
| <b>Contact:</b> | Frank Galdun | <b>Location:</b>  | Air Lab, VOA Lab             |

| LabID                   | ClientID      | Matrix     | Test         | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------------|---------------|------------|--------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1844-01</b>         | <b>SV1</b>    | <b>Air</b> | VOCMS Group2 | TO-15  | <b>04/17/25</b> |           | 04/21/25  | <b>04/18/25</b> |
| <b>Q1844-01DL</b>       | <b>SV1DL</b>  | <b>Air</b> | VOCMS Group2 | TO-15  | <b>04/17/25</b> |           | 04/21/25  | <b>04/18/25</b> |
| <b>Q1844-01DL<br/>2</b> | <b>SV1DL2</b> | <b>Air</b> | VOCMS Group2 | TO-15  | <b>04/17/25</b> |           | 04/22/25  | <b>04/18/25</b> |
| <b>Q1844-02</b>         | <b>IA1</b>    | <b>Air</b> | VOCMS Group2 | TO-15  | <b>04/17/25</b> |           | 04/21/25  | <b>04/18/25</b> |
| <b>Q1844-02DL</b>       | <b>IA1DL</b>  | <b>Air</b> | VOCMS Group2 | TO-15  | <b>04/17/25</b> |           | 04/21/25  | <b>04/18/25</b> |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1844

**Client:** GFE LLC

| Sample ID         | Client ID     | Matrix | Parameter                   | Concentration | C  | MDL  | RDL  | Units |
|-------------------|---------------|--------|-----------------------------|---------------|----|------|------|-------|
| <b>Client ID:</b> | <b>SV1</b>    |        |                             |               |    |      |      |       |
| Q1844-01          | SV1           | Air    | cis-1,2-Dichloroethene      | 19.0          | J  | 3.53 | 19.8 | ug/m3 |
| Q1844-01          | SV1           | Air    | Trichloroethene             | 332           |    | 0.91 | 1.61 | ug/m3 |
| Q1844-01          | SV1           | Air    | Tetrachloroethene           | 19000         | E  | 1.02 | 2.03 | ug/m3 |
|                   |               |        | <b>Total Voc :</b>          | 19300         |    |      |      |       |
|                   |               |        | <b>Total Concentration:</b> | 19300         |    |      |      |       |
| <b>Client ID:</b> | <b>SV1DL</b>  |        |                             |               |    |      |      |       |
| Q1844-01DL        | SV1DL         | Air    | cis-1,2-Dichloroethene      | 21.0          | JD | 14.3 | 79.3 | ug/m3 |
| Q1844-01DL        | SV1DL         | Air    | Trichloroethene             | 326           | D  | 3.65 | 6.45 | ug/m3 |
| Q1844-01DL        | SV1DL         | Air    | Tetrachloroethene           | 21700         | ED | 4.07 | 8.14 | ug/m3 |
|                   |               |        | <b>Total Voc :</b>          | 22000         |    |      |      |       |
|                   |               |        | <b>Total Concentration:</b> | 22000         |    |      |      |       |
| <b>Client ID:</b> | <b>SV1DL2</b> |        |                             |               |    |      |      |       |
| Q1844-01DL2       | SV1DL2        | Air    | Trichloroethene             | 355           | D  | 54.8 | 96.7 | ug/m3 |
| Q1844-01DL2       | SV1DL2        | Air    | Tetrachloroethene           | 21700         | D  | 61.0 | 122  | ug/m3 |
|                   |               |        | <b>Total Voc :</b>          | 22100         |    |      |      |       |
|                   |               |        | <b>Total Concentration:</b> | 22100         |    |      |      |       |
| <b>Client ID:</b> | <b>IA1</b>    |        |                             |               |    |      |      |       |
| Q1844-02          | IA1           | Air    | Tetrachloroethene           | 131           | E  | 0.14 | 0.20 | ug/m3 |
|                   |               |        | <b>Total Voc :</b>          | 131           |    |      |      |       |
|                   |               |        | <b>Total Concentration:</b> | 131           |    |      |      |       |
| <b>Client ID:</b> | <b>IA1DL</b>  |        |                             |               |    |      |      |       |
| Q1844-02DL        | IA1DL         | Air    | Tetrachloroethene           | 130           | D  | 0.54 | 1.02 | ug/m3 |
|                   |               |        | <b>Total Voc :</b>          | 130           |    |      |      |       |
|                   |               |        | <b>Total Concentration:</b> | 130           |    |      |      |       |



# QC SUMMARY

## Surrogate Summary

SDG No.: Q1844

Client: GFE LLC

Analytical Method: SWTO-15

| Lab Sample ID | Client ID   | Parameter               | Spike | Result | RecoveryQual | Limits |      |
|---------------|-------------|-------------------------|-------|--------|--------------|--------|------|
|               |             |                         |       |        |              | Low    | High |
| Q1844-01      | SV1         | 1-Bromo-4-Fluorobenzene | 10    | 10.9   | 109          | 65     | 135  |
| Q1844-01DL    | SV1DL       | 1-Bromo-4-Fluorobenzene | 10    | 10.7   | 107          | 65     | 135  |
| Q1844-01DL2   | SV1DL2      | 1-Bromo-4-Fluorobenzene | 10    | 10.4   | 104          | 65     | 135  |
| Q1844-02      | IA1         | 1-Bromo-4-Fluorobenzene | 10    | 10.6   | 106          | 65     | 135  |
| Q1844-02DL    | IA1DL       | 1-Bromo-4-Fluorobenzene | 10    | 10.2   | 102          | 65     | 135  |
| Q1844-02DUP   | IA1DUP      | 1-Bromo-4-Fluorobenzene | 10    | 10.7   | 107          | 65     | 135  |
| VL0421ABL01   | VL0421ABL01 | 1-Bromo-4-Fluorobenzene | 10    | 10.5   | 105          | 65     | 135  |
| VL0421ABS01   | VL0421ABS01 | 1-Bromo-4-Fluorobenzene | 10    | 10.8   | 108          | 65     | 135  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** Q1844

**Client:** GFE LLC

**Analytical Method:** SWTO-15

**Datafile :** VL042397.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VL0421ABS01   | Vinyl Chloride         | 10    | 8.60   | ppbv | 86  |     |      | 70  | 130            |     |
|               | 1,1-Dichloroethane     | 10    | 9.60   | ppbv | 96  |     |      | 70  | 130            |     |
|               | cis-1,2-Dichloroethene | 10    | 9.10   | ppbv | 91  |     |      | 70  | 130            |     |
|               | 1,1,1-Trichloroethane  | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130            |     |
|               | Trichloroethene        | 10    | 7.80   | ppbv | 78  |     |      | 70  | 130            |     |
|               | Tetrachloroethene      | 10    | 7.40   | ppbv | 74  |     |      | 70  | 130            |     |

### Duplicate Sample Summary

|                               |                  |                  |
|-------------------------------|------------------|------------------|
| <b>Lab Sample Id :</b>        | Q1844-02DUP      | Q1844-02         |
| <b>Client Id :</b>            | IA1DUP           | IA1              |
| <b>DF :</b>                   | 1                | 1                |
| <b>Datafile :</b>             | VL042403.D       | VL042402.D       |
| <b>Anal Date &amp; Time :</b> | 04/21/2025 14:13 | 04/21/2025 13:38 |

| Parameter              | Result | Result | RPD |
|------------------------|--------|--------|-----|
| 1,1,1-Trichloroethane  | 0      | 0      | 0   |
| 1,1-Dichloroethane     | 0      | 0      | 0   |
| cis-1,2-Dichloroethene | 0      | 0      | 0   |
| Tetrachloroethene      | 19.5   | 19.3   | 1   |
| Trichloroethene        | 0      | 0      | 0   |
| Vinyl Chloride         | 0      | 0      | 0   |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

IA1DUP

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1844

SAS No.: Q1844 SDG NO.: Q1844

Lab File ID: VL042403.D

Lab Sample ID: Q1844-02DUP

Date Analyzed: 04/21/2025

Time Analyzed: 14:13

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_L

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| IA1DUP            | Q1844-02DUP      | VL042403.D     | 04/21/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0421ABL01

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1844

SAS No.: Q1844 SDG NO.: Q1844

Lab File ID: VL042396.D

Lab Sample ID: VL0421ABL01

Date Analyzed: 04/21/2025

Time Analyzed: 09:28

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_L

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VL0421ABS01       | VL0421ABS01      | VL042397.D     | 04/21/2025       |
| IA1               | Q1844-02         | VL042402.D     | 04/21/2025       |
| IA1DL             | Q1844-02DL       | VL042404.D     | 04/21/2025       |
| SV1               | Q1844-01         | VL042407.D     | 04/21/2025       |
| SV1DL             | Q1844-01DL       | VL042408.D     | 04/21/2025       |
| SV1DL2            | Q1844-01DL2      | VL042414.D     | 04/22/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01  
Lab Code: CHEM Case No.: Q1844 SAS No.: Q1844 SDG NO.: Q1844  
Lab File ID: VL042348.D BFB Injection Date: 04/17/2025  
Instrument ID: MSVOA\_L BFB Injection Time: 07:50  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 23.1                 |
| 75  | 30.0 - 66.0% of mass 95            | 57                   |
| 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         | 0.0 ( 0.0 ) 1        |
| 174 | 50.0 - 120.0% of mass 95           | 59.5                 |
| 175 | 4.0 - 9.0% of mass 174             | 4.5 ( 7.6 ) 1        |
| 176 | 93.0 - 101.0% of mass 174          | 57.6 ( 96.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 3.6 ( 6.3 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDICCC010       | VSTDICCC010      | VL042349.D     | 04/17/2025       | 09:44            |
| VSTDICC002        | VSTDICC002       | VL042350.D     | 04/17/2025       | 10:17            |
| VSTDICC001        | VSTDICC001       | VL042351.D     | 04/17/2025       | 10:48            |
| VSTDICC0.5        | VSTDICC0.5       | VL042352.D     | 04/17/2025       | 11:19            |
| VSTDICC0.1        | VSTDICC0.1       | VL042353.D     | 04/17/2025       | 11:50            |
| VSTDICC0.03       | VSTDICC0.03      | VL042354.D     | 04/17/2025       | 12:22            |
| VSTDICC015        | VSTDICC015       | VL042355.D     | 04/17/2025       | 12:54            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01  
Lab Code: CHEM Case No.: Q1844 SAS No.: Q1844 SDG NO.: Q1844  
Lab File ID: VL042394.D BFB Injection Date: 04/21/2025  
Instrument ID: MSVOA\_L BFB Injection Time: 07:58  
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 26.7                 |
| 75  | 30.0 - 66.0% of mass 95            | 63.9                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7                    |
| 173 | Less than 2.0% of mass 174         | 0.0 ( 0.0 ) 1        |
| 174 | 50.0 - 120.0% of mass 95           | 54.7                 |
| 175 | 4.0 - 9.0% of mass 174             | 4.2 ( 7.7 ) 1        |
| 176 | 93.0 - 101.0% of mass 174          | 52.9 ( 96.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 3.4 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC010        | VSTDCCC010       | VL042395.D     | 04/21/2025       | 08:41            |
| VL0421ABL01       | VL0421ABL01      | VL042396.D     | 04/21/2025       | 09:28            |
| VL0421ABS01       | VL0421ABS01      | VL042397.D     | 04/21/2025       | 10:14            |
| IA1               | Q1844-02         | VL042402.D     | 04/21/2025       | 13:38            |
| IA1DUP            | Q1844-02DUP      | VL042403.D     | 04/21/2025       | 14:13            |
| IA1DL             | Q1844-02DL       | VL042404.D     | 04/21/2025       | 14:44            |
| SV1               | Q1844-01         | VL042407.D     | 04/21/2025       | 16:20            |
| SV1DL             | Q1844-01DL       | VL042408.D     | 04/21/2025       | 16:51            |
| SV1DL2            | Q1844-01DL2      | VL042414.D     | 04/22/2025       | 07:47            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01  
 Lab Code: CHEM Case No.: Q1844 SAS No.: Q1844 SDG NO.: Q1844  
 Lab File ID: VL042395.D Date Analyzed: 04/21/2025  
 Instrument ID: MSVOA\_L Time Analyzed: 08:41  
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT # |
|----------------|---------------|------|---------------|------|---------------|------|
| 12 HOUR STD    | 118349        | 2.78 | 334726        | 3.95 | 297161        | 8.88 |
| UPPER LIMIT    | 165689        | 3.11 | 468616        | 4.28 | 416025        | 9.21 |
| LOWER LIMIT    | 71009.4       | 2.45 | 200836        | 3.62 | 178297        | 8.55 |
| EPA SAMPLE NO. |               |      |               |      |               |      |
| SV1            | 122634        | 2.79 | 335724        | 3.96 | 286487        | 8.88 |
| SV1DL          | 122330        | 2.79 | 334452        | 3.96 | 282542        | 8.89 |
| SV1DL2         | 119088        | 2.79 | 333100        | 3.96 | 281509        | 8.89 |
| IA1            | 129429        | 2.78 | 363256        | 3.95 | 306838        | 8.88 |
| IA1DL          | 132427        | 2.78 | 368774        | 3.96 | 315151        | 8.88 |
| IA1DUP         | 132791        | 2.78 | 375368        | 3.95 | 317335        | 8.88 |
| VL0421ABL01    | 120411        | 2.78 | 341628        | 3.95 | 293743        | 8.88 |
| VL0421ABS01    | 118401        | 2.78 | 337921        | 3.95 | 293537        | 8.88 |

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

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.



# SAMPLE DATA

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: | 04/17/25     |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  | 04/18/25     |
| Client Sample ID:  | SV1                          | SDG No.:        | Q1844        |
| Lab Sample ID:     | Q1844-01                     | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400      Units:    mL        |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042407.D        | 10        |           | 04/21/25 16:20 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 0.14          | 0.36           | U         | 0.36     | 0.77       | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 1.30          | 5.26           | U         | 5.26     | 20.2       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 4.80          | 19.0           | J         | 3.53     | 19.8       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 0.10          | 0.55           | U         | 0.55     | 1.64       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 61.7          | 332            |           | 0.91     | 1.61       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 2800          | 19000          | E         | 1.02     | 2.03       | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.9          |                |           | 65 - 135 | 109%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 123000        |                |           | 2.787    |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 336000        |                |           | 3.956    |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 286000        |                |           | 8.879    |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042407.D  
 Acq On : 21 Apr 2025 16:20  
 Operator : SY/MD  
 Sample : Q1844-01 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:56:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 122634   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.956 | 114  | 335724   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.879 | 117  | 286487   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 257025 10.918 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.200%

Target Compounds

|                            |        |     |         |         |        | Qvalue |
|----------------------------|--------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 1.496  | 85  | 6122    | 0.283   | ppbv   | 100    |
| 3) Chlorodifluoromethane   | 1.473  | 51  | 12685m  | 0.615   | ppbv   |        |
| 9) Propene                 | 1.486  | 41  | 56144m  | 5.975   | ppbv   |        |
| 10) Heptane                | 4.975  | 43  | 2921m   | 0.111   | ppbv   |        |
| 13) Ethanol                | 1.722  | 45  | 18964   | 12.698  | ppbv   | 79     |
| 15) Acetone                | 1.836  | 43  | 49251   | 2.453   | ppbv # | 47     |
| 19) Isopropyl Alcohol      | 1.887  | 45  | 10924   | 0.980   | ppbv # | 33     |
| 20) Methylene Chloride     | 2.062  | 84  | 1633    | 0.208   | ppbv   | 89     |
| 26) Hexane                 | 2.826  | 57  | 10426   | 0.520   | ppbv # | 32     |
| 27) Carbon Disulfide       | 2.150  | 76  | 13713   | 0.639   | ppbv # | 1      |
| 29) Chloroform             | 2.849  | 83  | 20993   | 0.741   | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene | 2.719  | 61  | 9200    | 0.483   | ppbv   | 93     |
| 34) 2-Butanone             | 2.561  | 43  | 5134    | 0.193   | ppbv   | 97     |
| 36) Benzene                | 3.651  | 78  | 4655m   | 0.129   | ppbv   |        |
| 38) Trichloroethene        | 4.545  | 130 | 97602   | 6.167   | ppbv   | 96     |
| 52) Tetrachloroethene      | 8.247  | 164 | 3985113 | 284.725 | ppbv   | 91     |
| 53) Toluene                | 6.933  | 91  | 9622    | 0.221   | ppbv   | 95     |
| 59) m/p-Xylene             | 9.526  | 91  | 8608m   | 0.188   | ppbv   |        |
| 60) o-Xylene               | 9.963  | 91  | 4818    | 0.105   | ppbv   | 92     |
| 74) 1,2,4-Trimethylbenzene | 11.533 | 105 | 8060    | 0.139   | ppbv # | 64     |

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

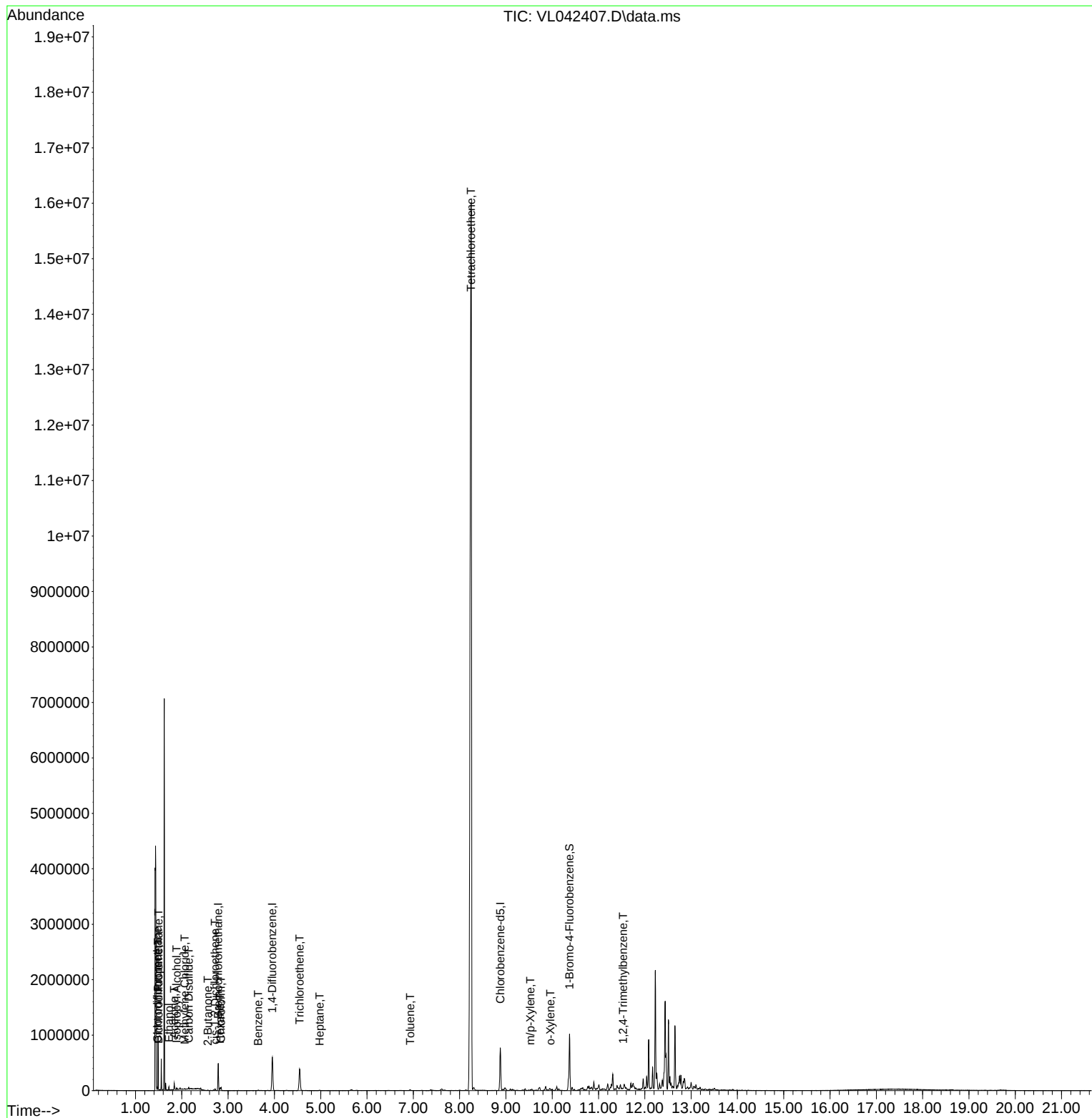
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
Data File : VL042407.D  
Acq On : 21 Apr 2025 16:20  
Operator : SY/MD  
Sample : Q1844-01 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

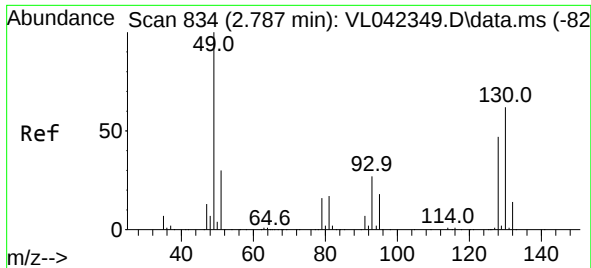
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:56:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration





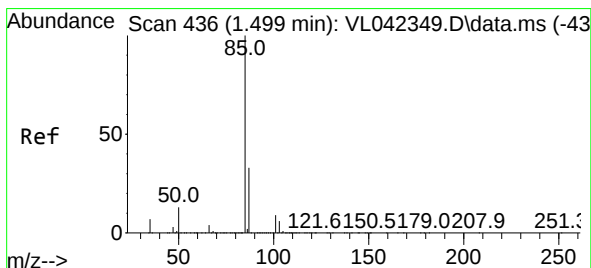
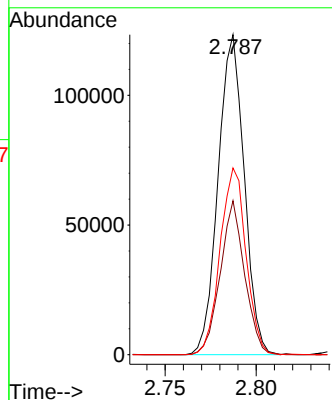
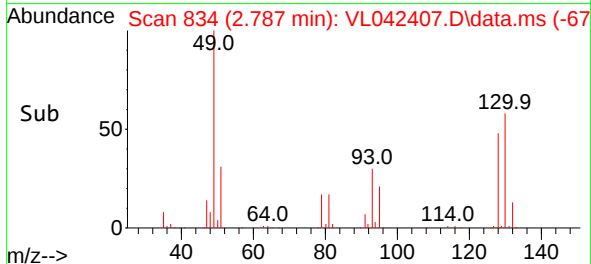
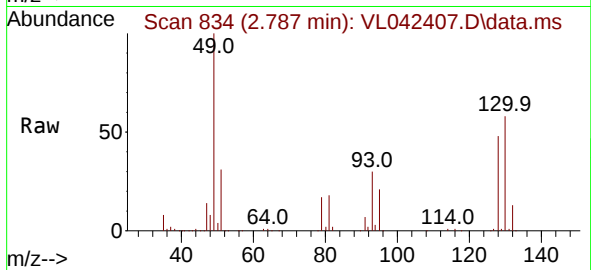
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 49 Resp: 122634  
Ion Ratio Lower Upper  
49 100  
128 44.9 22.8 68.4  
130 58.1 29.3 88.0

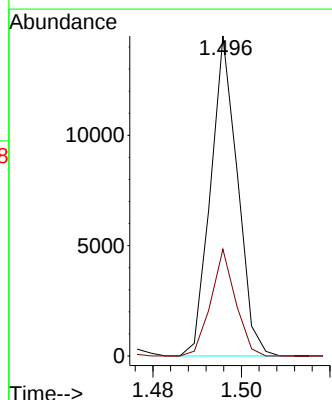
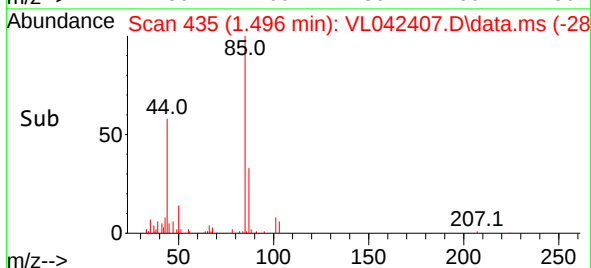
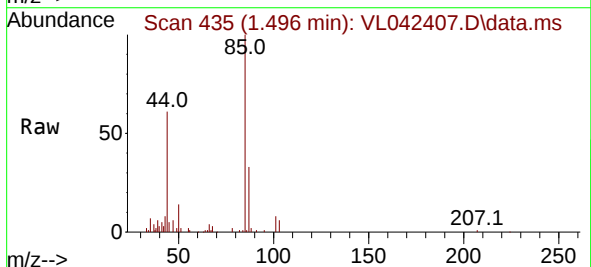
Manual Integrations  
APPROVED

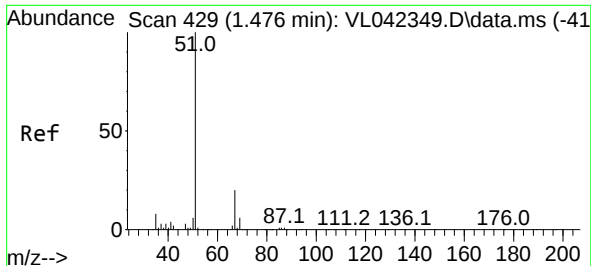
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#2  
Dichlorodifluoromethane  
Concen: 0.283 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

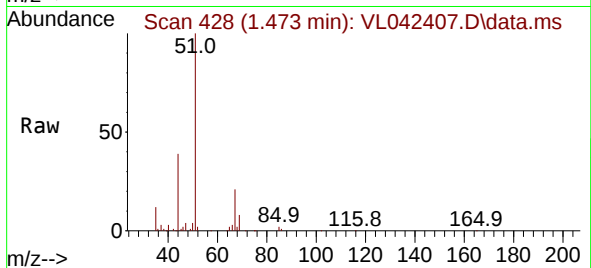
Tgt Ion: 85 Resp: 6122  
Ion Ratio Lower Upper  
85 100  
87 33.3 26.6 39.8





#3  
Chlorodifluoromethane  
Concen: 0.615 ppbv m  
RT: 1.473 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

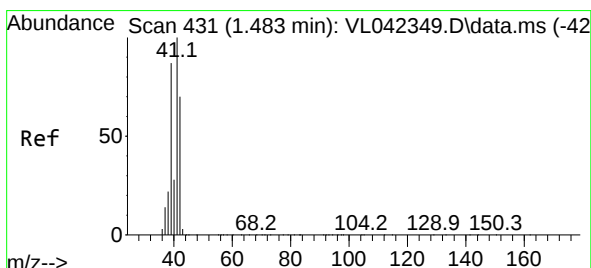
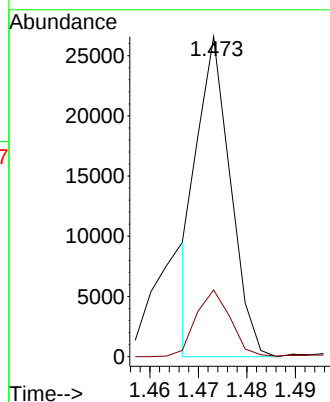
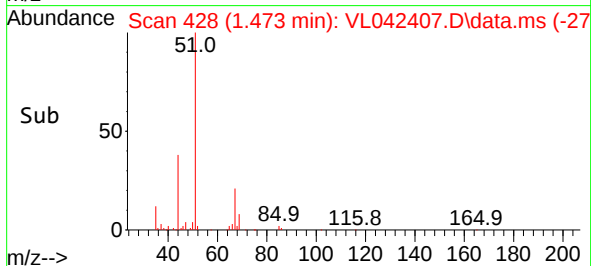
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



Tgt Ion: 51 Resp: 1268  
Ion Ratio Lower Upper  
51 100  
67 22.5 16.2 24.4

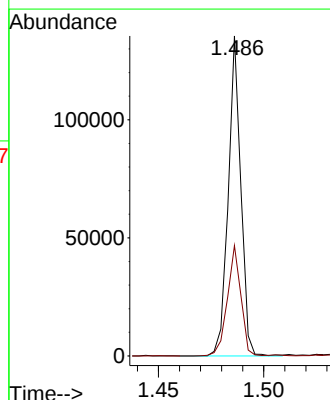
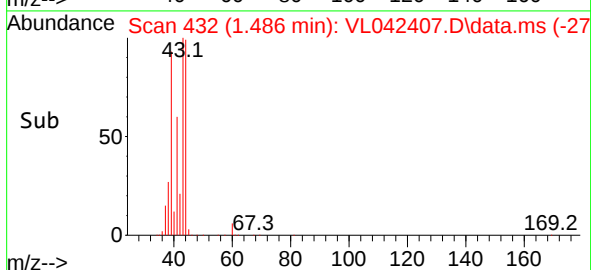
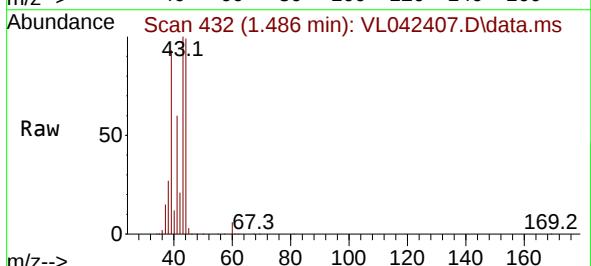
Manual Integrations  
APPROVED

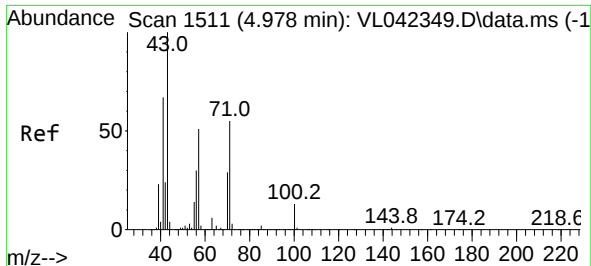
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#9  
Propene  
Concen: 5.975 ppbv m  
RT: 1.486 min Scan# 432  
Delta R.T. 0.004 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

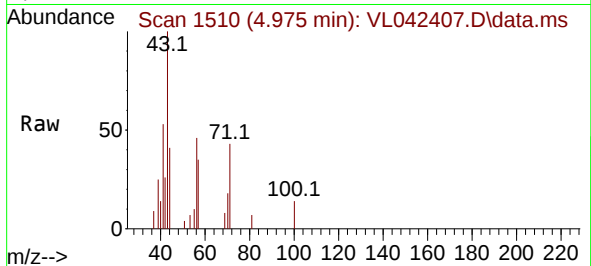
Tgt Ion: 41 Resp: 56144  
Ion Ratio Lower Upper  
41 100  
42 70.2 56.2 84.4





#10  
Heptane  
Concen: 0.111 ppbv m  
RT: 4.975 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

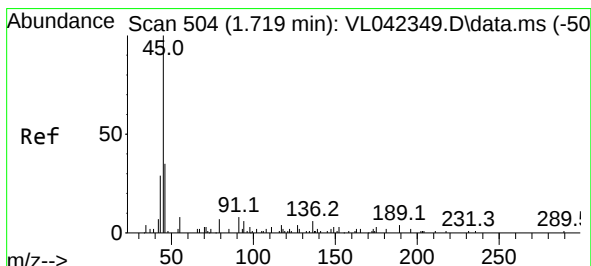
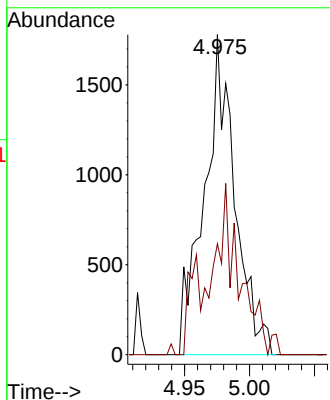
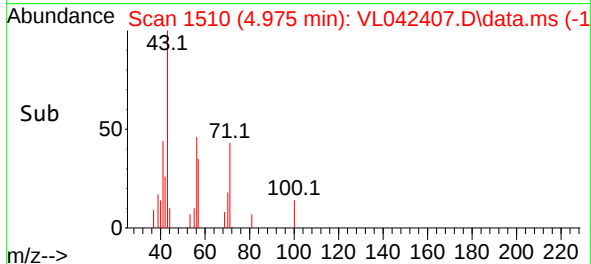
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



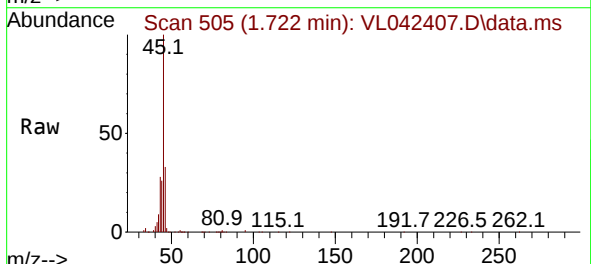
Tgt Ion: 43 Resp: 292  
Ion Ratio Lower Upper  
43 100  
57 55.3 39.9 59.9

Manual Integrations  
APPROVED

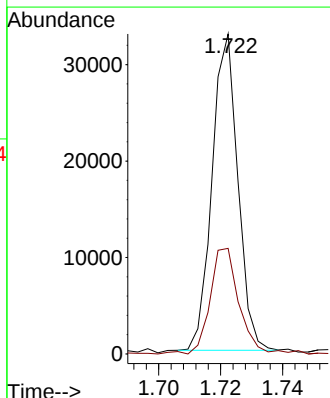
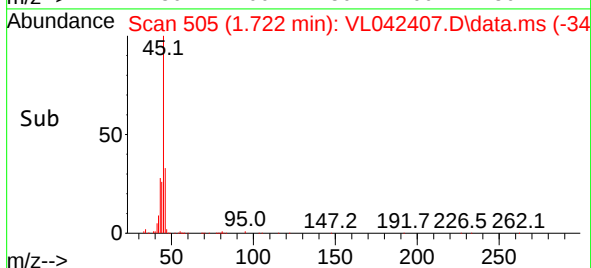
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

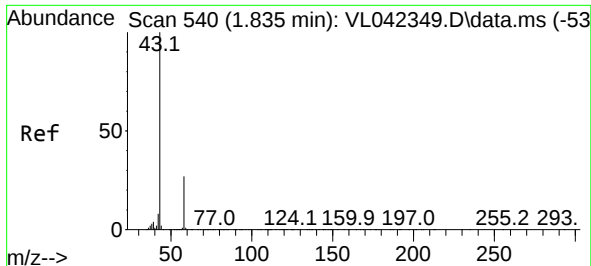


#13  
Ethanol  
Concen: 12.698 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. 0.004 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20



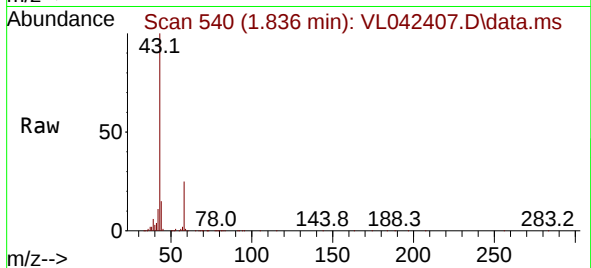
Tgt Ion: 45 Resp: 18964  
Ion Ratio Lower Upper  
45 100  
46 39.7 21.9 87.7





#15  
Acetone  
Concen: 2.453 ppbv  
RT: 1.836 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

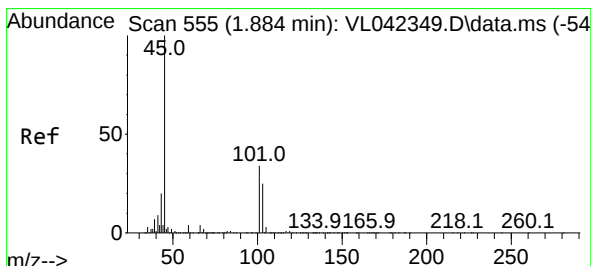
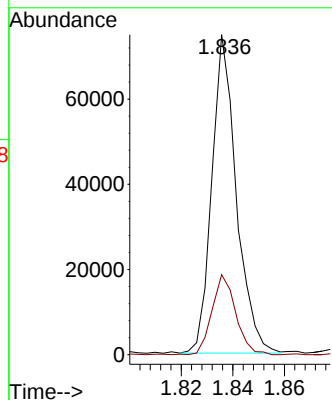
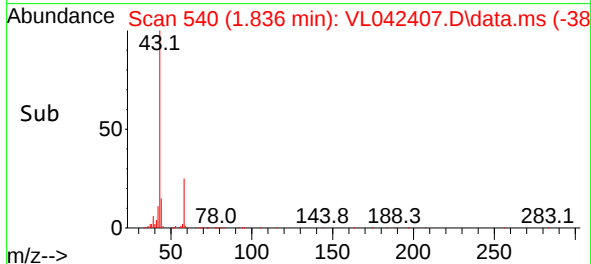
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



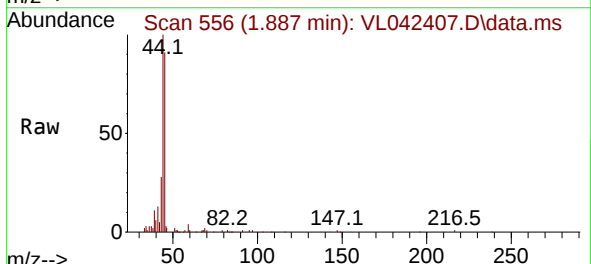
Tgt Ion: 43 Resp: 4925  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.4 33.6

Manual Integrations  
APPROVED

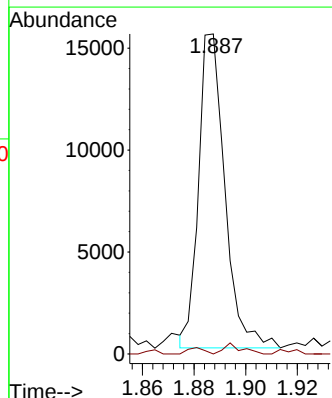
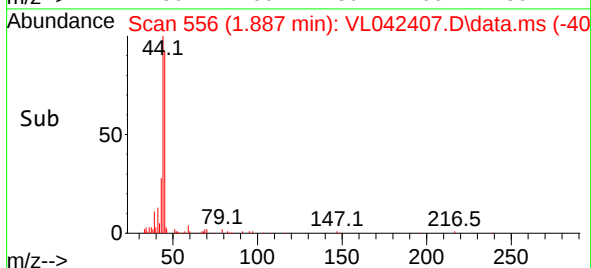
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

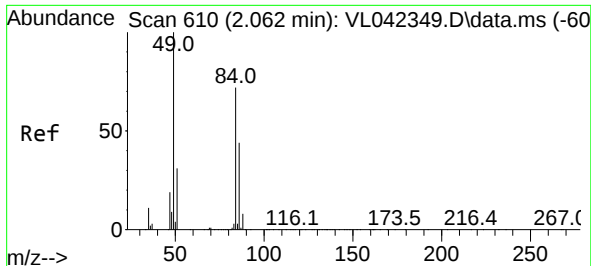


#19  
Isopropyl Alcohol  
Concen: 0.980 ppbv  
RT: 1.887 min Scan# 556  
Delta R.T. 0.004 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20



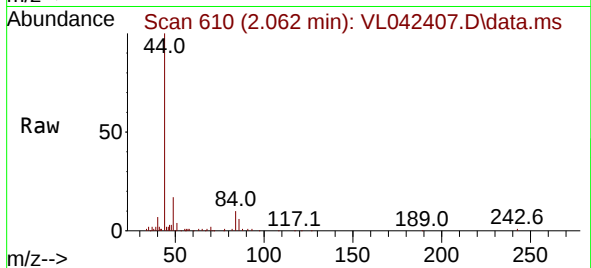
Tgt Ion: 45 Resp: 10924  
Ion Ratio Lower Upper  
45 100  
58 0.0 34.5 51.7





#20  
Methylene Chloride  
Concen: 0.208 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

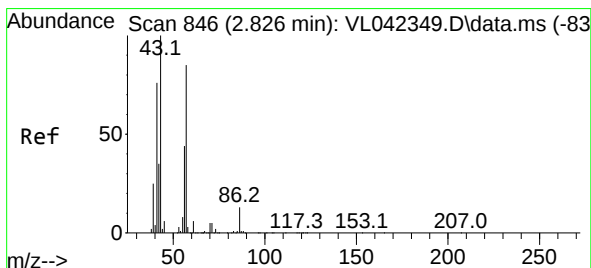
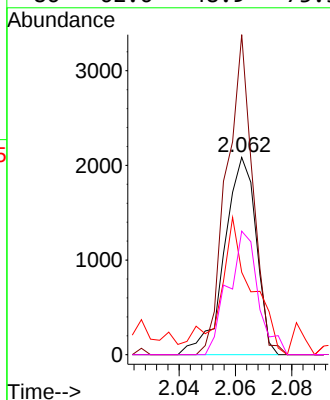
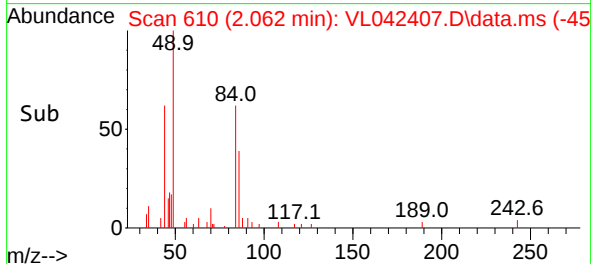
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 163   |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 158.0    | 111.6 167.4 |
| 51 38.4     | 35.1 52.7   |
| 86 62.6     | 48.9 73.3   |

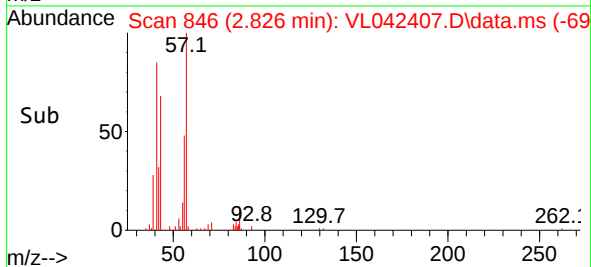
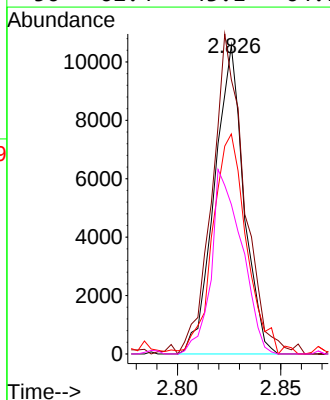
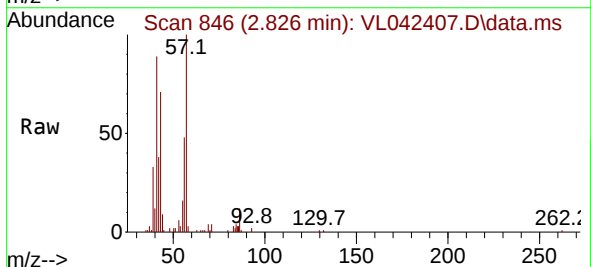
Manual Integrations  
APPROVED

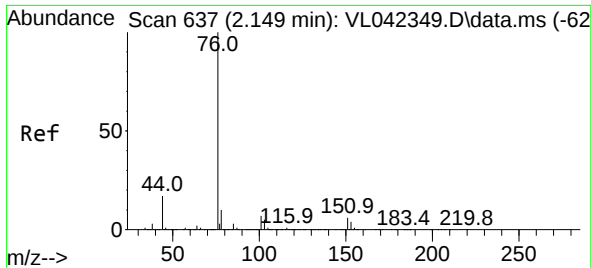
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#26  
Hexane  
Concen: 0.520 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 10426  |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 114.2    | 77.9 116.9   |
| 43 85.0     | 208.4 312.6# |
| 56 62.4     | 43.1 64.7    |





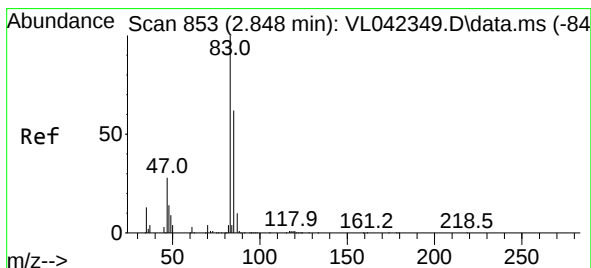
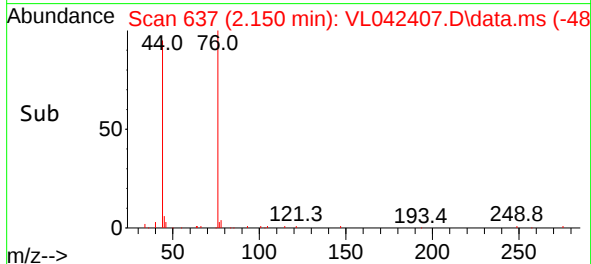
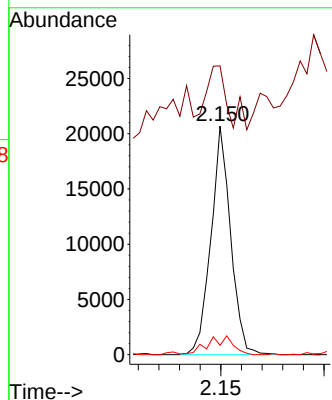
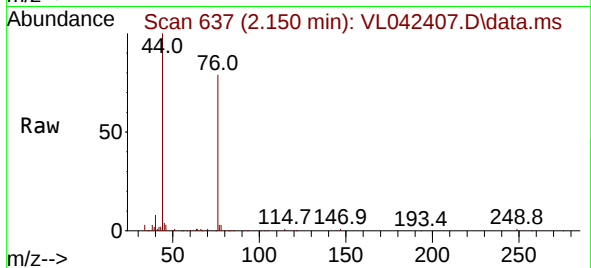
#27  
Carbon Disulfide  
Concen: 0.639 ppbv  
RT: 2.150 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 76 Resp: 1371  
Ion Ratio Lower Upper  
76 100  
44 621.4 15.5 23.3  
78 11.2 9.3 13.9

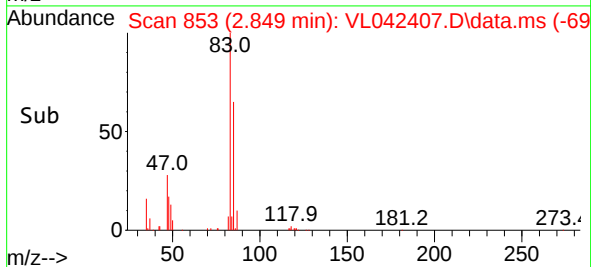
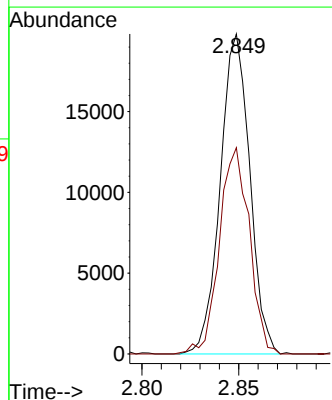
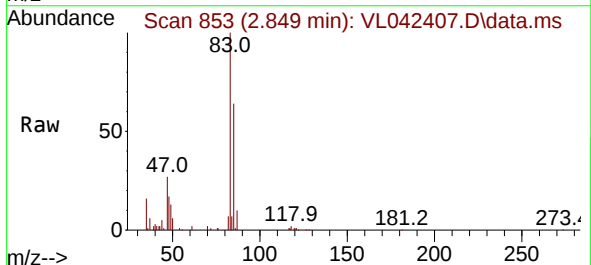
Manual Integrations  
APPROVED

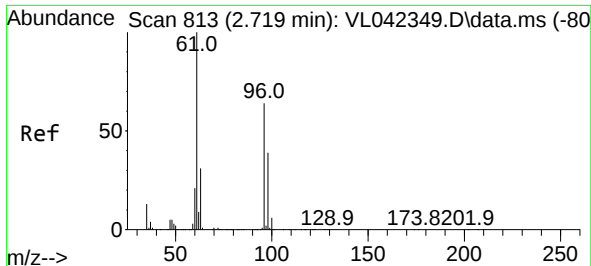
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#29  
Chloroform  
Concen: 0.741 ppbv  
RT: 2.849 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

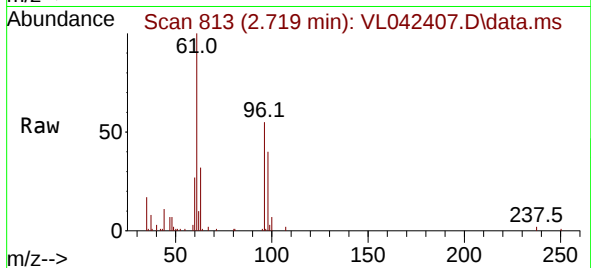
Tgt Ion: 83 Resp: 20993  
Ion Ratio Lower Upper  
83 100  
85 64.4 50.0 75.0





#31  
 cis-1,2-Dichloroethene  
 Concen: 0.483 ppbv  
 RT: 2.719 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VL042407.D  
 Acq: 21 Apr 2025 16:20

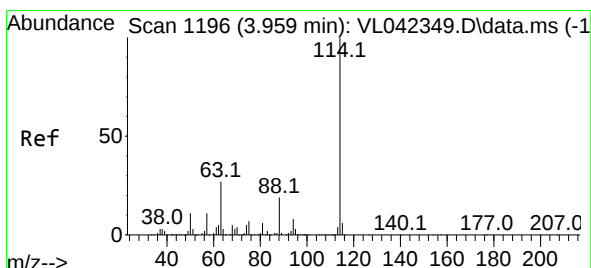
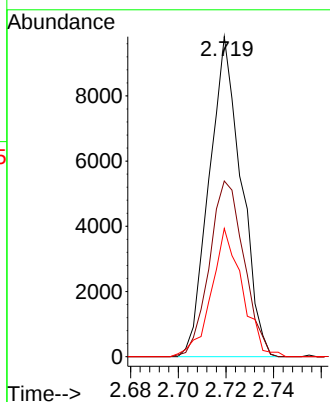
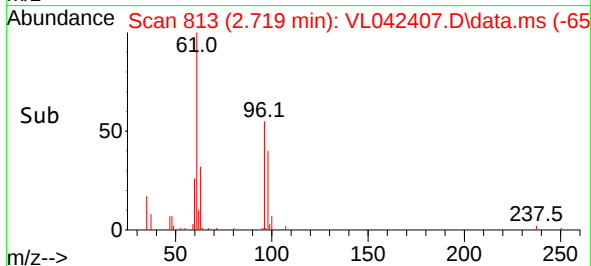
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1



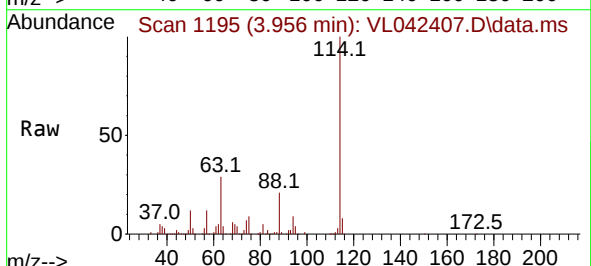
Tgt Ion: 61 Resp: 9200  
 Ion Ratio Lower Upper  
 61 100  
 96 54.9 50.8 76.2  
 98 39.1 30.9 46.3

Manual Integrations  
 APPROVED

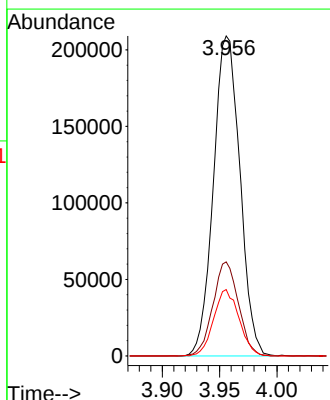
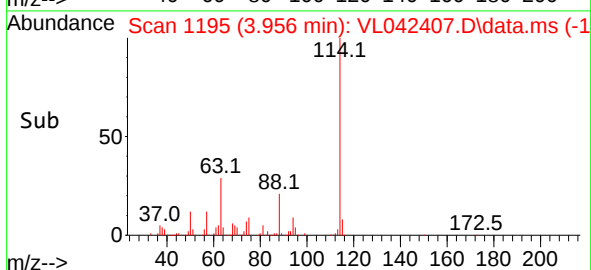
Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

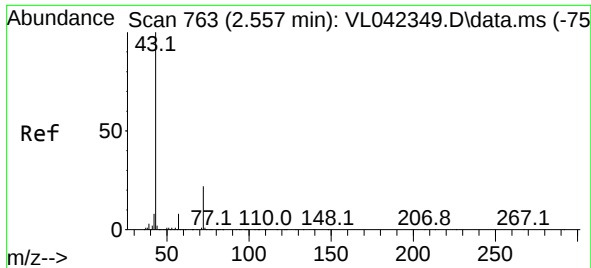


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.956 min Scan# 1195  
 Delta R.T. -0.003 min  
 Lab File: VL042407.D  
 Acq: 21 Apr 2025 16:20



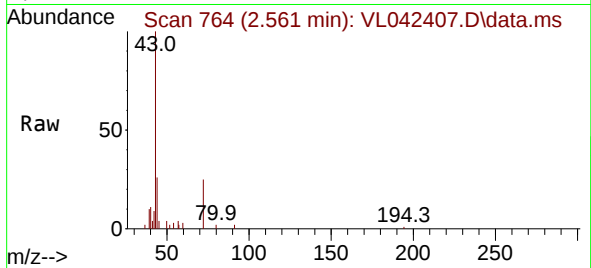
Tgt Ion:114 Resp: 335724  
 Ion Ratio Lower Upper  
 114 100  
 63 28.3 21.8 32.6  
 88 19.9 15.5 23.3





#34  
2-Butanone  
Concen: 0.193 ppbv  
RT: 2.561 min Scan# 764  
Delta R.T. 0.004 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

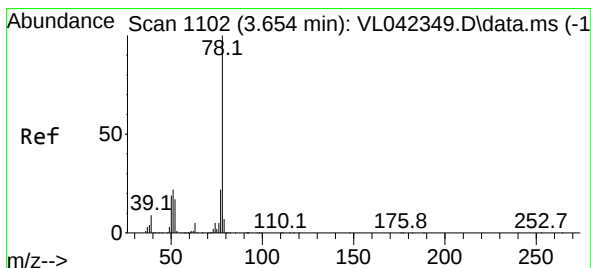
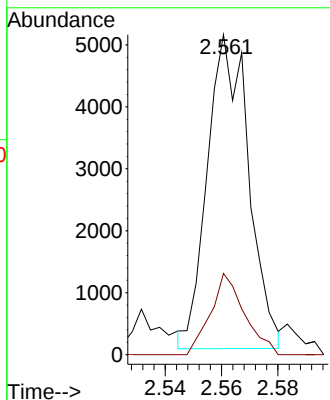
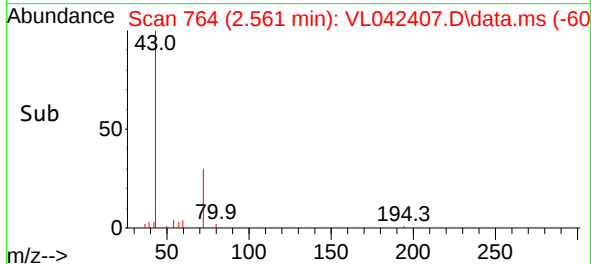
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



Tgt Ion: 43 Resp: 5134  
Ion Ratio Lower Upper  
43 100  
72 21.4 18.2 27.2

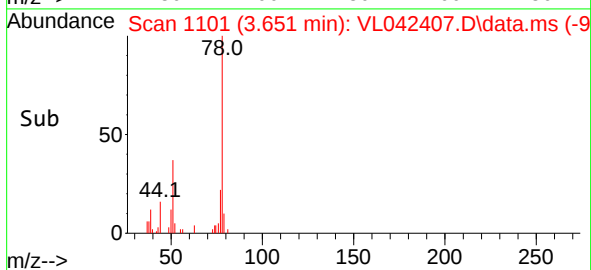
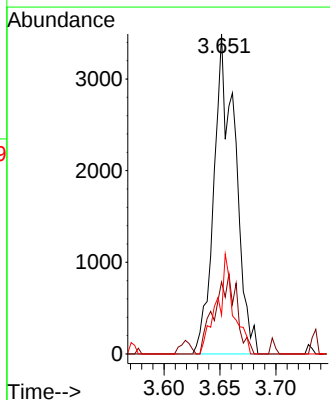
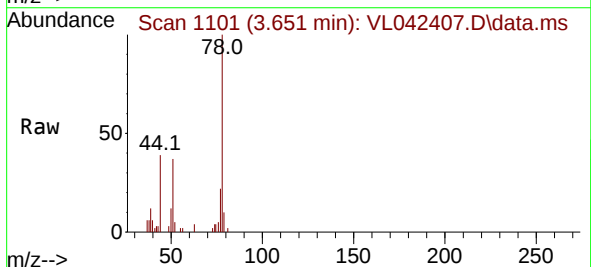
Manual Integrations  
APPROVED

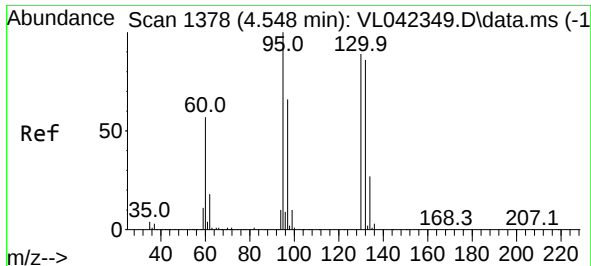
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#36  
Benzene  
Concen: 0.129 ppbv m  
RT: 3.651 min Scan# 1101  
Delta R.T. -0.003 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Tgt Ion: 78 Resp: 4655  
Ion Ratio Lower Upper  
78 100  
77 22.5 17.4 26.0  
50 12.2 15.5 23.3#





#38

Trichloroethene

Concen: 6.167 ppbv

RT: 4.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042407.D

Acq: 21 Apr 2025 16:20

Instrument :

MSVOA\_L

ClientSampleId :

SV1

Tgt Ion:130 Resp: 97602

Ion Ratio Lower Upper

130 100

95 117.4 89.8 134.6

132 100.3 77.7 116.5

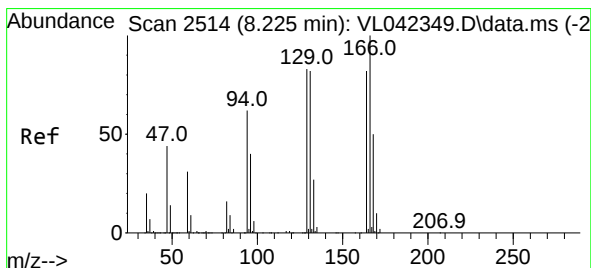
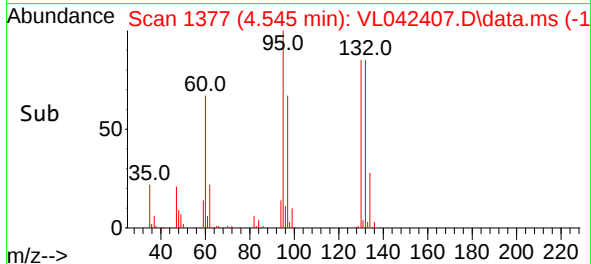
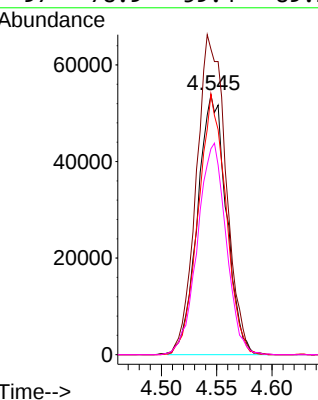
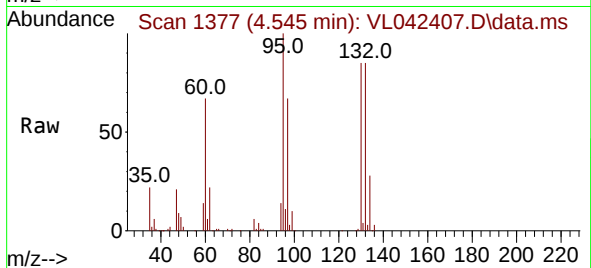
97 78.9 59.4 89.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#52

Tetrachloroethene

Concen: 284.725 ppbv

RT: 8.247 min Scan# 2521

Delta R.T. 0.023 min

Lab File: VL042407.D

Acq: 21 Apr 2025 16:20

Tgt Ion:164 Resp: 3985113

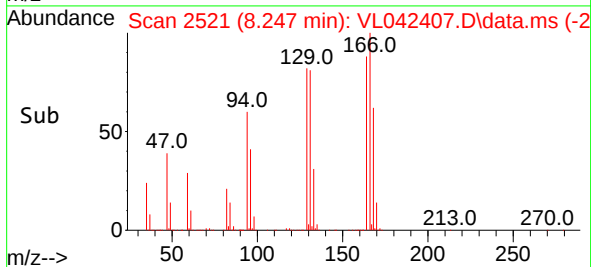
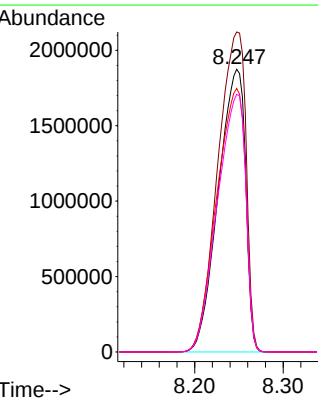
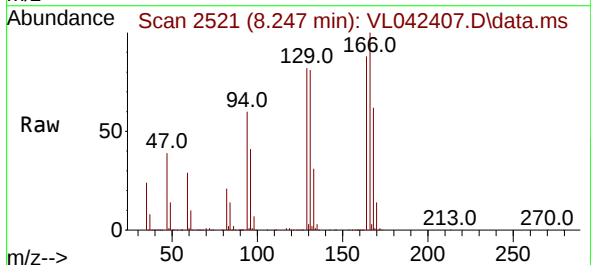
Ion Ratio Lower Upper

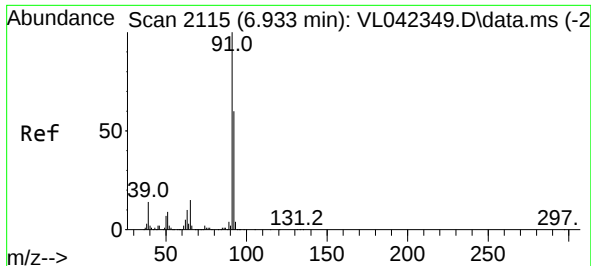
164 100

166 113.2 98.2 147.2

129 93.2 81.8 122.8

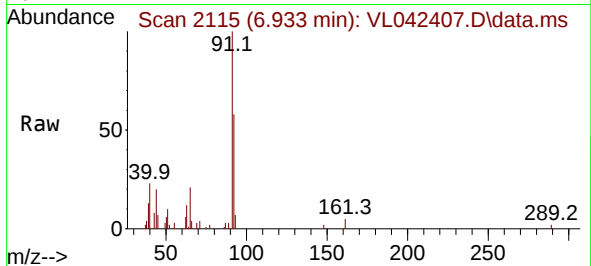
131 91.1 80.5 120.7





#53  
Toluene  
Concen: 0.221 ppbv  
RT: 6.933 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

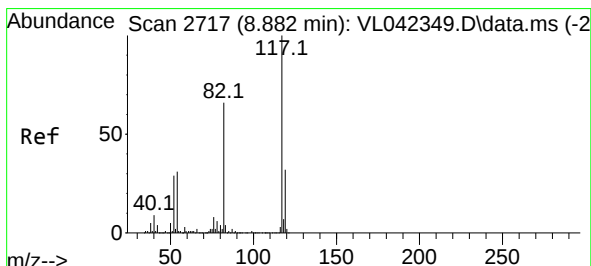
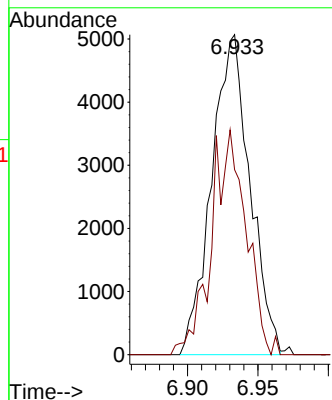
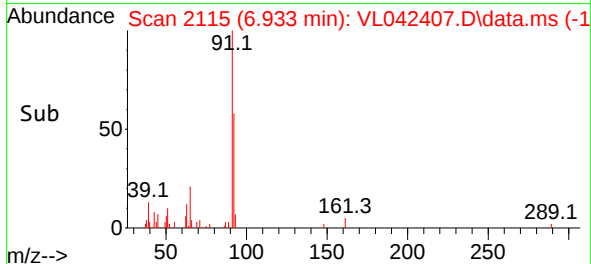
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



Tgt Ion: 91 Resp: 962  
Ion Ratio Lower Upper  
91 100  
92 63.9 48.2 72.4

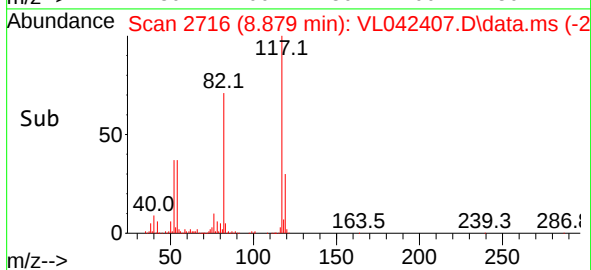
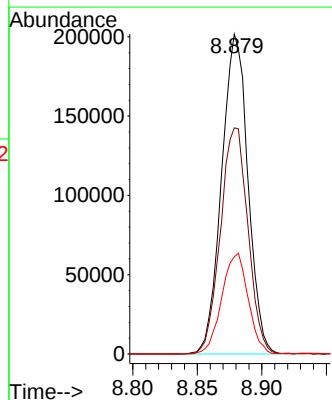
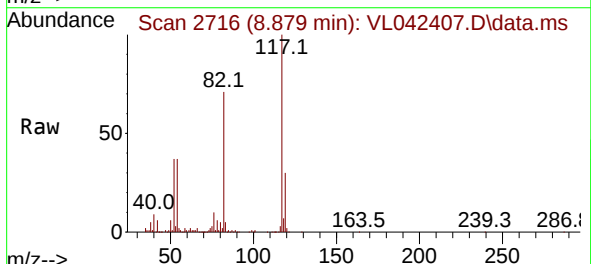
Manual Integrations  
APPROVED

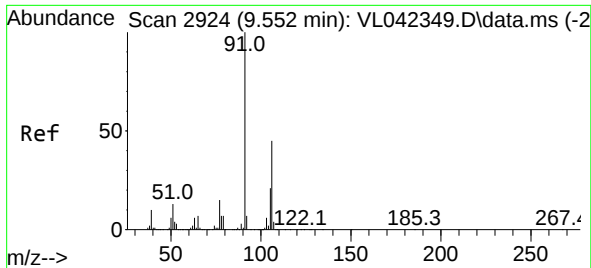
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.879 min Scan# 2716  
Delta R.T. -0.003 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Tgt Ion:117 Resp: 286487  
Ion Ratio Lower Upper  
117 100  
82 73.6 57.8 86.6  
119 31.6 25.2 37.8





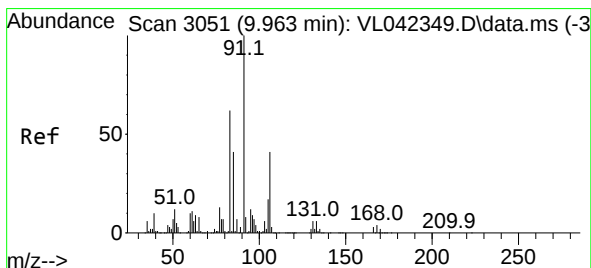
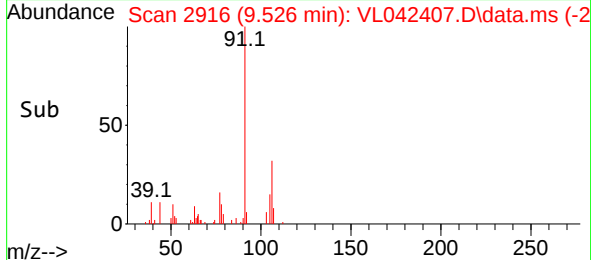
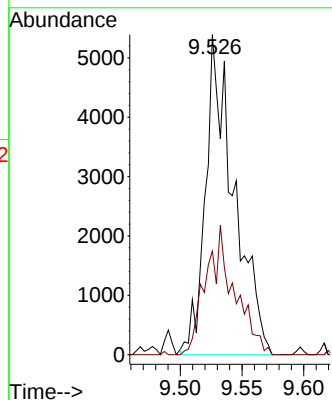
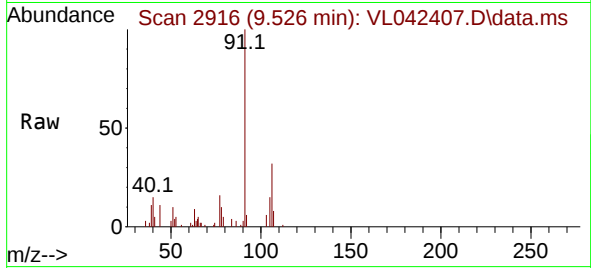
#59  
m/p-Xylene  
Concen: 0.188 ppbv m  
RT: 9.526 min Scan# 2916  
Delta R.T. -0.026 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 91 Resp: 8608  
Ion Ratio Lower Upper  
91 100  
106 0.0 35.4 53.2

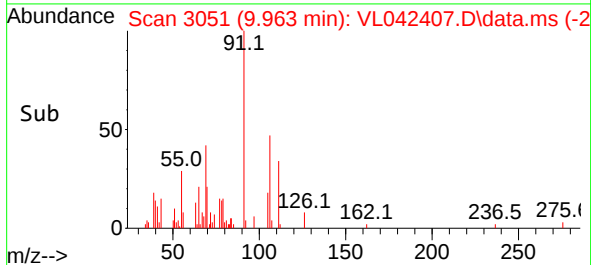
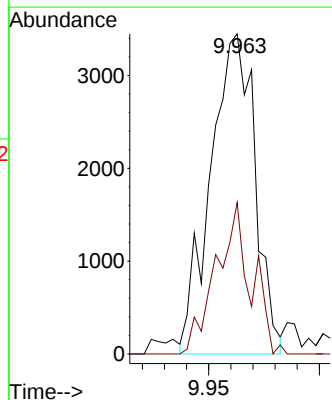
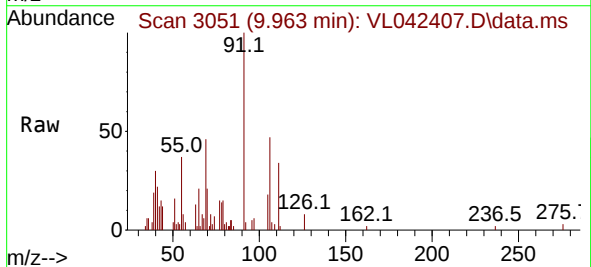
Manual Integrations  
APPROVED

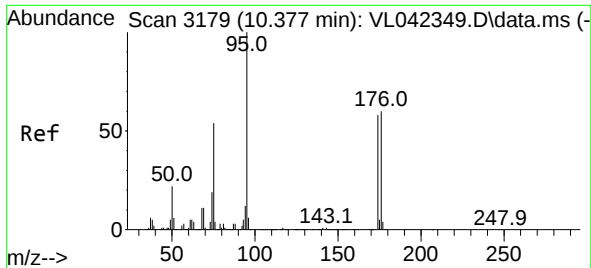
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#60  
o-Xylene  
Concen: 0.105 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. 0.000 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Tgt Ion: 91 Resp: 4818  
Ion Ratio Lower Upper  
91 100  
106 37.0 21.1 63.4





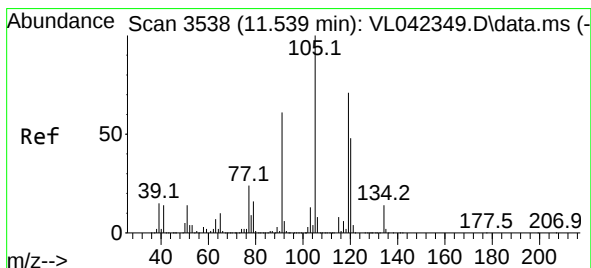
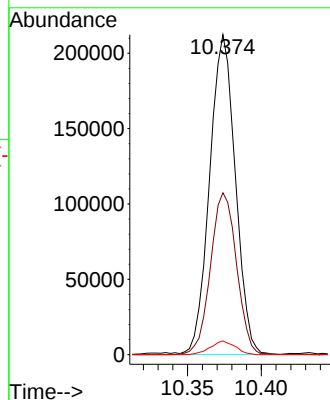
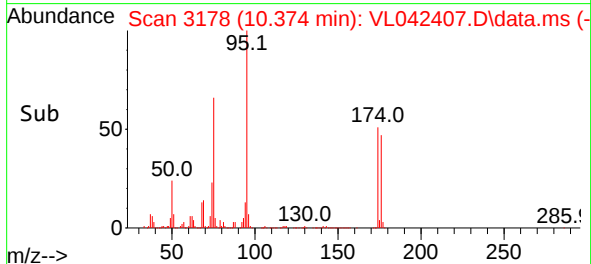
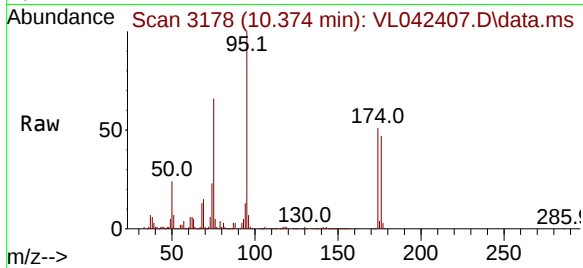
#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.918 ppbv  
RT: 10.374 min Scan# 3178  
Delta R.T. -0.003 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 95 Resp: 257025  
Ion Ratio Lower Upper  
95 100  
174 51.3 48.5 72.7  
175 4.1 3.7 5.5

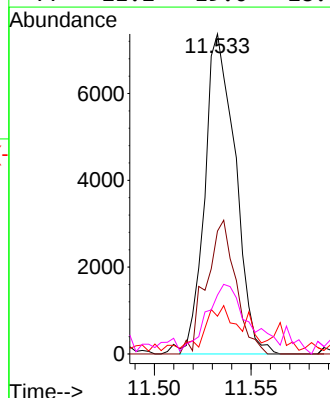
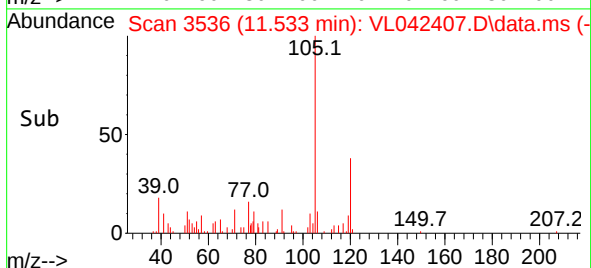
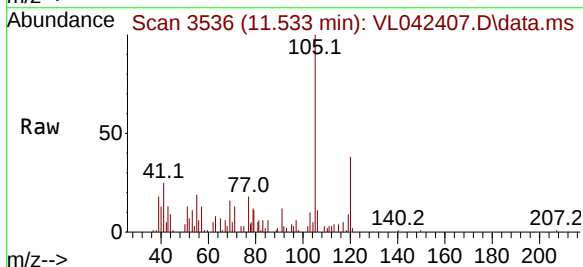
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#74  
1,2,4-Trimethylbenzene  
Concen: 0.139 ppbv  
RT: 11.533 min Scan# 3536  
Delta R.T. -0.006 min  
Lab File: VL042407.D  
Acq: 21 Apr 2025 16:20

Tgt Ion:105 Resp: 8060  
Ion Ratio Lower Upper  
105 100  
120 40.4 38.1 57.1  
91 10.0 48.8 73.2#  
77 21.2 19.0 28.4



## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: | 04/17/25     |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  | 04/18/25     |
| Client Sample ID:  | SV1DL                        | SDG No.:        | Q1844        |
| Lab Sample ID:     | Q1844-01DL                   | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400      Units:    mL        |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042408.D        | 40        |           | 04/21/25 16:51 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 0.56          | 1.43           | UD        | 1.43     | 3.07       | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 5.20          | 21.1           | UD        | 21.1     | 81.0       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 5.30          | 21.0           | JD        | 14.3     | 79.3       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 0.38          | 2.07           | UD        | 2.07     | 6.55       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 60.6          | 326            | D         | 3.65     | 6.45       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 3200          | 21700          | ED        | 4.07     | 8.14       | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.7          |                |           | 65 - 135 | 107%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 122000        |                | 2.79      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 334000        |                | 3.962     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 283000        |                | 8.885     |          |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042408.D  
 Acq On : 21 Apr 2025 16:51  
 Operator : SY/MD  
 Sample : Q1844-01DL 40X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:56:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

| Compound                    |  | R.T.   | QIon           | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--|--------|----------------|----------|----------|------------|----------|
| -----                       |  |        |                |          |          |            |          |
| Internal Standards          |  |        |                |          |          |            |          |
| 1) Bromochloromethane       |  | 2.790  | 49             | 122330   | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene     |  | 3.962  | 114            | 334452   | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5        |  | 8.885  | 117            | 282542   | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds |  |        |                |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene |  | 10.377 | 95             | 247631   | 10.666   | ppbv       | 0.00     |
| Spiked Amount               |  | 10.000 | Range 65 - 135 |          | Recovery | = 106.700% |          |
| Target Compounds            |  |        |                |          |          |            |          |
|                             |  |        |                |          |          |            | Qvalue   |
| 3) Chlorodifluoromethane    |  | 1.476  | 51             | 3071m    | 0.149    | ppbv       |          |
| 9) Propene                  |  | 1.489  | 41             | 15031m   | 1.604    | ppbv       |          |
| 13) Ethanol                 |  | 1.722  | 45             | 4803     | 3.224    | ppbv       | # 24     |
| 15) Acetone                 |  | 1.839  | 43             | 13871    | 0.693    | ppbv       | # 47     |
| 20) Methylene Chloride      |  | 2.062  | 84             | 1332     | 0.170    | ppbv       | 83       |
| 26) Hexane                  |  | 2.832  | 57             | 2836     | 0.142    | ppbv       | # 29     |
| 29) Chloroform              |  | 2.852  | 83             | 5357     | 0.190    | ppbv       | 100      |
| 31) cis-1,2-Dichloroethene  |  | 2.726  | 61             | 2516     | 0.132    | ppbv       | 97       |
| 38) Trichloroethene         |  | 4.551  | 130            | 23894    | 1.515    | ppbv       | 87       |
| 52) Tetrachloroethene       |  | 8.234  | 164            | 1127974  | 80.897   | ppbv       | 96       |
| -----                       |  |        |                |          |          |            |          |

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

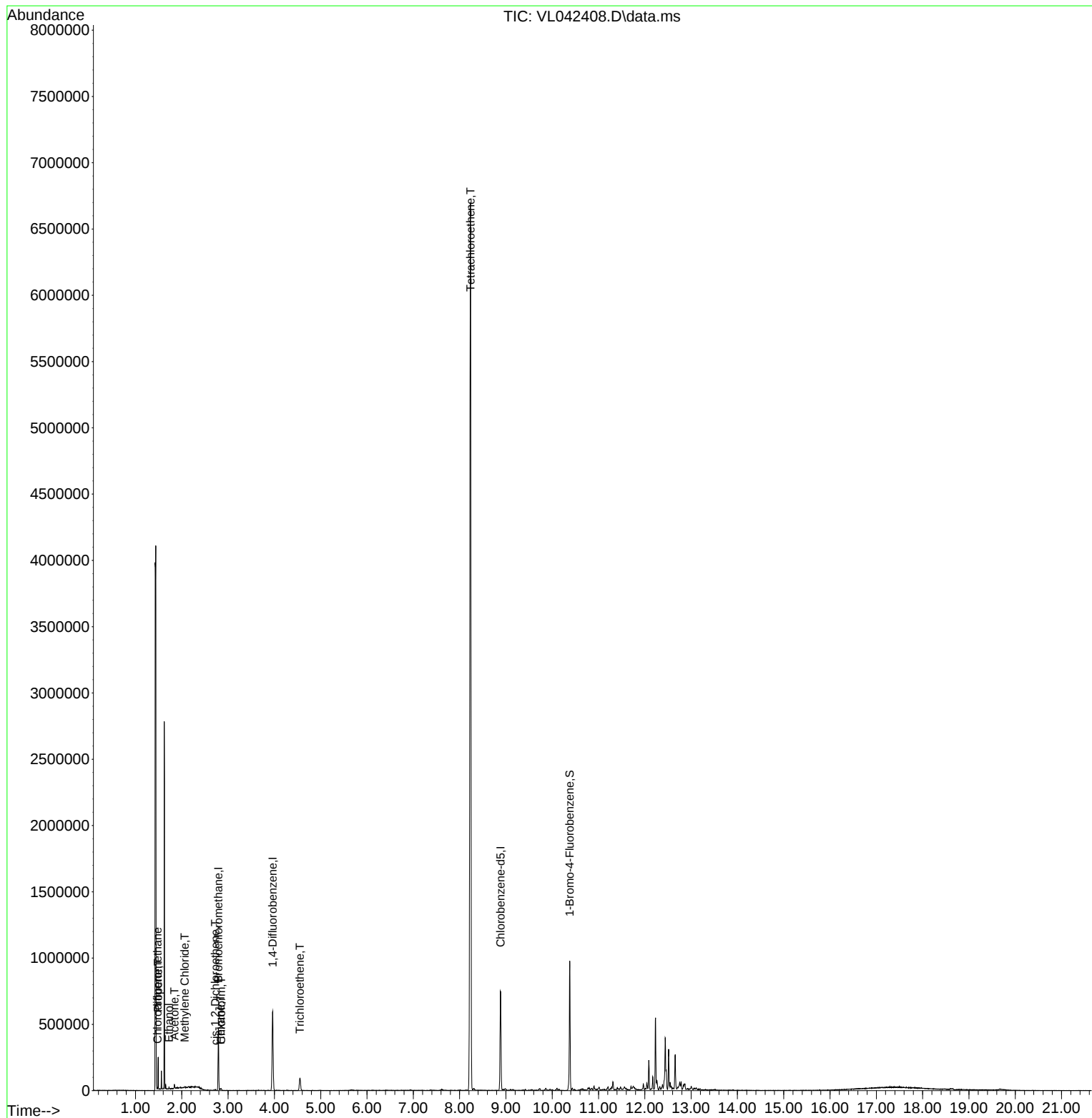
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Data File : VL042408.D  
Acq On : 21 Apr 2025 16:51  
Operator : SY/MD  
Sample : Q1844-01DL 40X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

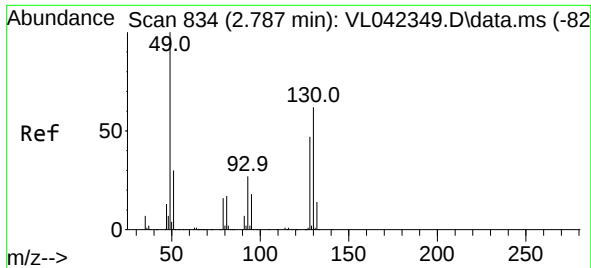
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

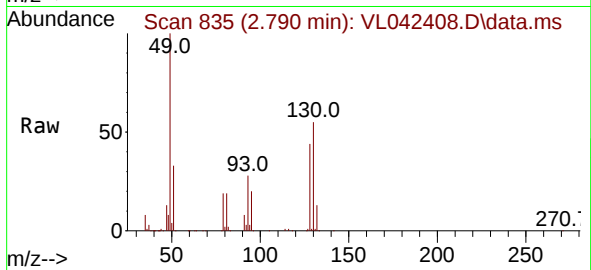
Quant Time: Apr 22 02:56:26 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 834  
Delta R.T. 0.003 min  
Lab File: VL042408.D  
Acq: 21 Apr 2025 16:51

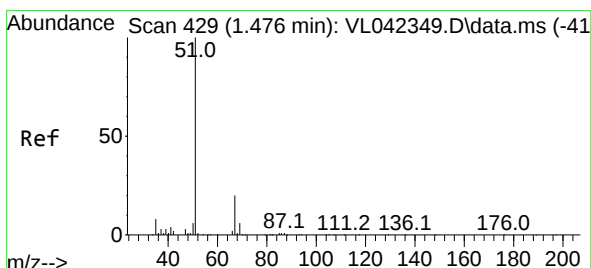
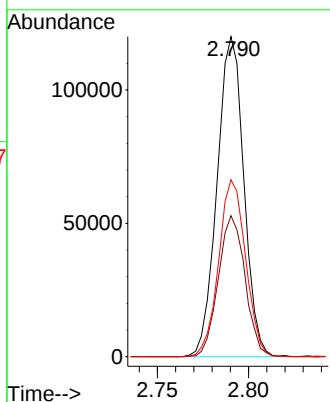
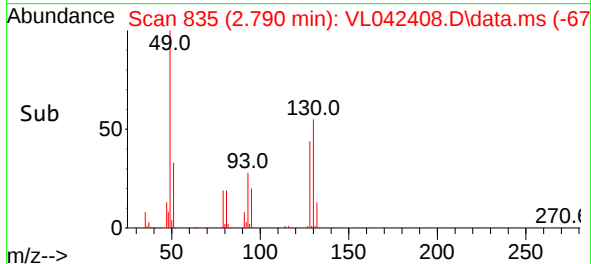
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion: 49 Resp: 122330  
Ion Ratio Lower Upper  
49 100  
128 44.0 22.8 68.4  
130 55.7 29.3 88.0

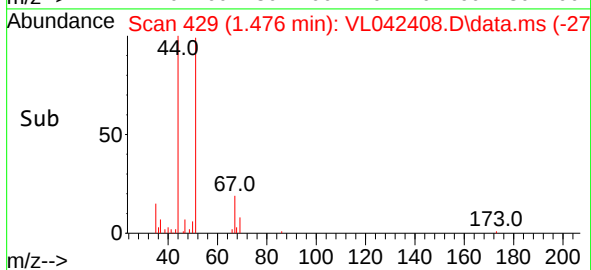
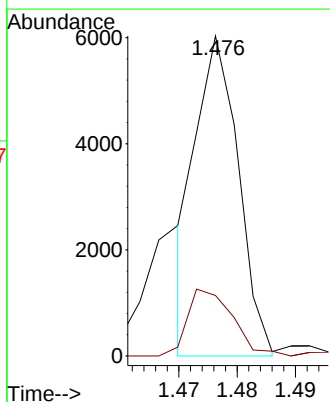
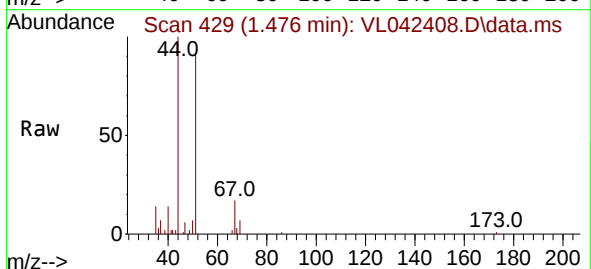
Manual Integrations  
APPROVED

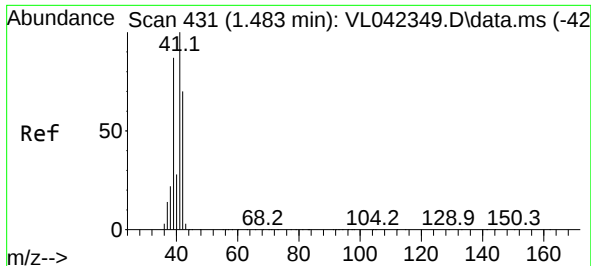
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#3  
Chlorodifluoromethane  
Concen: 0.149 ppbv m  
RT: 1.476 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VL042408.D  
Acq: 21 Apr 2025 16:51

Tgt Ion: 51 Resp: 3071  
Ion Ratio Lower Upper  
51 100  
67 23.4 16.2 24.4





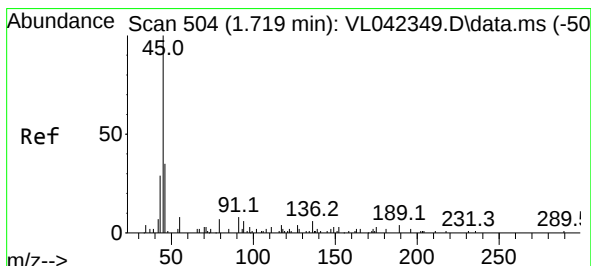
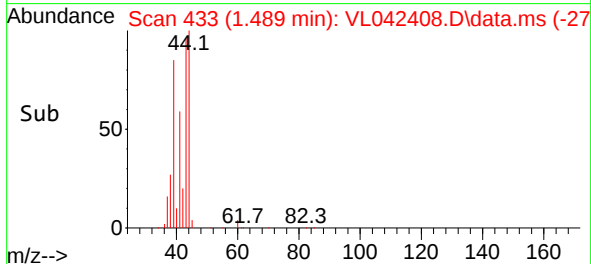
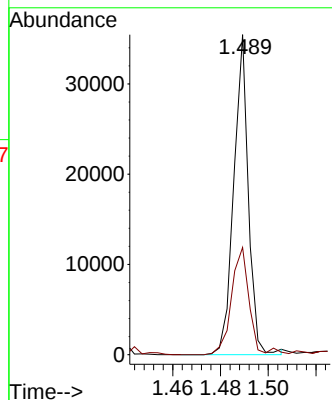
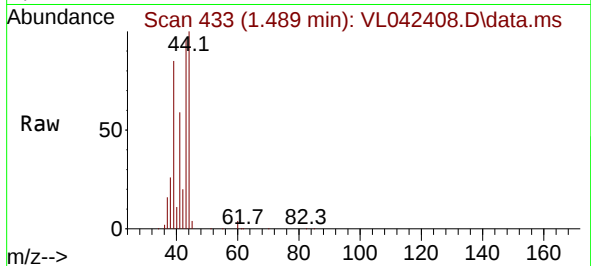
#9  
 Propene  
 Concen: 1.604 ppbv m  
 RT: 1.489 min Scan# 41  
 Delta R.T. 0.007 min  
 Lab File: VL042408.D  
 Acq: 21 Apr 2025 16:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL

Tgt Ion: 41 Resp: 1503  
 Ion Ratio Lower Upper  
 41 100  
 42 73.0 56.2 84.4

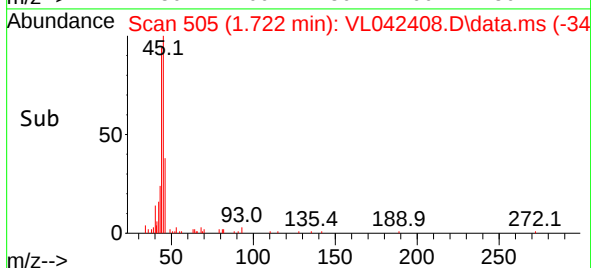
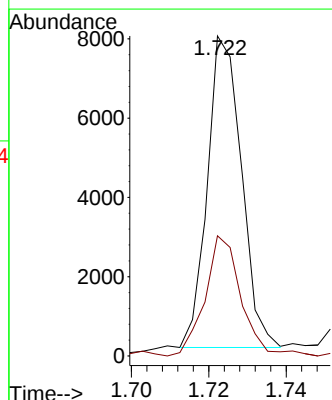
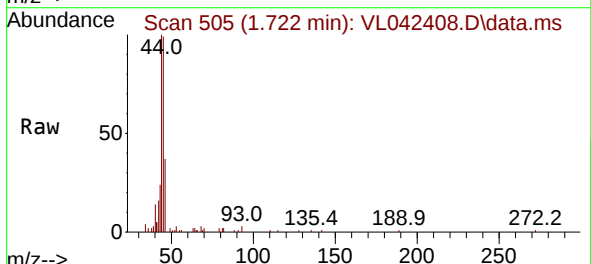
Manual Integrations  
 APPROVED

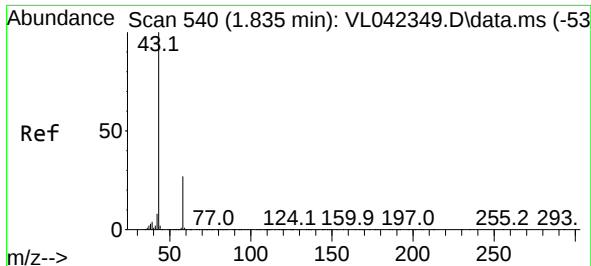
Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025



#13  
 Ethanol  
 Concen: 3.224 ppbv  
 RT: 1.722 min Scan# 505  
 Delta R.T. 0.003 min  
 Lab File: VL042408.D  
 Acq: 21 Apr 2025 16:51

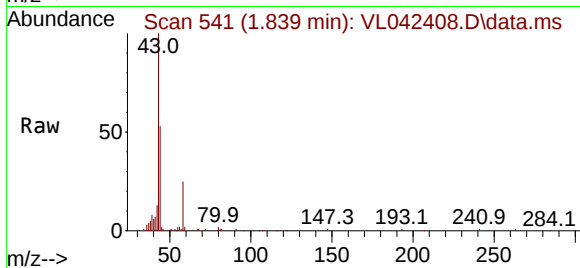
Tgt Ion: 45 Resp: 4803  
 Ion Ratio Lower Upper  
 45 100  
 46 0.0 21.9 87.7#





#15  
Acetone  
Concen: 0.693 ppbv  
RT: 1.839 min Scan# 540  
Delta R.T. 0.003 min  
Lab File: VL042408.D  
Acq: 21 Apr 2025 16:51

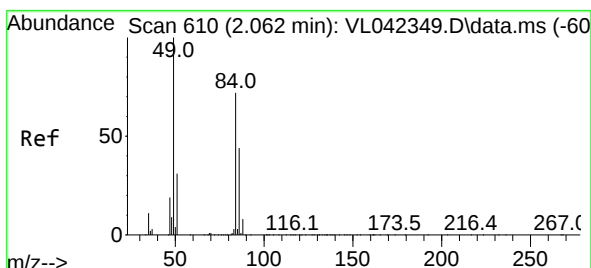
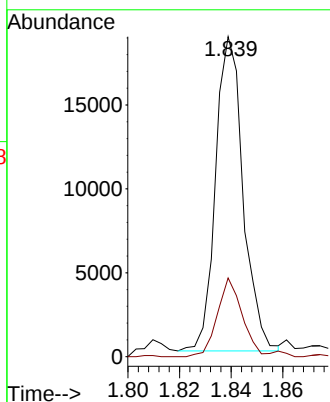
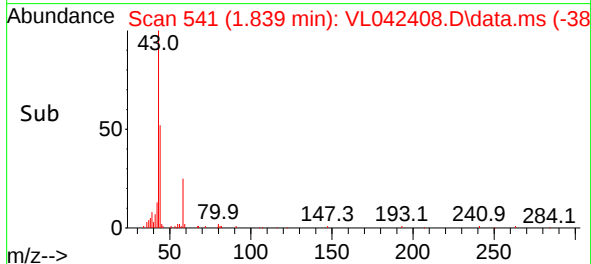
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



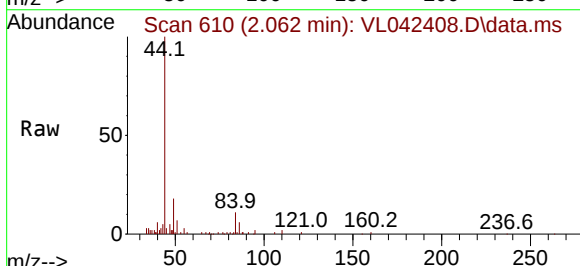
Tgt Ion: 43 Resp: 1387  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.4 33.6

Manual Integrations  
APPROVED

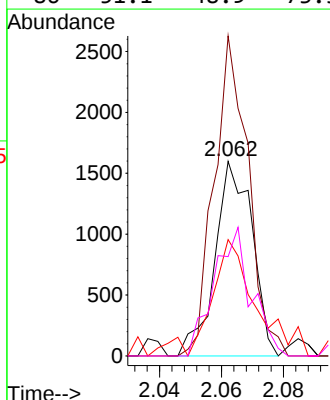
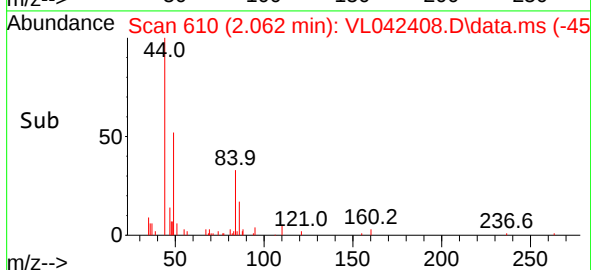
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

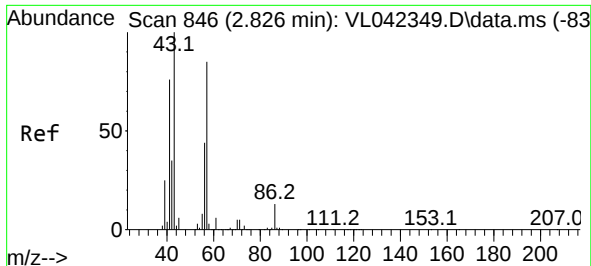


#20  
Methylene Chloride  
Concen: 0.170 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VL042408.D  
Acq: 21 Apr 2025 16:51



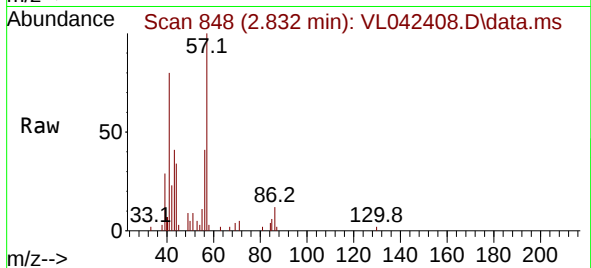
Tgt Ion: 84 Resp: 1332  
Ion Ratio Lower Upper  
84 100  
49 164.5 111.6 167.4  
51 50.2 35.1 52.7  
86 51.1 48.9 73.3





#26  
Hexane  
Concen: 0.142 ppbv  
RT: 2.832 min Scan# 84  
Delta R.T. 0.007 min  
Lab File: VL042408.D  
Acq: 21 Apr 2025 16:51

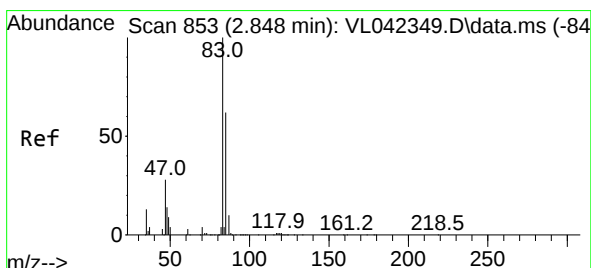
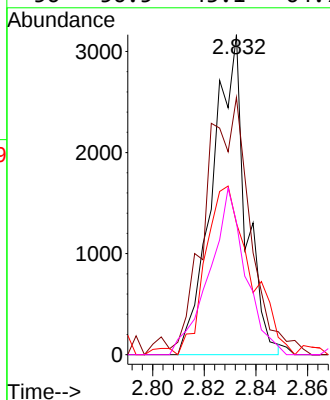
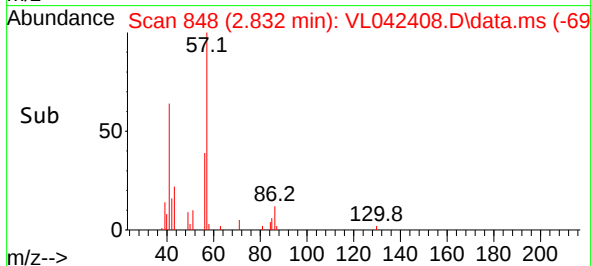
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion: 57 Resp: 2830  
Ion Ratio Lower Upper  
57 100  
41 115.5 77.9 116.9  
43 73.6 208.4 312.6  
56 56.5 43.1 64.7

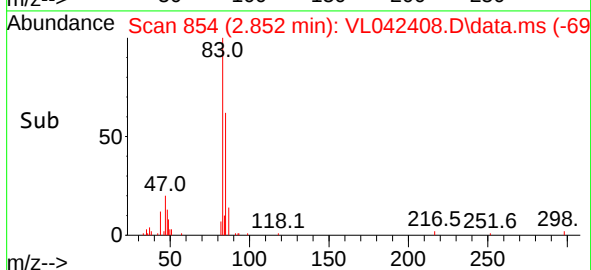
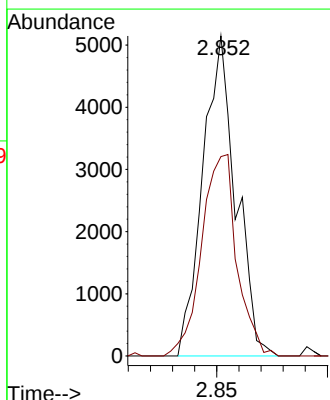
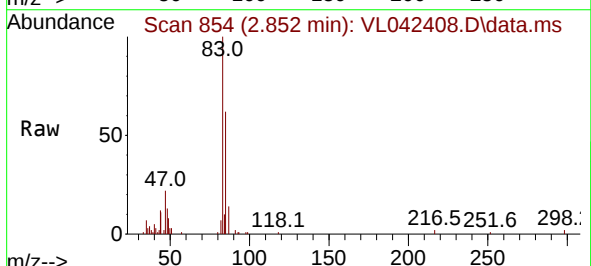
Manual Integrations  
APPROVED

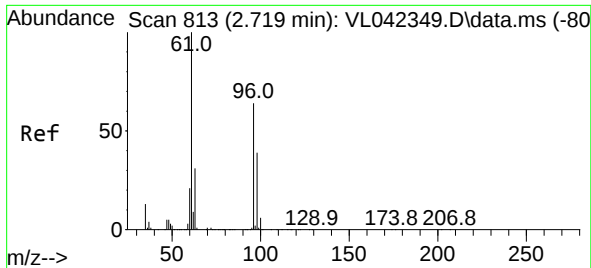
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#29  
Chloroform  
Concen: 0.190 ppbv  
RT: 2.852 min Scan# 854  
Delta R.T. 0.003 min  
Lab File: VL042408.D  
Acq: 21 Apr 2025 16:51

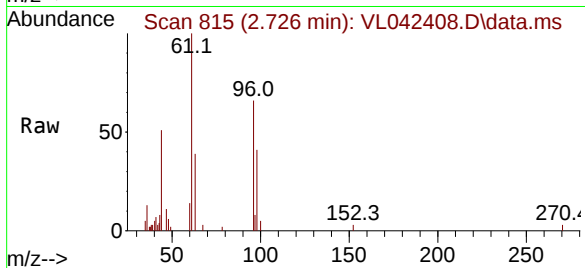
Tgt Ion: 83 Resp: 5357  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.0 75.0





#31  
 cis-1,2-Dichloroethene  
 Concen: 0.132 ppbv  
 RT: 2.726 min Scan# 813  
 Delta R.T. 0.007 min  
 Lab File: VL042408.D  
 Acq: 21 Apr 2025 16:51

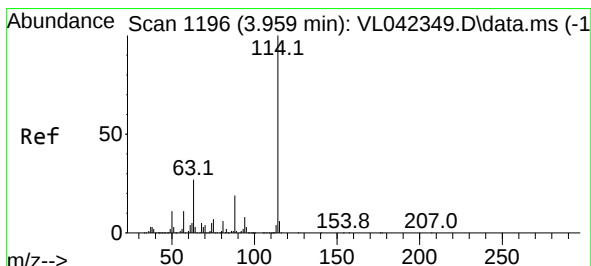
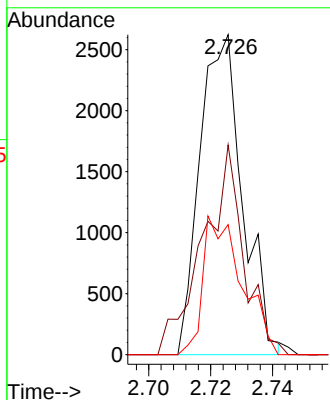
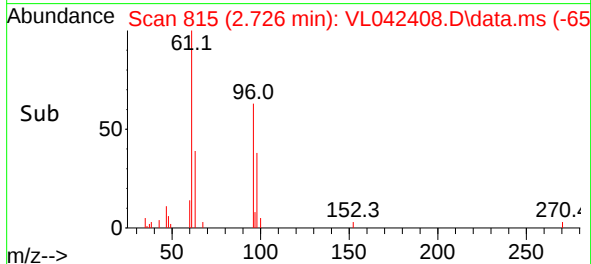
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL



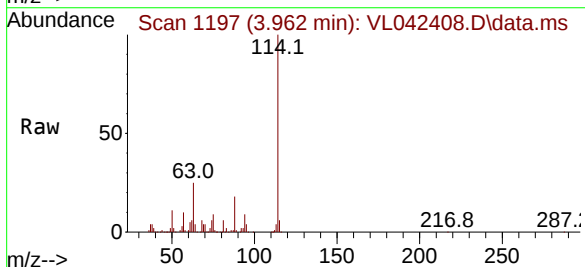
Tgt Ion: 61 Resp: 2510  
 Ion Ratio Lower Upper  
 61 100  
 96 61.9 50.8 76.2  
 98 40.6 30.9 46.3

Manual Integrations  
 APPROVED

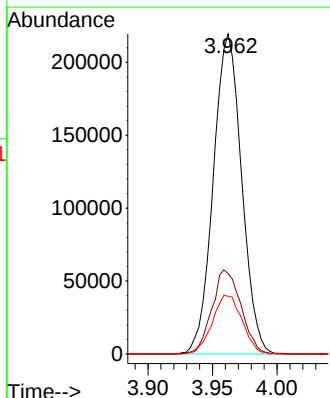
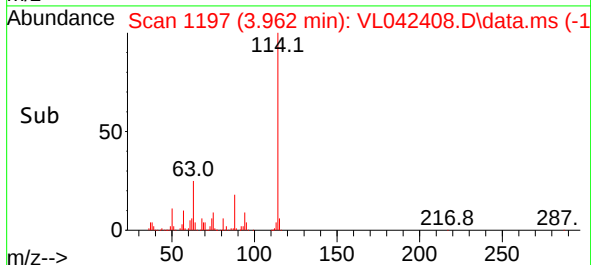
Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

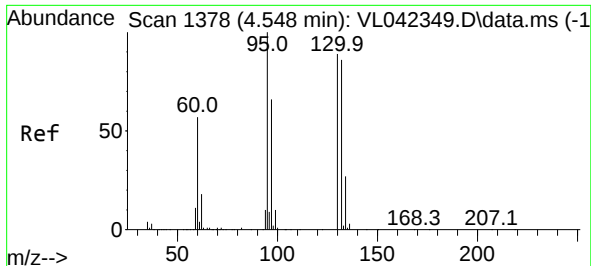


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.962 min Scan# 1197  
 Delta R.T. 0.003 min  
 Lab File: VL042408.D  
 Acq: 21 Apr 2025 16:51



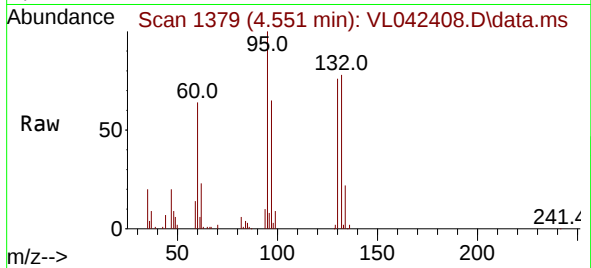
Tgt Ion:114 Resp: 334452  
 Ion Ratio Lower Upper  
 114 100  
 63 27.0 21.8 32.6  
 88 19.2 15.5 23.3





#38  
 Trichloroethene  
 Concen: 1.515 ppbv  
 RT: 4.551 min Scan# 1379  
 Delta R.T. 0.003 min  
 Lab File: VL042408.D  
 Acq: 21 Apr 2025 16:51

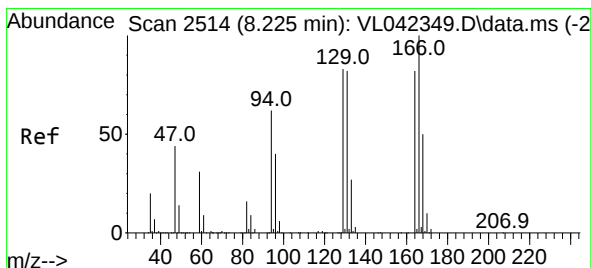
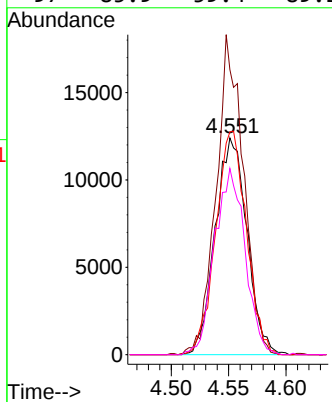
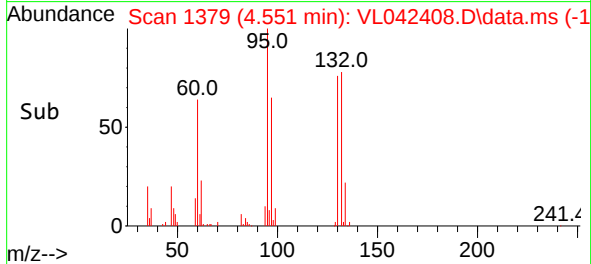
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL



Tgt Ion:130 Resp: 23894  
 Ion Ratio Lower Upper  
 130 100  
 95 131.5 89.8 134.6  
 132 102.7 77.7 116.5  
 97 85.9 59.4 89.2

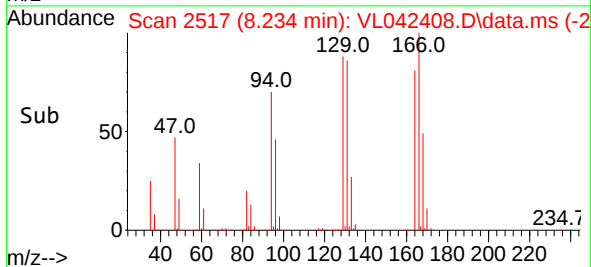
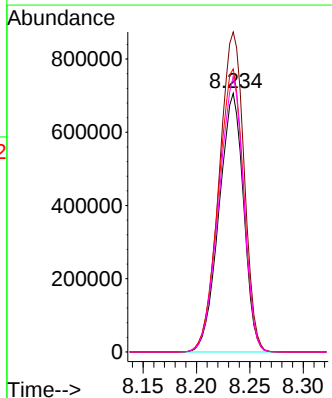
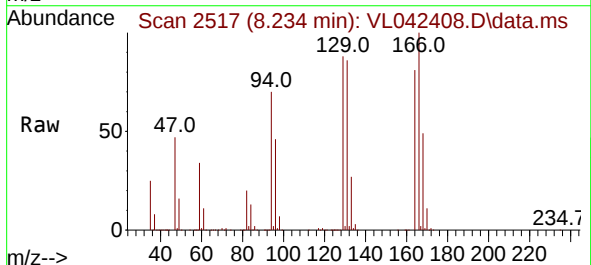
Manual Integrations  
 APPROVED

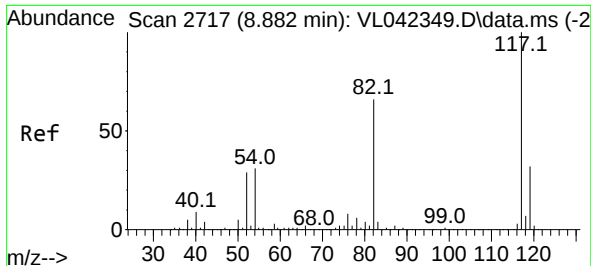
Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025



#52  
 Tetrachloroethene  
 Concen: 80.897 ppbv  
 RT: 8.234 min Scan# 2517  
 Delta R.T. 0.010 min  
 Lab File: VL042408.D  
 Acq: 21 Apr 2025 16:51

Tgt Ion:164 Resp: 1127974  
 Ion Ratio Lower Upper  
 164 100  
 166 123.7 98.2 147.2  
 129 109.4 81.8 122.8  
 131 106.5 80.5 120.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042408.D

Acq: 21 Apr 2025 16:51

Instrument :

MSVOA\_L

ClientSampleId :

SV1DL

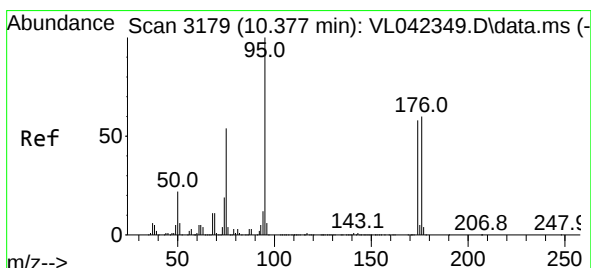
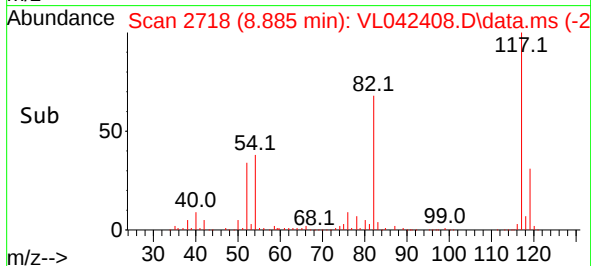
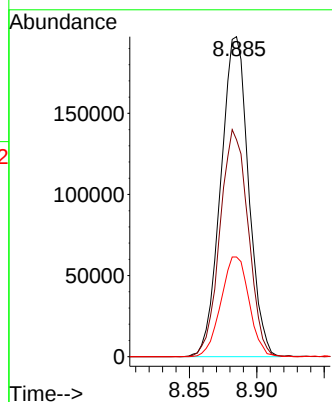
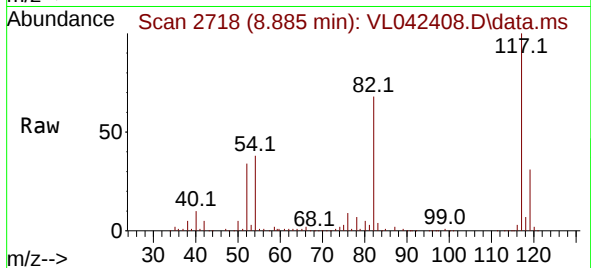
Tgt Ion: 117 Resp: 28254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 72.1  | 57.8  | 86.6  |
| 119 | 31.7  | 25.2  | 37.8  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.666 ppbv

RT: 10.377 min Scan# 3179

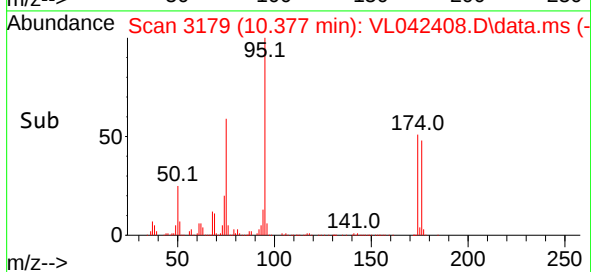
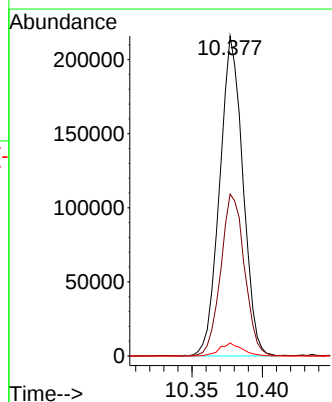
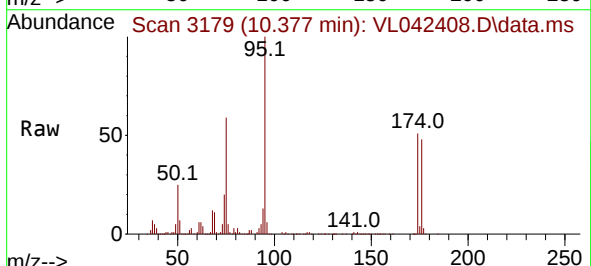
Delta R.T. 0.000 min

Lab File: VL042408.D

Acq: 21 Apr 2025 16:51

Tgt Ion: 95 Resp: 247631

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 51.8  | 48.5  | 72.7  |
| 175 | 3.9   | 3.7   | 5.5   |



## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: | 04/17/25     |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  | 04/18/25     |
| Client Sample ID:  | SV1DL2                       | SDG No.:        | Q1844        |
| Lab Sample ID:     | Q1844-01DL2                  | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400      Units:    mL        |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042414.D        | 600       |           | 04/22/25 07:47 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 8.40          | 21.5           | UD        | 21.5     | 46.0       | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 78.0          | 316            | UD        | 316      | 1210       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 53.4          | 212            | UD        | 212      | 1190       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 5.70          | 31.1           | UD        | 31.1     | 98.2       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 66.0          | 355            | D         | 54.8     | 96.7       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 3200          | 21700          | D         | 61.0     | 122        | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.4          |                |           | 65 - 135 | 104%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 119000        |                | 2.79      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 333000        |                | 3.962     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 282000        |                | 8.888     |          |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042414.D  
 Acq On : 22 Apr 2025 07:47  
 Operator : SY/MD  
 Sample : Q1844-01DL2 600X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL2

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 08:41:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 2.790  | 49    | 119088   | 10.000   | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.962  | 114   | 333100   | 10.000   | ppbv  | 0.00     |
| 55) Chlorobenzene-d5        | 8.888  | 117   | 281509   | 10.000   | ppbv  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.384 | 95    | 239958   | 10.373   | ppbv  | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 103.700% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 38) Trichloroethene         | 4.548  | 130   | 1726m    | 0.110    | ppbv  |          |
| 52) Tetrachloroethene       | 8.231  | 164   | 74583    | 5.371    | ppbv  | 92       |
| -----                       |        |       |          |          |       |          |

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

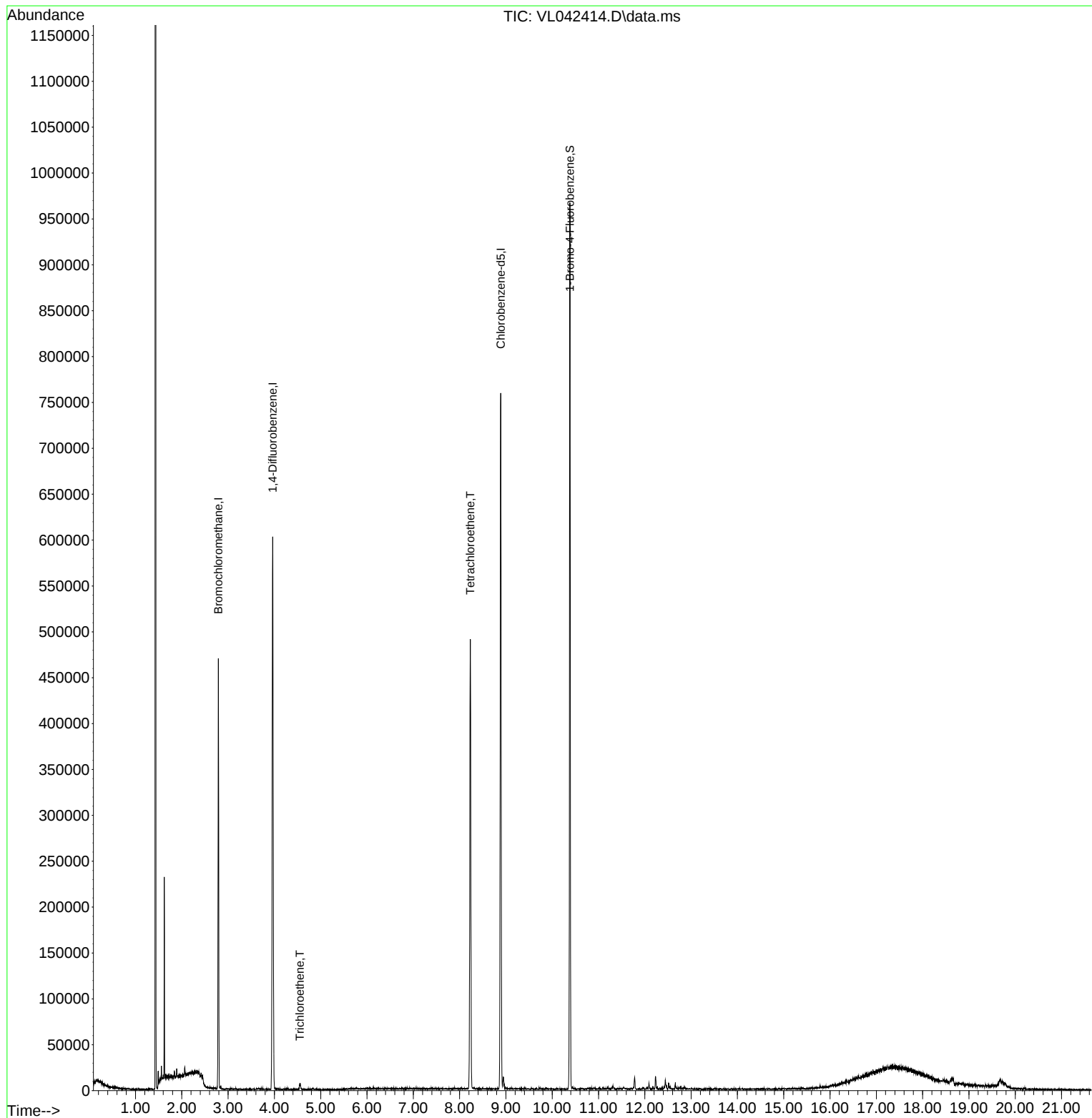
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
Data File : VL042414.D  
Acq On : 22 Apr 2025 07:47  
Operator : SY/MD  
Sample : Q1844-01DL2 600X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

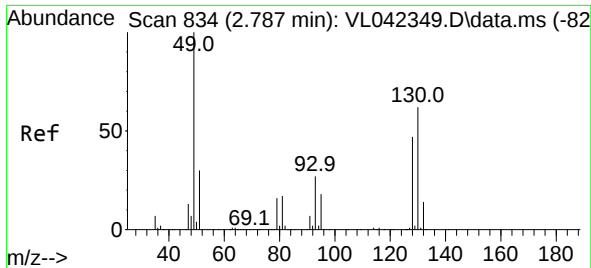
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL2

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

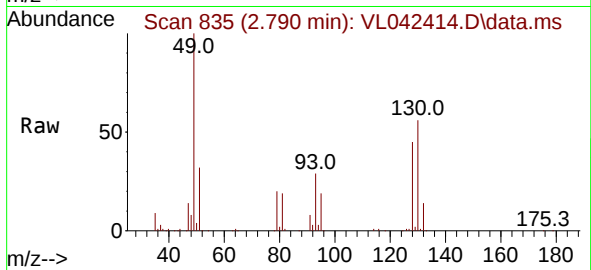
Quant Time: Apr 22 08:41:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL042414.D  
Acq: 22 Apr 2025 07:47

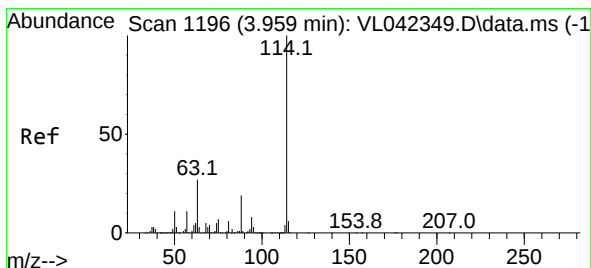
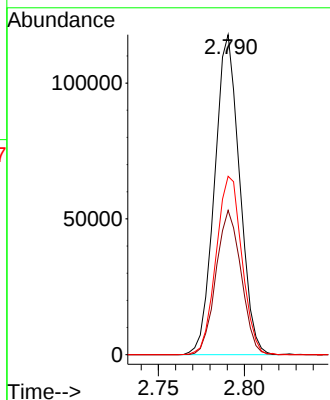
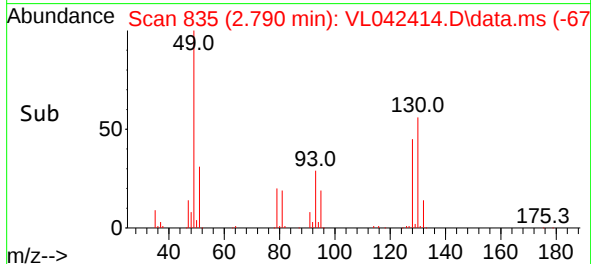
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL2



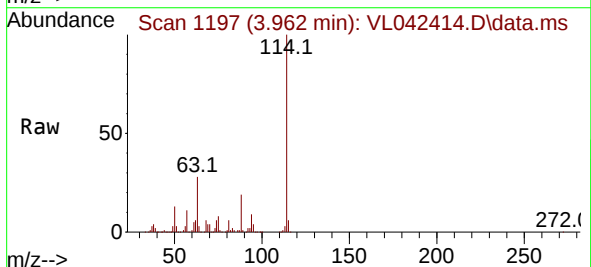
Tgt Ion: 49 Resp: 119088  
Ion Ratio Lower Upper  
49 100  
128 45.3 22.8 68.4  
130 57.5 29.3 88.0

Manual Integrations  
APPROVED

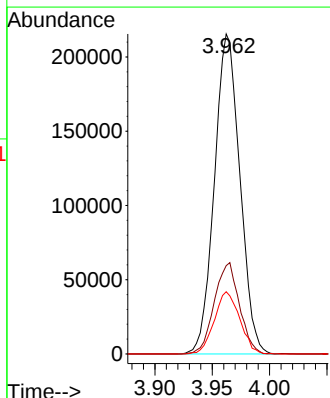
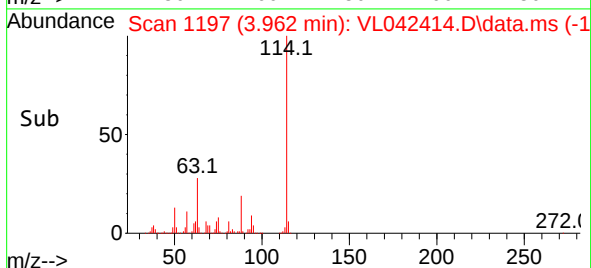
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

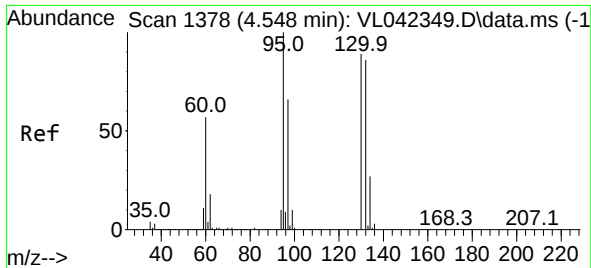


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.962 min Scan# 1197  
Delta R.T. 0.004 min  
Lab File: VL042414.D  
Acq: 22 Apr 2025 07:47



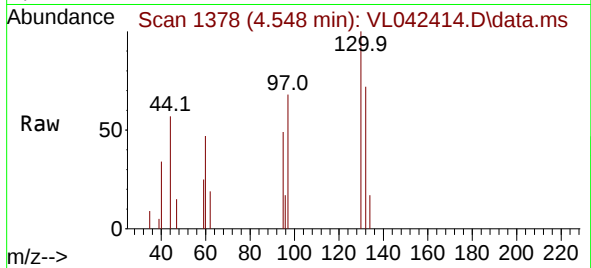
Tgt Ion:114 Resp: 333100  
Ion Ratio Lower Upper  
114 100  
63 28.1 21.8 32.6  
88 19.4 15.5 23.3





#38  
 Trichloroethene  
 Concen: 0.110 ppbv m  
 RT: 4.548 min Scan# 1378  
 Delta R.T. 0.000 min  
 Lab File: VL042414.D  
 Acq: 22 Apr 2025 07:47

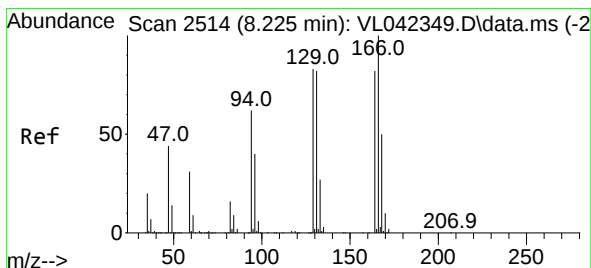
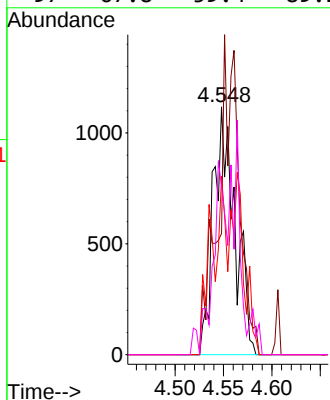
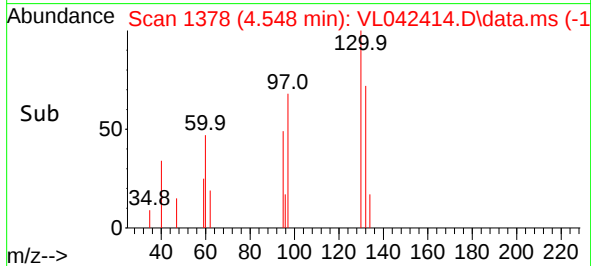
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL2



Tgt Ion:130 Resp: 1720  
 Ion Ratio Lower Upper  
 130 100  
 95 48.9 89.8 134.6  
 132 71.9 77.7 116.5  
 97 67.8 59.4 89.2

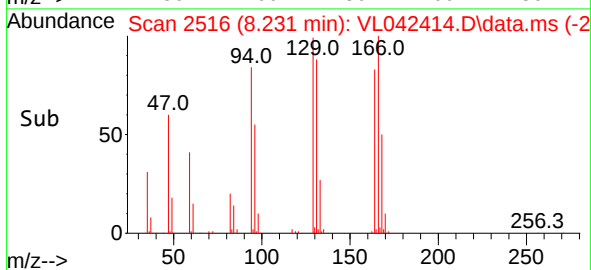
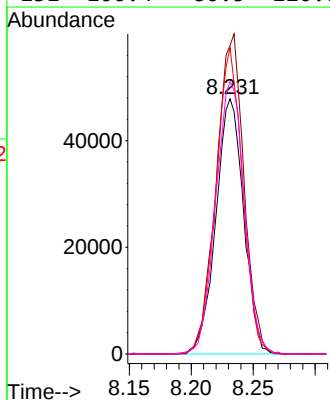
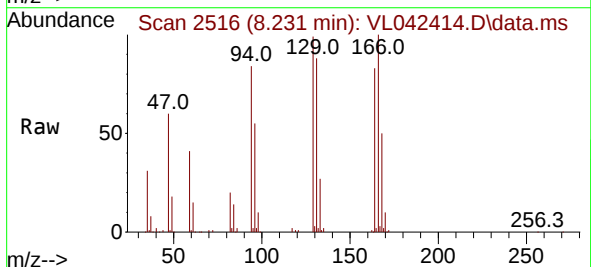
Manual Integrations  
 APPROVED

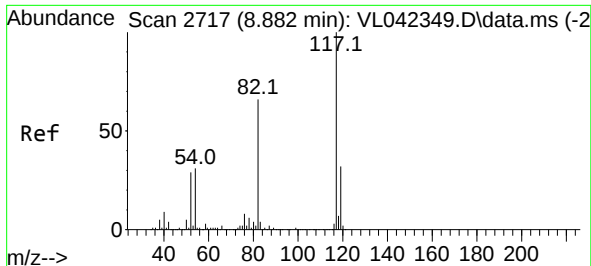
Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025



#52  
 Tetrachloroethene  
 Concen: 5.371 ppbv  
 RT: 8.231 min Scan# 2516  
 Delta R.T. 0.007 min  
 Lab File: VL042414.D  
 Acq: 22 Apr 2025 07:47

Tgt Ion:164 Resp: 74583  
 Ion Ratio Lower Upper  
 164 100  
 166 120.9 98.2 147.2  
 129 119.7 81.8 122.8  
 131 106.4 80.5 120.7





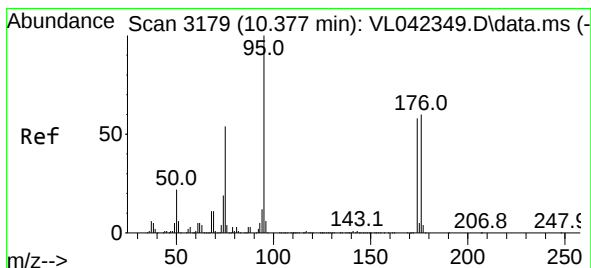
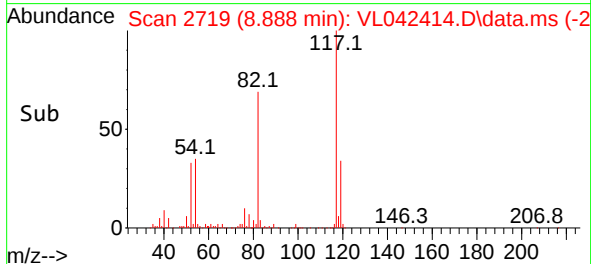
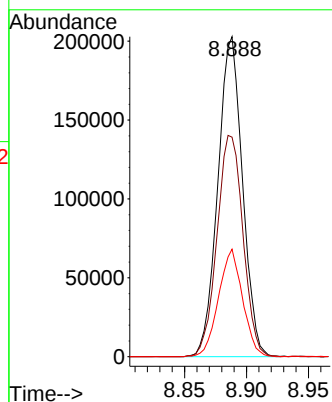
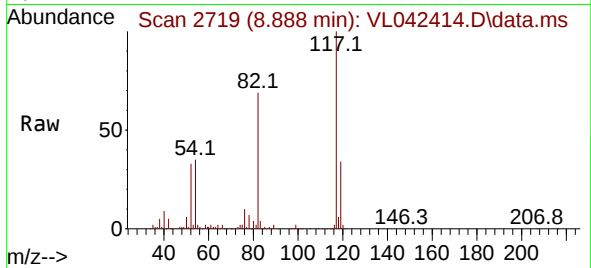
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2117  
Delta R.T. 0.007 min  
Lab File: VL042414.D  
Acq: 22 Apr 2025 07:47

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL2

Tgt Ion:117 Resp: 281509  
Ion Ratio Lower Upper  
117 100  
82 73.0 57.8 86.6  
119 32.7 25.2 37.8

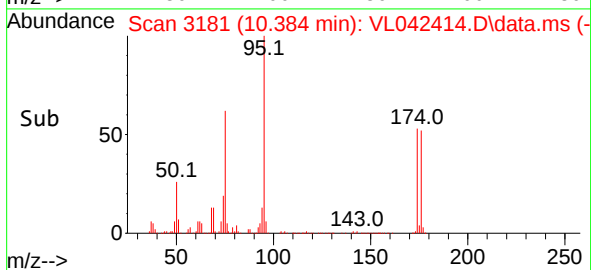
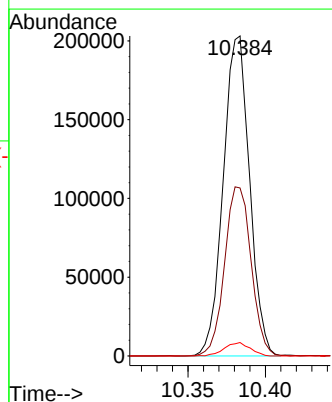
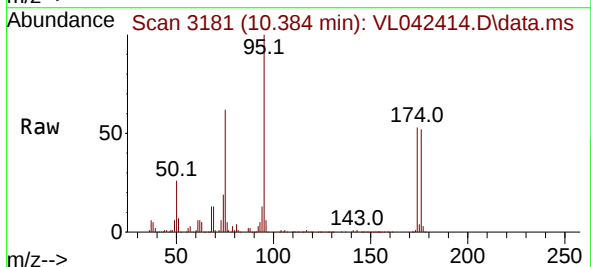
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.373 ppbv  
RT: 10.384 min Scan# 3181  
Delta R.T. 0.007 min  
Lab File: VL042414.D  
Acq: 22 Apr 2025 07:47

Tgt Ion: 95 Resp: 239958  
Ion Ratio Lower Upper  
95 100  
174 53.5 48.5 72.7  
175 4.1 3.7 5.5



## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: | 04/17/25     |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  | 04/18/25     |
| Client Sample ID:  | IA1                          | SDG No.:        | Q1844        |
| Lab Sample ID:     | Q1844-02                     | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400      Units:    mL        |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042402.D        | 1         |           | 04/21/25 13:38 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 0.010         | 0.030          | U         | 0.030    | 0.080      | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 0.13          | 0.53           | U         | 0.53     | 2.02       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 0.090         | 0.36           | U         | 0.36     | 1.98       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 0.010         | 0.050          | U         | 0.050    | 0.16       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 0.020         | 0.11           | U         | 0.11     | 0.16       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 19.3          | 131            | E         | 0.14     | 0.20       | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.6          |                |           | 65 - 135 | 106%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 129000        |                | 2.78      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 363000        |                | 3.949     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 307000        |                | 8.878     |          |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042402.D  
 Acq On : 21 Apr 2025 13:38  
 Operator : SY/MD  
 Sample : Q1844-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Manual Integrations  
 APPROVED

Reviewed By : Semsettin  
 Yesilyurt

04/22/2025  
 Supervised By : Mahesh  
 Dadoda

Quant Time: Apr 22 02:53:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) | D   |
|-----------------------------|--------|-------|----------|----------|-------|----------|-----|
| -----                       |        |       |          |          |       |          |     |
| Internal Standards          |        |       |          |          |       |          |     |
| 1) Bromochloromethane       | 2.780  | 49    | 129429   | 10.000   | ppbv  | 0.00     |     |
| 33) 1,4-Difluorobenzene     | 3.949  | 114   | 363256   | 10.000   | ppbv  | 0.00     |     |
| 55) Chlorobenzene-d5        | 8.878  | 117   | 306838   | 10.000   | ppbv  | 0.00     |     |
| System Monitoring Compounds |        |       |          |          |       |          |     |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 266636   | 10.575   | ppbv  | 0.00     |     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 105.700% |     |
| Target Compounds            |        |       |          |          |       |          |     |
|                             |        |       |          |          |       | Qvalue   |     |
| 2) Dichlorodifluoromethane  | 1.495  | 85    | 9277     | 0.406    | ppbv  |          | 99  |
| 4) Chloromethane            | 1.531  | 50    | 4494     | 0.497    | ppbv  |          | 99  |
| 9) Propene                  | 1.486  | 41    | 973005m  | 98.117   | ppbv  |          |     |
| 10) Heptane                 | 4.978  | 43    | 9647m    | 0.346    | ppbv  |          |     |
| 11) Trichlorofluoromethane  | 1.871  | 101   | 4989m    | 0.229    | ppbv  |          |     |
| 13) Ethanol                 | 1.751  | 45    | 6709644  | 4256.821 | ppbv  |          | 85  |
| 15) Acetone                 | 1.835  | 43    | 480705   | 22.688   | ppbv  | #        | 87  |
| 17) tert-Butyl alcohol      | 2.049  | 59    | 134017   | 5.104    | ppbv  |          | 99  |
| 19) Isopropyl Alcohol       | 1.894  | 45    | 1797369  | 152.706  | ppbv  | #        | 42  |
| 20) Methylene Chloride      | 2.059  | 84    | 4958     | 0.598    | ppbv  | #        | 91  |
| 26) Hexane                  | 2.822  | 57    | 14222    | 0.673    | ppbv  |          | 88  |
| 30) Cyclohexane             | 3.842  | 84    | 3232m    | 0.189    | ppbv  |          |     |
| 34) 2-Butanone              | 2.560  | 43    | 19570    | 0.681    | ppbv  |          | 94  |
| 35) Carbon Tetrachloride    | 3.761  | 117   | 2281m    | 0.069    | ppbv  |          |     |
| 36) Benzene                 | 3.651  | 78    | 489138   | 12.484   | ppbv  |          | 95  |
| 44) 2,2,4-Trimethylpentane  | 4.635  | 57    | 21675    | 0.320    | ppbv  | #        | 75  |
| 52) Tetrachloroethene       | 8.221  | 164   | 292573   | 19.319   | ppbv  |          | 90  |
| 53) Toluene                 | 6.923  | 91    | 91866    | 1.954    | ppbv  |          | 100 |
| 58) Ethyl Benzene           | 9.347  | 91    | 17207    | 0.283    | ppbv  |          | 91  |
| 59) m/p-Xylene              | 9.529  | 91    | 38575m   | 0.788    | ppbv  |          |     |
| 60) o-Xylene                | 9.962  | 91    | 15784    | 0.320    | ppbv  |          | 99  |
| 61) Styrene                 | 9.869  | 104   | 8361     | 0.355    | ppbv  |          | 94  |
| 69) p-Isopropyltoluene      | 11.921 | 119   | 8280     | 0.103    | ppbv  |          | 96  |
| 74) 1,2,4-Trimethylbenzene  | 11.532 | 105   | 14087    | 0.227    | ppbv  | #        | 65  |
| 79) Naphthalene             | 13.510 | 128   | 38319    | 0.515    | ppbv  |          | 96  |
| -----                       |        |       |          |          |       |          |     |

04/22/2025

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

## Manual Integrations

04/22/2025  
Supervised By :Mahesh  
Dadoda

04/22/2025

Supervised By : Manesh  
Dadoda

04/22/2025

Abundance

TIC: VL042402.D\data.ms

Dadoda

04/22/2025

Time-->

Chloroform, T

Propene, T

Ethanol

Isopropyl Alcohol, T

Acetone, T

Hexachloroethane, T

Methylcyclopentadiene, T

2-Butanone, T

Hexane, T

Bromochloromethane, T

Carbon tetrachloride, T

Benzene, T

1,4-Difluorobenzene, T

2,2,4-Trimethylpentane, T

Heptane, T

Toluene, T

Tetrachloroethene, T

Chlorobenzene-d5, T

Ethyl Benzene, T

m,p-Xylene, T

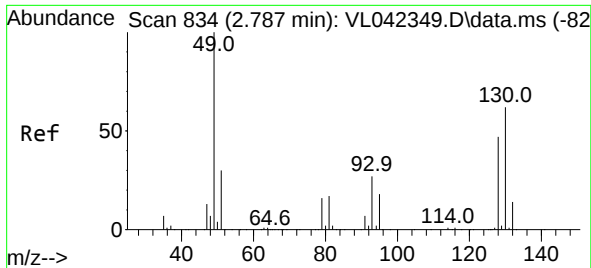
Styrene, T

1-Bromo-4-Fluorobenzene, S

1,2,4-Trimethylbenzene, T

p-Isopropyltoluene

Naphthalene, T



#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.780 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

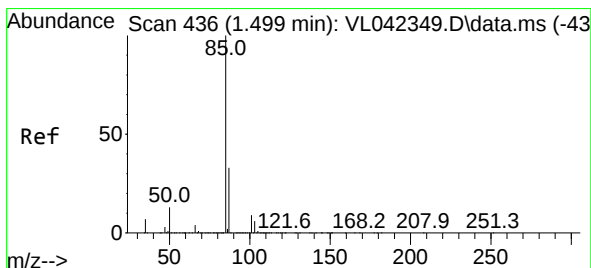
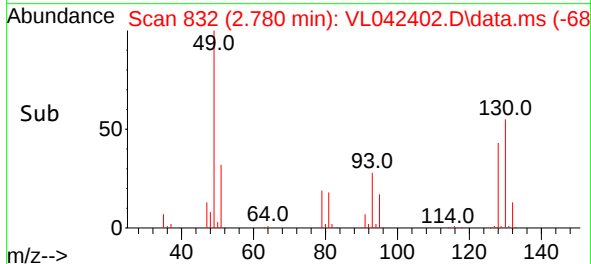
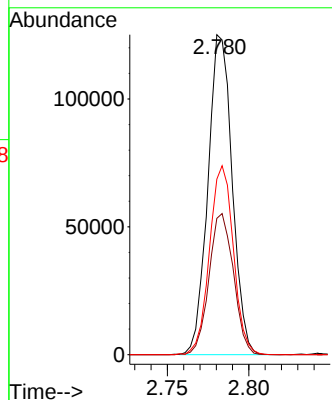
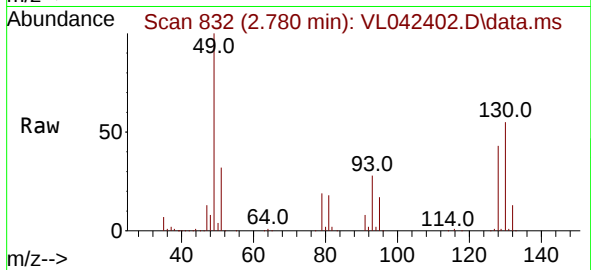
Tgt Ion: 49 Resp: 129429  
Ion Ratio Lower Upper  
49 100  
128 44.5 22.8 68.4  
130 58.2 29.3 88.0

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

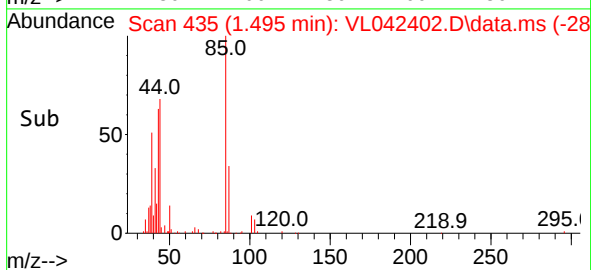
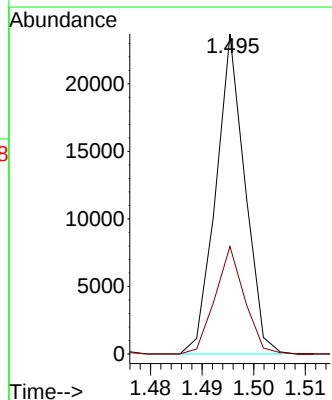
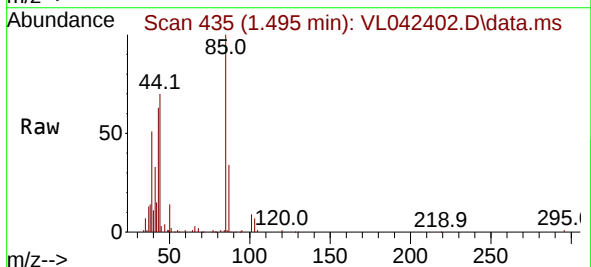
04/22/2025  
Supervised By :Mahesh  
Dadoda

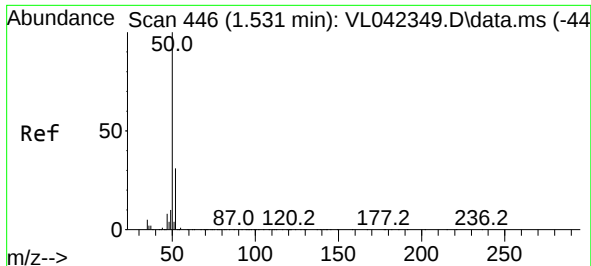
04/22/2025



#2  
Dichlorodifluoromethane  
Concen: 0.406 ppbv  
RT: 1.495 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

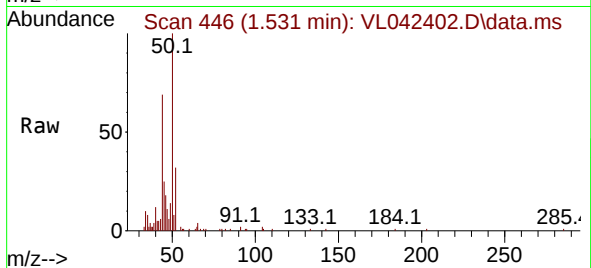
Tgt Ion: 85 Resp: 9277  
Ion Ratio Lower Upper  
85 100  
87 33.6 26.6 39.8





#4  
Chloromethane  
Concen: 0.497 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



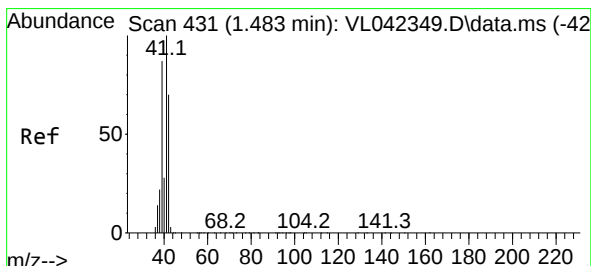
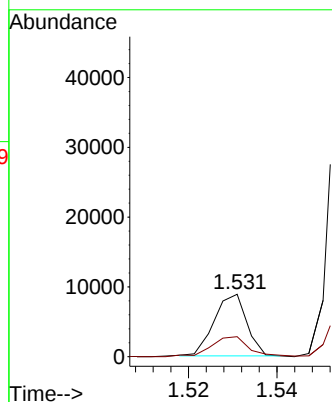
Tgt Ion: 50 Resp: 4494  
Ion Ratio Lower Upper  
50 100  
52 30.1 24.7 37.1

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Reviewed By :Semsettin  
Yesilyurt

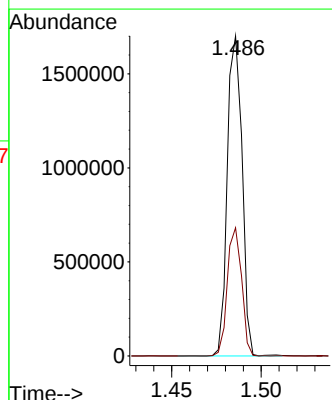
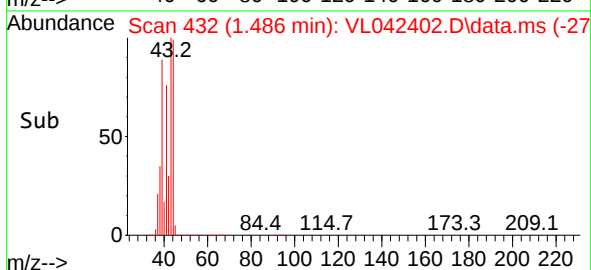
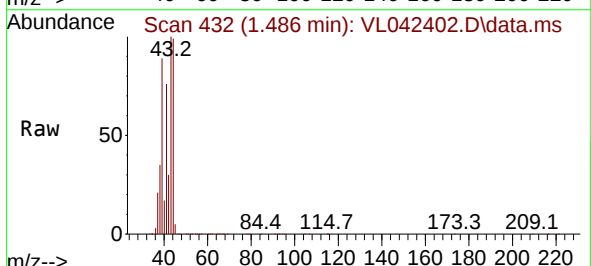
04/22/2025  
Supervised By :Mahesh  
Dadoda

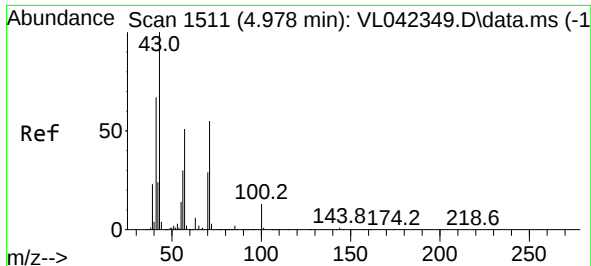
04/22/2025



#9  
Propene  
Concen: 98.117 ppbv m  
RT: 1.486 min Scan# 432  
Delta R.T. 0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

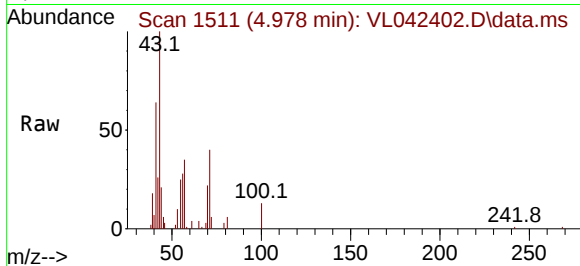
Tgt Ion: 41 Resp: 973005  
Ion Ratio Lower Upper  
41 100  
42 86.1 56.2 84.4#





#10  
Heptane  
Concen: 0.346 ppbv m  
RT: 4.978 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



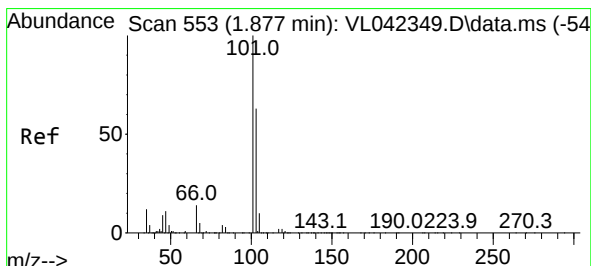
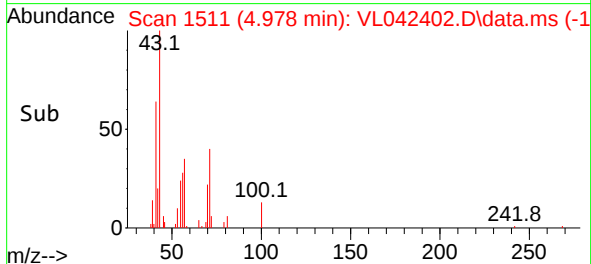
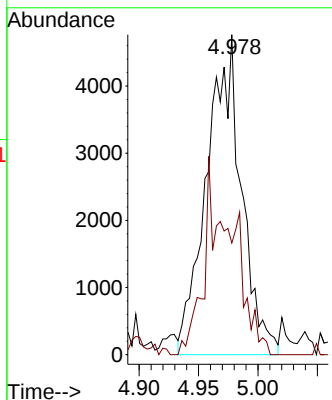
Tgt Ion: 43 Resp: 964  
Ion Ratio Lower Upper  
43 100  
57 50.0 39.9 59.9

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Reviewed By :Semsettin  
Yesilyurt

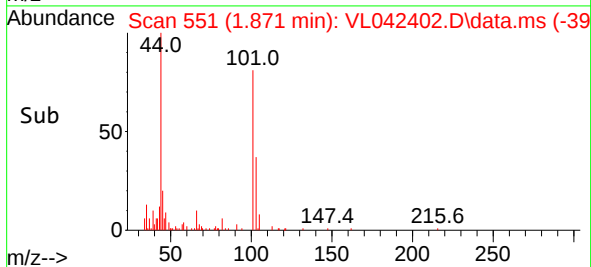
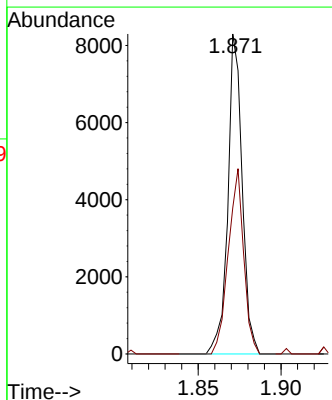
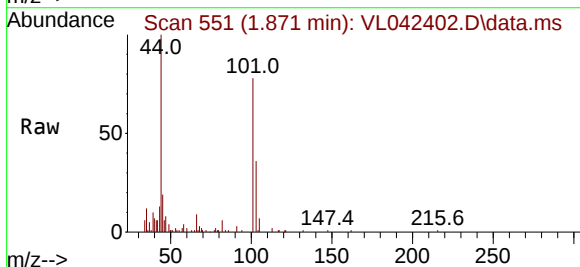
04/22/2025  
Supervised By :Mahesh  
Dadoda

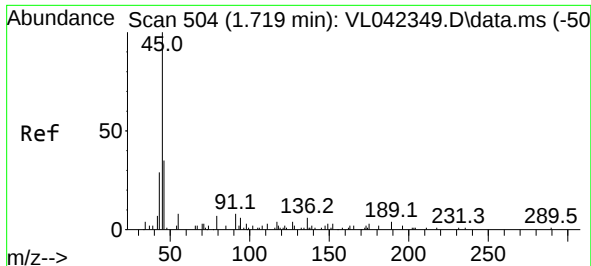
04/22/2025



#11  
Trichlorofluoromethane  
Concen: 0.229 ppbv m  
RT: 1.871 min Scan# 551  
Delta R.T. -0.007 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

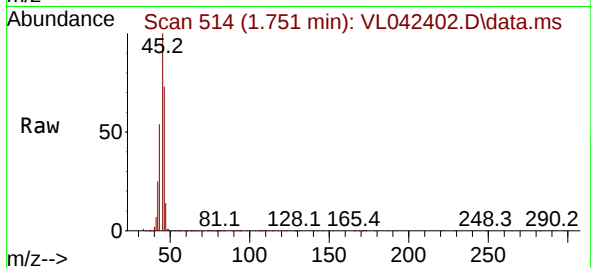
Tgt Ion:101 Resp: 4989  
Ion Ratio Lower Upper  
101 100  
103 45.7 50.1 75.1#





#13  
Ethanol  
Concen: 4256.821 ppbv  
RT: 1.751 min Scan# 514  
Delta R.T. 0.032 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



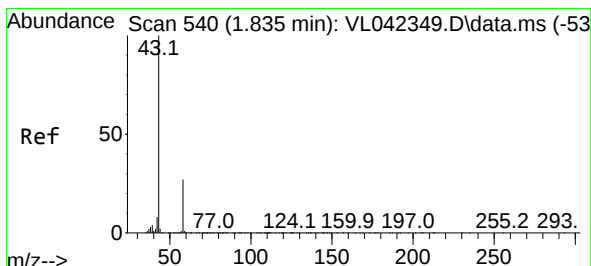
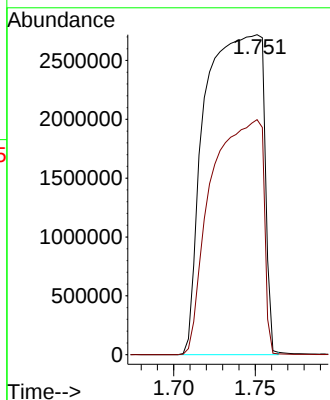
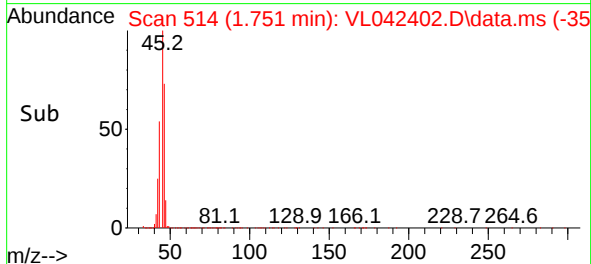
Tgt Ion: 45 Resp: 670964  
Ion Ratio Lower Upper  
45 100  
46 65.6 21.9 87.7

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

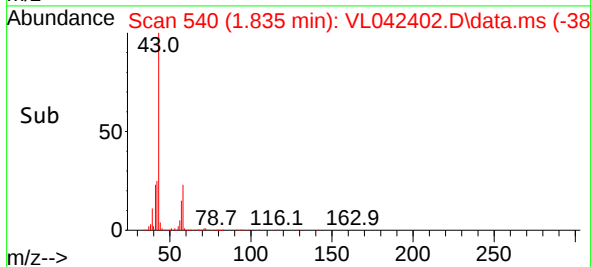
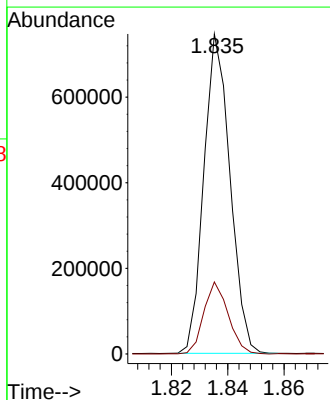
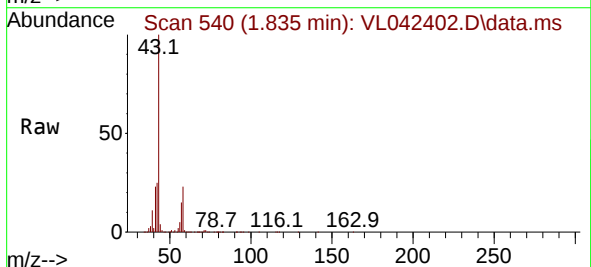
04/22/2025  
Supervised By :Mahesh  
Dadoda

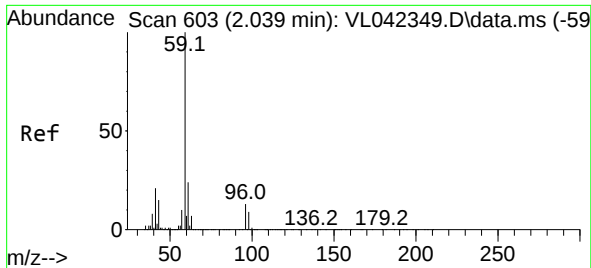
04/22/2025



#15  
Acetone  
Concen: 22.688 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. -0.000 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

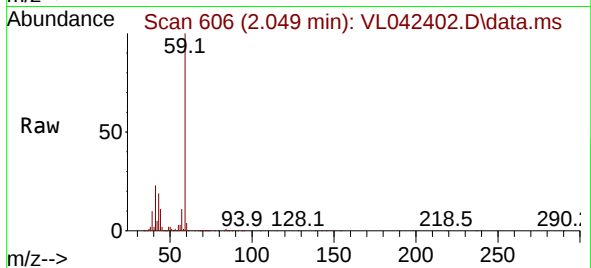
Tgt Ion: 43 Resp: 480705  
Ion Ratio Lower Upper  
43 100  
58 21.3 22.4 33.6#





#17  
tert-Butyl alcohol  
Concen: 5.104 ppbv  
RT: 2.049 min Scan# 603  
Delta R.T. 0.010 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



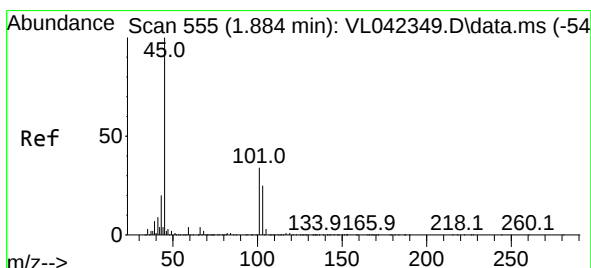
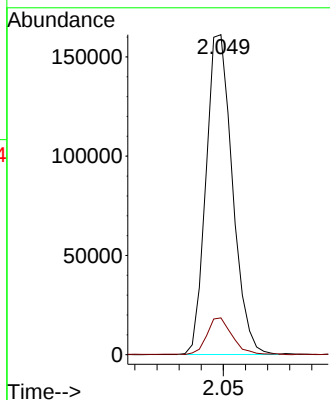
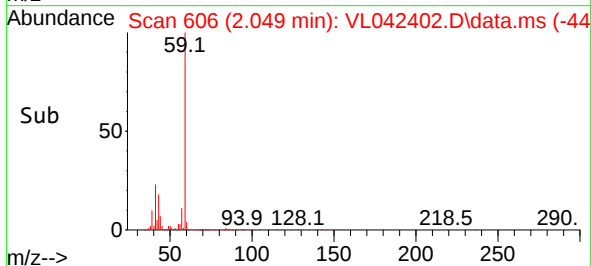
Tgt Ion: 59 Resp: 13401  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.7 13.1

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

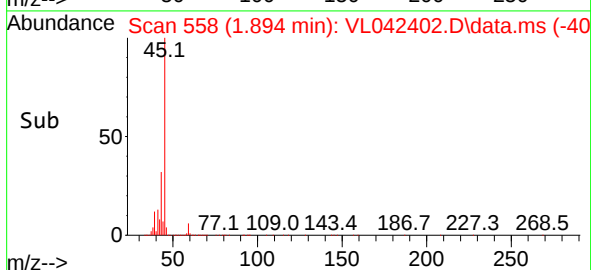
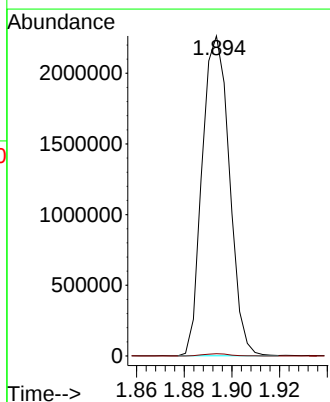
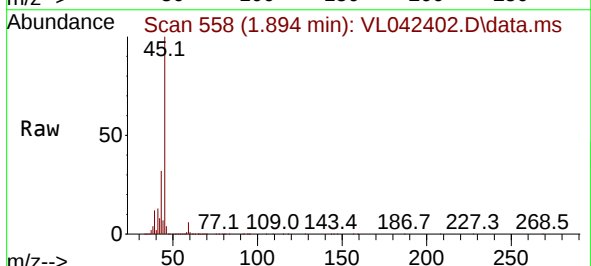
04/22/2025  
Supervised By :Mahesh  
Dadoda

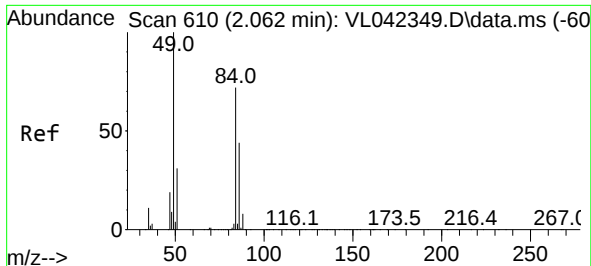
04/22/2025



#19  
Isopropyl Alcohol  
Concen: 152.706 ppbv  
RT: 1.894 min Scan# 558  
Delta R.T. 0.010 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

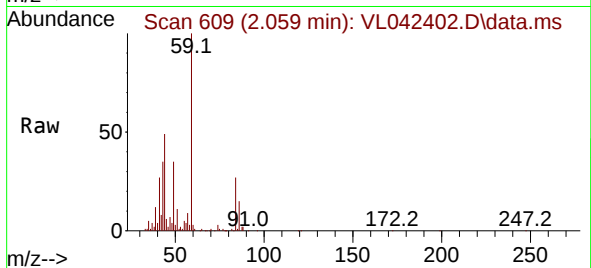
Tgt Ion: 45 Resp: 1797369  
Ion Ratio Lower Upper  
45 100  
58 5.7 34.5 51.7#





#20  
Methylene Chloride  
Concen: 0.598 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



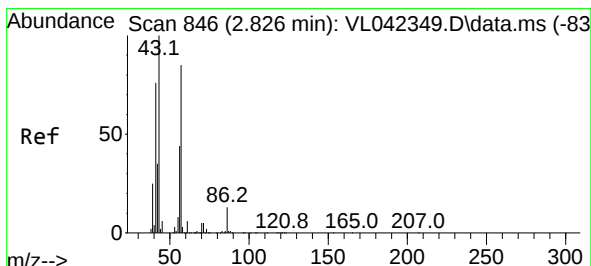
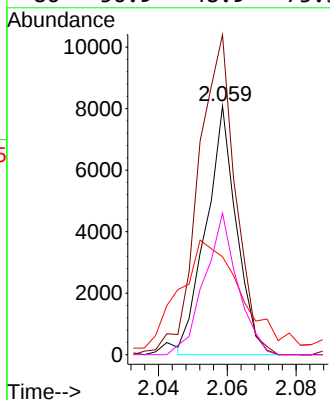
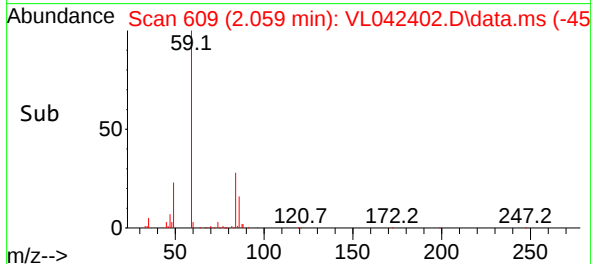
Tgt Ion: 84 Resp: 4958  
Ion Ratio Lower Upper  
84 100  
49 128.6 111.6 167.4  
51 33.7 35.1 52.7  
86 56.9 48.9 73.3

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

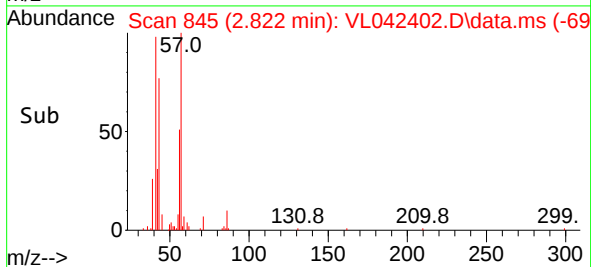
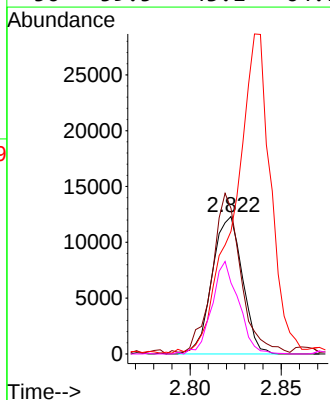
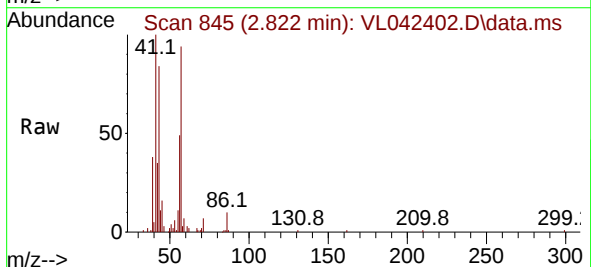
04/22/2025  
Supervised By :Mahesh  
Dadoda

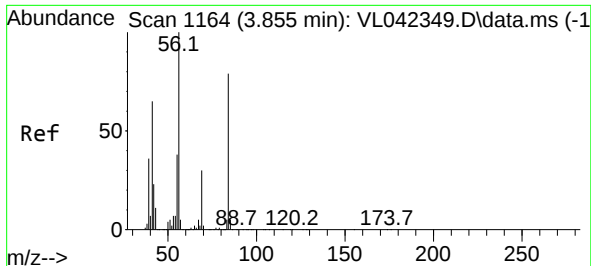
04/22/2025



#26  
Hexane  
Concen: 0.673 ppbv  
RT: 2.822 min Scan# 845  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

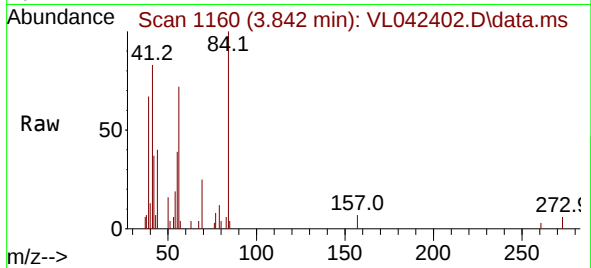
Tgt Ion: 57 Resp: 14222  
Ion Ratio Lower Upper  
57 100  
41 112.1 77.9 116.9  
43 281.7 208.4 312.6  
56 59.5 43.1 64.7





#30  
Cyclohexane  
Concen: 0.189 ppbv m  
RT: 3.842 min Scan# 1160  
Delta R.T. -0.013 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



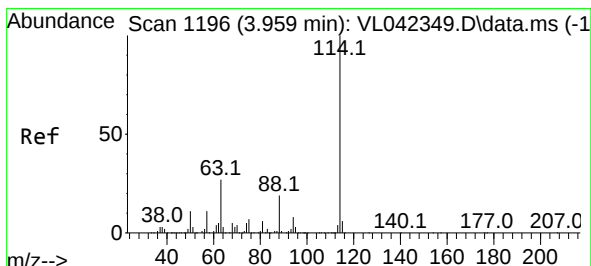
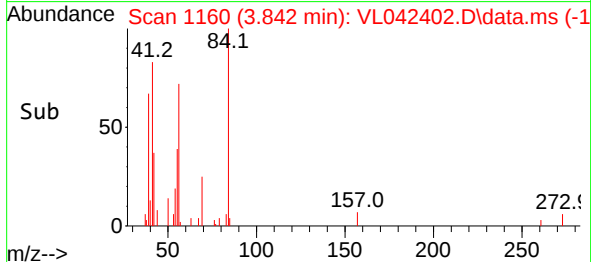
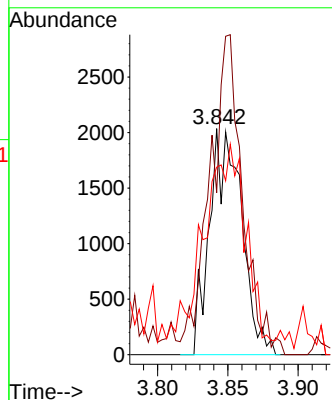
Tgt Ion: 84 Resp: 323  
Ion Ratio Lower Upper  
84 100  
56 0.0 101.0 151.4  
41 0.0 67.4 101.0

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

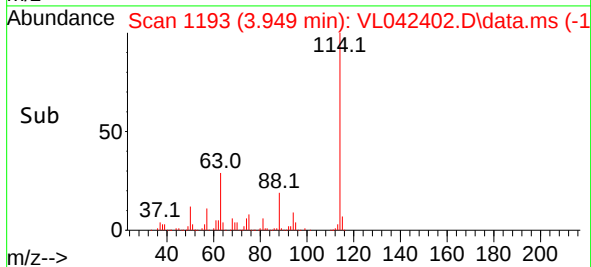
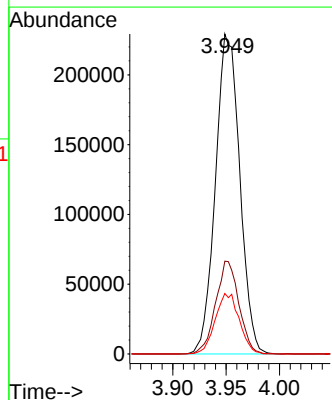
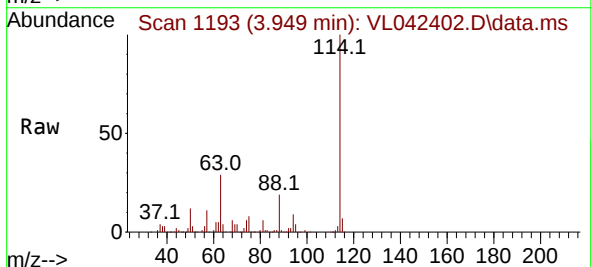
04/22/2025  
Supervised By :Mahesh  
Dadoda

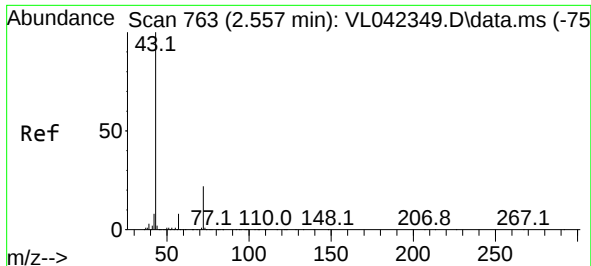
04/22/2025



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.949 min Scan# 1193  
Delta R.T. -0.010 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

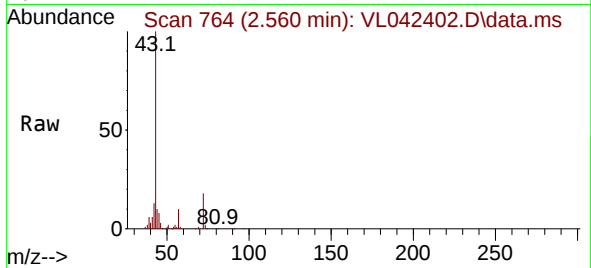
Tgt Ion:114 Resp: 363256  
Ion Ratio Lower Upper  
114 100  
63 27.7 21.8 32.6  
88 18.7 15.5 23.3





#34  
2-Butanone  
Concen: 0.681 ppbv  
RT: 2.560 min Scan# 764  
Delta R.T. 0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



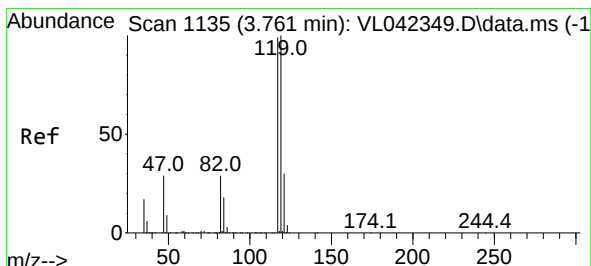
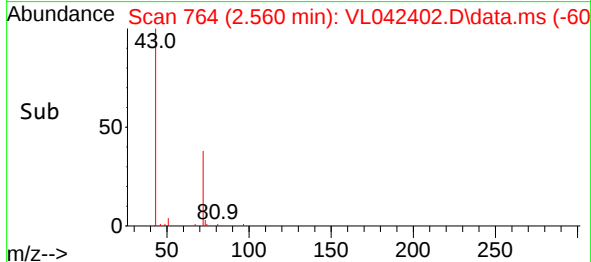
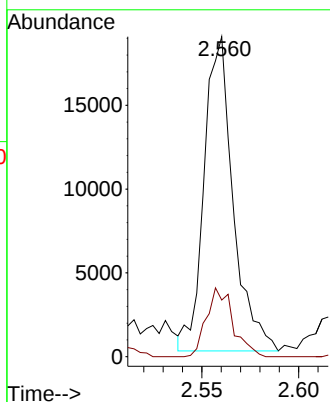
Tgt Ion: 43 Resp: 19570  
Ion Ratio Lower Upper  
43 100  
72 20.0 18.2 27.2

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

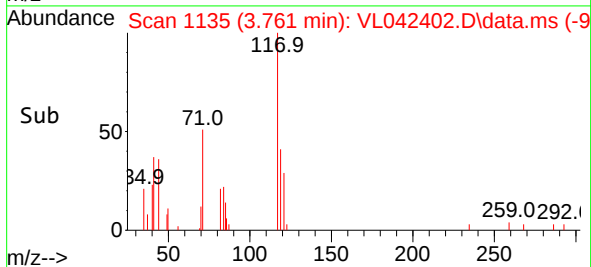
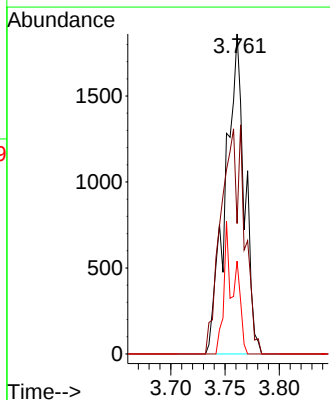
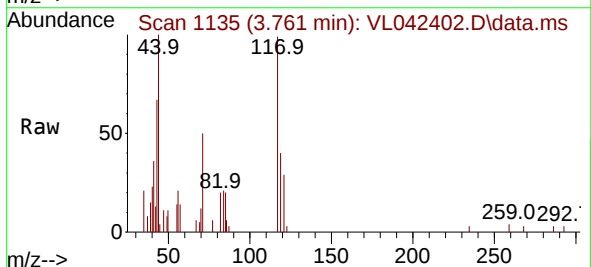
04/22/2025  
Supervised By :Mahesh  
Dadoda

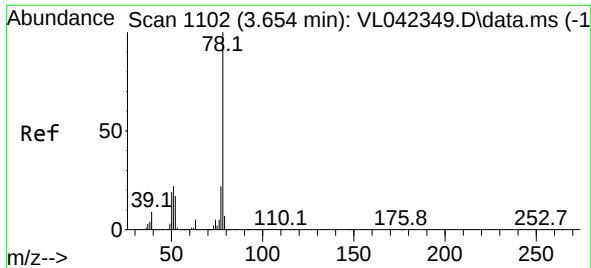
04/22/2025



#35  
Carbon Tetrachloride  
Concen: 0.069 ppbv m  
RT: 3.761 min Scan# 1135  
Delta R.T. -0.000 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

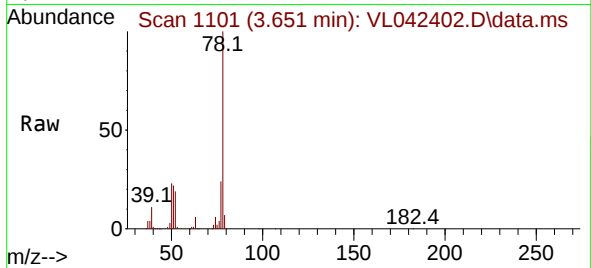
Tgt Ion:117 Resp: 2281  
Ion Ratio Lower Upper  
117 100  
119 40.7 80.5 120.7#  
121 29.0 24.2 36.2





#36  
Benzene  
Concen: 12.484 ppbv  
RT: 3.651 min Scan# 1101  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



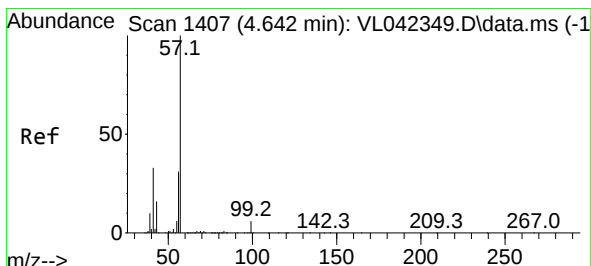
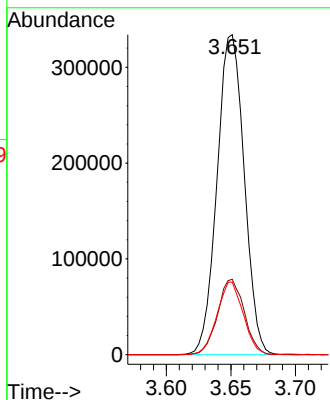
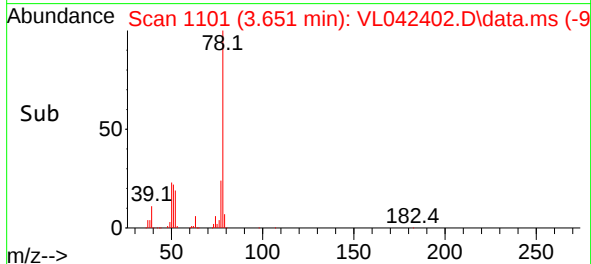
Tgt Ion: 78 Resp: 489138  
Ion Ratio Lower Upper  
78 100  
77 23.5 17.4 26.0  
50 22.6 15.5 23.3

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

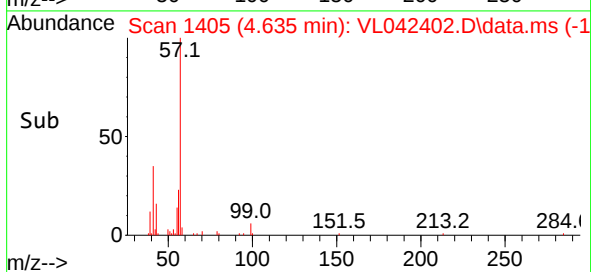
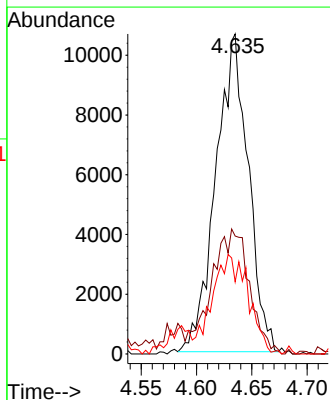
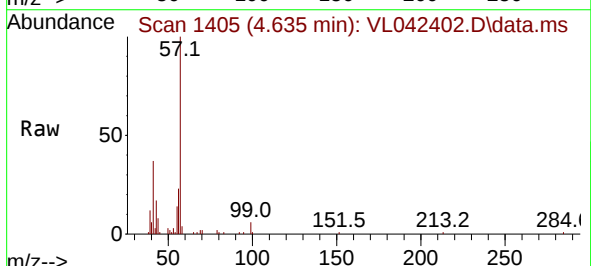
04/22/2025  
Supervised By :Mahesh  
Dadoda

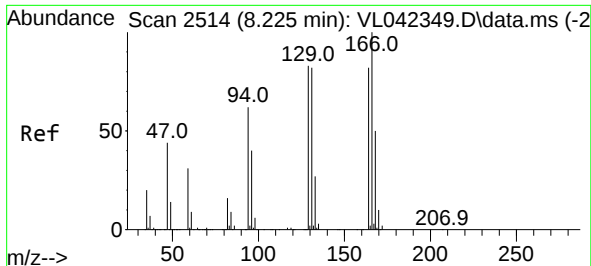
04/22/2025



#44  
2,2,4-Trimethylpentane  
Concen: 0.320 ppbv  
RT: 4.635 min Scan# 1405  
Delta R.T. -0.007 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

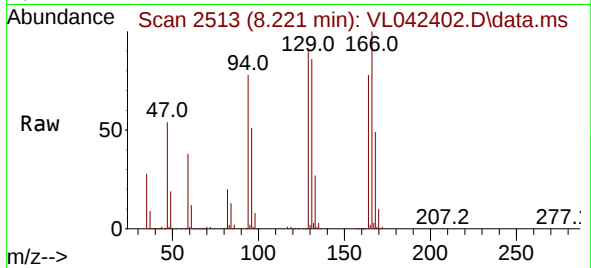
Tgt Ion: 57 Resp: 21675  
Ion Ratio Lower Upper  
57 100  
41 53.1 27.2 40.8#  
56 41.0 25.7 38.5#





#52  
Tetrachloroethene  
Concen: 19.319 ppbv  
RT: 8.221 min Scan# 2112  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



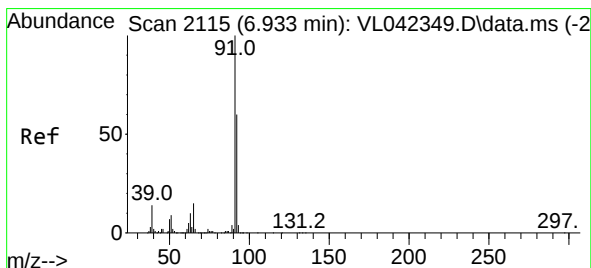
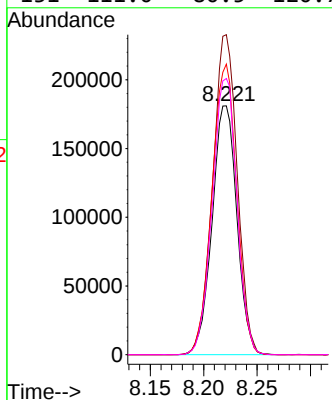
Tgt Ion:164 Resp: 29257  
Ion Ratio Lower Upper  
164 100  
166 128.6 98.2 147.2  
129 116.8 81.8 122.8  
131 111.0 80.5 120.7

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

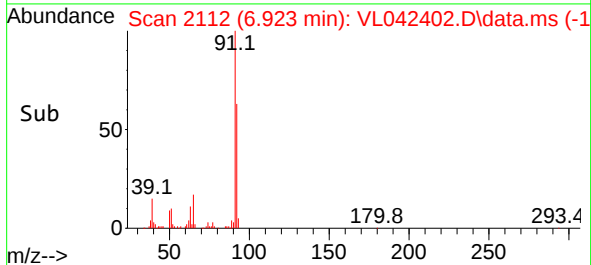
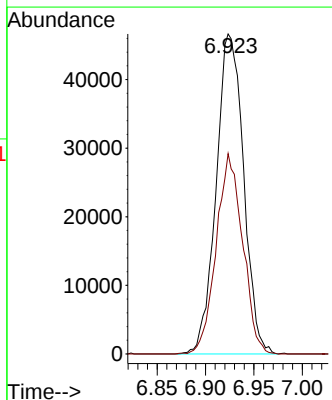
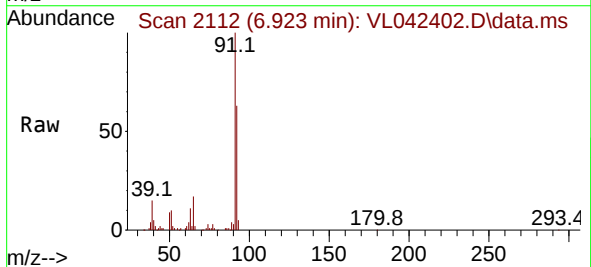
04/22/2025  
Supervised By :Mahesh  
Dadoda

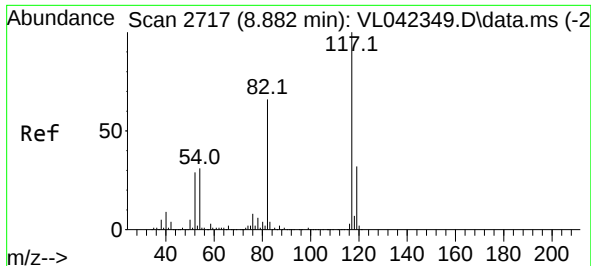
04/22/2025



#53  
Toluene  
Concen: 1.954 ppbv  
RT: 6.923 min Scan# 2112  
Delta R.T. -0.010 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

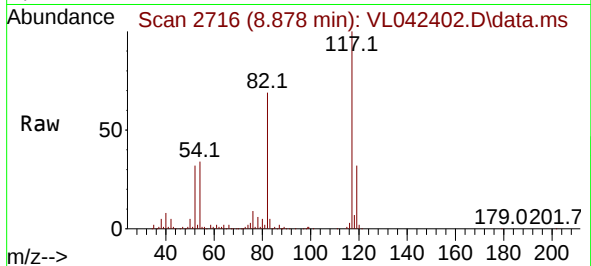
Tgt Ion: 91 Resp: 91866  
Ion Ratio Lower Upper  
91 100  
92 60.3 48.2 72.4





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.878 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



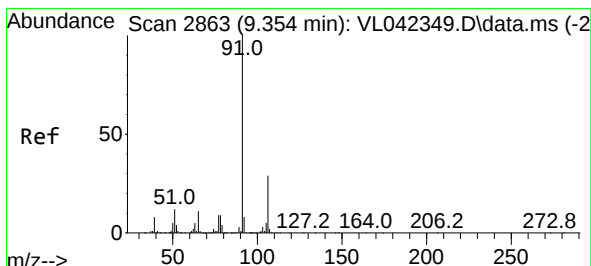
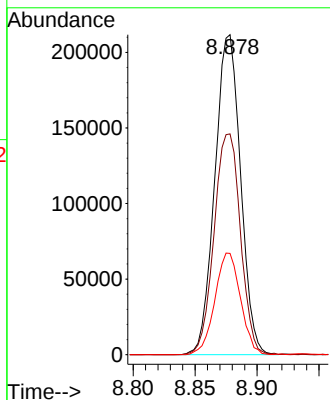
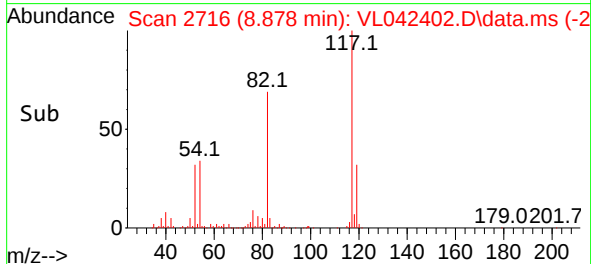
Tgt Ion: 117 Resp: 306838  
Ion Ratio Lower Upper  
117 100  
82 70.7 57.8 86.6  
119 31.6 25.2 37.8

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

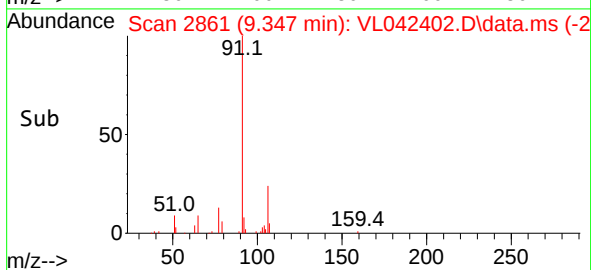
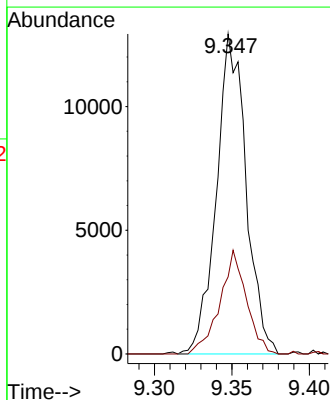
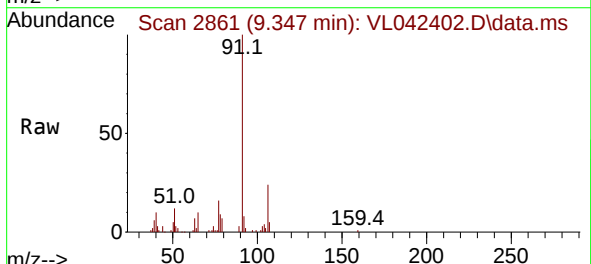
04/22/2025  
Supervised By :Mahesh  
Dadoda

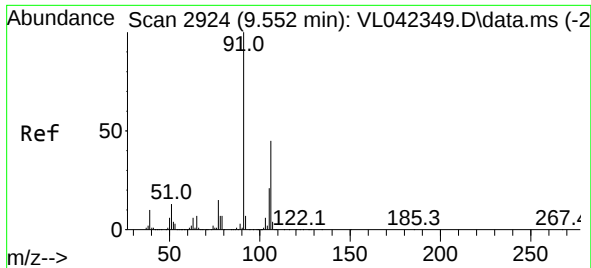
04/22/2025



#58  
Ethyl Benzene  
Concen: 0.283 ppbv  
RT: 9.347 min Scan# 2861  
Delta R.T. -0.007 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Tgt Ion: 91 Resp: 17207  
Ion Ratio Lower Upper  
91 100  
106 24.1 23.0 34.4





#59  
m/p-Xylene  
Concen: 0.788 ppbv m  
RT: 9.529 min Scan# 2917  
Delta R.T. -0.023 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

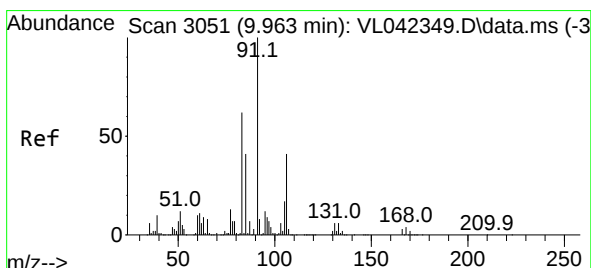
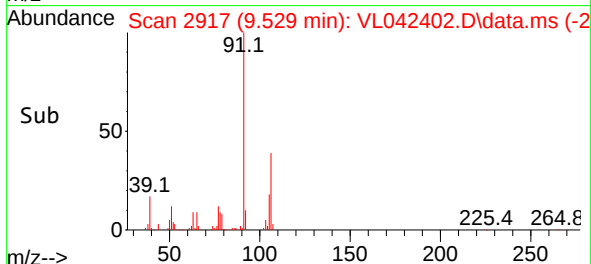
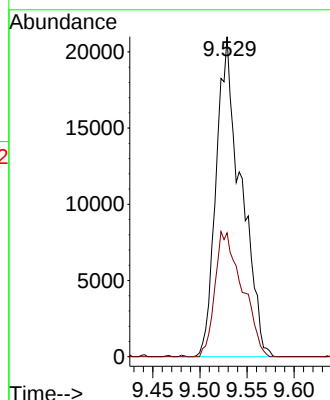
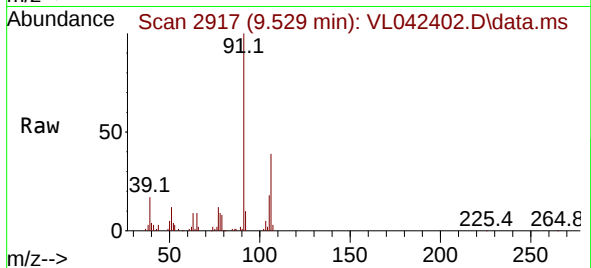
Tgt Ion: 91 Resp: 3857  
Ion Ratio Lower Upper  
91 100  
106 0.0 35.4 53.2

Manual Integrations  
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Reviewed By :Semsettin  
Yesilyurt

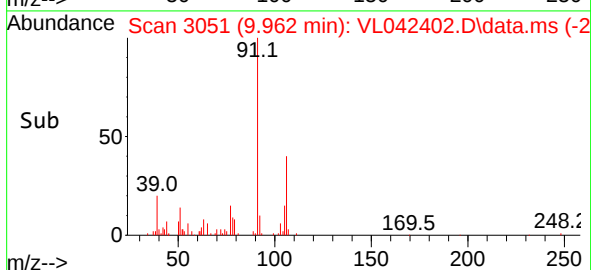
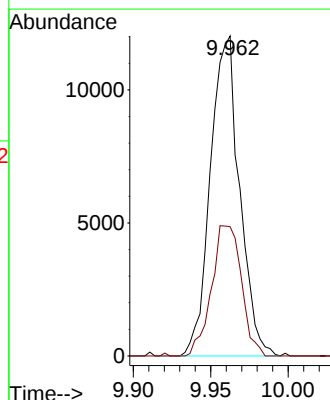
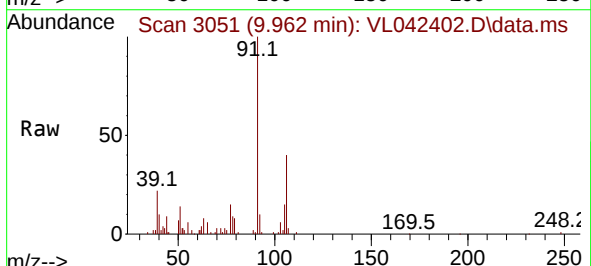
04/22/2025  
Supervised By :Mahesh  
Dadoda

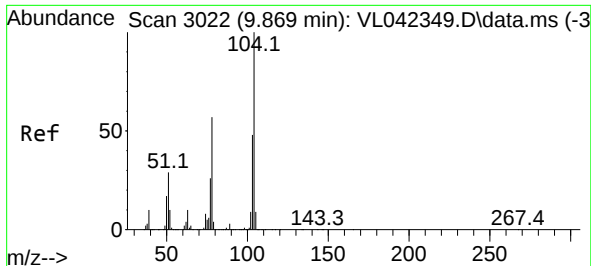
04/22/2025



#60  
o-Xylene  
Concen: 0.320 ppbv  
RT: 9.962 min Scan# 3051  
Delta R.T. -0.000 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Tgt Ion: 91 Resp: 15784  
Ion Ratio Lower Upper  
91 100  
106 41.6 21.1 63.4





#61  
Styrene  
Concen: 0.355 ppbv  
RT: 9.869 min Scan# 3022  
Delta R.T. -0.000 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

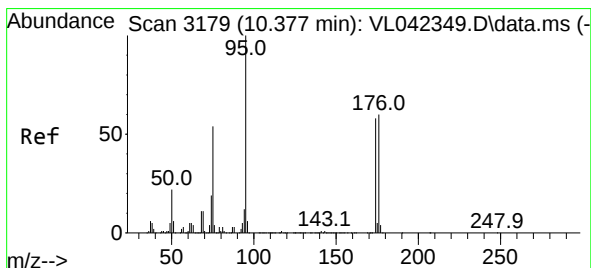
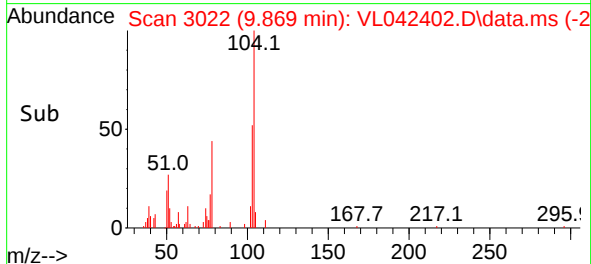
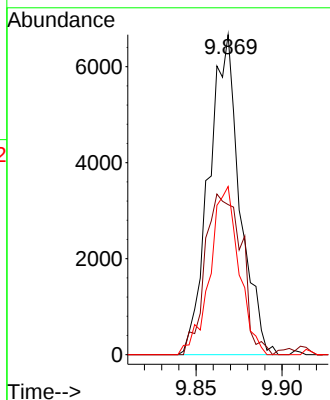
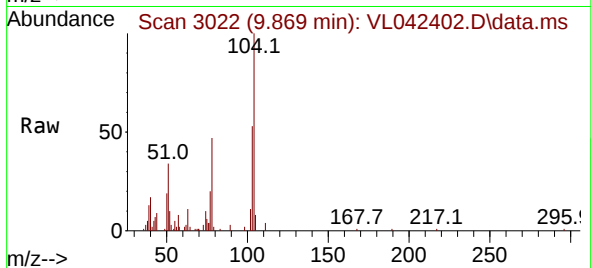
Tgt Ion:104 Resp: 836  
Ion Ratio Lower Upper  
104 100  
78 61.2 44.6 66.8  
103 49.2 37.4 56.0

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

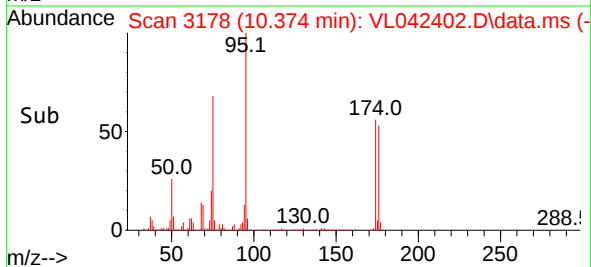
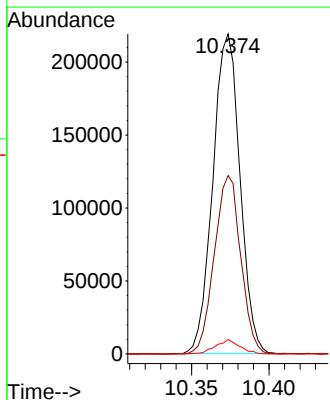
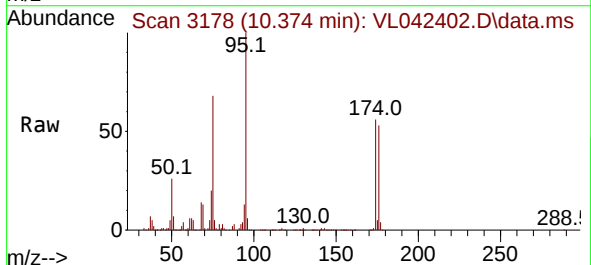
04/22/2025  
Supervised By :Mahesh  
Dadoda

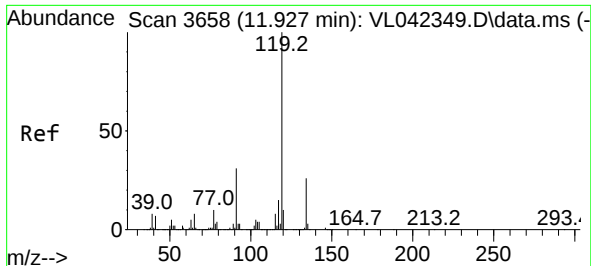
04/22/2025



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.575 ppbv  
RT: 10.374 min Scan# 3178  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

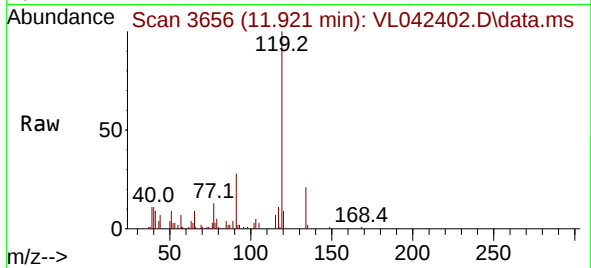
Tgt Ion: 95 Resp: 266636  
Ion Ratio Lower Upper  
95 100  
174 54.2 48.5 72.7  
175 4.0 3.7 5.5





#69  
p-Isopropyltoluene  
Concen: 0.103 ppbv  
RT: 11.921 min Scan# 3656  
Delta R.T. -0.007 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



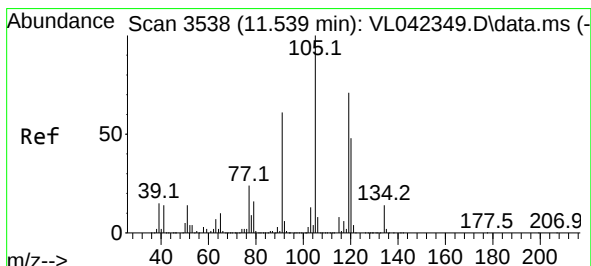
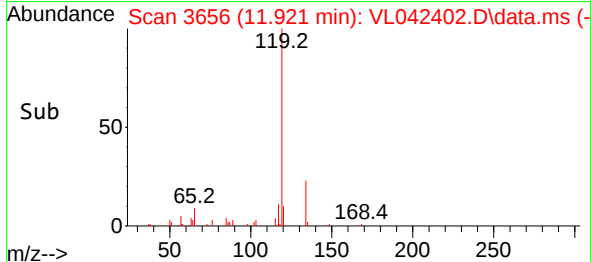
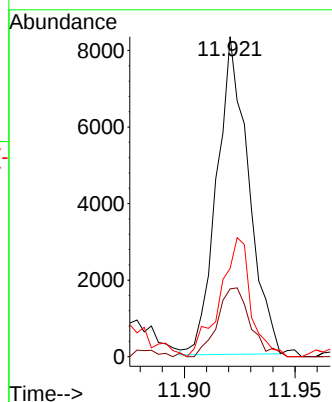
Tgt Ion:119 Resp: 8280  
Ion Ratio Lower Upper  
119 100  
134 24.2 20.0 30.0  
91 33.3 24.4 36.6

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

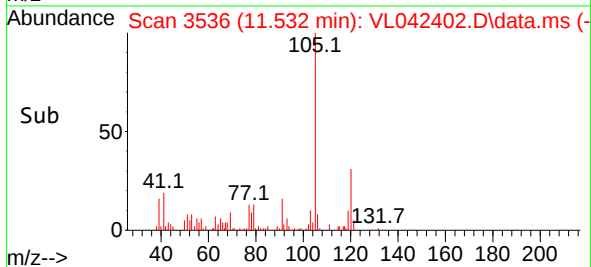
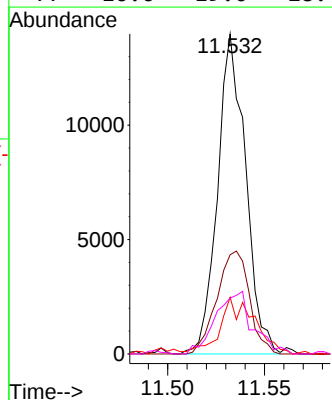
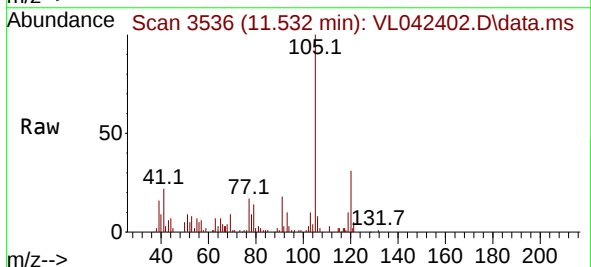
04/22/2025  
Supervised By :Mahesh  
Dadoda

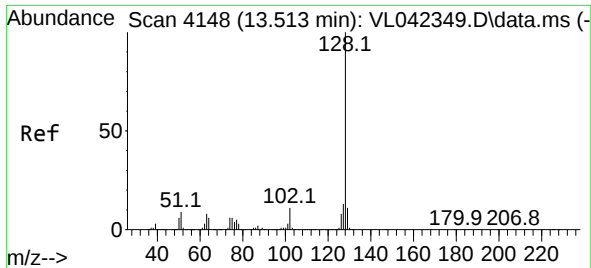
04/22/2025



#74  
1,2,4-Trimethylbenzene  
Concen: 0.227 ppbv  
RT: 11.532 min Scan# 3536  
Delta R.T. -0.007 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Tgt Ion:105 Resp: 14087  
Ion Ratio Lower Upper  
105 100  
120 33.1 38.1 57.1#  
91 20.1 48.8 73.2#  
77 16.6 19.0 28.4#





#79  
Naphthalene  
Concen: 0.515 ppbv  
RT: 13.510 min Scan# 4147  
Delta R.T. -0.003 min  
Lab File: VL042402.D  
Acq: 21 Apr 2025 13:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

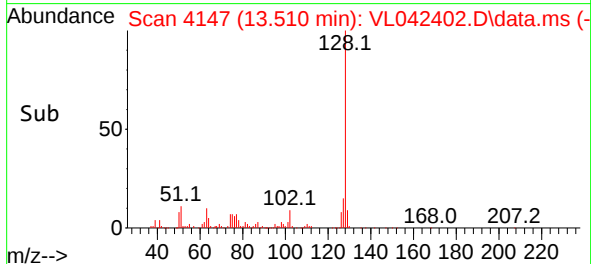
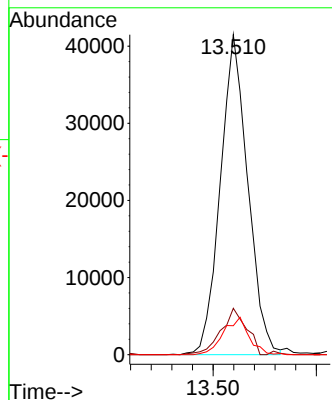
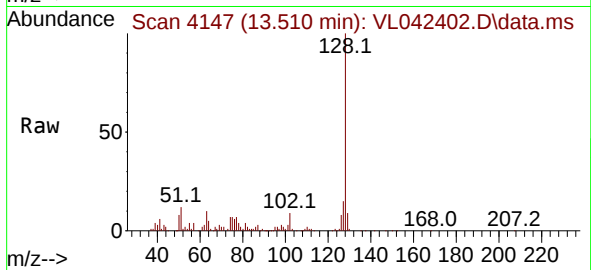
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.5  | 10.6  | 15.8  |
| 129     | 9.1   | 8.6   | 12.8  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

04/22/2025  
Supervised By :Mahesh  
Dadoda

04/22/2025



## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: | 04/17/25     |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  | 04/18/25     |
| Client Sample ID:  | IA1DL                        | SDG No.:        | Q1844        |
| Lab Sample ID:     | Q1844-02DL                   | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400      Units:    mL        |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042404.D        | 5         |           | 04/21/25 14:44 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 0.070         | 0.18           | UD        | 0.18     | 0.38       | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 0.65          | 2.63           | UD        | 2.63     | 10.1       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 0.45          | 1.78           | UD        | 1.78     | 9.91       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 0.050         | 0.27           | UD        | 0.27     | 0.82       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 0.090         | 0.48           | UD        | 0.48     | 0.81       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 19.1          | 130            | D         | 0.54     | 1.02       | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.2          |                |           | 65 - 135 | 102%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 132000        |                | 2.784     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 369000        |                | 3.955     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 315000        |                | 8.878     |          |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042404.D  
 Acq On : 21 Apr 2025 14:44  
 Operator : SY/MD  
 Sample : Q1844-02DL 5X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:54:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 132427   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 368774   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 315151   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 263653 10.181 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

Target Compounds

|                        |       |     |         |          |        | Qvalue |
|------------------------|-------|-----|---------|----------|--------|--------|
| 9) Propene             | 1.486 | 41  | 309408m | 30.494   | ppbv   |        |
| 13) Ethanol            | 1.729 | 45  | 2712814 | 1682.135 | ppbv   | 99     |
| 15) Acetone            | 1.835 | 43  | 98175   | 4.529    | ppbv # | 86     |
| 17) tert-Butyl alcohol | 2.046 | 59  | 28201   | 1.050    | ppbv # | 71     |
| 19) Isopropyl Alcohol  | 1.887 | 45  | 471563  | 39.157   | ppbv # | 39     |
| 20) Methylene Chloride | 2.059 | 84  | 2138    | 0.252    | ppbv # | 93     |
| 26) Hexane             | 2.819 | 57  | 3436    | 0.159    | ppbv   | 93     |
| 34) 2-Butanone         | 2.557 | 43  | 4166    | 0.143    | ppbv   | 99     |
| 36) Benzene            | 3.654 | 78  | 100002  | 2.514    | ppbv # | 92     |
| 52) Tetrachloroethene  | 8.218 | 164 | 58798   | 3.824    | ppbv   | 97     |
| 53) Toluene            | 6.933 | 91  | 17955m  | 0.376    | ppbv   |        |
| 59) m/p-Xylene         | 9.529 | 91  | 7691m   | 0.153    | ppbv   |        |

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

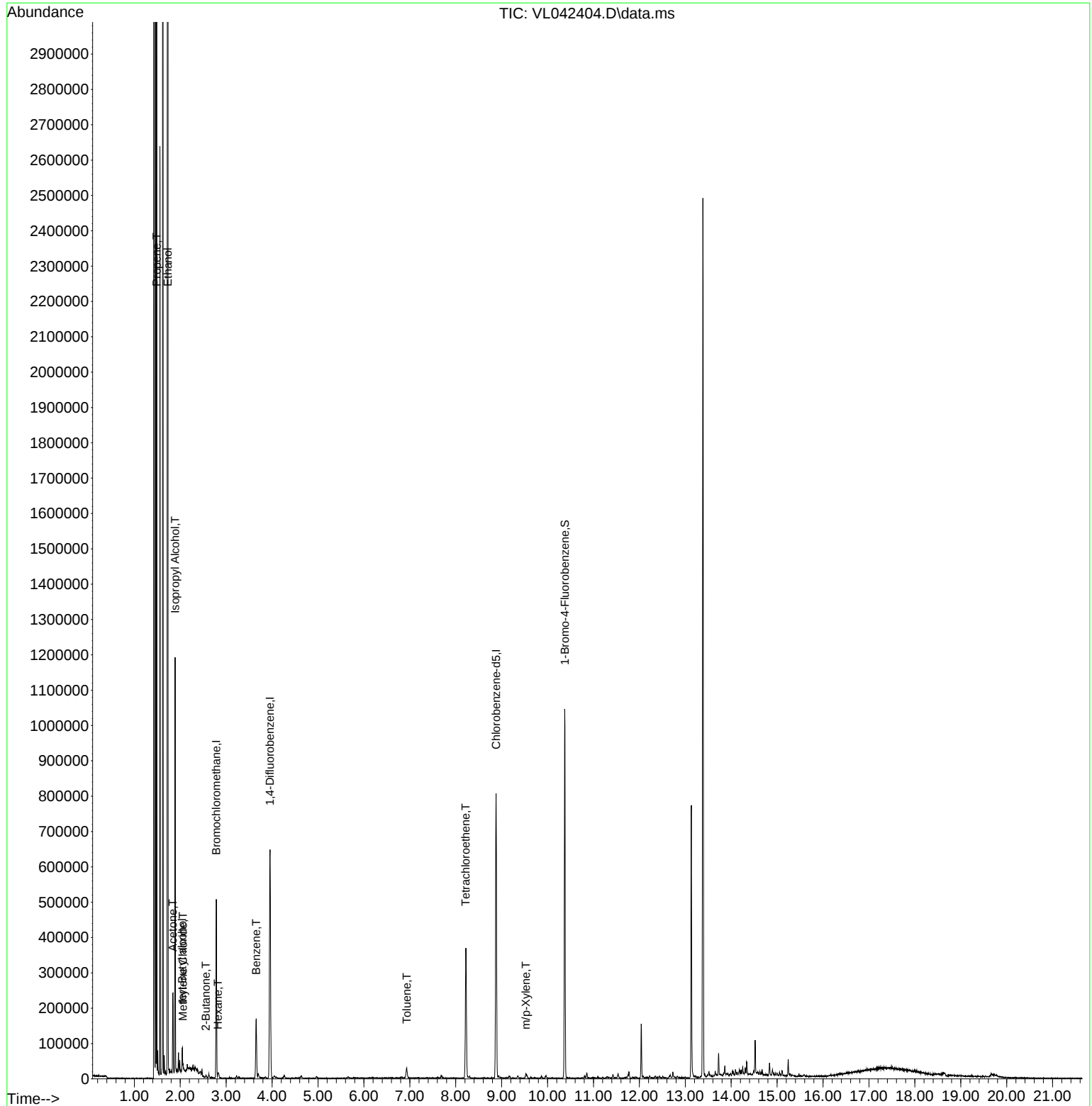
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
Data File : VL042404.D  
Acq On : 21 Apr 2025 14:44  
Operator : SY/MD  
Sample : Q1844-02DL 5X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

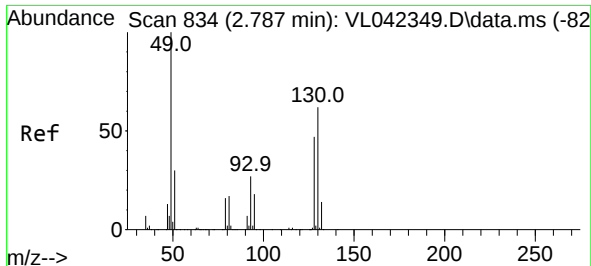
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Quant Time: Apr 22 02:54:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

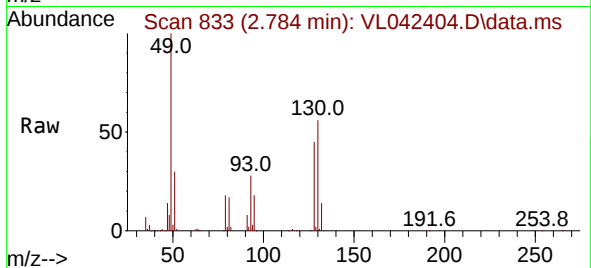
Reviewed By : Semsettin Yesilyurt 04/22/2025  
Supervised By : Mahesh Dadoda 04/22/2025





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44

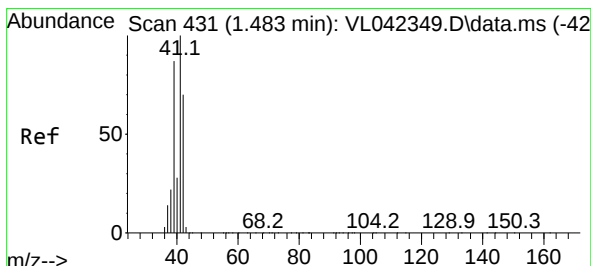
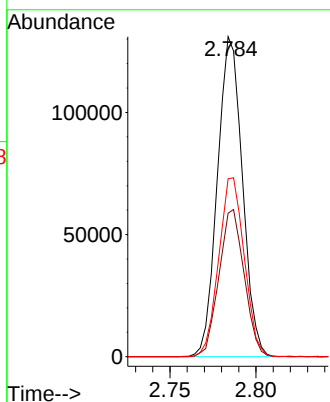
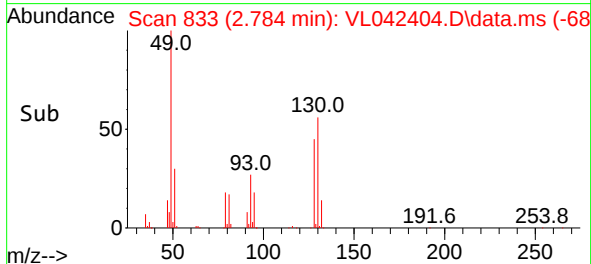
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL



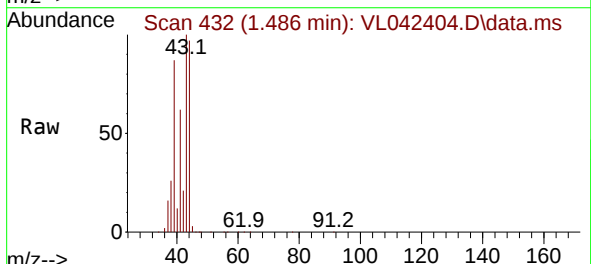
Tgt Ion: 49 Resp: 13242  
Ion Ratio Lower Upper  
49 100  
128 46.4 22.8 68.4  
130 57.2 29.3 88.0

Manual Integrations  
APPROVED

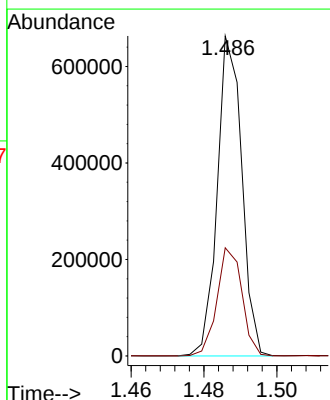
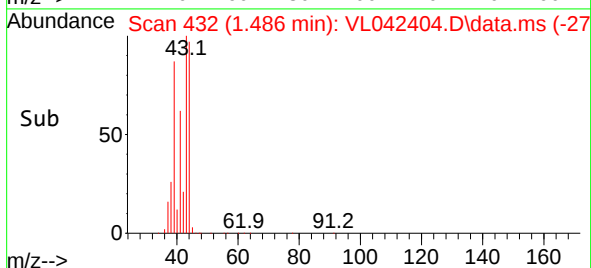
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

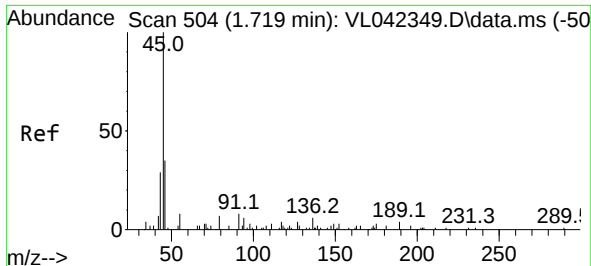


#9  
Propene  
Concen: 30.494 ppbv m  
RT: 1.486 min Scan# 432  
Delta R.T. 0.003 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44



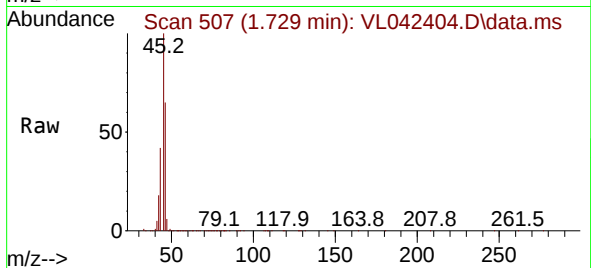
Tgt Ion: 41 Resp: 309408  
Ion Ratio Lower Upper  
41 100  
42 68.5 56.2 84.4





#13  
Ethanol  
Concen: 1682.135 ppbv  
RT: 1.729 min Scan# 50  
Delta R.T. 0.010 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44

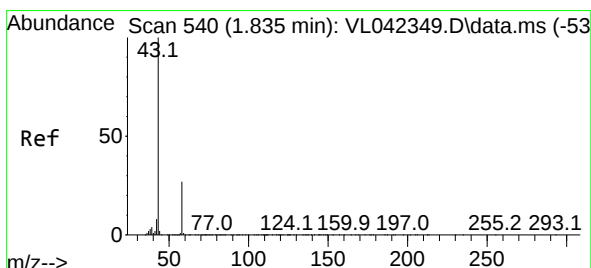
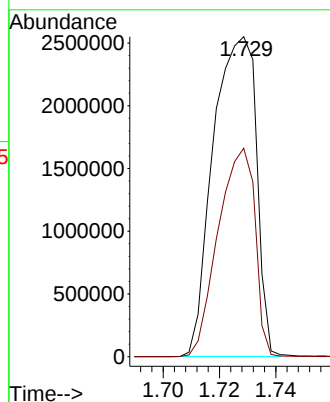
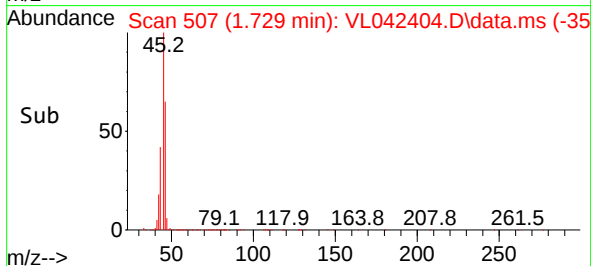
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL



Tgt Ion: 45 Resp: 2712814  
Ion Ratio Lower Upper  
45 100  
46 55.7 21.9 87.7

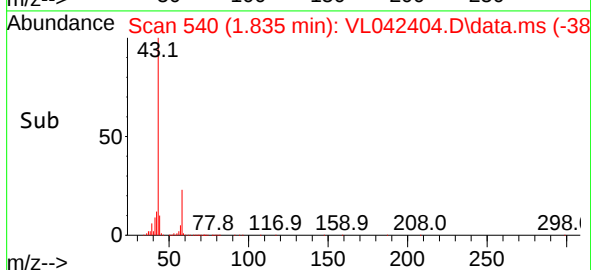
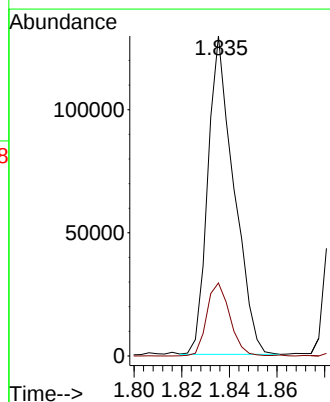
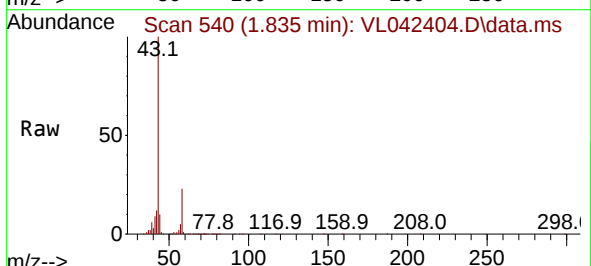
Manual Integrations  
APPROVED

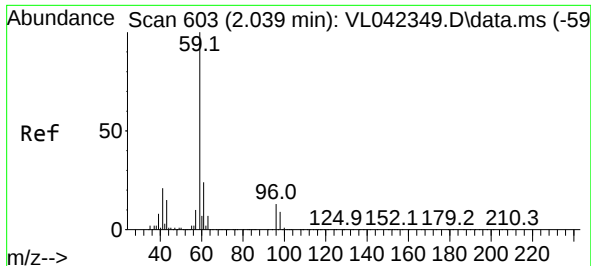
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#15  
Acetone  
Concen: 4.529 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44

Tgt Ion: 43 Resp: 98175  
Ion Ratio Lower Upper  
43 100  
58 20.5 22.4 33.6#





#17

tert-Butyl alcohol

Concen: 1.050 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

Tgt Ion: 59 Resp: 2820

Ion Ratio Lower Upper

59 100

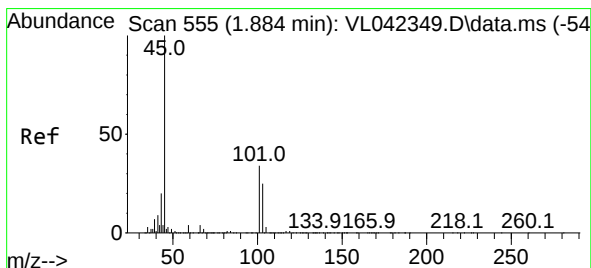
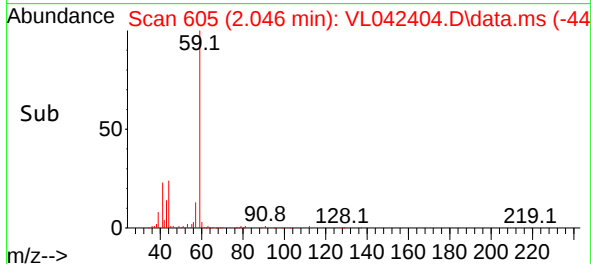
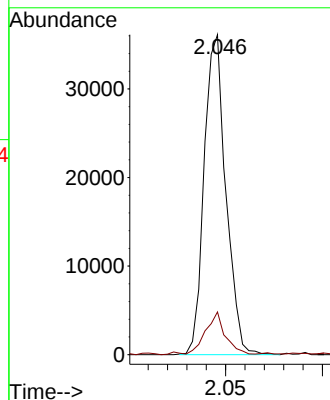
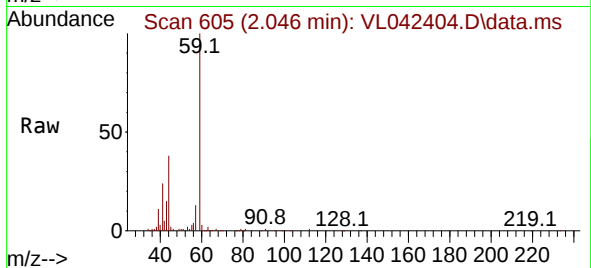
57 0.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#19

Isopropyl Alcohol

Concen: 39.157 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042404.D

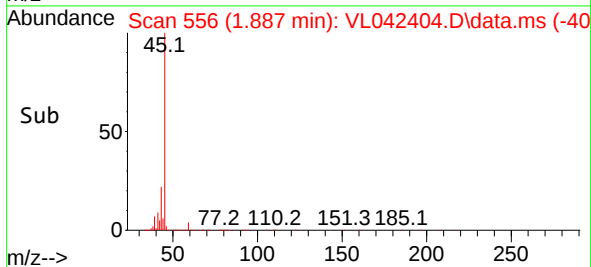
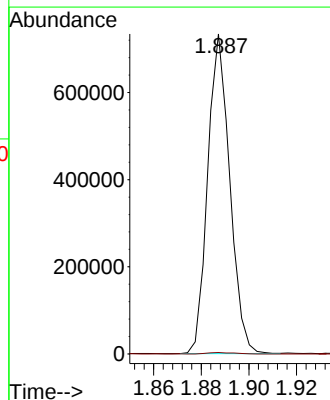
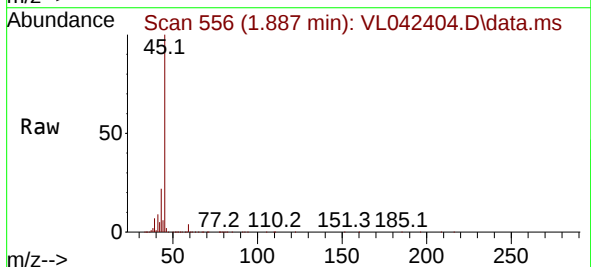
Acq: 21 Apr 2025 14:44

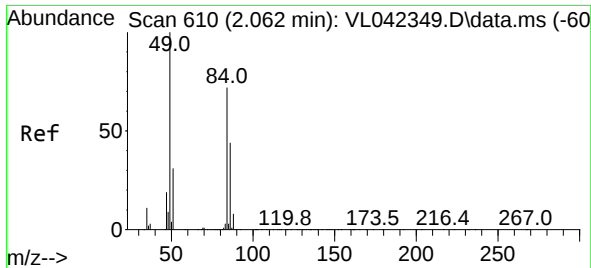
Tgt Ion: 45 Resp: 471563

Ion Ratio Lower Upper

45 100

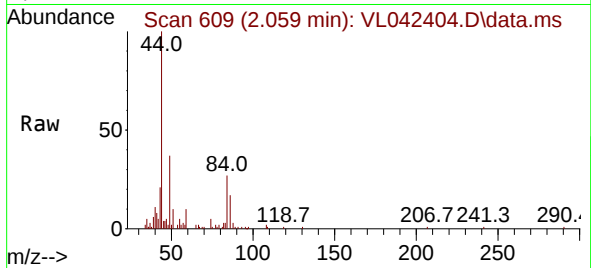
58 4.3 34.5 51.7





#20  
Methylene Chloride  
Concen: 0.252 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.003 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44

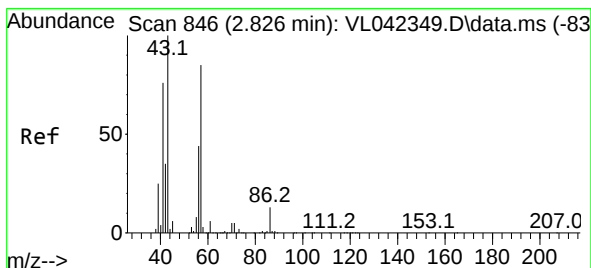
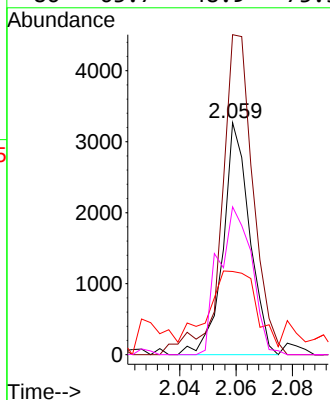
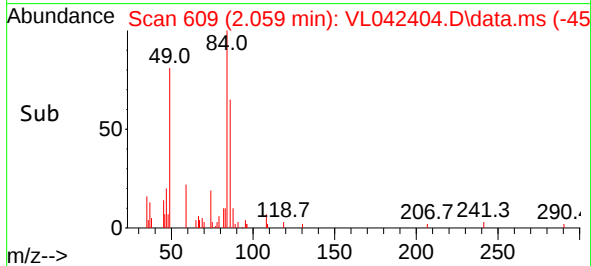
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL



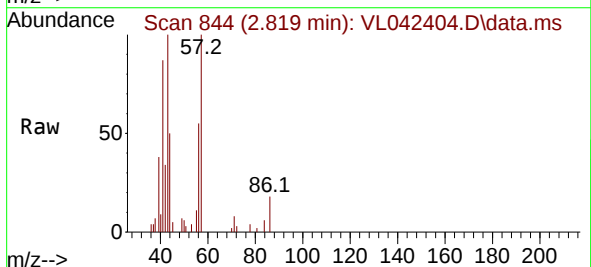
Tgt Ion: 84 Resp: 2138  
Ion Ratio Lower Upper  
84 100  
49 133.3 111.6 167.4  
51 32.4 35.1 52.7  
86 63.7 48.9 73.3

Manual Integrations  
APPROVED

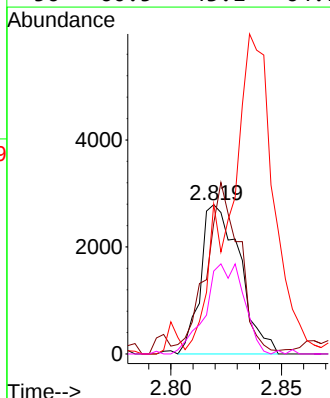
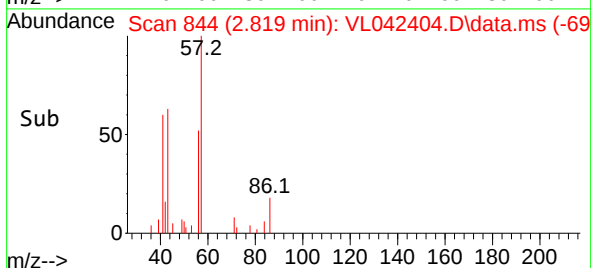
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

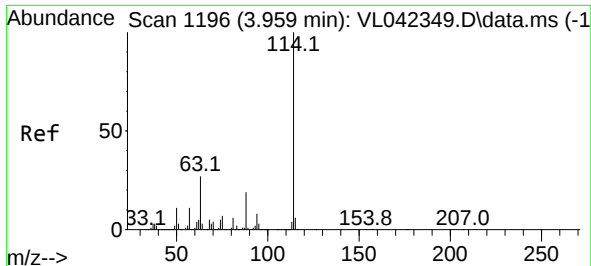


#26  
Hexane  
Concen: 0.159 ppbv  
RT: 2.819 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44



Tgt Ion: 57 Resp: 3436  
Ion Ratio Lower Upper  
57 100  
41 108.4 77.9 116.9  
43 250.6 208.4 312.6  
56 60.5 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA\_L

ClientSampleId :

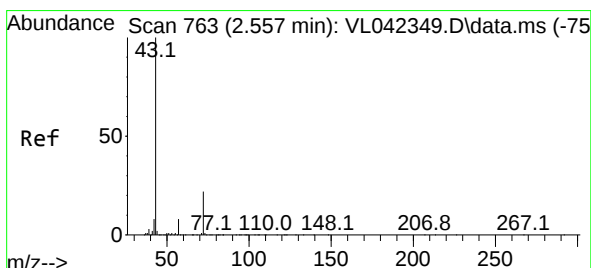
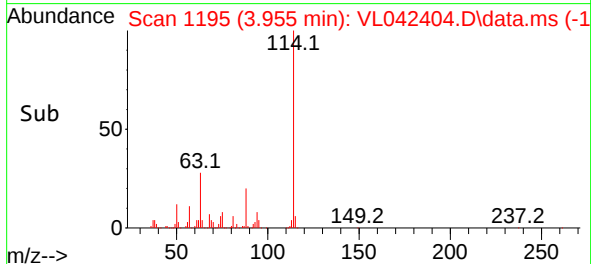
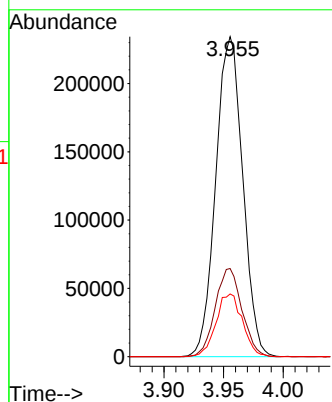
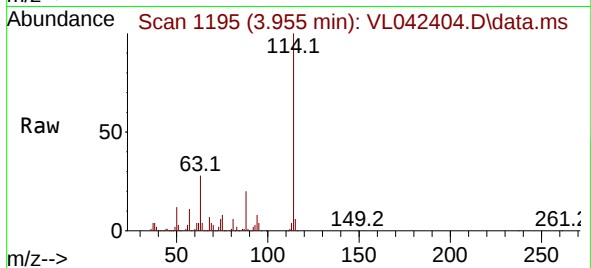
IA1DL

Tgt Ion:114 Resp: 368774  
 Ion Ratio Lower Upper  
 114 100  
 63 27.3 21.8 32.6  
 88 19.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025



#34

2-Butanone

Concen: 0.143 ppbv

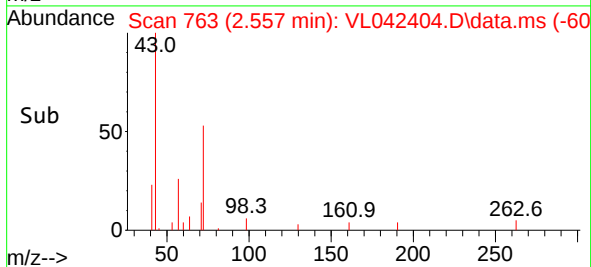
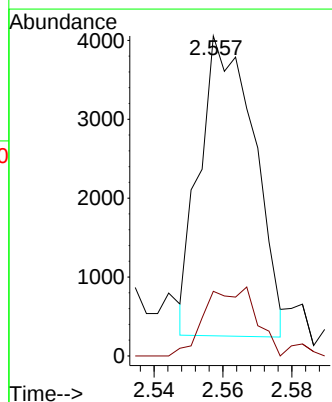
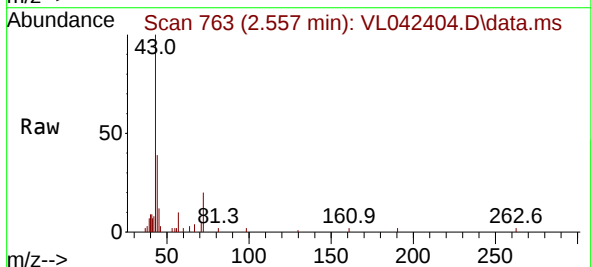
RT: 2.557 min Scan# 763

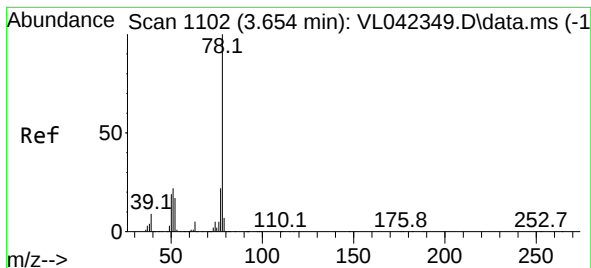
Delta R.T. 0.000 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Tgt Ion: 43 Resp: 4166  
 Ion Ratio Lower Upper  
 43 100  
 72 23.0 18.2 27.2





#36

Benzene

Concen: 2.514 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

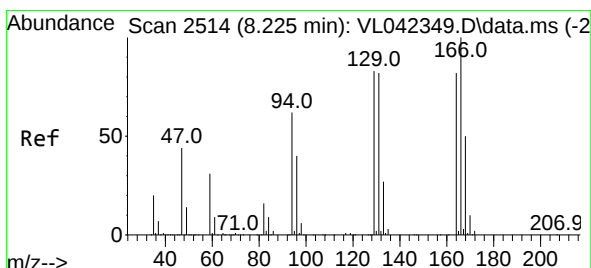
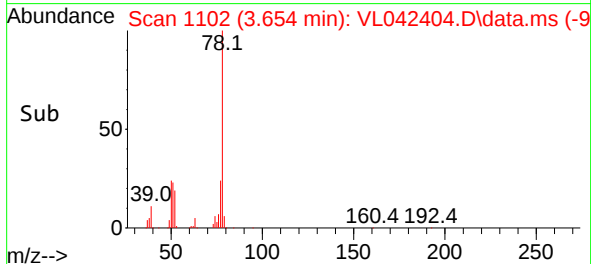
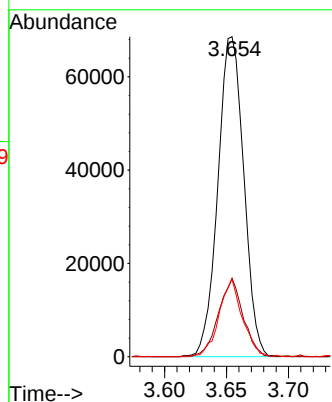
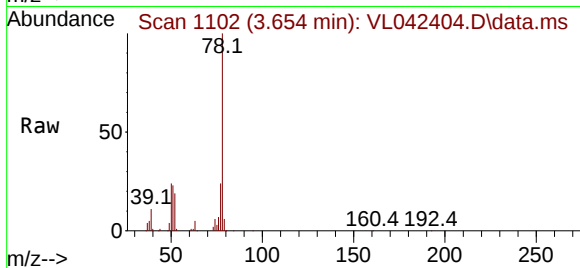
Tgt Ion: 78 Resp: 10000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 24.5  | 17.4  | 26.0  |
| 50  | 24.1  | 15.5  | 23.3  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#52

Tetrachloroethene

Concen: 3.824 ppbv

RT: 8.218 min Scan# 2512

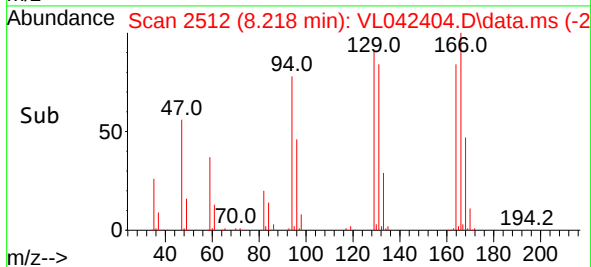
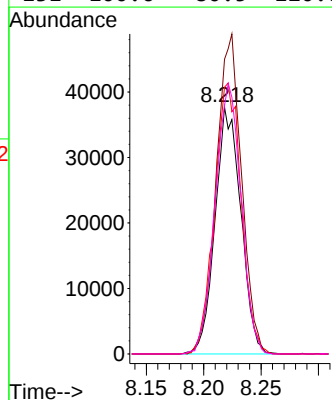
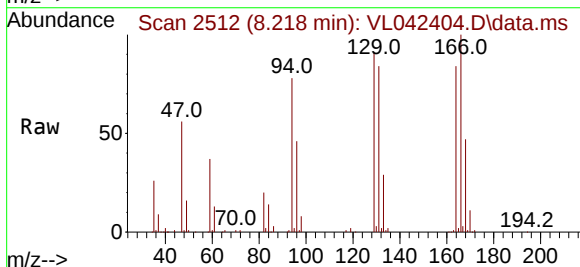
Delta R.T. -0.006 min

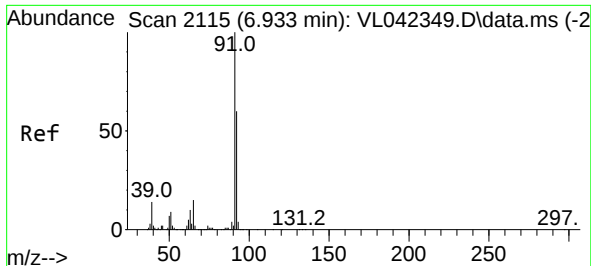
Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Tgt Ion:164 Resp: 58798

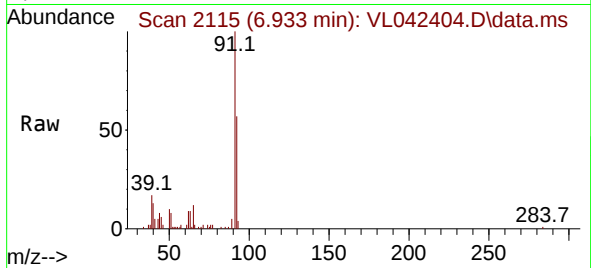
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 119.4 | 98.2  | 147.2 |
| 129 | 108.1 | 81.8  | 122.8 |
| 131 | 100.6 | 80.5  | 120.7 |





#53  
Toluene  
Concen: 0.376 ppbv m  
RT: 6.933 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44

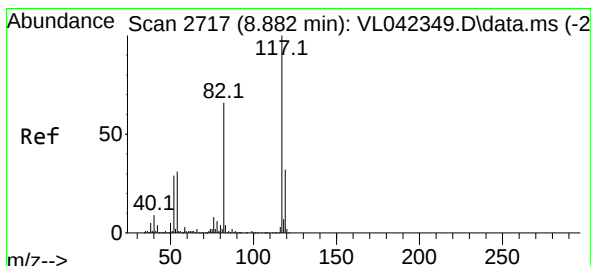
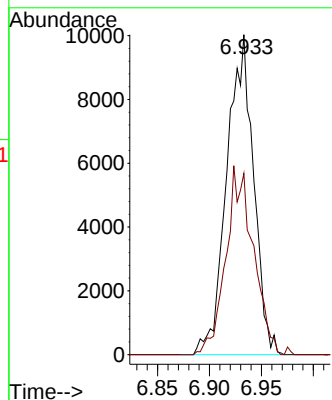
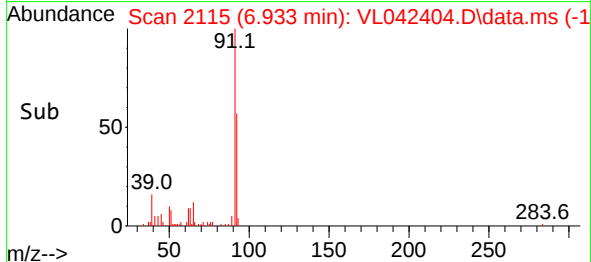
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL



Tgt Ion: 91 Resp: 1795  
Ion Ratio Lower Upper  
91 100  
92 60.9 48.2 72.4

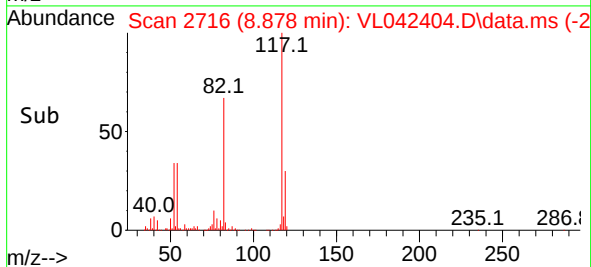
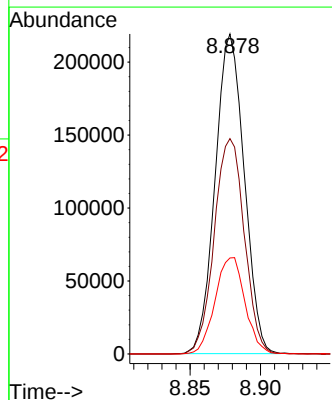
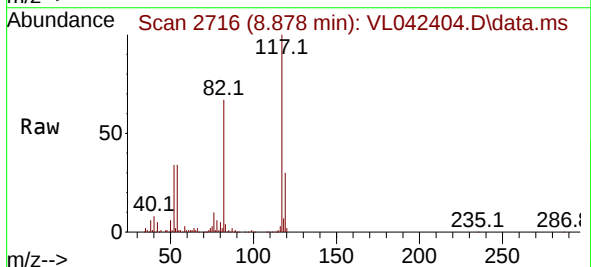
Manual Integrations  
APPROVED

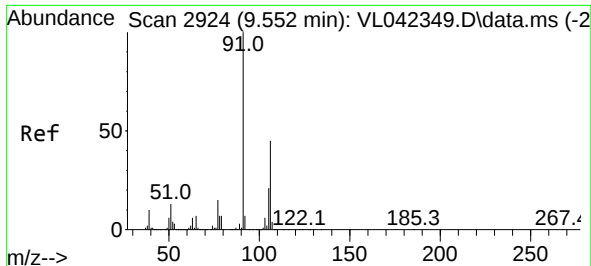
Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.878 min Scan# 2716  
Delta R.T. -0.003 min  
Lab File: VL042404.D  
Acq: 21 Apr 2025 14:44

Tgt Ion:117 Resp: 315151  
Ion Ratio Lower Upper  
117 100  
82 69.6 57.8 86.6  
119 31.2 25.2 37.8





#59

m/p-Xylene

Concen: 0.153 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. -0.023 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

Tgt Ion: 91 Resp: 769

Ion Ratio Lower Upper

91 100

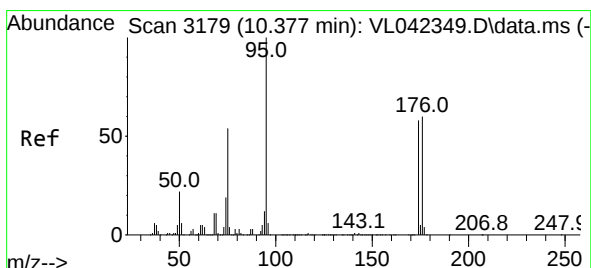
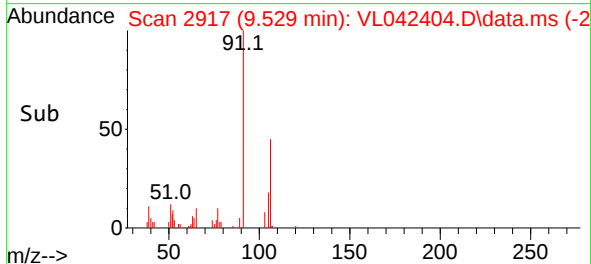
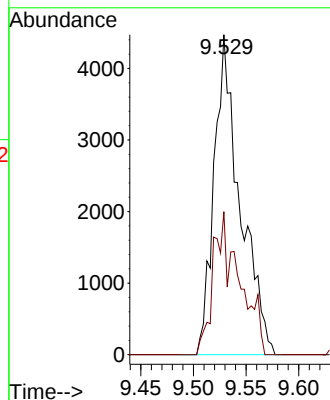
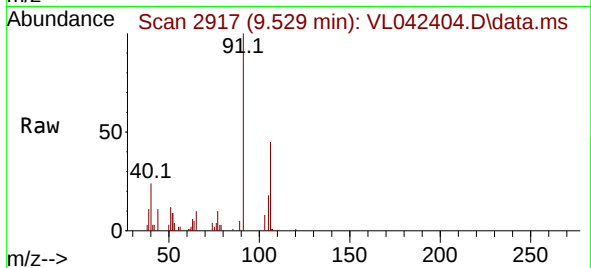
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.181 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042404.D

Acq: 21 Apr 2025 14:44

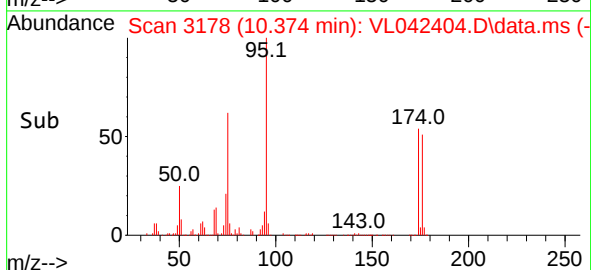
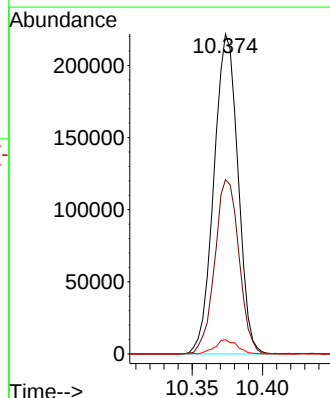
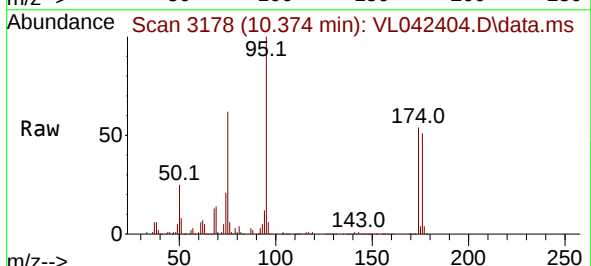
Tgt Ion: 95 Resp: 263653

Ion Ratio Lower Upper

95 100

174 55.0 48.5 72.7

175 4.2 3.7 5.5





# CALIBRATION SUMMARY

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01  
 Lab Code: CHEM Case No.: Q1844 SAS No.: Q1844 SDG No.: Q1844  
 Instrument ID: MSVOA\_L Calibration Date(s): 04/17/2025 04/17/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 09:44 12:54  
 GC Column: RTX-1 ID: 0.32 (mm)

|                         |        |                     |        |                     |        |                     |       |       |
|-------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:            |        | RRF010 = VL042349.D |        | RRF002 = VL042350.D |        | RRF001 = VL042351.D |       |       |
|                         |        | RRF0.5 = VL042352.D |        | RRF0.1 = VL042353.D |        | RRF.03 = VL042354.D |       |       |
| COMPOUND                | RRF010 | RRF002              | RRF001 | RRF0.5              | RRF0.1 | RRF.03              | RRF   | % RSD |
| Vinyl Chloride          | 0.638  | 0.689               | 0.709  | 0.731               | 0.911  | 1.002               | 0.761 | 18.4  |
| 1,1-Dichloroethane      | 1.284  | 1.383               | 1.469  | 1.452               |        |                     | 1.388 | 5.4   |
| cis-1,2-Dichloroethene  | 1.459  | 1.593               | 1.603  | 1.588               |        |                     | 1.553 | 3.9   |
| 1,1,1-Trichloroethane   | 2.274  | 2.493               | 2.549  | 2.557               | 2.840  | 3.110               | 2.599 | 11    |
| Trichloroethene         | 0.395  | 0.447               | 0.448  | 0.443               | 0.505  | 0.643               | 0.471 | 17.6  |
| Tetrachloroethene       | 0.357  | 0.391               | 0.393  | 0.420               | 0.452  | 0.543               | 0.417 | 15.5  |
| 1-Bromo-4-Fluorobenzene | 0.831  | 0.822               | 0.818  | 0.824               | 0.814  | 0.819               | 0.822 | 0.7   |

\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.  
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\

Method File : VL041725AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

Last Update : Fri Apr 18 02:14:00 2025

Response Via : Initial Calibration

## Calibration Files

0.03=VL042354.D 0.1 =VL042353.D 0.5 =VL042352.D 1 =VL042351.D 2 =VL042350.D 10 =VL042349.D 15 =VL042355.D

| Compound                  | 0.03           | 0.1   | 0.5   | 1     | 2     | 10    | 15    | Avg   | %RSD  |
|---------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----                     |                |       |       |       |       |       |       |       |       |
| 1) I Bromochloromethane   | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2) T Dichlorodifluo...    |                |       | 1.831 | 1.837 | 1.827 | 1.658 | 1.682 | 1.767 | 5.05  |
| 3) Chlorodifluoro...      |                |       | 1.876 | 1.657 | 1.698 | 1.573 | 1.608 | 1.682 | 7.01  |
| 4) Chloromethane          |                |       | 0.752 | 0.725 | 0.701 | 0.652 | 0.665 | 0.699 | 5.93  |
| 5) T Vinyl Chloride       | 1.002          | 0.911 | 0.731 | 0.709 | 0.689 | 0.638 | 0.647 | 0.761 | 18.39 |
| 6) T Bromomethane         |                |       | 0.397 | 0.330 | 0.300 | 0.304 | 0.303 | 0.327 | 12.56 |
| 7) Chloroethane           |                |       | 0.303 | 0.287 | 0.280 | 0.253 | 0.255 | 0.275 | 7.76  |
| 8) T Dichlorotetra...     |                |       | 1.556 | 1.550 | 1.581 | 1.432 | 1.465 | 1.517 | 4.25  |
| 9) T Propene              |                |       | 0.880 | 0.797 | 0.758 | 0.690 | 0.707 | 0.766 | 9.95  |
| 10) T Heptane             |                |       | 2.444 | 2.296 | 2.209 | 1.884 | 1.931 | 2.153 | 11.14 |
| 11) T Trichlorofluor...   |                |       | 1.684 | 1.806 | 1.746 | 1.567 | 1.597 | 1.680 | 5.95  |
| 12) T 1,1,2-Trichlor...   |                |       | 1.389 | 1.439 | 1.437 | 1.281 | 1.323 | 1.374 | 5.11  |
| 13) Ethanol               |                |       | 0.275 | 0.139 | 0.123 | 0.035 | 0.036 | 0.122 | 80.54 |
| 14) T Bromoethene         |                |       | 0.537 | 0.545 | 0.530 | 0.490 | 0.487 | 0.518 | 5.24  |
| 15) T Acetone             |                |       | 1.968 | 1.895 | 1.743 | 1.263 | 1.316 | 1.637 | 20.03 |
| 16) T 1,3-Butadiene       |                |       | 1.015 | 0.836 | 0.735 | 0.651 | 0.678 | 0.783 | 18.90 |
| 17) tert-Butyl alc...     |                |       | 2.263 | 2.132 | 2.103 | 1.804 | 1.841 | 2.029 | 9.76  |
| 18) T 1,1-Dichloroet...   |                |       | 0.735 | 0.635 | 0.637 | 0.583 | 0.618 | 0.642 | 8.79  |
| 19) T Isopropyl Alcohol   |                |       | 1.050 | 0.980 | 0.897 | 0.821 | 0.798 | 0.909 | 11.66 |
| 20) T Methylene Chlo...   |                |       | 0.875 | 0.728 | 0.582 | 0.498 | 0.523 | 0.641 | 24.71 |
| 21) T Allyl Chloride      |                |       | 1.276 | 1.213 | 1.110 | 0.973 | 1.080 | 1.130 | 10.44 |
| 22) T trans-1,2-Dich...   |                |       | 0.814 | 0.759 | 0.736 | 0.664 | 0.681 | 0.731 | 8.32  |
| 23) T Vinyl Acetate       |                |       | 0.656 | 0.744 | 0.749 | 0.555 | 0.610 | 0.663 | 12.72 |
| 24) T 1,1-Dichloroet...   |                |       | 1.452 | 1.469 | 1.383 | 1.284 | 1.352 | 1.388 | 5.43  |
| 25) T Ethyl Acetate       |                |       | 4.428 | 4.147 | 4.118 | 3.677 | 3.812 | 4.036 | 7.34  |
| 26) T Hexane              |                |       | 1.899 | 1.719 | 1.625 | 1.424 | 1.499 | 1.633 | 11.45 |
| 27) T Carbon Disulfide    |                |       | 1.903 | 1.670 | 1.785 | 1.668 | 1.718 | 1.749 | 5.63  |
| 28) T Methyl tert-Bu...   |                |       | 1.134 | 1.141 | 1.132 | 0.940 | 1.004 | 1.070 | 8.64  |
| 29) T Chloroform          |                |       | 2.458 | 2.333 | 2.392 | 2.145 | 2.215 | 2.309 | 5.54  |
| 30) T Cyclohexane         |                |       | 1.422 | 1.333 | 1.347 | 1.252 | 1.249 | 1.320 | 5.50  |
| 31) T cis-1,2-Dichlo...   |                |       | 1.588 | 1.603 | 1.593 | 1.459 | 1.522 | 1.553 | 3.95  |
| 32) T 1,1,1-Trichlor...   | 3.110          | 2.840 | 2.557 | 2.549 | 2.493 | 2.274 | 2.369 | 2.599 | 11.03 |
| -----                     |                |       |       |       |       |       |       |       |       |
| 33) I 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |       |
| 34) T 2-Butanone          |                |       | 0.886 | 0.826 | 0.818 | 0.687 | 0.737 | 0.791 | 9.94  |
| 35) T Carbon Tetrach...   | 1.319          | 0.914 | 0.832 | 0.830 | 0.847 | 0.770 | 0.823 | 0.905 | 20.70 |
| 36) T Benzene             |                |       | 1.146 | 1.075 | 1.121 | 1.002 | 1.048 | 1.079 | 5.31  |
| 37) T 1,2-Dichloroet...   |                |       | 0.691 | 0.647 | 0.666 | 0.592 | 0.641 | 0.647 | 5.63  |
| 38) T Trichloroethene     | 0.643          | 0.505 | 0.443 | 0.448 | 0.447 | 0.395 | 0.419 | 0.471 | 17.59 |
| 39) T 1,2-Dichloropr...   |                |       | 0.441 | 0.413 | 0.405 | 0.370 | 0.381 | 0.402 | 6.97  |

|                                                  |   |                   |       |       |       |       |       |       |       |       |       |
|--------------------------------------------------|---|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ |   |                   |       |       |       |       |       |       |       |       |       |
| Method File : VL041725AIR.M                      |   |                   |       |       |       |       |       |       |       |       |       |
| 40)                                              | T | 1,4-Dioxane       |       |       | 0.263 | 0.243 | 0.232 | 0.182 | 0.185 | 0.221 | 16.27 |
| 41)                                              | T | Tetrahydrofuran   |       |       | 0.518 | 0.480 | 0.468 | 0.409 | 0.432 | 0.461 | 9.20  |
| 42)                                              | T | Bromodichlorom... |       |       | 0.943 | 0.909 | 0.912 | 0.852 | 0.889 | 0.901 | 3.71  |
| 43)                                              |   | Methyl Methacr... |       |       | 0.545 | 0.520 | 0.495 | 0.430 | 0.441 | 0.486 | 10.21 |
| 44)                                              | T | 2,2,4-Trimethy... |       |       | 1.935 | 1.916 | 1.962 | 1.708 | 1.794 | 1.863 | 5.79  |
| 45)                                              | T | t-1,3-Dichloro... |       |       | 0.514 | 0.510 | 0.509 | 0.459 | 0.491 | 0.497 | 4.60  |
| 46)                                              | T | cis-1,3-Dichlo... |       |       | 0.613 | 0.617 | 0.637 | 0.570 | 0.603 | 0.608 | 4.05  |
| 47)                                              | T | 1,1,2-Trichlor... |       |       | 0.423 | 0.429 | 0.420 | 0.376 | 0.399 | 0.410 | 5.32  |
| 48)                                              | T | Dibromochlorom... |       |       | 0.743 | 0.721 | 0.746 | 0.679 | 0.729 | 0.723 | 3.70  |
| 49)                                              | T | Bromoform         |       |       | 0.622 | 0.623 | 0.675 | 0.616 | 0.627 | 0.633 | 3.82  |
| 50)                                              | T | 4-Methyl-2-Pen... |       |       | 1.541 | 1.382 | 1.435 | 1.082 | 1.132 | 1.314 | 15.12 |
| 51)                                              | T | 2-Hexanone        |       |       | 1.341 | 1.311 | 1.411 | 0.893 | 0.938 | 1.179 | 20.69 |
| 52)                                              | T | Tetrachloroethene | 0.543 | 0.452 | 0.420 | 0.393 | 0.391 | 0.357 | 0.363 | 0.417 | 15.46 |
| 53)                                              | T | Toluene           |       |       | 1.371 | 1.295 | 1.370 | 1.193 | 1.244 | 1.294 | 6.03  |
| 54)                                              | T | 1,2-Dibromoethane |       | 0.621 | 0.582 | 0.605 | 0.606 | 0.539 | 0.562 | 0.586 | 5.27  |
| -----ISTD-----                                   |   |                   |       |       |       |       |       |       |       |       |       |
| 55)                                              | I | Chlorobenzene-d5  |       |       |       |       |       |       |       |       |       |
| 56)                                              |   | 1,1,1,2-Tetrac... |       |       | 0.621 | 0.640 | 0.635 | 0.550 | 0.581 | 0.605 | 6.37  |
| 57)                                              | T | Chlorobenzene     |       |       | 1.129 | 1.067 | 1.068 | 0.956 | 0.981 | 1.040 | 6.79  |
| 58)                                              | T | Ethyl Benzene     |       |       | 2.029 | 2.088 | 2.068 | 1.832 | 1.890 | 1.981 | 5.73  |
| 59)                                              | T | m/p-Xylene        |       |       | 1.685 | 1.682 | 1.658 | 1.456 | 1.500 | 1.596 | 6.86  |
| 60)                                              | T | o-Xylene          |       |       | 1.740 | 1.697 | 1.668 | 1.442 | 1.490 | 1.607 | 8.25  |
| 61)                                              | T | Styrene           |       |       | 0.792 | 0.776 | 0.808 | 0.726 | 0.734 | 0.767 | 4.68  |
| 62)                                              |   | Isopropylbenzene  |       |       | 2.517 | 2.470 | 2.439 | 2.170 | 2.202 | 2.360 | 6.83  |
| 63)                                              | T | 1,1,2,2-Tetrac... | 1.407 | 1.176 | 0.990 | 0.985 | 0.968 | 0.873 | 0.892 | 1.042 | 18.12 |
| 64)                                              |   | n-propylbenzene   |       |       | 0.645 | 0.605 | 0.610 | 0.542 | 0.564 | 0.593 | 6.81  |
| 65)                                              |   | tert-Butylbenzene |       |       | 2.319 | 2.358 | 2.315 | 1.907 | 1.945 | 2.169 | 10.27 |
| 66)                                              | T | Benzyl Chloride   |       |       | 0.241 | 0.239 | 0.258 | 0.246 | 0.208 | 0.238 | 7.84  |
| 67)                                              |   | sec-Butylbenzene  |       |       | 3.242 | 3.219 | 3.253 | 2.662 | 2.709 | 3.017 | 10.05 |
| 68)                                              | S | 1-Bromo-4-Fluo... | 0.819 | 0.814 | 0.824 | 0.818 | 0.822 | 0.831 | 0.825 | 0.822 | 0.69  |
| 69)                                              |   | p-Isopropyltol... |       |       | 2.834 | 2.818 | 2.811 | 2.304 | 2.338 | 2.621 | 10.46 |
| 70)                                              |   | n-Butylbenzene    |       |       | 2.985 | 2.926 | 2.953 | 2.370 | 2.414 | 2.730 | 11.33 |
| 71)                                              |   | 2-Chlorotoluene   |       |       | 1.972 | 1.924 | 1.920 | 1.695 | 1.744 | 1.851 | 6.65  |
| 72)                                              | T | 4-Ethyltoluene    |       |       | 2.055 | 2.118 | 2.054 | 1.765 | 1.833 | 1.965 | 7.92  |
| 73)                                              | T | 1,3,5-Trimethy... |       |       | 1.894 | 1.851 | 1.841 | 1.517 | 1.570 | 1.735 | 10.19 |
| 74)                                              | T | 1,2,4-Trimethy... |       |       | 2.348 | 2.245 | 2.168 | 1.671 | 1.698 | 2.026 | 15.71 |
| 75)                                              | T | 1,3-Dichlorobe... |       |       | 1.119 | 1.121 | 1.119 | 0.948 | 0.960 | 1.053 | 8.64  |
| 76)                                              | T | 1,4-Dichlorobe... |       |       | 1.138 | 1.115 | 1.122 | 0.944 | 0.974 | 1.059 | 8.69  |
| 77)                                              | T | 1,2-Dichlorobe... |       |       | 1.085 | 1.093 | 1.114 | 0.904 | 0.924 | 1.024 | 9.88  |
| 78)                                              | T | Hexachloro-1,3... |       |       | 1.163 | 1.136 | 1.135 | 0.863 | 0.874 | 1.034 | 14.66 |
| 79)                                              | T | Naphthalene       |       | 2.433 | 2.395 | 2.756 | 2.909 | 2.004 | 2.040 | 2.423 | 15.11 |
| 80)                                              | T | Naphthalene,2-... |       |       | 1.311 | 1.534 | 1.777 | 1.115 | 1.168 | 1.381 | 19.88 |
| 81)                                              | T | 1,2,4-Trichlor... |       |       | 1.026 | 1.117 | 1.224 | 0.905 | 0.929 | 1.040 | 12.75 |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042349.D  
 Acq On : 17 Apr 2025 09:44  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:25:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 125455   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 366544   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 338126   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 281013 10.114 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 207962 | 9.382 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 197334 | 9.350 | ppbv   | 100    |
| 4) Chloromethane              | 1.531 | 50  | 81843  | 9.330 | ppbv   | 100    |
| 5) Vinyl Chloride             | 1.580 | 62  | 80068  | 8.385 | ppbv   | 100    |
| 6) Bromomethane               | 1.667 | 94  | 38128  | 9.219 | ppbv   | 100    |
| 7) Chloroethane               | 1.703 | 64  | 31705  | 9.182 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 179696 | 9.442 | ppbv   | 100    |
| 9) Propene                    | 1.483 | 41  | 86530  | 9.002 | ppbv   | 100    |
| 10) Heptane                   | 4.978 | 43  | 236341 | 9.138 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 196596 | 9.327 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 160682 | 9.323 | ppbv   | 100    |
| 13) Ethanol                   | 1.719 | 45  | 4439   | 5.651 | ppbv   | 100    |
| 14) Bromoethene               | 1.780 | 108 | 61493  | 9.466 | ppbv   | 100    |
| 15) Acetone                   | 1.835 | 43  | 158490 | 7.717 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.609 | 39  | 81688  | 8.470 | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 226280 | 8.891 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 73186  | 8.833 | ppbv   | 100    |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 103029 | 9.031 | ppbv   | 100    |
| 20) Methylene Chloride        | 2.062 | 84  | 62414  | 7.760 | ppbv   | 100    |
| 21) Allyl Chloride            | 2.094 | 41  | 122115 | 8.611 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 83278  | 9.084 | ppbv   | 100    |
| 23) Vinyl Acetate             | 2.460 | 43  | 69649  | 8.378 | ppbv   | 100    |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 161102 | 9.251 | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.836 | 43  | 461315 | 9.110 | ppbv   | 100    |
| 26) Hexane                    | 2.826 | 57  | 178691 | 8.720 | ppbv   | 100    |
| 27) Carbon Disulfide          | 2.149 | 76  | 209297 | 9.539 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 117924 | 8.783 | ppbv   | 100    |
| 29) Chloroform                | 2.848 | 83  | 269088 | 9.290 | ppbv   | 100    |
| 30) Cyclohexane               | 3.855 | 84  | 157035 | 9.517 | ppbv   | 100    |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 183082 | 9.397 | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 285336 | 9.187 | ppbv   | 100    |
| 34) 2-Butanone                | 2.557 | 43  | 251704 | 8.683 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 282402 | 8.513 | ppbv   | 100    |
| 36) Benzene                   | 3.654 | 78  | 367355 | 9.292 | ppbv   | 100    |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 216999 | 9.145 | ppbv   | 100    |
| 38) Trichloroethene           | 4.548 | 130 | 144767 | 8.352 | ppbv   | 100    |
| 39) 1,2-Dichloropropane       | 4.311 | 63  | 135605 | 9.197 | ppbv   | 100    |
| 40) 1,4-Dioxane               | 4.580 | 88  | 66662  | 8.348 | ppbv # | 100    |
| 41) Tetrahydrofuran           | 3.052 | 42  | 149905 | 8.950 | ppbv   | 100    |
| 42) Bromodichloromethane      | 4.489 | 83  | 312268 | 9.456 | ppbv   | 100    |
| 43) Methyl Methacrylate       | 4.881 | 69  | 157501 | 8.876 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 4.642 | 57  | 626085 | 9.157 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 6.415 | 75  | 168223 | 9.233 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042349.D  
 Acq On : 17 Apr 2025 09:44  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:25:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 5.600  | 75   | 208811   | 9.377  | ppbv  | 100      |
| 47) 1,1,2-Trichloroethane     | 6.580  | 97   | 137898   | 9.181  | ppbv  | 100      |
| 48) Dibromochloromethane      | 7.386  | 129  | 248954   | 9.388  | ppbv  | 100      |
| 49) Bromoform                 | 9.480  | 173  | 225706   | 9.734  | ppbv  | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.752  | 43   | 396548   | 8.215  | ppbv  | 100      |
| 51) 2-Hexanone                | 7.435  | 43   | 327165   | 7.511  | ppbv  | 100      |
| 52) Tetrachloroethene         | 8.225  | 164  | 130720   | 8.553  | ppbv  | 100      |
| 53) Toluene                   | 6.933  | 91   | 437258   | 9.216  | ppbv  | 100      |
| 54) 1,2-Dibromoethane         | 7.652  | 107  | 197665   | 9.235  | ppbv  | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 186041   | 9.091  | ppbv  | 100      |
| 57) Chlorobenzene             | 8.920  | 112  | 323084   | 9.187  | ppbv  | 100      |
| 58) Ethyl Benzene             | 9.354  | 91   | 619581   | 9.248  | ppbv  | 100      |
| 59) m/p-Xylene                | 9.552  | 91   | 984458m  | 18.187 | ppbv  |          |
| 60) o-Xylene                  | 9.963  | 91   | 487616   | 8.972  | ppbv  | 100      |
| 61) Styrene                   | 9.869  | 104  | 245487   | 9.464  | ppbv  | 100      |
| 62) Isopropylbenzene          | 10.539 | 105  | 733788   | 9.197  | ppbv  | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 295041   | 8.355  | ppbv  | 100      |
| 64) n-propylbenzene           | 10.989 | 120  | 183390   | 9.144  | ppbv  | 100      |
| 65) tert-Butylbenzene         | 11.532 | 119  | 644953   | 8.795  | ppbv  | 100      |
| 66) Benzyl Chloride           | 11.617 | 91   | 83269    | 10.333 | ppbv  | 100      |
| 67) sec-Butylbenzene          | 11.769 | 105  | 900074   | 8.824  | ppbv  | 100      |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 778987   | 8.790  | ppbv  | 100      |
| 70) n-Butylbenzene            | 12.283 | 91   | 801364   | 8.682  | ppbv  | 100      |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 573039   | 9.157  | ppbv  | 100      |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 596757   | 8.982  | ppbv  | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.205 | 105  | 512855   | 8.743  | ppbv  | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 565064   | 8.248  | ppbv  | 100      |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 320380   | 8.997  | ppbv  | 100      |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 319089   | 8.915  | ppbv  | 100      |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 305822   | 8.832  | ppbv  | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 291833   | 8.346  | ppbv  | 100      |
| 79) Naphthalene               | 13.513 | 128  | 677578   | 8.271  | ppbv  | 100      |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 376995   | 8.074  | ppbv  | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 306119   | 8.702  | ppbv  | 100      |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042350.D  
 Acq On : 17 Apr 2025 10:17  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:26:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 123206   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 355918   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.881 | 117  | 335603   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 275715 9.998 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 45008  | 2.068 | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 41853  | 2.019 | ppbv   | 97     |
| 4) Chloromethane              | 1.534 | 50  | 17272  | 2.005 | ppbv   | 93     |
| 5) Vinyl Chloride             | 1.580 | 62  | 16979  | 1.811 | ppbv   | 92     |
| 6) Bromomethane               | 1.667 | 94  | 7398   | 1.821 | ppbv # | 80     |
| 7) Chloroethane               | 1.706 | 64  | 6889   | 2.031 | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 38955  | 2.084 | ppbv   | 98     |
| 9) Propene                    | 1.483 | 41  | 18671  | 1.978 | ppbv   | 97     |
| 10) Heptane                   | 4.978 | 43  | 54438m | 2.143 | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 43035  | 2.079 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 35415  | 2.092 | ppbv   | 100    |
| 13) Ethanol                   | 1.722 | 45  | 3034m  | 3.933 | ppbv   |        |
| 14) Bromoethene               | 1.780 | 108 | 13049  | 2.045 | ppbv # | 92     |
| 15) Acetone                   | 1.835 | 43  | 42949  | 2.129 | ppbv   | 93     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 18110  | 1.912 | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.042 | 59  | 51829  | 2.074 | ppbv # | 94     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 15690  | 1.928 | ppbv   | 87     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 22106  | 1.973 | ppbv # | 38     |
| 20) Methylene Chloride        | 2.062 | 84  | 14329  | 1.814 | ppbv # | 82     |
| 21) Allyl Chloride            | 2.098 | 41  | 27340  | 1.963 | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 18142  | 2.015 | ppbv   | 97     |
| 23) Vinyl Acetate             | 2.463 | 43  | 18454  | 2.260 | ppbv # | 91     |
| 24) 1,1-Dichloroethane        | 2.411 | 63  | 34077  | 1.993 | ppbv   | 96     |
| 25) Ethyl Acetate             | 2.835 | 43  | 101467 | 2.040 | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 40046  | 1.990 | ppbv   | 99     |
| 27) Carbon Disulfide          | 2.149 | 76  | 43975  | 2.041 | ppbv # | 64     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 27905  | 2.116 | ppbv   | 97     |
| 29) Chloroform                | 2.848 | 83  | 58946  | 2.072 | ppbv   | 100    |
| 30) Cyclohexane               | 3.858 | 84  | 33195  | 2.048 | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 39249  | 2.051 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 61442  | 2.014 | ppbv   | 99     |
| 34) 2-Butanone                | 2.560 | 43  | 58249  | 2.069 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 60291  | 1.872 | ppbv   | 88     |
| 36) Benzene                   | 3.658 | 78  | 79814  | 2.079 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 47398  | 2.057 | ppbv   | 100    |
| 38) Trichloroethene           | 4.544 | 130 | 31826m | 1.891 | ppbv   |        |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 28806  | 2.012 | ppbv   | 96     |
| 40) 1,4-Dioxane               | 4.593 | 88  | 16536m | 2.133 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.059 | 42  | 33298  | 2.047 | ppbv   | 98     |
| 42) Bromodichloromethane      | 4.489 | 83  | 64941  | 2.025 | ppbv   | 97     |
| 43) Methyl Methacrylate       | 4.881 | 69  | 35256  | 2.046 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 139641 | 2.103 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.415 | 75  | 36265  | 2.050 | ppbv   | 94     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042350.D  
 Acq On : 17 Apr 2025 10:17  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:26:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 5.600  | 75   | 45327m   | 2.096 | ppbv  |          |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 29879    | 2.049 | ppbv  | 88       |
| 48) Dibromochloromethane      | 7.389  | 129  | 53069    | 2.061 | ppbv  | 100      |
| 49) Bromoform                 | 9.483  | 173  | 48069    | 2.135 | ppbv  | 97       |
| 50) 4-Methyl-2-Pentanone      | 5.758  | 43   | 102182   | 2.180 | ppbv  | 99       |
| 51) 2-Hexanone                | 7.441  | 43   | 100443   | 2.375 | ppbv  | 98       |
| 52) Tetrachloroethene         | 8.228  | 164  | 27854    | 1.877 | ppbv  | 96       |
| 53) Toluene                   | 6.933  | 91   | 97493    | 2.116 | ppbv  | 98       |
| 54) 1,2-Dibromoethane         | 7.655  | 107  | 43153    | 2.076 | ppbv  | 87       |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 42601    | 2.097 | ppbv  | 95       |
| 57) Chlorobenzene             | 8.924  | 112  | 71685    | 2.054 | ppbv  | 98       |
| 58) Ethyl Benzene             | 9.357  | 91   | 138810   | 2.088 | ppbv  | 98       |
| 59) m/p-Xylene                | 9.532  | 91   | 222542m  | 4.142 | ppbv  |          |
| 60) o-Xylene                  | 9.963  | 91   | 111972   | 2.076 | ppbv  | 98       |
| 61) Styrene                   | 9.872  | 104  | 54229    | 2.106 | ppbv  | 98       |
| 62) Isopropylbenzene          | 10.539 | 105  | 163716   | 2.067 | ppbv  | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 64952    | 1.853 | ppbv  | 99       |
| 64) n-propylbenzene           | 10.989 | 120  | 40956    | 2.058 | ppbv  | 96       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 155401   | 2.135 | ppbv  | 92       |
| 66) Benzyl Chloride           | 11.616 | 91   | 17300    | 2.163 | ppbv  | 98       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 218327   | 2.156 | ppbv  | 100      |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 188657   | 2.145 | ppbv  | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 198221   | 2.164 | ppbv  | 99       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 128858   | 2.075 | ppbv  | 98       |
| 72) 4-Ethyltoluene            | 11.124 | 105  | 137872   | 2.091 | ppbv  | 97       |
| 73) 1,3,5-Trimethylbenzene    | 11.205 | 105  | 123580   | 2.123 | ppbv  | 98       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 145510   | 2.140 | ppbv  | 92       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 75082    | 2.124 | ppbv  | 98       |
| 76) 1,4-Dichlorobenzene       | 11.671 | 146  | 75323    | 2.120 | ppbv  | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 74786    | 2.176 | ppbv  | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 76158    | 2.194 | ppbv  | 100      |
| 79) Naphthalene               | 13.513 | 128  | 195233   | 2.401 | ppbv  | 99       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 119262   | 2.574 | ppbv  | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 82156    | 2.353 | ppbv  | 99       |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042351.D  
 Acq On : 17 Apr 2025 10:48  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:27:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.791 | 49   | 124177   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.962 | 114  | 359907   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 329090   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 269087 9.950 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 22816  | 1.040 | ppbv   | 93     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 20573  | 0.985 | ppbv   | 97     |
| 4) Chloromethane              | 1.535 | 50  | 9008   | 1.038 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.580 | 62  | 8807   | 0.932 | ppbv   | 98     |
| 6) Bromomethane               | 1.671 | 94  | 4099   | 1.001 | ppbv   | 91     |
| 7) Chloroethane               | 1.706 | 64  | 3559   | 1.041 | ppbv   | 90     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 19251  | 1.022 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 9892   | 1.040 | ppbv   | 92     |
| 10) Heptane                   | 4.982 | 43  | 28507m | 1.114 | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 22428  | 1.075 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 17865  | 1.047 | ppbv   | 98     |
| 13) Ethanol                   | 1.722 | 45  | 1730m  | 2.225 | ppbv   |        |
| 14) Bromoethene               | 1.784 | 108 | 6766   | 1.052 | ppbv # | 89     |
| 15) Acetone                   | 1.839 | 43  | 23537  | 1.158 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 10377m | 1.087 | ppbv   |        |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 26477  | 1.051 | ppbv # | 90     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 7890   | 0.962 | ppbv   | 94     |
| 19) Isopropyl Alcohol         | 1.888 | 45  | 12175  | 1.078 | ppbv # | 39     |
| 20) Methylene Chloride        | 2.062 | 84  | 9046   | 1.136 | ppbv   | 87     |
| 21) Allyl Chloride            | 2.098 | 41  | 15057  | 1.073 | ppbv   | 91     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 9421   | 1.038 | ppbv   | 96     |
| 23) Vinyl Acetate             | 2.467 | 43  | 9234   | 1.122 | ppbv # | 90     |
| 24) 1,1-Dichloroethane        | 2.409 | 63  | 18236  | 1.058 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.842 | 43  | 51494  | 1.027 | ppbv # | 97     |
| 26) Hexane                    | 2.826 | 57  | 21350  | 1.053 | ppbv   | 95     |
| 27) Carbon Disulfide          | 2.153 | 76  | 20739  | 0.955 | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 14164  | 1.066 | ppbv # | 85     |
| 29) Chloroform                | 2.852 | 83  | 28973  | 1.011 | ppbv   | 100    |
| 30) Cyclohexane               | 3.862 | 84  | 16547m | 1.013 | ppbv   |        |
| 31) cis-1,2-Dichloroethene    | 2.723 | 61  | 19904  | 1.032 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 31653  | 1.030 | ppbv   | 98     |
| 34) 2-Butanone                | 2.564 | 43  | 29735  | 1.045 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.768 | 117 | 29875  | 0.917 | ppbv   | 94     |
| 36) Benzene                   | 3.661 | 78  | 38707  | 0.997 | ppbv   | 95     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 23284  | 0.999 | ppbv   | 97     |
| 38) Trichloroethene           | 4.551 | 130 | 16119  | 0.947 | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.318 | 63  | 14866  | 1.027 | ppbv   | 96     |
| 40) 1,4-Dioxane               | 4.597 | 88  | 8737m  | 1.114 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.062 | 42  | 17259  | 1.049 | ppbv   | 96     |
| 42) Bromodichloromethane      | 4.490 | 83  | 32721  | 1.009 | ppbv # | 98     |
| 43) Methyl Methacrylate       | 4.885 | 69  | 18699m | 1.073 | ppbv   |        |
| 44) 2,2,4-Trimethylpentane    | 4.642 | 57  | 68946m | 1.027 | ppbv   |        |
| 45) t-1,3-Dichloropropene     | 6.416 | 75  | 18347m | 1.026 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042351.D  
 Acq On : 17 Apr 2025 10:48  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:27:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.603  | 75   | 22189m   | 1.015 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.587  | 97   | 15457m   | 1.048 | ppbv   |          |
| 48) Dibromochloromethane      | 7.390  | 129  | 25948    | 0.997 | ppbv   | 100      |
| 49) Bromoform                 | 9.484  | 173  | 22413    | 0.984 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.765  | 43   | 49725    | 1.049 | ppbv   | 97       |
| 51) 2-Hexanone                | 7.445  | 43   | 47178    | 1.103 | ppbv   | 99       |
| 52) Tetrachloroethene         | 8.228  | 164  | 14154    | 0.943 | ppbv   | 93       |
| 53) Toluene                   | 6.940  | 91   | 46611    | 1.001 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.658  | 107  | 21780    | 1.036 | ppbv   | 93       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 21052    | 1.057 | ppbv   | 95       |
| 57) Chlorobenzene             | 8.921  | 112  | 35113    | 1.026 | ppbv # | 95       |
| 58) Ethyl Benzene             | 9.354  | 91   | 68703    | 1.054 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.552  | 91   | 110702m  | 2.101 | ppbv   |          |
| 60) o-Xylene                  | 9.966  | 91   | 55831    | 1.056 | ppbv   | 99       |
| 61) Styrene                   | 9.872  | 104  | 25544    | 1.012 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.542 | 105  | 81286    | 1.047 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 32410    | 0.943 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.989 | 120  | 19898    | 1.019 | ppbv   | 90       |
| 65) tert-Butylbenzene         | 11.533 | 119  | 77598    | 1.087 | ppbv   | 92       |
| 66) Benzyl Chloride           | 11.617 | 91   | 7864     | 1.003 | ppbv # | 91       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 105919   | 1.067 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 11.928 | 119  | 92733    | 1.075 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.284 | 91   | 96306    | 1.072 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.905 | 91   | 63321    | 1.040 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 69698    | 1.078 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 60927    | 1.067 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 73888    | 1.108 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 36877    | 1.064 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 36692    | 1.053 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 35977    | 1.068 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 37377    | 1.098 | ppbv   | 99       |
| 79) Naphthalene               | 13.517 | 128  | 90710    | 1.138 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 50487    | 1.111 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 36764    | 1.074 | ppbv   | 99       |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042352.D  
 Acq On : 17 Apr 2025 11:19  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:28:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 120542   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.952 | 114  | 353137   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 321644   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 265161 10.032 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 11036  | 0.518 | ppbv   | 92     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 11304  | 0.557 | ppbv # | 84     |
| 4) Chloromethane              | 1.531 | 50  | 4534   | 0.538 | ppbv   | 97     |
| 5) Vinyl Chloride             | 1.580 | 62  | 4406   | 0.480 | ppbv   | 97     |
| 6) Bromomethane               | 1.667 | 94  | 2394   | 0.602 | ppbv   | 95     |
| 7) Chloroethane               | 1.703 | 64  | 1824   | 0.550 | ppbv # | 87     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 9381   | 0.513 | ppbv   | 99     |
| 9) Propene                    | 1.483 | 41  | 5303   | 0.574 | ppbv   | 93     |
| 10) Heptane                   | 4.978 | 43  | 14728m | 0.593 | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 10150  | 0.501 | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 8371   | 0.506 | ppbv   | 93     |
| 13) Ethanol                   | 1.719 | 45  | 1656m  | 2.194 | ppbv   |        |
| 14) Bromoethene               | 1.780 | 108 | 3238   | 0.519 | ppbv # | 93     |
| 15) Acetone                   | 1.835 | 43  | 11859  | 0.601 | ppbv # | 74     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 6120   | 0.660 | ppbv # | 82     |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 13640  | 0.558 | ppbv # | 85     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 4430   | 0.556 | ppbv # | 87     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 6327   | 0.577 | ppbv # | 39     |
| 20) Methylene Chloride        | 2.059 | 84  | 5273   | 0.682 | ppbv   | 93     |
| 21) Allyl Chloride            | 2.094 | 41  | 7692   | 0.565 | ppbv # | 81     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 4908   | 0.557 | ppbv   | 92     |
| 23) Vinyl Acetate             | 2.460 | 43  | 3953   | 0.495 | ppbv # | 57     |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 8753   | 0.523 | ppbv # | 94     |
| 25) Ethyl Acetate             | 2.835 | 43  | 26686  | 0.548 | ppbv # | 93     |
| 26) Hexane                    | 2.823 | 57  | 11448  | 0.581 | ppbv   | 91     |
| 27) Carbon Disulfide          | 2.149 | 76  | 11472  | 0.544 | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 6833   | 0.530 | ppbv # | 32     |
| 29) Chloroform                | 2.848 | 83  | 14815  | 0.532 | ppbv   | 93     |
| 30) Cyclohexane               | 3.852 | 84  | 8572   | 0.541 | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 9571   | 0.511 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.370 | 97  | 15413  | 0.516 | ppbv   | 97     |
| 34) 2-Butanone                | 2.560 | 43  | 15640  | 0.560 | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 14683  | 0.459 | ppbv   | 87     |
| 36) Benzene                   | 3.651 | 78  | 20233  | 0.531 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 12194  | 0.533 | ppbv # | 95     |
| 38) Trichloroethene           | 4.551 | 130 | 7819   | 0.468 | ppbv # | 78     |
| 39) 1,2-Dichloropropane       | 4.308 | 63  | 7790m  | 0.548 | ppbv   |        |
| 40) 1,4-Dioxane               | 4.599 | 88  | 4637m  | 0.603 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.062 | 42  | 9144m  | 0.567 | ppbv   |        |
| 42) Bromodichloromethane      | 4.489 | 83  | 16642  | 0.523 | ppbv # | 91     |
| 43) Methyl Methacrylate       | 4.881 | 69  | 9620m  | 0.563 | ppbv   |        |
| 44) 2,2,4-Trimethylpentane    | 4.635 | 57  | 34170  | 0.519 | ppbv   | 91     |
| 45) t-1,3-Dichloropropene     | 6.415 | 75  | 9073m  | 0.517 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042352.D  
 Acq On : 17 Apr 2025 11:19  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:28:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.596  | 75   | 10827m   | 0.505 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.577  | 97   | 7466m    | 0.516 | ppbv   |          |
| 48) Dibromochloromethane      | 7.386  | 129  | 13122    | 0.514 | ppbv   | 97       |
| 49) Bromoform                 | 9.477  | 173  | 10988    | 0.492 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.761  | 43   | 27206m   | 0.585 | ppbv   |          |
| 51) 2-Hexanone                | 7.441  | 43   | 23684    | 0.564 | ppbv   | 98       |
| 52) Tetrachloroethene         | 8.221  | 164  | 7412     | 0.503 | ppbv # | 88       |
| 53) Toluene                   | 6.927  | 91   | 24200    | 0.529 | ppbv   | 97       |
| 54) 1,2-Dibromoethane         | 7.645  | 107  | 10282    | 0.499 | ppbv   | 84       |
| 56) 1,1,1,2-Tetrachloroethane | 8.930  | 131  | 9987     | 0.513 | ppbv # | 1        |
| 57) Chlorobenzene             | 8.917  | 112  | 18149m   | 0.543 | ppbv   |          |
| 58) Ethyl Benzene             | 9.351  | 91   | 32624    | 0.512 | ppbv   | 97       |
| 59) m/p-Xylene                | 9.532  | 91   | 54197m   | 1.053 | ppbv   |          |
| 60) o-Xylene                  | 9.963  | 91   | 27983    | 0.541 | ppbv   | 99       |
| 61) Styrene                   | 9.869  | 104  | 12736    | 0.516 | ppbv   | 96       |
| 62) Isopropylbenzene          | 10.539 | 105  | 40481    | 0.533 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.959  | 83   | 15920    | 0.474 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.985 | 120  | 10369    | 0.544 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.529 | 119  | 37294    | 0.535 | ppbv   | 93       |
| 66) Benzyl Chloride           | 11.613 | 91   | 3878     | 0.506 | ppbv # | 91       |
| 67) sec-Butylbenzene          | 11.765 | 105  | 52139    | 0.537 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 11.924 | 119  | 45574    | 0.541 | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.280 | 91   | 48004    | 0.547 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.898 | 91   | 31709    | 0.533 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 33048    | 0.523 | ppbv # | 95       |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105  | 30464    | 0.546 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105  | 37765    | 0.579 | ppbv # | 90       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 18003    | 0.531 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.668 | 146  | 18300    | 0.537 | ppbv   | 96       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 17446    | 0.530 | ppbv   | 95       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 18705    | 0.562 | ppbv   | 98       |
| 79) Naphthalene               | 13.513 | 128  | 38521    | 0.494 | ppbv # | 92       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 21076    | 0.475 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 16504    | 0.493 | ppbv   | 97       |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042353.D  
 Acq On : 17 Apr 2025 11:50  
 Operator : SY/MD  
 Sample : VSTDICC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:29:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Fri Apr 18 01:24:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.791  | 49    | 119461   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.962  | 114   | 350484   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.885  | 117   | 315004   | 10.000   | ppbv   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.381 | 95    | 256417   | 9.906    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 99.100%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl Chloride             | 1.580  | 62    | 1088     | 0.120    | ppbv # | 74       |
| 32) 1,1,1-Trichloroethane     | 3.367  | 97    | 3393m    | 0.115    | ppbv   |          |
| 35) Carbon Tetrachloride      | 3.771  | 117   | 3204     | 0.101    | ppbv # | 94       |
| 38) Trichloroethene           | 4.551  | 130   | 1771m    | 0.107    | ppbv   |          |
| 52) Tetrachloroethene         | 8.222  | 164   | 1583m    | 0.108    | ppbv   |          |
| 54) 1,2-Dibromoethane         | 7.662  | 107   | 2177m    | 0.106    | ppbv   |          |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83    | 3706m    | 0.113    | ppbv   |          |
| 79) Naphthalene               | 13.517 | 128   | 7664     | 0.100    | ppbv # | 92       |
| -----                         |        |       |          |          |        |          |

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

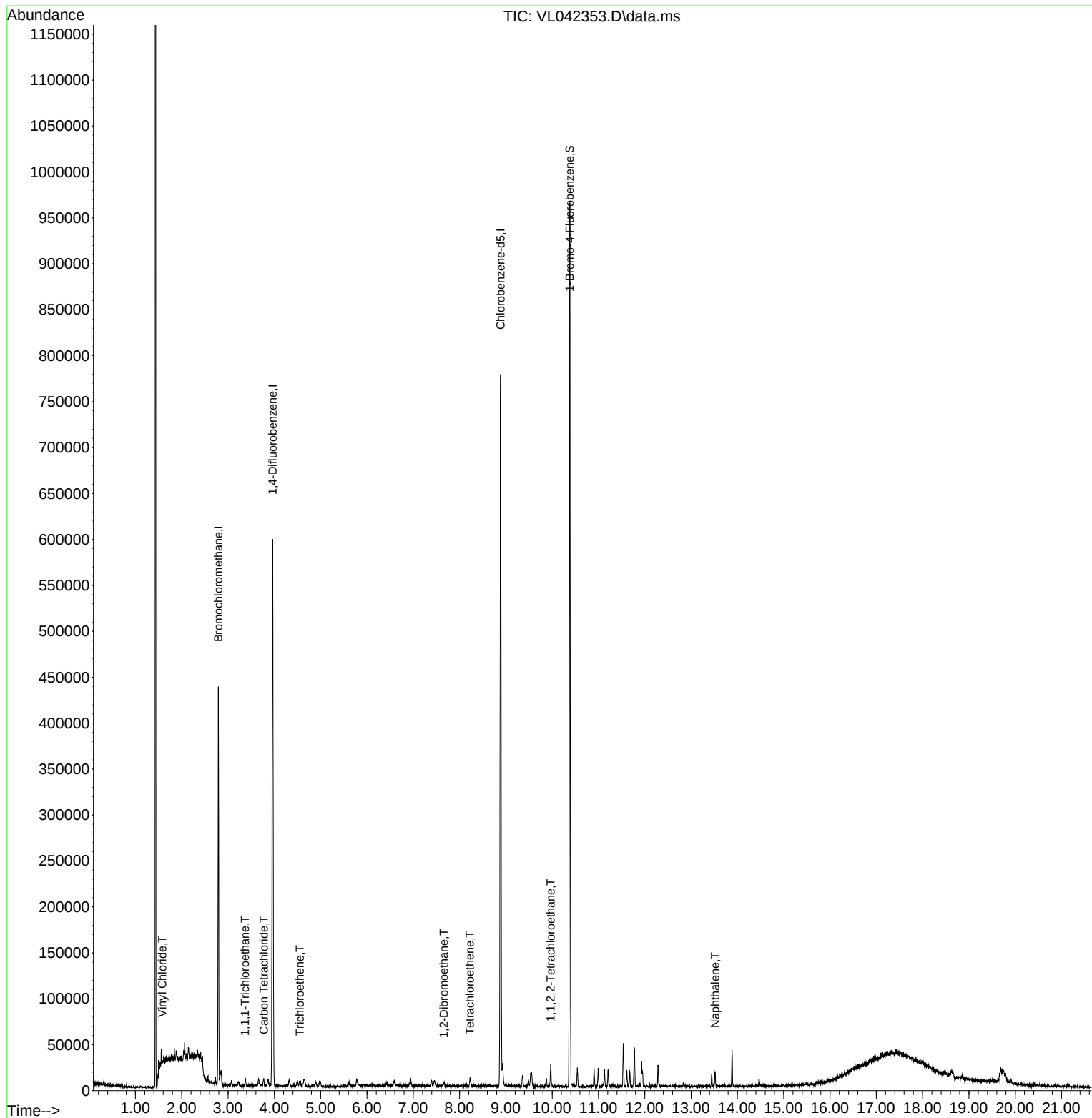
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
Data File : VL042353.D  
Acq On : 17 Apr 2025 11:50  
Operator : SY/MD  
Sample : VSTDICC0.1  
Misc : 400mL/MSVOA\_L  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.1

Manual Integrations  
APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:29:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Apr 18 01:24:29 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042354.D  
 Acq On : 17 Apr 2025 12:22  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:07:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.790  | 49    | 120042   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.965  | 114   | 349264   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.885  | 117   | 312999   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.380 | 95    | 256230   | 9.962    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 99.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl Chloride             | 1.583  | 62    | 361      | 0.040    | ppbv   | # 76     |
| 32) 1,1,1-Trichloroethane     | 3.373  | 97    | 1120m    | 0.038    | ppbv   |          |
| 35) Carbon Tetrachloride      | 3.768  | 117   | 1382m    | 0.044    | ppbv   |          |
| 38) Trichloroethene           | 4.538  | 130   | 674m     | 0.041    | ppbv   |          |
| 52) Tetrachloroethene         | 8.228  | 164   | 569m     | 0.039    | ppbv   |          |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83    | 1321m    | 0.040    | ppbv   |          |
| -----                         |        |       |          |          |        |          |

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

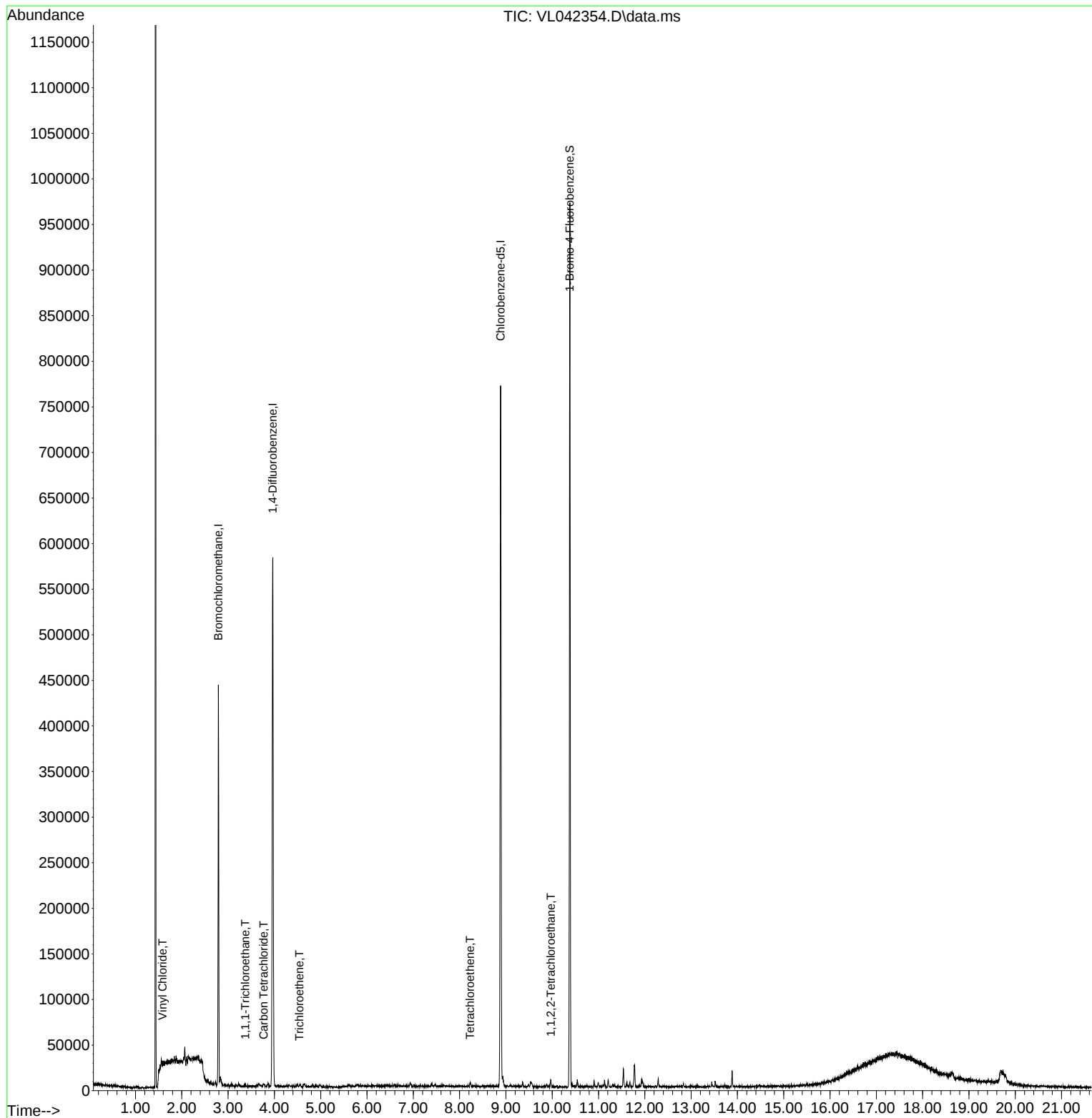
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
Data File : VL042354.D  
Acq On : 17 Apr 2025 12:22  
Operator : SY/MD  
Sample : VSTDICC0.03  
Misc : 400mL/MSVOA\_L  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

Quant Time: Apr 18 02:07:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri Apr 18 01:24:29 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
Supervised By :Mahesh Dadoda 04/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042355.D  
 Acq On : 17 Apr 2025 12:54  
 Operator : SY/MD  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:31:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 116071   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 332080   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 308463   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 254437 10.038 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 292784 | 14.277 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.477 | 51  | 280042 | 14.341 | ppbv   | 98     |
| 4) Chloromethane              | 1.532 | 50  | 115775 | 14.266 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.580 | 62  | 112650 | 12.752 | ppbv   | 100    |
| 6) Bromomethane               | 1.667 | 94  | 52805  | 13.800 | ppbv   | 88     |
| 7) Chloroethane               | 1.703 | 64  | 44347  | 13.881 | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 255029 | 14.484 | ppbv   | 98     |
| 9) Propene                    | 1.483 | 41  | 123102 | 13.842 | ppbv   | 95     |
| 10) Heptane                   | 4.979 | 43  | 336134 | 14.047 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.875 | 101 | 278059 | 14.258 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.137 | 101 | 230366 | 14.447 | ppbv   | 99     |
| 13) Ethanol                   | 1.719 | 45  | 6324   | 8.702  | ppbv   | 76     |
| 14) Bromoethene               | 1.781 | 108 | 84851  | 14.117 | ppbv   | 99     |
| 15) Acetone                   | 1.833 | 43  | 229086 | 12.056 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 117997 | 13.224 | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.040 | 59  | 320605 | 13.615 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 107666 | 14.045 | ppbv   | 99     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 139004 | 13.169 | ppbv   | 94     |
| 20) Methylene Chloride        | 2.059 | 84  | 91093  | 12.241 | ppbv   | 90     |
| 21) Allyl Chloride            | 2.095 | 41  | 187995 | 14.329 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 2.341 | 96  | 118492 | 13.970 | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.460 | 43  | 106135 | 13.799 | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 2.409 | 63  | 235466 | 14.615 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.836 | 43  | 663644 | 14.166 | ppbv   | 100    |
| 26) Hexane                    | 2.826 | 57  | 260975 | 13.765 | ppbv   | 97     |
| 27) Carbon Disulfide          | 2.150 | 76  | 299098 | 14.734 | ppbv   | 97     |
| 28) Methyl tert-Butyl Ether   | 2.438 | 73  | 174855 | 14.076 | ppbv   | 95     |
| 29) Chloroform                | 2.849 | 83  | 385686 | 14.393 | ppbv   | 99     |
| 30) Cyclohexane               | 3.855 | 84  | 217375 | 14.238 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 264972 | 14.700 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.367 | 97  | 412537 | 14.357 | ppbv   | 99     |
| 34) 2-Butanone                | 2.558 | 43  | 367315 | 13.986 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.762 | 117 | 409916 | 13.639 | ppbv   | 94     |
| 36) Benzene                   | 3.655 | 78  | 522156 | 14.578 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.218 | 62  | 319517 | 14.863 | ppbv   | 100    |
| 38) Trichloroethene           | 4.548 | 130 | 208508 | 13.278 | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 4.312 | 63  | 189697 | 14.201 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.580 | 88  | 92114  | 12.733 | ppbv # | 95     |
| 41) Tetrahydrofuran           | 3.053 | 42  | 214949 | 14.166 | ppbv   | 98     |
| 42) Bromodichloromethane      | 4.490 | 83  | 442735 | 14.798 | ppbv   | 95     |
| 43) Methyl Methacrylate       | 4.878 | 69  | 219757 | 13.670 | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane    | 4.642 | 57  | 893529 | 14.425 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 244470 | 14.810 | ppbv   | 94     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042355.D  
 Acq On : 17 Apr 2025 12:54  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:31:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.600  | 75   | 300145   | 14.878 | ppbv   | 90       |
| 47) 1,1,2-Trichloroethane     | 6.581  | 97   | 198874   | 14.615 | ppbv   | 98       |
| 48) Dibromochloromethane      | 7.390  | 129  | 362887   | 15.105 | ppbv   | 98       |
| 49) Bromoform                 | 9.484  | 173  | 312282   | 14.865 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.749  | 43   | 563658   | 12.889 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.435  | 43   | 467001   | 11.834 | ppbv # | 98       |
| 52) Tetrachloroethene         | 8.225  | 164  | 180631   | 13.046 | ppbv   | 97       |
| 53) Toluene                   | 6.933  | 91   | 619420   | 14.411 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.652  | 107  | 280071   | 14.442 | ppbv   | 92       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 268626   | 14.389 | ppbv   | 97       |
| 57) Chlorobenzene             | 8.921  | 112  | 454017   | 14.151 | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.354  | 91   | 874424   | 14.308 | ppbv   | 100      |
| 59) m/p-Xylene                | 9.552  | 91   | 1388086m | 28.109 | ppbv   |          |
| 60) o-Xylene                  | 9.963  | 91   | 689246   | 13.902 | ppbv   | 99       |
| 61) Styrene                   | 9.872  | 104  | 339508   | 14.347 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.539 | 105  | 1018968  | 13.999 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 412898   | 12.816 | ppbv   | 100      |
| 64) n-propylbenzene           | 10.989 | 120  | 260812   | 14.255 | ppbv   | 94       |
| 65) tert-Butylbenzene         | 11.533 | 119  | 899720   | 13.449 | ppbv   | 93       |
| 66) Benzyl Chloride           | 11.617 | 91   | 96016    | 13.061 | ppbv   | 96       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 1253263  | 13.468 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.928 | 119  | 1081850  | 13.382 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.284 | 91   | 1117042  | 13.266 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.902 | 91   | 806728   | 14.131 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 848077   | 13.992 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 726558   | 13.578 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 785772   | 12.572 | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 444086   | 13.670 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 450662   | 13.802 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 427372   | 13.529 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.883 | 225  | 404441   | 12.679 | ppbv   | 100      |
| 79) Naphthalene               | 13.514 | 128  | 944085   | 12.632 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 14.459 | 142  | 540339   | 12.686 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 429982   | 13.398 | ppbv   | 98       |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042356.D  
 Acq On : 17 Apr 2025 13:43  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL041725

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025  
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:15:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 113992   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.958 | 114  | 324528   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.881 | 117  | 305357   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 250149 9.969 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 197623 | 9.812  | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 191010 | 9.960  | ppbv   | 99     |
| 4) Chloromethane              | 1.531 | 50  | 78080  | 9.796  | ppbv   | 98     |
| 5) Vinyl Chloride             | 1.580 | 62  | 75628  | 8.717  | ppbv   | 97     |
| 6) Bromomethane               | 1.667 | 94  | 35115  | 9.422  | ppbv   | 84     |
| 7) Chloroethane               | 1.703 | 64  | 30158  | 9.612  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 172863 | 9.997  | ppbv   | 98     |
| 9) Propene                    | 1.482 | 41  | 84636  | 9.690  | ppbv   | 95     |
| 10) Heptane                   | 4.978 | 43  | 221840 | 9.041  | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 187827 | 9.807  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 148485 | 9.482  | ppbv   | 100    |
| 13) Ethanol                   | 1.722 | 45  | 4171   | 3.005  | ppbv   | 97     |
| 14) Bromoethene               | 1.780 | 108 | 58320  | 9.880  | ppbv   | 99     |
| 15) Acetone                   | 1.835 | 43  | 158708 | 8.505  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.609 | 39  | 78804  | 8.829  | ppbv   | 95     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 218954 | 9.468  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 67940  | 9.287  | ppbv   | 94     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 96365  | 9.296  | ppbv   | 95     |
| 20) Methylene Chloride        | 2.062 | 84  | 59203  | 8.101  | ppbv   | 91     |
| 21) Allyl Chloride            | 2.094 | 41  | 120704 | 9.368  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 78070  | 9.373  | ppbv   | 99     |
| 23) Vinyl Acetate             | 2.463 | 43  | 73373  | 9.714  | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 155571 | 9.832  | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.835 | 43  | 449014 | 9.759  | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 175752 | 9.439  | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.149 | 76  | 191117 | 9.587  | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 115190 | 9.442  | ppbv   | 94     |
| 29) Chloroform                | 2.848 | 83  | 260855 | 9.912  | ppbv   | 98     |
| 30) Cyclohexane               | 3.855 | 84  | 148246 | 9.849  | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 179993 | 10.167 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 3.369 | 97  | 276599 | 9.336  | ppbv   | 98     |
| 34) 2-Butanone                | 2.557 | 43  | 248969 | 9.700  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 271862 | 9.256  | ppbv   | 98     |
| 36) Benzene                   | 3.657 | 78  | 350545 | 10.014 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 211790 | 10.081 | ppbv   | 99     |
| 38) Trichloroethene           | 4.551 | 130 | 139872 | 9.143  | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 129239 | 9.908  | ppbv   | 99     |
| 40) 1,4-Dioxane               | 4.583 | 88  | 61587  | 8.591  | ppbv # | 96     |
| 41) Tetrahydrofuran           | 3.052 | 42  | 141861 | 9.479  | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.489 | 83  | 296946 | 10.156 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 4.878 | 69  | 149209 | 9.458  | ppbv   | 96     |
| 44) 2,2,4-Trimethylpentane    | 4.641 | 57  | 606376 | 10.030 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 160750 | 9.975  | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042356.D  
 Acq On : 17 Apr 2025 13:43  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL041725

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025  
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:15:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.599  | 75   | 200144   | 10.148 | ppbv   | 88       |
| 47) 1,1,2-Trichloroethane     | 6.583  | 97   | 135575   | 10.202 | ppbv   | 95       |
| 48) Dibromochloromethane      | 7.389  | 129  | 237206   | 10.103 | ppbv   | 100      |
| 49) Bromoform                 | 9.483  | 173  | 205630   | 10.016 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.748  | 43   | 376145   | 8.819  | ppbv   | 99       |
| 51) 2-Hexanone                | 7.435  | 43   | 310521   | 8.118  | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.224  | 164  | 119424   | 8.827  | ppbv   | 94       |
| 53) Toluene                   | 6.933  | 91   | 419462   | 9.986  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.652  | 107  | 186231   | 9.792  | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 182712   | 9.886  | ppbv   | 97       |
| 57) Chlorobenzene             | 8.920  | 112  | 304533   | 9.589  | ppbv   | 96       |
| 58) Ethyl Benzene             | 9.354  | 91   | 583515   | 9.645  | ppbv   | 99       |
| 59) m/p-Xylene                | 9.532  | 91   | 932801m  | 19.139 | ppbv   |          |
| 60) o-Xylene                  | 9.966  | 91   | 464522   | 9.465  | ppbv   | 99       |
| 61) Styrene                   | 9.872  | 104  | 229869   | 9.813  | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.539 | 105  | 685965   | 9.520  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.962  | 83   | 279007   | 8.773  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.992 | 120  | 172654   | 9.533  | ppbv   | 99       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 609500   | 9.203  | ppbv   | 93       |
| 66) Benzyl Chloride           | 11.613 | 91   | 63051    | 8.664  | ppbv   | 95       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 853807   | 9.268  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 737861   | 9.220  | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 771461   | 9.255  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 543794   | 9.622  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.124 | 105  | 563136   | 9.385  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.205 | 105  | 486583   | 9.186  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 531576   | 8.592  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 297157   | 9.240  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.671 | 146  | 297697   | 9.210  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 289284   | 9.251  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 276960   | 8.771  | ppbv   | 100      |
| 79) Naphthalene               | 13.513 | 128  | 647349   | 8.750  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 350259   | 8.307  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 290260   | 9.136  | ppbv   | 99       |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042356.D  
 Acq On : 17 Apr 2025 13:43  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL041725

Quant Time: Apr 18 02:15:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000  | 0.0   | 91    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.767 | 1.734  | 1.9   | 95    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.682 | 1.676  | 0.4   | 97    | 0.00     |
| 4    | Chloromethane               | 0.699 | 0.685  | 2.0   | 95    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.761 | 0.663  | 12.9  | 94    | 0.00     |
| 6 T  | Bromomethane                | 0.327 | 0.308  | 5.8   | 92    | 0.00     |
| 7    | Chloroethane                | 0.275 | 0.265  | 3.6   | 95    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.517 | 1.516  | 0.1   | 96    | 0.00     |
| 9 T  | Propene                     | 0.766 | 0.742  | 3.1   | 98    | 0.00     |
| 10 T | Heptane                     | 2.153 | 1.946  | 9.6   | 94    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.680 | 1.648  | 1.9   | 96    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.374 | 1.303  | 5.2   | 92    | 0.00     |
| 13   | Ethanol                     | 0.122 | 0.037# | 69.7# | 94    | 0.00     |
| 14 T | Bromoethene                 | 0.518 | 0.512  | 1.2   | 95    | 0.00     |
| 15 T | Acetone                     | 1.637 | 1.392  | 15.0  | 100   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.783 | 0.691  | 11.7  | 96    | 0.00     |
| 17   | tert-Butyl alcohol          | 2.029 | 1.921  | 5.3   | 97    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.642 | 0.596  | 7.2   | 93    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.909 | 0.845  | 7.0   | 94    | 0.00     |
| 20 T | Methylene Chloride          | 0.641 | 0.519  | 19.0  | 95    | 0.00     |
| 21 T | Allyl Chloride              | 1.130 | 1.059  | 6.3   | 99    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.731 | 0.685  | 6.3   | 94    | 0.00     |
| 23 T | Vinyl Acetate               | 0.663 | 0.644  | 2.9   | 105   | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.388 | 1.365  | 1.7   | 97    | 0.00     |
| 25 T | Ethyl Acetate               | 4.036 | 3.939  | 2.4   | 97    | 0.00     |
| 26 T | Hexane                      | 1.633 | 1.542  | 5.6   | 98    | 0.00     |
| 27 T | Carbon Disulfide            | 1.749 | 1.677  | 4.1   | 91    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.070 | 1.011  | 5.5   | 98    | 0.00     |
| 29 T | Chloroform                  | 2.309 | 2.288  | 0.9   | 97    | 0.00     |
| 30 T | Cyclohexane                 | 1.320 | 1.300  | 1.5   | 94    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.553 | 1.579  | -1.7  | 98    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 2.599 | 2.426  | 6.7   | 97    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 89    | 0.00     |
| 34 T | 2-Butanone                  | 0.791 | 0.767  | 3.0   | 99    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.905 | 0.838  | 7.4   | 96    | 0.00     |
| 36 T | Benzene                     | 1.079 | 1.080  | -0.1  | 95    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.647 | 0.653  | -0.9  | 98    | 0.00     |
| 38 T | Trichloroethene             | 0.471 | 0.431  | 8.5   | 97    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.402 | 0.398  | 1.0   | 95    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.221 | 0.190  | 14.0  | 92    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.461 | 0.437  | 5.2   | 95    | 0.00     |
| 42 T | Bromodichloromethane        | 0.901 | 0.915  | -1.6  | 95    | 0.00     |
| 43   | Methyl Methacrylate         | 0.486 | 0.460  | 5.3   | 95    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.863 | 1.868  | -0.3  | 97    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.497 | 0.495  | 0.4   | 96    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 0.608 | 0.617  | -1.5  | 96    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 0.410 | 0.418  | -2.0  | 98    | 0.00     |
| 48 T | Dibromochloromethane        | 0.723 | 0.731  | -1.1  | 95    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042356.D  
 Acq On : 17 Apr 2025 13:43  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL041725

Quant Time: Apr 18 02:15:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|---------------------------|-------|-------|------|-------|----------|
| 49 T | Bromoform                 | 0.633 | 0.634 | -0.2 | 91    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 1.314 | 1.159 | 11.8 | 95    | 0.00     |
| 51 T | 2-Hexanone                | 1.179 | 0.957 | 18.8 | 95    | 0.00     |
| 52 T | Tetrachloroethene         | 0.417 | 0.368 | 11.8 | 91    | 0.00     |
| 53 T | Toluene                   | 1.294 | 1.293 | 0.1  | 96    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.586 | 0.574 | 2.0  | 94    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0  | 90    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.605 | 0.598 | 1.2  | 98    | 0.00     |
| 57 T | Chlorobenzene             | 1.040 | 0.997 | 4.1  | 94    | 0.00     |
| 58 T | Ethyl Benzene             | 1.981 | 1.911 | 3.5  | 94    | 0.00     |
| 59 T | m/p-Xylene                | 1.596 | 1.527 | 4.3  | 95    | -0.02    |
| 60 T | o-Xylene                  | 1.607 | 1.521 | 5.4  | 95    | 0.00     |
| 61 T | Styrene                   | 0.767 | 0.753 | 1.8  | 94    | 0.00     |
| 62   | Isopropylbenzene          | 2.360 | 2.246 | 4.8  | 93    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 1.042 | 0.914 | 12.3 | 95    | 0.00     |
| 64   | n-propylbenzene           | 0.593 | 0.565 | 4.7  | 94    | 0.00     |
| 65   | tert-Butylbenzene         | 2.169 | 1.996 | 8.0  | 95    | 0.00     |
| 66 T | Benzyl Chloride           | 0.238 | 0.206 | 13.4 | 76    | 0.00     |
| 67   | sec-Butylbenzene          | 3.017 | 2.796 | 7.3  | 95    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.822 | 0.819 | 0.4  | 89    | 0.00     |
| 69   | p-Isopropyltoluene        | 2.621 | 2.416 | 7.8  | 95    | 0.00     |
| 70   | n-Butylbenzene            | 2.730 | 2.526 | 7.5  | 96    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.851 | 1.781 | 3.8  | 95    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.965 | 1.844 | 6.2  | 94    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.735 | 1.593 | 8.2  | 95    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 2.026 | 1.741 | 14.1 | 94    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 1.053 | 0.973 | 7.6  | 93    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 1.059 | 0.975 | 7.9  | 93    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 1.024 | 0.947 | 7.5  | 95    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 1.034 | 0.907 | 12.3 | 95    | 0.00     |
| 79 T | Naphthalene               | 2.423 | 2.120 | 12.5 | 96    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 1.381 | 1.147 | 16.9 | 93    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 1.040 | 0.951 | 8.6  | 95    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1844 SAS No.: Q1844 SDG No.: Q1844

Instrument ID: MSVOA\_L Calibration Date/Time: 04/21/2025 08:41

Lab File ID: VL042395.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

GC Column: RTX-1 ID: 0.32 (mm)

| COMPOUND                | RRF   | RRF010 | MIN<br>RRF | %D     | MAX%D |
|-------------------------|-------|--------|------------|--------|-------|
| Vinyl Chloride          | 0.761 | 0.665  |            | -12.61 | 30    |
| 1,1-Dichloroethane      | 1.388 | 1.305  |            | -5.98  | 30    |
| cis-1,2-Dichloroethene  | 1.553 | 1.406  |            | -9.47  | 30    |
| 1,1,1-Trichloroethane   | 2.599 | 2.413  |            | -7.16  | 30    |
| Trichloroethene         | 0.471 | 0.368  |            | -21.87 | 30    |
| Tetrachloroethene       | 0.417 | 0.312  |            | -25.18 | 30    |
| 1-Bromo-4-Fluorobenzene | 0.822 | 0.882  |            | 7.3    | 30    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042395.D  
 Acq On : 21 Apr 2025 08:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025  
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 118349   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.952 | 114  | 334726   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.875 | 117  | 297161   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 262155 10.736 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.400%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.496 | 85  | 214405 | 10.253 | ppbv   | 95     |
| 3) Chlorodifluoromethane      | 1.473 | 51  | 172276 | 8.652  | ppbv   | 96     |
| 4) Chloromethane              | 1.531 | 50  | 78242  | 9.455  | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.576 | 62  | 78692  | 8.736  | ppbv   | 98     |
| 6) Bromomethane               | 1.664 | 94  | 36698  | 9.484  | ppbv   | 92     |
| 7) Chloroethane               | 1.703 | 64  | 31945  | 9.806  | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 1.551 | 85  | 182317 | 10.155 | ppbv   | 94     |
| 9) Propene                    | 1.483 | 41  | 67297  | 7.422  | ppbv   | 98     |
| 10) Heptane                   | 4.972 | 43  | 178981 | 7.026  | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 1.874 | 101 | 205368 | 10.328 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 154701 | 9.515  | ppbv   | 99     |
| 13) Ethanol                   | 1.719 | 45  | 4511   | 3.130  | ppbv   | 88     |
| 14) Bromoethene               | 1.780 | 108 | 59325  | 9.680  | ppbv   | 98     |
| 15) Acetone                   | 1.832 | 43  | 168061 | 8.675  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.606 | 39  | 81189  | 8.762  | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.036 | 59  | 221320 | 9.218  | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.030 | 96  | 70214  | 9.244  | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 98218  | 9.126  | ppbv   | 94     |
| 20) Methylene Chloride        | 2.059 | 84  | 60052  | 7.915  | ppbv   | 92     |
| 21) Allyl Chloride            | 2.091 | 41  | 121139 | 9.056  | ppbv   | 97     |
| 22) trans-1,2-Dichloroethene  | 2.337 | 96  | 79496  | 9.192  | ppbv   | 92     |
| 23) Vinyl Acetate             | 2.457 | 43  | 57298  | 7.306  | ppbv   | 97     |
| 24) 1,1-Dichloroethane        | 2.405 | 63  | 154500 | 9.405  | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.832 | 43  | 392210 | 8.211  | ppbv   | 99     |
| 26) Hexane                    | 2.823 | 57  | 150573 | 7.789  | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.146 | 76  | 199908 | 9.658  | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 2.437 | 73  | 106569 | 8.414  | ppbv   | 95     |
| 29) Chloroform                | 2.845 | 83  | 259635 | 9.502  | ppbv   | 98     |
| 30) Cyclohexane               | 3.852 | 84  | 126496 | 8.095  | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 2.716 | 61  | 166357 | 9.051  | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.363 | 97  | 285590 | 9.284  | ppbv   | 99     |
| 34) 2-Butanone                | 2.554 | 43  | 220144 | 8.316  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.755 | 117 | 291229 | 9.614  | ppbv   | 91     |
| 36) Benzene                   | 3.651 | 78  | 303987 | 8.420  | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.214 | 62  | 221151 | 10.206 | ppbv   | 97     |
| 38) Trichloroethene           | 4.541 | 130 | 123150 | 7.804  | ppbv   | 94     |
| 39) 1,2-Dichloropropane       | 4.305 | 63  | 107877 | 8.018  | ppbv # | 88     |
| 40) 1,4-Dioxane               | 4.574 | 88  | 53874  | 7.286  | ppbv # | 94     |
| 41) Tetrahydrofuran           | 3.049 | 42  | 118863 | 7.701  | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.483 | 83  | 295552 | 9.800  | ppbv   | 98     |
| 43) Methyl Methacrylate       | 4.875 | 69  | 124747 | 7.667  | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane    | 4.629 | 57  | 507437 | 8.138  | ppbv   | 95     |
| 45) t-1,3-Dichloropropene     | 6.406 | 75  | 142879 | 8.596  | ppbv   | 96     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042395.D  
 Acq On : 21 Apr 2025 08:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

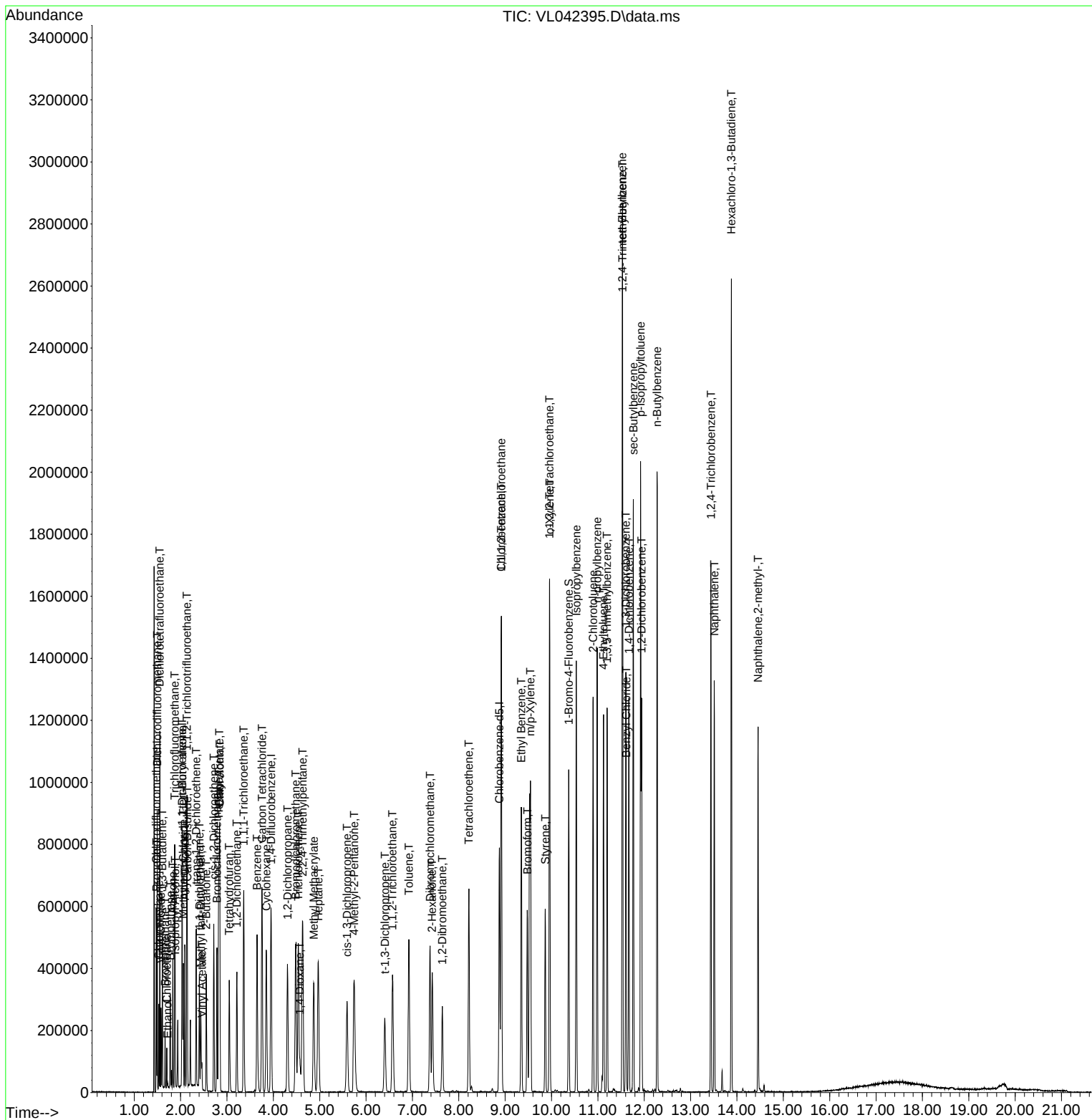
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.590  | 75   | 174844   | 8.595  | ppbv   | 88       |
| 47) 1,1,2-Trichloroethane     | 6.571  | 97   | 119399   | 8.711  | ppbv   | 92       |
| 48) Dibromochloromethane      | 7.380  | 129  | 229466   | 9.476  | ppbv   | 99       |
| 49) Bromoform                 | 9.480  | 173  | 187094   | 8.836  | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.742  | 43   | 321752   | 7.314  | ppbv   | 99       |
| 51) 2-Hexanone                | 7.425  | 43   | 260009   | 6.590  | ppbv # | 95       |
| 52) Tetrachloroethene         | 8.218  | 164  | 104294   | 7.474  | ppbv   | 90       |
| 53) Toluene                   | 6.923  | 91   | 355540   | 8.206  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.642  | 107  | 169774   | 8.654  | ppbv   | 91       |
| 56) 1,1,1,2-Tetrachloroethane | 8.917  | 131  | 170285   | 9.468  | ppbv   | 96       |
| 57) Chlorobenzene             | 8.917  | 112  | 276428   | 8.944  | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.348  | 91   | 517937   | 8.797  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.545  | 91   | 847455m  | 17.868 | ppbv   |          |
| 60) o-Xylene                  | 9.959  | 91   | 433569   | 9.078  | ppbv   | 96       |
| 61) Styrene                   | 9.866  | 104  | 192729   | 8.454  | ppbv   | 96       |
| 62) Isopropylbenzene          | 10.535 | 105  | 625514   | 8.920  | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.956  | 83   | 250238   | 8.085  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.985 | 120  | 154114   | 8.744  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.526 | 119  | 570548   | 8.853  | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.610 | 91   | 57090    | 8.061  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.765 | 105  | 797738   | 8.899  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.921 | 119  | 684482   | 8.789  | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.277 | 91   | 720062   | 8.877  | ppbv   | 97       |
| 71) 2-Chlorotoluene           | 10.898 | 91   | 493192   | 8.967  | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.121 | 105  | 521390   | 8.929  | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 11.199 | 105  | 451158   | 8.752  | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 11.532 | 105  | 502117   | 8.340  | ppbv # | 87       |
| 75) 1,3-Dichlorobenzene       | 11.604 | 146  | 264024   | 8.436  | ppbv   | 97       |
| 76) 1,4-Dichlorobenzene       | 11.668 | 146  | 265655   | 8.445  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.943 | 146  | 260133   | 8.548  | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 245910   | 8.002  | ppbv   | 99       |
| 79) Naphthalene               | 13.510 | 128  | 570593   | 7.925  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.455 | 142  | 304139   | 7.412  | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 250801   | 8.112  | ppbv   | 99       |

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

## Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042395.D  
 Acq On : 21 Apr 2025 08:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000  | 0.0   | 94    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.767 | 1.812  | -2.5  | 103   | 0.00     |
| 3    | Chlorodifluoromethane       | 1.682 | 1.456  | 13.4  | 87    | 0.00     |
| 4    | Chloromethane               | 0.699 | 0.661  | 5.4   | 96    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.761 | 0.665  | 12.6  | 98    | 0.00     |
| 6 T  | Bromomethane                | 0.327 | 0.310  | 5.2   | 96    | 0.00     |
| 7    | Chloroethane                | 0.275 | 0.270  | 1.8   | 101   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.517 | 1.541  | -1.6  | 101   | 0.00     |
| 9 T  | Propene                     | 0.766 | 0.569  | 25.7  | 78    | 0.00     |
| 10 T | Heptane                     | 2.153 | 1.512  | 29.8  | 76    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.680 | 1.735  | -3.3  | 104   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.374 | 1.307  | 4.9   | 96    | 0.00     |
| 13   | Ethanol                     | 0.122 | 0.038# | 68.9# | 102   | 0.00     |
| 14 T | Bromoethene                 | 0.518 | 0.501  | 3.3   | 96    | 0.00     |
| 15 T | Acetone                     | 1.637 | 1.420  | 13.3  | 106   | 0.00     |
| 16 T | 1,3-Butadiene               | 0.783 | 0.686  | 12.4  | 99    | 0.00     |
| 17   | tert-Butyl alcohol          | 2.029 | 1.870  | 7.8   | 98    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.642 | 0.593  | 7.6   | 96    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.909 | 0.830  | 8.7   | 95    | 0.00     |
| 20 T | Methylene Chloride          | 0.641 | 0.507  | 20.9  | 96    | 0.00     |
| 21 T | Allyl Chloride              | 1.130 | 1.024  | 9.4   | 99    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.731 | 0.672  | 8.1   | 95    | 0.00     |
| 23 T | Vinyl Acetate               | 0.663 | 0.484  | 27.0  | 82    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.388 | 1.305  | 6.0   | 96    | 0.00     |
| 25 T | Ethyl Acetate               | 4.036 | 3.314  | 17.9  | 85    | 0.00     |
| 26 T | Hexane                      | 1.633 | 1.272  | 22.1  | 84    | 0.00     |
| 27 T | Carbon Disulfide            | 1.749 | 1.689  | 3.4   | 96    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 1.070 | 0.900  | 15.9  | 90    | 0.00     |
| 29 T | Chloroform                  | 2.309 | 2.194  | 5.0   | 96    | 0.00     |
| 30 T | Cyclohexane                 | 1.320 | 1.069  | 19.0  | 81    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.553 | 1.406  | 9.5   | 91    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 2.599 | 2.413  | 7.2   | 100   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0   | 91    | 0.00     |
| 34 T | 2-Butanone                  | 0.791 | 0.658  | 16.8  | 87    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.905 | 0.870  | 3.9   | 103   | 0.00     |
| 36 T | Benzene                     | 1.079 | 0.908  | 15.8  | 83    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.647 | 0.661  | -2.2  | 102   | 0.00     |
| 38 T | Trichloroethene             | 0.471 | 0.368  | 21.9  | 85    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.402 | 0.322  | 19.9  | 80    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.221 | 0.161  | 27.1  | 81    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.461 | 0.355  | 23.0  | 79    | 0.00     |
| 42 T | Bromodichloromethane        | 0.901 | 0.883  | 2.0   | 95    | 0.00     |
| 43   | Methyl Methacrylate         | 0.486 | 0.373  | 23.3  | 79    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.863 | 1.516  | 18.6  | 81    | -0.01    |
| 45 T | t-1,3-Dichloropropene       | 0.497 | 0.427  | 14.1  | 85    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 0.608 | 0.522  | 14.1  | 84    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 0.410 | 0.357  | 12.9  | 87    | 0.00     |
| 48 T | Dibromochloromethane        | 0.723 | 0.686  | 5.1   | 92    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042395.D  
 Acq On : 21 Apr 2025 08:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|---------------------------|-------|-------|-------|-------|----------|
| 49 T | Bromoform                 | 0.633 | 0.559 | 11.7  | 83    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 1.314 | 0.961 | 26.9  | 81    | 0.00     |
| 51 T | 2-Hexanone                | 1.179 | 0.777 | 34.1# | 79    | 0.00     |
| 52 T | Tetrachloroethene         | 0.417 | 0.312 | 25.2  | 80    | 0.00     |
| 53 T | Toluene                   | 1.294 | 1.062 | 17.9  | 81    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.586 | 0.507 | 13.5  | 86    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.605 | 0.573 | 5.3   | 92    | 0.00     |
| 57 T | Chlorobenzene             | 1.040 | 0.930 | 10.6  | 86    | 0.00     |
| 58 T | Ethyl Benzene             | 1.981 | 1.743 | 12.0  | 84    | 0.00     |
| 59 T | m/p-Xylene                | 1.596 | 1.426 | 10.7  | 86    | 0.00     |
| 60 T | o-Xylene                  | 1.607 | 1.459 | 9.2   | 89    | 0.00     |
| 61 T | Styrene                   | 0.767 | 0.649 | 15.4  | 79    | 0.00     |
| 62   | Isopropylbenzene          | 2.360 | 2.105 | 10.8  | 85    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 1.042 | 0.842 | 19.2  | 85    | 0.00     |
| 64   | n-propylbenzene           | 0.593 | 0.519 | 12.5  | 84    | 0.00     |
| 65   | tert-Butylbenzene         | 2.169 | 1.920 | 11.5  | 88    | 0.00     |
| 66 T | Benzyl Chloride           | 0.238 | 0.192 | 19.3  | 69    | 0.00     |
| 67   | sec-Butylbenzene          | 3.017 | 2.685 | 11.0  | 89    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.822 | 0.882 | -7.3  | 93    | 0.00     |
| 69   | p-Isopropyltoluene        | 2.621 | 2.303 | 12.1  | 88    | 0.00     |
| 70   | n-Butylbenzene            | 2.730 | 2.423 | 11.2  | 90    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.851 | 1.660 | 10.3  | 86    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.965 | 1.755 | 10.7  | 87    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.735 | 1.518 | 12.5  | 88    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 2.026 | 1.690 | 16.6  | 89    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 1.053 | 0.888 | 15.7  | 82    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 1.059 | 0.894 | 15.6  | 83    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 1.024 | 0.875 | 14.6  | 85    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 1.034 | 0.828 | 19.9  | 84    | 0.00     |
| 79 T | Naphthalene               | 2.423 | 1.920 | 20.8  | 84    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 1.381 | 1.023 | 25.9  | 81    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 1.040 | 0.844 | 18.8  | 82    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042395.D  
 Acq On : 21 Apr 2025 08:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0   | 94    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 10.253 | -2.5  | 103   | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 8.652  | 13.5  | 87    | 0.00     |
| 4    | Chloromethane               | 10.000 | 9.455  | 5.4   | 96    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 8.736  | 12.6  | 98    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 9.484  | 5.2   | 96    | 0.00     |
| 7    | Chloroethane                | 10.000 | 9.806  | 1.9   | 101   | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 10.155 | -1.5  | 101   | 0.00     |
| 9 T  | Propene                     | 10.000 | 7.422  | 25.8  | 78    | 0.00     |
| 10 T | Heptane                     | 10.000 | 7.026  | 29.7  | 76    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 10.328 | -3.3  | 104   | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 9.515  | 4.8   | 96    | 0.00     |
| 13   | Ethanol                     | 10.000 | 3.130  | 68.7# | 102   | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.680  | 3.2   | 96    | 0.00     |
| 15 T | Acetone                     | 10.000 | 8.675  | 13.2  | 106   | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 8.762  | 12.4  | 99    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 9.218  | 7.8   | 98    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.244  | 7.6   | 96    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 9.126  | 8.7   | 95    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 7.915  | 20.8  | 96    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 9.056  | 9.4   | 99    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 9.192  | 8.1   | 95    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 7.306  | 26.9  | 82    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 9.405  | 6.0   | 96    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 8.211  | 17.9  | 85    | 0.00     |
| 26 T | Hexane                      | 10.000 | 7.789  | 22.1  | 84    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 9.658  | 3.4   | 96    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 8.414  | 15.9  | 90    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.502  | 5.0   | 96    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 8.095  | 19.0  | 81    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.051  | 9.5   | 91    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.284  | 7.2   | 100   | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0   | 91    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 8.316  | 16.8  | 87    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.614  | 3.9   | 103   | 0.00     |
| 36 T | Benzene                     | 10.000 | 8.420  | 15.8  | 83    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 10.206 | -2.1  | 102   | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 7.804  | 22.0  | 85    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 8.018  | 19.8  | 80    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 7.286  | 27.1  | 81    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 7.701  | 23.0  | 79    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.800  | 2.0   | 95    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 7.667  | 23.3  | 79    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 8.138  | 18.6  | 81    | -0.01    |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 8.596  | 14.0  | 85    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 8.595  | 14.0  | 84    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 8.711  | 12.9  | 87    | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 9.476  | 5.2   | 92    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042395.D  
 Acq On : 21 Apr 2025 08:41  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 LabSampleId :  
 VSTDCCC010

Quant Time: Apr 22 02:50:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|---------------------------|--------|--------|-------|-------|----------|
| 49 T | Bromoform                 | 10.000 | 8.836  | 11.6  | 83    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 10.000 | 7.314  | 26.9  | 81    | 0.00     |
| 51 T | 2-Hexanone                | 10.000 | 6.590  | 34.1# | 79    | 0.00     |
| 52 T | Tetrachloroethene         | 10.000 | 7.474  | 25.3  | 80    | 0.00     |
| 53 T | Toluene                   | 10.000 | 8.206  | 17.9  | 81    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 10.000 | 8.654  | 13.5  | 86    | 0.00     |
| 55 I | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0   | 88    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 10.000 | 9.468  | 5.3   | 92    | 0.00     |
| 57 T | Chlorobenzene             | 10.000 | 8.944  | 10.6  | 86    | 0.00     |
| 58 T | Ethyl Benzene             | 10.000 | 8.797  | 12.0  | 84    | 0.00     |
| 59 T | m/p-Xylene                | 20.000 | 17.868 | 10.7  | 86    | 0.00     |
| 60 T | o-Xylene                  | 10.000 | 9.078  | 9.2   | 89    | 0.00     |
| 61 T | Styrene                   | 10.000 | 8.454  | 15.5  | 79    | 0.00     |
| 62   | Isopropylbenzene          | 10.000 | 8.920  | 10.8  | 85    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 10.000 | 8.085  | 19.1  | 85    | 0.00     |
| 64   | n-propylbenzene           | 10.000 | 8.744  | 12.6  | 84    | 0.00     |
| 65   | tert-Butylbenzene         | 10.000 | 8.853  | 11.5  | 88    | 0.00     |
| 66 T | Benzyl Chloride           | 10.000 | 8.061  | 19.4  | 69    | 0.00     |
| 67   | sec-Butylbenzene          | 10.000 | 8.899  | 11.0  | 89    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.736 | -7.4  | 93    | 0.00     |
| 69   | p-Isopropyltoluene        | 10.000 | 8.789  | 12.1  | 88    | 0.00     |
| 70   | n-Butylbenzene            | 10.000 | 8.877  | 11.2  | 90    | 0.00     |
| 71   | 2-Chlorotoluene           | 10.000 | 8.967  | 10.3  | 86    | 0.00     |
| 72 T | 4-Ethyltoluene            | 10.000 | 8.929  | 10.7  | 87    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 10.000 | 8.752  | 12.5  | 88    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 10.000 | 8.340  | 16.6  | 89    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 10.000 | 8.436  | 15.6  | 82    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 10.000 | 8.445  | 15.5  | 83    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 10.000 | 8.548  | 14.5  | 85    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 10.000 | 8.002  | 20.0  | 84    | 0.00     |
| 79 T | Naphthalene               | 10.000 | 7.925  | 20.8  | 84    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 10.000 | 7.412  | 25.9  | 81    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 10.000 | 8.112  | 18.9  | 82    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



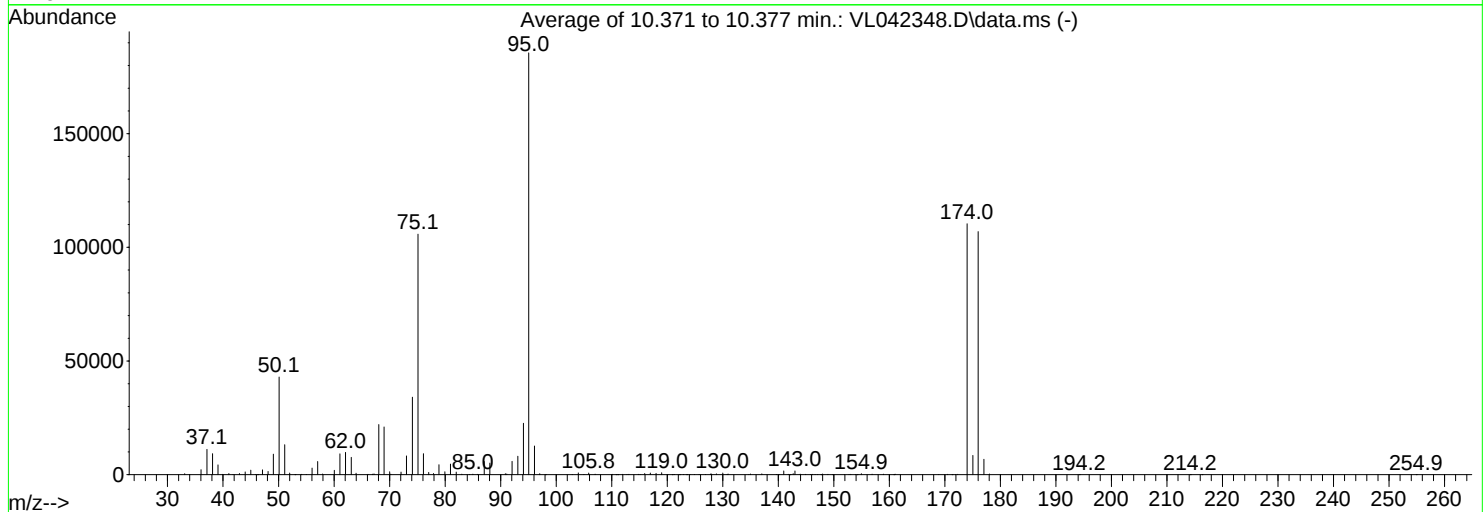
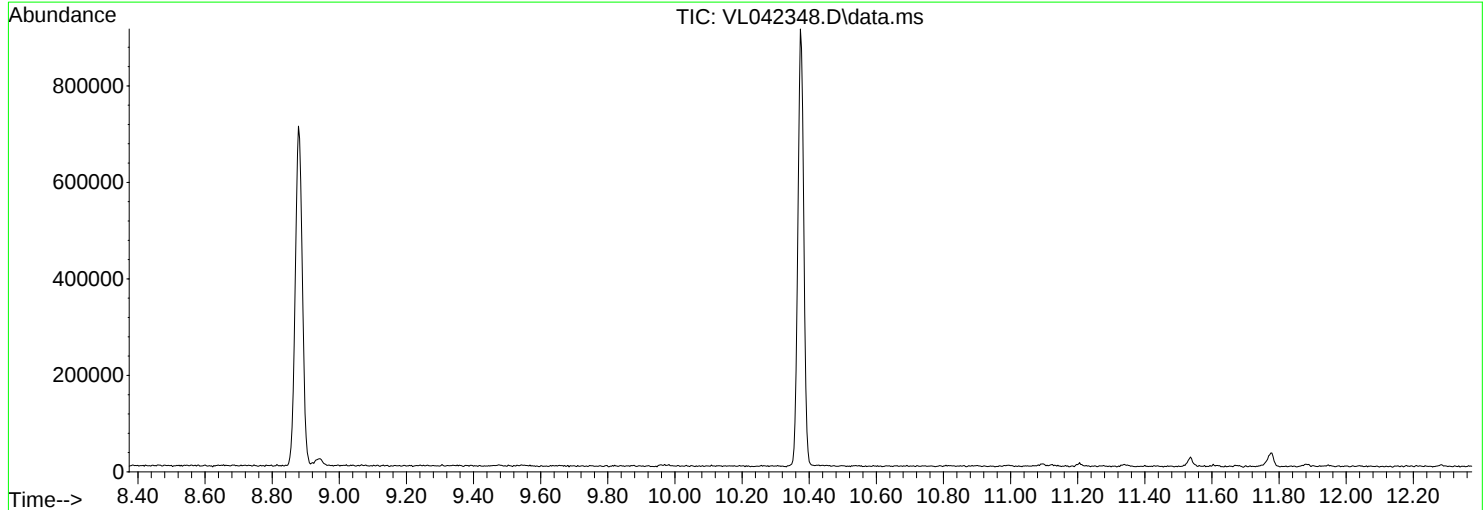
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
Data File : VL042348.D  
Acq On : 17 Apr 2025 07:50  
Operator : SY/MD  
Sample : BFB  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3162

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 8               | 40              | 23.1         | 42933      | PASS                |
| 75             | 95              | 30              | 66              | 57.0         | 105781     | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 185564     | PASS                |
| 96             | 95              | 5               | 9               | 6.8          | 12627      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 174            | 95              | 50              | 120             | 59.5         | 110360     | PASS                |
| 175            | 174             | 4               | 9               | 7.6          | 8420       | PASS                |
| 176            | 174             | 93              | 101             | 96.9         | 106933     | PASS                |
| 177            | 176             | 5               | 9               | 6.3          | 6744       | PASS                |

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z   | abund. | m/z   | abund. | m/z   | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 33.10 | 400    | 45.00 | 1996   | 55.00 | 78     | 67.20 | 32     |
| 34.00 | 54     | 45.90 | 94     | 56.05 | 2900   | 68.05 | 2203   |
| 36.05 | 2214   | 46.20 | 34     | 57.05 | 5754   | 69.00 | 2101   |
| 37.10 | 11145  | 47.10 | 2100   | 57.95 | 265    | 70.00 | 130    |
| 38.10 | 9197   | 48.10 | 1438   | 60.05 | 1919   | 70.20 | 209    |
| 39.10 | 4289   | 49.05 | 9045   | 61.05 | 9155   | 72.05 | 1141   |
| 39.95 | 158    | 50.10 | 42933  | 62.05 | 9788   | 73.05 | 8240   |
| 41.05 | 513    | 51.10 | 13188  | 63.10 | 7593   | 74.10 | 34064  |
| 41.80 | 79     | 52.00 | 718    | 63.95 | 632    | 75.10 | 105781 |
| 42.95 | 504    | 52.95 | 9      | 66.10 | 115    | 76.10 | 9240   |
| 44.00 | 1207   | 54.15 | 112    | 66.90 | 196    | 77.05 | 979    |

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 77.90 | 494    | 90.85  | 447    | 105.00 | 95     | 115.95 | 528    |
| 78.90 | 4344   | 91.10  | 262    | 105.85 | 680    | 116.95 | 712    |
| 79.95 | 1296   | 92.05  | 5876   | 107.00 | 225    | 118.00 | 575    |
| 80.95 | 4648   | 93.10  | 8069   | 110.10 | 136    | 119.00 | 881    |
| 82.00 | 1107   | 94.10  | 22619  | 110.80 | 37     | 120.10 | 70     |
| 83.00 | 249    | 95.05  | 185564 | 111.10 | 8      | 120.90 | 30     |
| 84.40 | 55     | 96.10  | 12627  | 111.95 | 156    | 121.30 | 47     |
| 85.00 | 227    | 97.05  | 457    | 112.75 | 77     | 122.20 | 21     |
| 85.85 | 131    | 98.05  | 5      | 113.10 | 144    | 122.95 | 44     |
| 87.05 | 5767   | 102.90 | 78     | 114.80 | 135    | 123.50 | 25     |
| 88.05 | 5057   | 104.00 | 767    | 115.10 | 50     | 124.10 | 89     |

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 124.90 | 71     | 137.05 | 364    | 146.15 | 158    | 153.90 | 93     |
| 125.75 | 72     | 139.65 | 74     | 146.65 | 58     | 154.20 | 27     |
| 126.90 | 80     | 140.00 | 38     | 147.10 | 68     | 154.95 | 399    |
| 127.80 | 297    | 141.00 | 1612   | 147.70 | 38     | 156.90 | 228    |
| 128.00 | 275    | 141.80 | 139    | 148.00 | 288    | 158.95 | 203    |
| 128.85 | 366    | 142.10 | 34     | 148.95 | 115    | 160.80 | 26     |
| 130.00 | 693    | 142.70 | 434    | 149.80 | 37     | 161.05 | 186    |
| 130.80 | 55     | 143.00 | 1656   | 149.95 | 79     | 168.90 | 83     |
| 130.95 | 285    | 143.95 | 200    | 151.90 | 60     | 170.50 | 119    |
| 134.70 | 94     | 144.95 | 161    | 152.75 | 91     | 171.30 | 19     |
| 135.00 | 292    | 145.80 | 67     | 153.05 | 144    | 171.90 | 90     |

Average of 10.371 to 10.377 min.: VL042348.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|-----|--------|-----|--------|-----|--------|
| 172.30 | 132    |     |        |     |        |     |        |
| 174.00 | 110360 |     |        |     |        |     |        |
| 175.05 | 8420   |     |        |     |        |     |        |
| 176.00 | 106933 |     |        |     |        |     |        |
| 177.05 | 6744   |     |        |     |        |     |        |
| 178.05 | 298    |     |        |     |        |     |        |
| 194.20 | 17     |     |        |     |        |     |        |
| 214.20 | 17     |     |        |     |        |     |        |
| 216.30 | 17     |     |        |     |        |     |        |
| 254.90 | 17     |     |        |     |        |     |        |

Instrument :

MSVOA\_L

ClientSampleId :

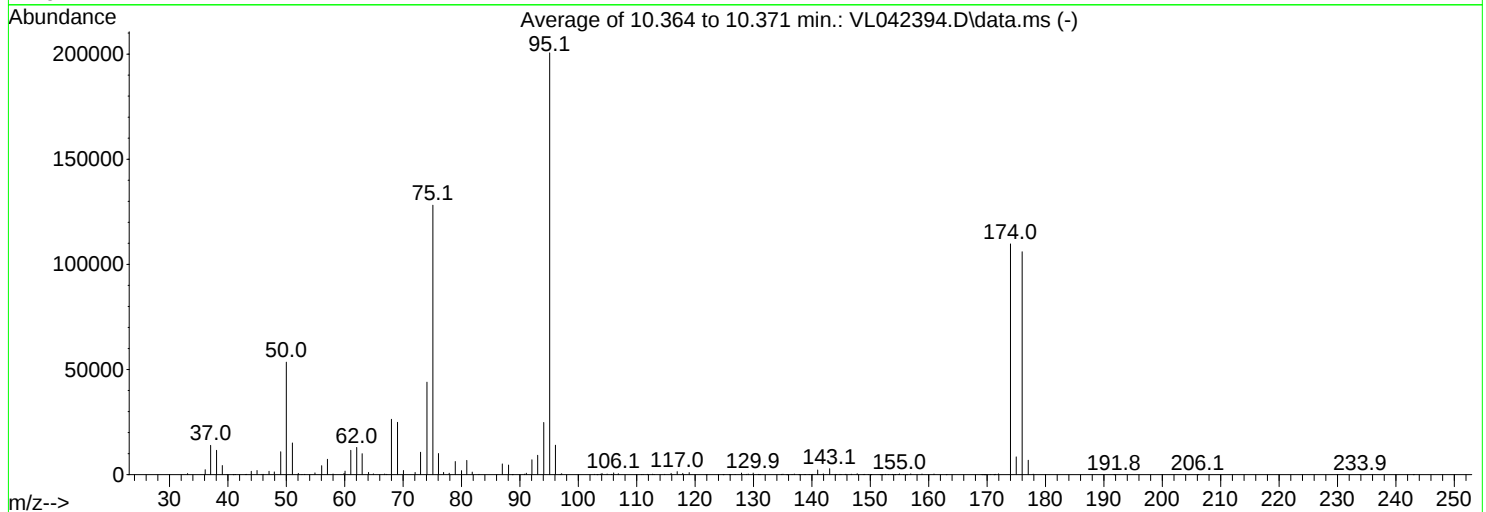
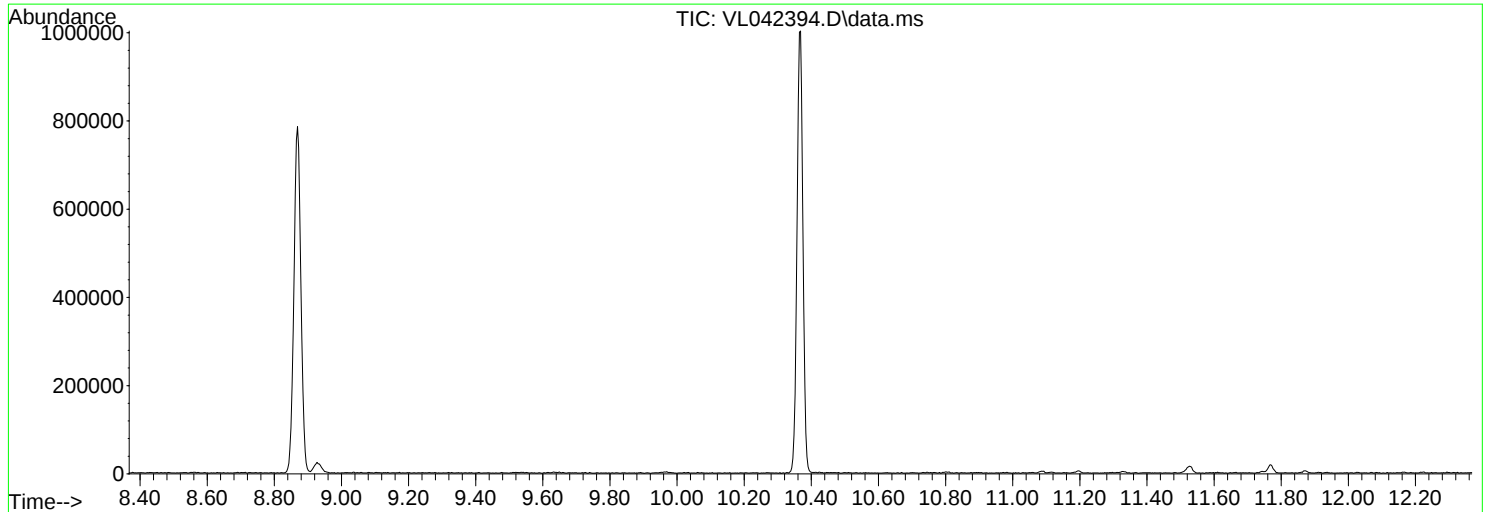
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
Data File : VL042394.D  
Acq On : 21 Apr 2025 07:58  
Operator : SY/MD  
Sample : BFB  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3175, 3176, 3177; Background Corrected with Scan 3159

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 8               | 40              | 26.7         | 53502      | PASS                |
| 75             | 95              | 30              | 66              | 63.9         | 128181     | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 200597     | PASS                |
| 96             | 95              | 5               | 9               | 7.0          | 13990      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 174            | 95              | 50              | 120             | 54.7         | 109757     | PASS                |
| 175            | 174             | 4               | 9               | 7.7          | 8464       | PASS                |
| 176            | 174             | 93              | 101             | 96.6         | 106032     | PASS                |
| 177            | 176             | 5               | 9               | 6.4          | 6826       | PASS                |

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z   | abund. | m/z   | abund. | m/z   | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 33.10 | 518    | 45.00 | 2010   | 54.90 | 832    | 66.85 | 304    |
| 36.10 | 2394   | 45.85 | 194    | 56.05 | 4237   | 67.20 | 163    |
| 37.05 | 13953  | 46.10 | 197    | 57.05 | 7329   | 68.00 | 2631   |
| 38.05 | 11556  | 47.05 | 1570   | 58.00 | 328    | 69.05 | 2485   |
| 39.05 | 4320   | 47.95 | 1283   | 59.90 | 593    | 70.05 | 2000   |
| 39.90 | 57     | 49.05 | 10899  | 60.05 | 1702   | 72.05 | 1049   |
| 40.90 | 31     | 50.00 | 53502  | 61.05 | 11547  | 73.00 | 10643  |
| 41.30 | 48     | 51.05 | 15046  | 62.05 | 12934  | 74.10 | 44016  |
| 43.00 | 64     | 52.05 | 608    | 63.00 | 9941   | 75.10 | 128181 |
| 43.20 | 184    | 52.70 | 76     | 64.10 | 1108   | 76.05 | 10068  |
| 44.00 | 1632   | 53.15 | 138    | 64.90 | 355    | 76.95 | 1033   |

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 77.90 | 700    | 91.10  | 697    | 104.05 | 598    | 114.80 | 178    |
| 78.95 | 6226   | 92.05  | 7067   | 104.95 | 278    | 115.90 | 632    |
| 80.00 | 1878   | 93.05  | 9194   | 105.70 | 188    | 116.95 | 1450   |
| 80.90 | 6765   | 94.10  | 24813  | 106.05 | 831    | 117.90 | 579    |
| 81.85 | 1186   | 95.10  | 200597 | 106.85 | 467    | 119.00 | 1019   |
| 83.00 | 184    | 96.10  | 13990  | 109.95 | 82     | 121.90 | 17     |
| 86.05 | 106    | 96.90  | 128    | 110.85 | 113    | 124.00 | 56     |
| 87.00 | 5101   | 97.15  | 433    | 111.10 | 91     | 124.80 | 25     |
| 88.05 | 4600   | 102.75 | 176    | 111.85 | 167    | 125.90 | 42     |
| 88.70 | 40     | 103.20 | 26     | 112.75 | 225    | 126.85 | 64     |
| 90.80 | 235    | 103.80 | 263    | 113.00 | 54     | 127.95 | 770    |

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 128.80 | 183    | 137.80 | 21     | 145.00 | 70     | 152.60 | 135    |
| 129.10 | 275    | 138.70 | 105    | 145.70 | 127    | 153.10 | 56     |
| 129.95 | 780    | 138.90 | 54     | 145.85 | 120    | 153.80 | 154    |
| 130.85 | 125    | 139.55 | 52     | 146.75 | 211    | 154.20 | 31     |
| 131.00 | 55     | 140.05 | 163    | 147.75 | 498    | 154.80 | 81     |
| 131.20 | 65     | 141.00 | 2199   | 148.80 | 55     | 155.00 | 397    |
| 134.80 | 172    | 141.95 | 402    | 149.05 | 129    | 155.70 | 99     |
| 135.05 | 261    | 143.05 | 2809   | 149.65 | 112    | 156.20 | 25     |
| 135.70 | 20     | 144.00 | 151    | 150.10 | 20     | 156.95 | 371    |
| 136.60 | 73     | 144.20 | 61     | 151.70 | 27     | 158.85 | 322    |
| 137.00 | 333    | 144.80 | 162    | 152.00 | 33     | 160.90 | 347    |

Average of 10.364 to 10.371 min.: VL042394.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z    | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 163.00 | 37     | 176.00 | 106032 |     |        |     |        |
| 169.00 | 59     | 177.05 | 6826   |     |        |     |        |
| 169.20 | 38     | 177.90 | 242    |     |        |     |        |
| 169.50 | 29     | 191.75 | 41     |     |        |     |        |
| 169.70 | 25     | 206.10 | 24     |     |        |     |        |
| 170.65 | 116    | 233.90 | 67     |     |        |     |        |
| 171.20 | 28     | 243.00 | 24     |     |        |     |        |
| 171.45 | 164    |        |        |     |        |     |        |
| 171.95 | 381    |        |        |     |        |     |        |
| 174.00 | 109757 |        |        |     |        |     |        |
| 175.00 | 8464   |        |        |     |        |     |        |

## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: |              |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  |              |
| Client Sample ID:  | VL0421ABL01                  | SDG No.:        | Q1844        |
| Lab Sample ID:     | VL0421ABL01                  | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400                          | Units:          | mL           |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042396.D        | 1         |           | 04/21/25 09:28 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 0.010         | 0.030          | U         | 0.030    | 0.080      | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 0.13          | 0.53           | U         | 0.53     | 2.02       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 0.090         | 0.36           | U         | 0.36     | 1.98       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 0.010         | 0.050          | U         | 0.050    | 0.16       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 0.020         | 0.11           | U         | 0.11     | 0.16       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 0.020         | 0.14           | U         | 0.14     | 0.20       | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.5          |                |           | 65 - 135 | 105%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 120000        |                |           | 2.784    |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 342000        |                |           | 3.952    |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 294000        |                |           | 8.878    |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042396.D  
 Acq On : 21 Apr 2025 09:28  
 Operator : SY/MD  
 Sample : VL0421ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0421ABL01

Quant Time: Apr 22 02:50:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 120411   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.952 | 114  | 341628   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 293743   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 252683   | 10.468   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.700% |

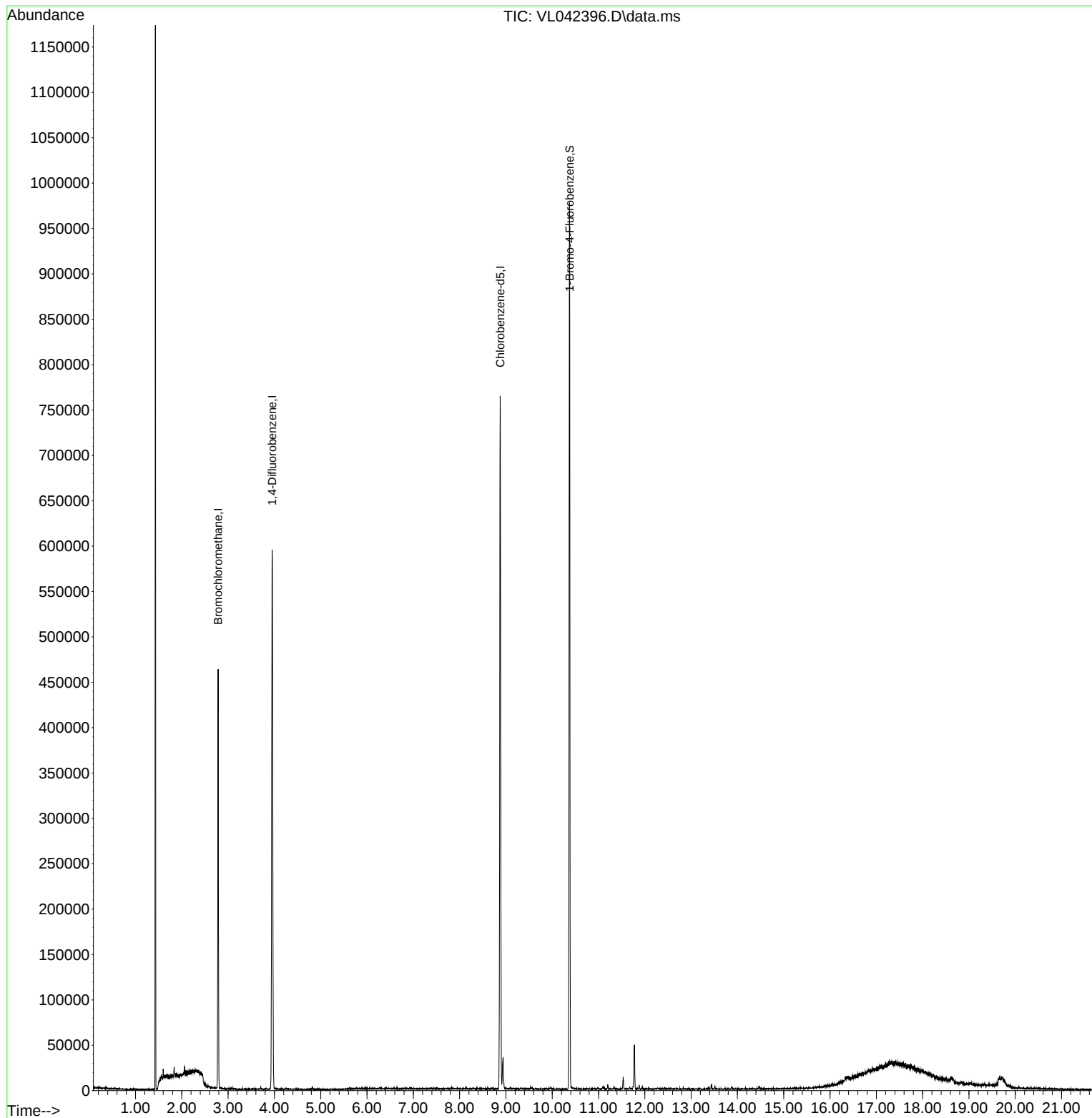
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

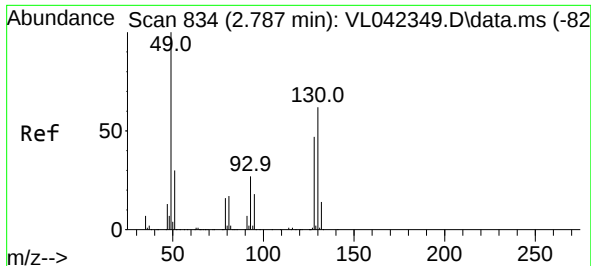
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
Data File : VL042396.D  
Acq On : 21 Apr 2025 09:28  
Operator : SY/MD  
Sample : VL0421ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0421ABL01

Quant Time: Apr 22 02:50:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration

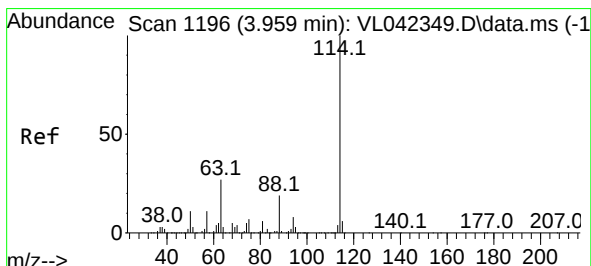
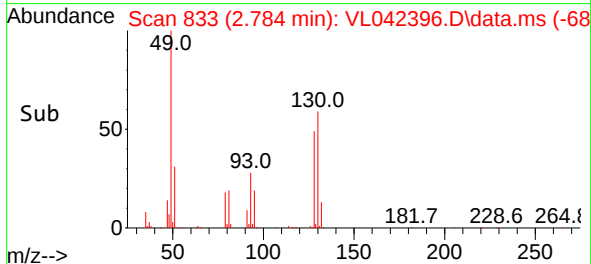
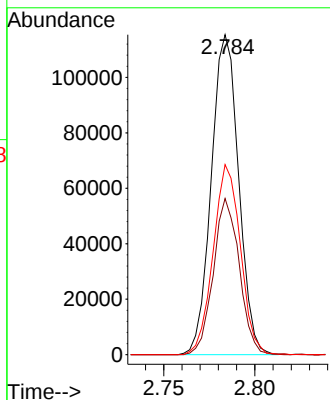
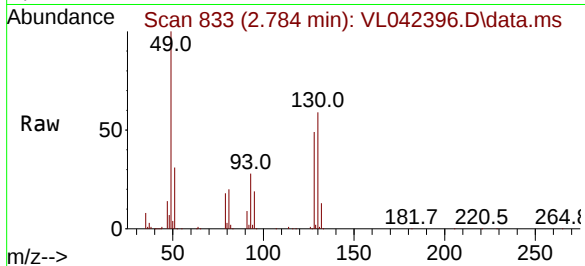




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042396.D  
Acq: 21 Apr 2025 09:28

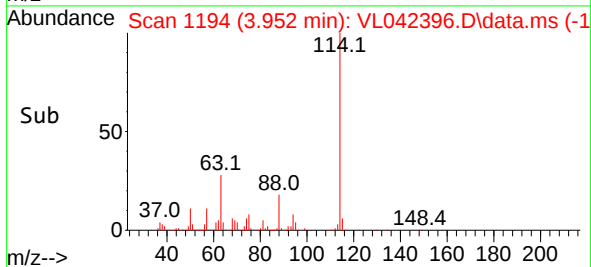
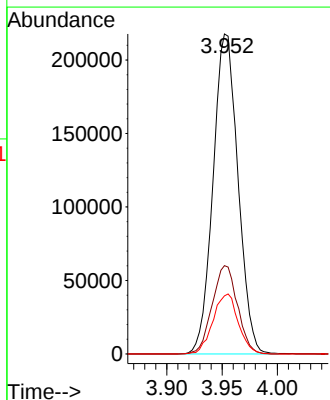
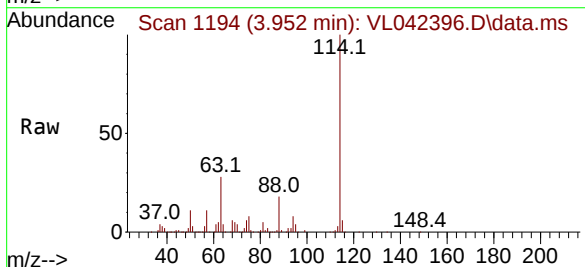
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0421ABL01

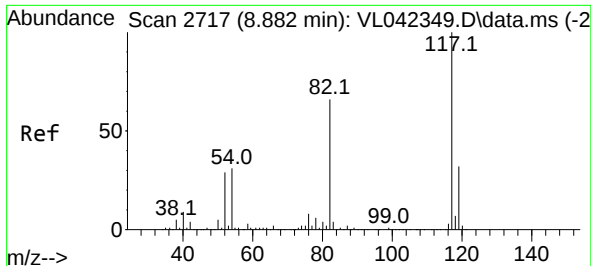
Tgt Ion: 49 Resp: 120411  
Ion Ratio Lower Upper  
49 100  
128 46.4 22.8 68.4  
130 59.3 29.3 88.0



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.952 min Scan# 1194  
Delta R.T. -0.007 min  
Lab File: VL042396.D  
Acq: 21 Apr 2025 09:28

Tgt Ion: 114 Resp: 341628  
Ion Ratio Lower Upper  
114 100  
63 27.9 21.8 32.6  
88 19.0 15.5 23.3

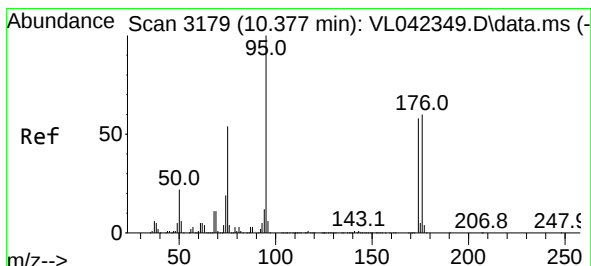
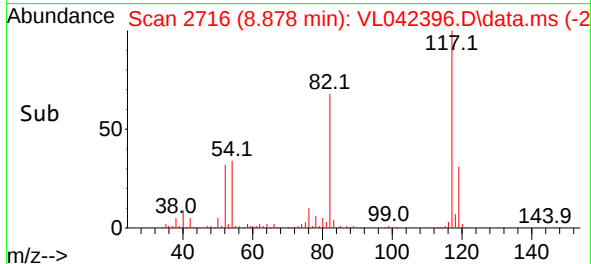
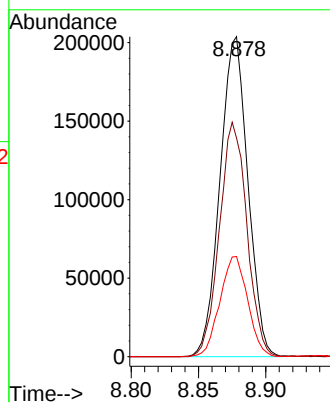
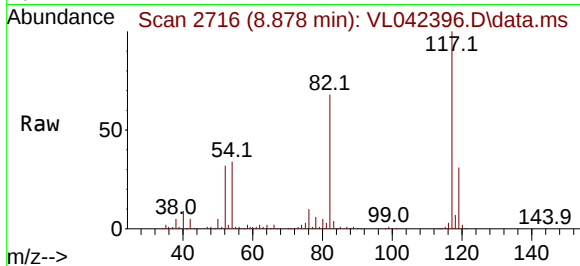




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.878 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL042396.D  
Acq: 21 Apr 2025 09:28

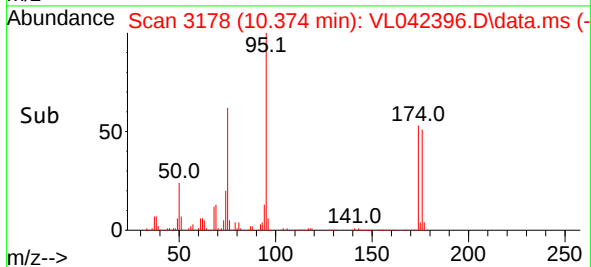
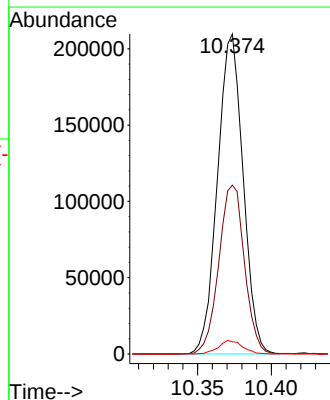
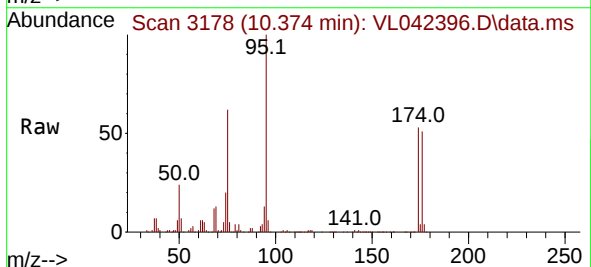
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0421ABL01

Tgt Ion:117 Resp: 293743  
Ion Ratio Lower Upper  
117 100  
82 72.2 57.8 86.6  
119 31.3 25.2 37.8



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.468 ppbv  
RT: 10.374 min Scan# 3178  
Delta R.T. -0.003 min  
Lab File: VL042396.D  
Acq: 21 Apr 2025 09:28

Tgt Ion: 95 Resp: 252683  
Ion Ratio Lower Upper  
95 100  
174 53.1 48.5 72.7  
175 4.0 3.7 5.5



## Report of Analysis

|                    |                              |                 |              |
|--------------------|------------------------------|-----------------|--------------|
| Client:            | GFE LLC                      | Date Collected: |              |
| Project:           | 545 Sheridan Blvd, Inwood NY | Date Received:  |              |
| Client Sample ID:  | VL0421ABS01                  | SDG No.:        | Q1844        |
| Lab Sample ID:     | VL0421ABS01                  | Matrix:         | Air          |
| Analytical Method: | TO-15                        | Test:           | VOCMS Group2 |
| Sample Wt/Vol:     | 400                          | Units:          | mL           |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042397.D        | 1         |           | 04/21/25 10:14 | VL042125      |

| CAS Number                | Parameter               | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-------------------------|---------------|----------------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                         |               |                |           |          |            |         |
| 75-01-4                   | Vinyl Chloride          | 8.60          | 22.0           |           | 0.030    | 0.080      | ug/m3   |
| 75-34-3                   | 1,1-Dichloroethane      | 9.60          | 38.9           |           | 0.53     | 2.02       | ug/m3   |
| 156-59-2                  | cis-1,2-Dichloroethene  | 9.10          | 36.1           |           | 0.36     | 1.98       | ug/m3   |
| 71-55-6                   | 1,1,1-Trichloroethane   | 9.30          | 50.7           |           | 0.050    | 0.16       | ug/m3   |
| 79-01-6                   | Trichloroethene         | 7.80          | 41.9           |           | 0.11     | 0.16       | ug/m3   |
| 127-18-4                  | Tetrachloroethene       | 7.40          | 50.2           |           | 0.14     | 0.20       | ug/m3   |
| <b>SURROGATES</b>         |                         |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene | 10.8          |                |           | 65 - 135 | 108%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                         |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane      | 118000        |                |           | 2.781    |            |         |
| 540-36-3                  | 1,4-Difluorobenzene     | 338000        |                |           | 3.949    |            |         |
| 3114-55-4                 | Chlorobenzene-d5        | 294000        |                |           | 8.875    |            |         |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042397.D  
 Acq On : 21 Apr 2025 10:14  
 Operator : SY/MD  
 Sample : VL0421ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0421ABS01

Quant Time: Apr 22 02:51:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025  
 QLast Update : Fri Apr 18 02:14:00 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025  
 Supervised By : Mahesh Dadoda 04/22/2025

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.781 | 49   | 118401   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.949 | 114  | 337921   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.875 | 117  | 293537   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds  
 68) 1-Bromo-4-Fluorobenzene 10.371 95 260048 10.781 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.800%

| Target Compounds              |       |     |        |               | Qvalue |
|-------------------------------|-------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane    | 1.496 | 85  | 212503 | 10.158 ppbv   | 98     |
| 3) Chlorodifluoromethane      | 1.473 | 51  | 175535 | 8.812 ppbv    | 95     |
| 4) Chloromethane              | 1.531 | 50  | 79791  | 9.638 ppbv    | 94     |
| 5) Vinyl Chloride             | 1.577 | 62  | 77905  | 8.645 ppbv    | 97     |
| 6) Bromomethane               | 1.664 | 94  | 35087  | 9.064 ppbv    | 87     |
| 7) Chloroethane               | 1.700 | 64  | 30814  | 9.455 ppbv    | 96     |
| 8) Dichlorotetrafluoroethane  | 1.551 | 85  | 182258 | 10.147 ppbv   | 94     |
| 9) Propene                    | 1.480 | 41  | 69080  | 7.615 ppbv    | 97     |
| 10) Heptane                   | 4.969 | 43  | 187072 | 7.340 ppbv    | 99     |
| 11) Trichlorofluoromethane    | 1.875 | 101 | 205641 | 10.337 ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.133 | 101 | 156363 | 9.613 ppbv    | 98     |
| 13) Ethanol                   | 1.716 | 45  | 4602   | 3.192 ppbv    | 92     |
| 14) Bromoethene               | 1.777 | 108 | 58938  | 9.613 ppbv    | 98     |
| 15) Acetone                   | 1.832 | 43  | 168065 | 8.671 ppbv    | 98     |
| 16) 1,3-Butadiene             | 1.606 | 39  | 83577  | 9.015 ppbv    | 92     |
| 17) tert-Butyl alcohol        | 2.036 | 59  | 216440 | 9.011 ppbv    | 100    |
| 18) 1,1-Dichloroethene        | 2.030 | 96  | 71097  | 9.356 ppbv    | 95     |
| 19) Isopropyl Alcohol         | 1.881 | 45  | 96437  | 8.956 ppbv    | 93     |
| 20) Methylene Chloride        | 2.056 | 84  | 60417  | 7.959 ppbv    | 89     |
| 21) Allyl Chloride            | 2.091 | 41  | 122313 | 9.140 ppbv    | 97     |
| 22) trans-1,2-Dichloroethene  | 2.334 | 96  | 78976  | 9.128 ppbv    | 98     |
| 23) Vinyl Acetate             | 2.457 | 43  | 54610  | 6.961 ppbv #  | 96     |
| 24) 1,1-Dichloroethane        | 2.402 | 63  | 157093 | 9.559 ppbv    | 99     |
| 25) Ethyl Acetate             | 2.829 | 43  | 393203 | 8.228 ppbv    | 99     |
| 26) Hexane                    | 2.820 | 57  | 151103 | 7.813 ppbv    | 99     |
| 27) Carbon Disulfide          | 2.146 | 76  | 194719 | 9.404 ppbv    | 98     |
| 28) Methyl tert-Butyl Ether   | 2.434 | 73  | 108007 | 8.524 ppbv    | 93     |
| 29) Chloroform                | 2.842 | 83  | 262639 | 9.608 ppbv    | 98     |
| 30) Cyclohexane               | 3.846 | 84  | 133153 | 8.517 ppbv    | 98     |
| 31) cis-1,2-Dichloroethene    | 2.713 | 61  | 166447 | 9.052 ppbv    | 95     |
| 32) 1,1,1-Trichloroethane     | 3.360 | 97  | 285156 | 9.266 ppbv    | 98     |
| 34) 2-Butanone                | 2.554 | 43  | 220966 | 8.268 ppbv    | 98     |
| 35) Carbon Tetrachloride      | 3.755 | 117 | 291941 | 9.546 ppbv    | 95     |
| 36) Benzene                   | 3.648 | 78  | 312290 | 8.568 ppbv    | 97     |
| 37) 1,2-Dichloroethane        | 3.211 | 62  | 225346 | 10.301 ppbv # | 96     |
| 38) Trichloroethene           | 4.542 | 130 | 123977 | 7.783 ppbv    | 98     |
| 39) 1,2-Dichloropropane       | 4.305 | 63  | 112058 | 8.250 ppbv #  | 90     |
| 40) 1,4-Dioxane               | 4.571 | 88  | 55511  | 7.437 ppbv #  | 93     |
| 41) Tetrahydrofuran           | 3.046 | 42  | 121497 | 7.797 ppbv    | 99     |
| 42) Bromodichloromethane      | 4.480 | 83  | 294127 | 9.661 ppbv    | 98     |
| 43) Methyl Methacrylate       | 4.872 | 69  | 125779 | 7.657 ppbv    | 93     |
| 44) 2,2,4-Trimethylpentane    | 4.629 | 57  | 508984 | 8.085 ppbv    | 95     |
| 45) t-1,3-Dichloropropene     | 6.399 | 75  | 142114 | 8.469 ppbv    | 93     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042125\  
 Data File : VL042397.D  
 Acq On : 21 Apr 2025 10:14  
 Operator : SY/MD  
 Sample : VL0421ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0421ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:51:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

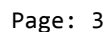
Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.590  | 75   | 171445   | 8.348  | ppbv # | 84       |
| 47) 1,1,2-Trichloroethane     | 6.574  | 97   | 124092   | 8.967  | ppbv   | 95       |
| 48) Dibromochloromethane      | 7.377  | 129  | 225553   | 9.226  | ppbv   | 99       |
| 49) Bromoform                 | 9.474  | 173  | 188764   | 8.830  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.739  | 43   | 318982   | 7.182  | ppbv   | 99       |
| 51) 2-Hexanone                | 7.429  | 43   | 266951   | 6.702  | ppbv # | 95       |
| 52) Tetrachloroethene         | 8.222  | 164  | 104899   | 7.446  | ppbv   | 97       |
| 53) Toluene                   | 6.920  | 91   | 361443   | 8.264  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.645  | 107  | 175799   | 8.877  | ppbv   | 94       |
| 56) 1,1,1,2-Tetrachloroethane | 8.917  | 131  | 169656   | 9.550  | ppbv   | 97       |
| 57) Chlorobenzene             | 8.914  | 112  | 270733   | 8.868  | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.348  | 91   | 524070   | 9.011  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.545  | 91   | 852193m  | 18.189 | ppbv   |          |
| 60) o-Xylene                  | 9.956  | 91   | 433062   | 9.179  | ppbv   | 97       |
| 61) Styrene                   | 9.866  | 104  | 194756   | 8.648  | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.533 | 105  | 641535   | 9.262  | ppbv   | 97       |
| 63) 1,1,2,2-Tetrachloroethane | 9.956  | 83   | 257428   | 8.420  | ppbv   | 99       |
| 64) n-propylbenzene           | 10.982 | 120  | 155343   | 8.922  | ppbv   | 96       |
| 65) tert-Butylbenzene         | 11.526 | 119  | 573929   | 9.015  | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.610 | 91   | 51025    | 7.294  | ppbv   | 97       |
| 67) sec-Butylbenzene          | 11.762 | 105  | 802355   | 9.061  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.921 | 119  | 685449   | 8.910  | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.277 | 91   | 723138   | 9.025  | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.895 | 91   | 500409   | 9.211  | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.122 | 105  | 519236   | 9.002  | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.199 | 105  | 456404   | 8.963  | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 11.533 | 105  | 509154   | 8.561  | ppbv   | 91       |
| 75) 1,3-Dichlorobenzene       | 11.604 | 146  | 267483   | 8.652  | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.669 | 146  | 267283   | 8.602  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.944 | 146  | 261316   | 8.693  | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 259140   | 8.537  | ppbv   | 99       |
| 79) Naphthalene               | 13.510 | 128  | 584987   | 8.225  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.455 | 142  | 300148   | 7.405  | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 13.436 | 180  | 258107   | 8.452  | ppbv   | 99       |

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

## Manual Integrations

Quant Time: Apr 22 02:51:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Fri Apr 18 02:14:00 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL041725 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|-------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDICCC010 | VL042349.D | m/p-Xylene              | SAM       | 4/18/2025 4:19:07 PM | MMDadoda      | 4/18/2025 10:45:20 PM | Peak Integrated by Software |
| VSTDICCC002 | VL042350.D | 1,4-Dioxane             | SAM       | 4/18/2025 4:19:12 PM | MMDadoda      | 4/18/2025 10:45:17 PM | Peak Integrated by Software |
| VSTDICCC002 | VL042350.D | cis-1,3-Dichloropropene | SAM       | 4/18/2025 4:19:12 PM | MMDadoda      | 4/18/2025 10:45:17 PM | Peak Integrated by Software |
| VSTDICCC002 | VL042350.D | Ethanol                 | SAM       | 4/18/2025 4:19:12 PM | MMDadoda      | 4/18/2025 10:45:17 PM | Peak Integrated by Software |
| VSTDICCC002 | VL042350.D | Heptane                 | SAM       | 4/18/2025 4:19:12 PM | MMDadoda      | 4/18/2025 10:45:17 PM | Peak Integrated by Software |
| VSTDICCC002 | VL042350.D | m/p-Xylene              | SAM       | 4/18/2025 4:19:12 PM | MMDadoda      | 4/18/2025 10:45:17 PM | Peak Integrated by Software |
| VSTDICCC002 | VL042350.D | Trichloroethene         | SAM       | 4/18/2025 4:19:12 PM | MMDadoda      | 4/18/2025 10:45:17 PM | Peak Integrated by Software |
| VSTDICCC001 | VL042351.D | 1,1,2-Trichloroethane   | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDICCC001 | VL042351.D | 1,3-Butadiene           | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDICCC001 | VL042351.D | 1,4-Dioxane             | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDICCC001 | VL042351.D | 2,2,4-Trimethylpentane  | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDICCC001 | VL042351.D | cis-1,3-Dichloropropene | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDICCC001 | VL042351.D | Cyclohexane             | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL041725 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-----------|------------|-------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDIC001 | VL042351.D | Ethanol                 | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDIC001 | VL042351.D | Heptane                 | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDIC001 | VL042351.D | m/p-Xylene              | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDIC001 | VL042351.D | Methyl Methacrylate     | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDIC001 | VL042351.D | t-1,3-Dichloropropene   | SAM       | 4/18/2025 4:19:17 PM | MMDadoda      | 4/18/2025 10:45:15 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | 1,1,2-Trichloroethane   | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | 1,2-Dichloropropane     | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | 1,4-Dioxane             | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | 4-Methyl-2-Pentanone    | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | Chlorobenzene           | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | cis-1,3-Dichloropropene | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | Ethanol                 | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDIC0.5 | VL042352.D | Heptane                 | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL041725 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                 | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|---------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDICC0.5  | VL042352.D | m/p-Xylene                | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDICC0.5  | VL042352.D | Methyl Methacrylate       | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDICC0.5  | VL042352.D | t-1,3-Dichloropropene     | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDICC0.5  | VL042352.D | Tetrahydrofuran           | SAM       | 4/18/2025 4:20:33 PM | MMDadoda      | 4/18/2025 10:45:07 PM | Peak Integrated by Software |
| VSTDICC0.1  | VL042353.D | 1,1,1-Trichloroethane     | SAM       | 4/18/2025 4:20:37 PM | MMDadoda      | 4/18/2025 10:45:04 PM | Peak Integrated by Software |
| VSTDICC0.1  | VL042353.D | 1,1,2,2-Tetrachloroethane | SAM       | 4/18/2025 4:20:37 PM | MMDadoda      | 4/18/2025 10:45:04 PM | Peak Integrated by Software |
| VSTDICC0.1  | VL042353.D | 1,2-Dibromoethane         | SAM       | 4/18/2025 4:20:37 PM | MMDadoda      | 4/18/2025 10:45:04 PM | Peak Integrated by Software |
| VSTDICC0.1  | VL042353.D | Tetrachloroethene         | SAM       | 4/18/2025 4:20:37 PM | MMDadoda      | 4/18/2025 10:45:04 PM | Peak Integrated by Software |
| VSTDICC0.1  | VL042353.D | Trichloroethene           | SAM       | 4/18/2025 4:20:37 PM | MMDadoda      | 4/18/2025 10:45:04 PM | Peak Integrated by Software |
| VSTDICC0.03 | VL042354.D | 1,1,1-Trichloroethane     | SAM       | 4/18/2025 4:19:24 PM | MMDadoda      | 4/18/2025 10:45:02 PM | Peak Integrated by Software |
| VSTDICC0.03 | VL042354.D | 1,1,2,2-Tetrachloroethane | SAM       | 4/18/2025 4:19:24 PM | MMDadoda      | 4/18/2025 10:45:02 PM | Peak Integrated by Software |
| VSTDICC0.03 | VL042354.D | Carbon Tetrachloride      | SAM       | 4/18/2025 4:19:24 PM | MMDadoda      | 4/18/2025 10:45:02 PM | Peak Integrated by Software |
| VSTDICC0.03 | VL042354.D | Tetrachloroethene         | SAM       | 4/18/2025 4:19:24 PM | MMDadoda      | 4/18/2025 10:45:02 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

vl041725

Instrument

MSVOA\_I

| Sample ID   | File ID    | Parameter       | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|-----------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDICC0.03 | VL042354.D | Trichloroethene | SAM       | 4/18/2025 4:19:24 PM | MMDadoda      | 4/18/2025 10:45:02 PM | Peak Integrated by Software |
| VSTDICC015  | VL042355.D | m/p-Xylene      | SAM       | 4/18/2025 4:21:35 PM | MMDadoda      | 4/18/2025 10:44:59 PM | Peak Integrated by Software |
| VSTDICV010  | VL042356.D | m/p-Xylene      | SAM       | 4/18/2025 4:20:42 PM | MMDadoda      | 4/18/2025 10:44:57 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL042125 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC010  | VL042395.D | m/p-Xylene             | SAM       | 4/22/2025 9:07:15 AM | MMDadoda      | 4/22/2025 1:59:41 PM | Peak Integrated by Software |
| VL0421ABS01 | VL042397.D | m/p-Xylene             | SAM       | 4/22/2025 9:07:22 AM | MMDadoda      | 4/22/2025 1:59:43 PM | Peak Integrated by Software |
| Q1844-02    | VL042402.D | Carbon Tetrachloride   | SAM       | 4/22/2025 9:08:10 AM | MMDadoda      | 4/22/2025 1:59:49 PM | Peak Integrated by Software |
| Q1844-02    | VL042402.D | Cyclohexane            | SAM       | 4/22/2025 9:08:10 AM | MMDadoda      | 4/22/2025 1:59:49 PM | Peak Integrated by Software |
| Q1844-02    | VL042402.D | Heptane                | SAM       | 4/22/2025 9:08:10 AM | MMDadoda      | 4/22/2025 1:59:49 PM | Peak Integrated by Software |
| Q1844-02    | VL042402.D | m/p-Xylene             | SAM       | 4/22/2025 9:08:10 AM | MMDadoda      | 4/22/2025 1:59:49 PM | Peak Integrated by Software |
| Q1844-02    | VL042402.D | Propene                | SAM       | 4/22/2025 9:08:10 AM | MMDadoda      | 4/22/2025 1:59:49 PM | Peak Integrated by Software |
| Q1844-02    | VL042402.D | Trichlorofluoromethane | SAM       | 4/22/2025 9:08:10 AM | MMDadoda      | 4/22/2025 1:59:49 PM | Peak Integrated by Software |
| Q1844-02DUP | VL042403.D | Carbon Tetrachloride   | SAM       | 4/22/2025 9:08:05 AM | MMDadoda      | 4/22/2025 1:59:51 PM | Peak Integrated by Software |
| Q1844-02DUP | VL042403.D | Cyclohexane            | SAM       | 4/22/2025 9:08:05 AM | MMDadoda      | 4/22/2025 1:59:51 PM | Peak Integrated by Software |
| Q1844-02DUP | VL042403.D | Heptane                | SAM       | 4/22/2025 9:08:05 AM | MMDadoda      | 4/22/2025 1:59:51 PM | Peak Integrated by Software |
| Q1844-02DUP | VL042403.D | m/p-Xylene             | SAM       | 4/22/2025 9:08:05 AM | MMDadoda      | 4/22/2025 1:59:51 PM | Peak Integrated by Software |
| Q1844-02DUP | VL042403.D | Propene                | SAM       | 4/22/2025 9:08:05 AM | MMDadoda      | 4/22/2025 1:59:51 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VL042125

Instrument

MSVOA\_I

| Sample ID   | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|-----------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| Q1844-02DL  | VL042404.D | m/p-Xylene            | SAM       | 4/22/2025 9:08:44 AM | MMDadoda      | 4/22/2025 1:59:55 PM | Peak Integrated by Software |
| Q1844-02DL  | VL042404.D | Propene               | SAM       | 4/22/2025 9:08:44 AM | MMDadoda      | 4/22/2025 1:59:55 PM | Peak Integrated by Software |
| Q1844-02DL  | VL042404.D | Toluene               | SAM       | 4/22/2025 9:08:44 AM | MMDadoda      | 4/22/2025 1:59:55 PM | Peak Integrated by Software |
| Q1844-01    | VL042407.D | Benzene               | SAM       | 4/22/2025 9:12:12 AM | MMDadoda      | 4/22/2025 2:00:00 PM | Peak Integrated by Software |
| Q1844-01    | VL042407.D | Chlorodifluoromethane | SAM       | 4/22/2025 9:12:12 AM | MMDadoda      | 4/22/2025 2:00:00 PM | Peak Integrated by Software |
| Q1844-01    | VL042407.D | Heptane               | SAM       | 4/22/2025 9:12:12 AM | MMDadoda      | 4/22/2025 2:00:00 PM | Peak Integrated by Software |
| Q1844-01    | VL042407.D | Propene               | SAM       | 4/22/2025 9:12:12 AM | MMDadoda      | 4/22/2025 2:00:00 PM | Peak Integrated by Software |
| Q1844-01DL  | VL042408.D | Chlorodifluoromethane | SAM       | 4/22/2025 9:07:54 AM | MMDadoda      | 4/22/2025 2:00:03 PM | Peak Integrated by Software |
| Q1844-01DL  | VL042408.D | Propene               | SAM       | 4/22/2025 9:07:54 AM | MMDadoda      | 4/22/2025 2:00:03 PM | Peak Integrated by Software |
| Q1844-01DL2 | VL042414.D | Trichloroethene       | SAM       | 4/22/2025 9:07:42 AM | MMDadoda      | 4/22/2025 2:00:11 PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_L**

**Daily Analysis Runlog For Sequence/QC Batch ID # VL041725**

|                          |                     |                      |                       |                      |               |
|--------------------------|---------------------|----------------------|-----------------------|----------------------|---------------|
| Review By                | Semsettin Yesilyurt | Review On            | 4/18/2025 4:23:02 PM  |                      |               |
| Supervise By             | Maresh Dadoda       | Supervise On         | 4/18/2025 10:46:12 PM |                      |               |
| SubDirectory             | VL041725            | HP Acquire Method    | TO15AIR.M             | HP Processing Method | VL041725AIR.M |
| STD. NAME                |                     | STD REF.#            |                       |                      |               |
| Tune/Reschk              |                     | AP2590               |                       |                      |               |
| Initial Calibration Stds |                     | AP2598,AP2599,AP2600 |                       |                      |               |
| CCC                      |                     | AP2598               |                       |                      |               |
| Internal Standard/PEM    |                     | AP2590               |                       |                      |               |
| ICV/I.BLK                |                     | AP2601               |                       |                      |               |
| Surrogate Standard       |                     |                      |                       |                      |               |
| MS/MSD Standard          |                     |                      |                       |                      |               |
| LCS Standard             |                     |                      |                       |                      |               |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VL042348.D     | 17 Apr 2025 07:50 | SY/MD    | Ok       |
| 2   | VSTDICCC010  | VL042349.D     | 17 Apr 2025 09:44 | SY/MD    | Ok,M     |
| 3   | VSTDICCC002  | VL042350.D     | 17 Apr 2025 10:17 | SY/MD    | Ok,M     |
| 4   | VSTDICCC001  | VL042351.D     | 17 Apr 2025 10:48 | SY/MD    | Ok,M     |
| 5   | VSTDICCC0.5  | VL042352.D     | 17 Apr 2025 11:19 | SY/MD    | Ok,M     |
| 6   | VSTDICCC0.1  | VL042353.D     | 17 Apr 2025 11:50 | SY/MD    | Ok,M     |
| 7   | VSTDICCC0.03 | VL042354.D     | 17 Apr 2025 12:22 | SY/MD    | Ok,M     |
| 8   | VSTDICCC015  | VL042355.D     | 17 Apr 2025 12:54 | SY/MD    | Ok,M     |
| 9   | VSTDICV010   | VL042356.D     | 17 Apr 2025 13:43 | SY/MD    | Ok,M     |
| 10  | VL0417ABL01  | VL042357.D     | 17 Apr 2025 14:23 | SY/MD    | Ok       |
| 11  | VL0417ABS01  | VL042358.D     | 17 Apr 2025 15:39 | SY/MD    | Ok,M     |
| 12  | Q1665-15     | VL042359.D     | 17 Apr 2025 16:12 | SY/MD    | Dilution |
| 13  | Q1665-15DL   | VL042360.D     | 17 Apr 2025 16:44 | SY/MD    | Ok,M     |
| 14  | Q1668-01     | VL042361.D     | 17 Apr 2025 17:17 | SY/MD    | Dilution |
| 15  | Q1668-01DUP  | VL042362.D     | 17 Apr 2025 17:51 | SY/MD    | Ok,M     |
| 16  | Q1668-03     | VL042363.D     | 17 Apr 2025 18:24 | SY/MD    | Dilution |
| 17  | Q1668-04     | VL042364.D     | 17 Apr 2025 18:58 | SY/MD    | Ok,M     |
| 18  | Q1668-02     | VL042365.D     | 17 Apr 2025 19:31 | SY/MD    | Ok,M     |
| 19  | Q1726-01     | VL042366.D     | 17 Apr 2025 20:05 | SY/MD    | Dilution |
| 20  | Q1726-02     | VL042367.D     | 17 Apr 2025 20:38 | SY/MD    | Dilution |
| 21  | Q1726-03     | VL042368.D     | 17 Apr 2025 21:12 | SY/MD    | Dilution |

Instrument ID: **MSVOA\_L**

**Daily Analysis Runlog For Sequence/QC Batch ID # VL041725**

| Review By                | Semsettin Yesilyurt  | Review On         | 4/18/2025 4:23:02 PM  |                      |               |
|--------------------------|----------------------|-------------------|-----------------------|----------------------|---------------|
| Supervise By             | Maresh Dadoda        | Supervise On      | 4/18/2025 10:46:12 PM |                      |               |
| SubDirectory             | VL041725             | HP Acquire Method | TO15AIR.M             | HP Processing Method | VL041725AIR.M |
| STD. NAME                |                      | STD REF.#         |                       |                      |               |
| Tune/Reschk              | AP2590               |                   |                       |                      |               |
| Initial Calibration Stds | AP2598,AP2599,AP2600 |                   |                       |                      |               |
| CCC                      | AP2598               |                   |                       |                      |               |
| Internal Standard/PEM    | AP2590               |                   |                       |                      |               |
| ICV/I.BLK                | AP2601               |                   |                       |                      |               |
| Surrogate Standard       |                      |                   |                       |                      |               |
| MS/MSD Standard          |                      |                   |                       |                      |               |
| LCS Standard             |                      |                   |                       |                      |               |

|    |            |            |                   |       |          |
|----|------------|------------|-------------------|-------|----------|
| 22 | Q1726-04   | VL042369.D | 17 Apr 2025 21:45 | SY/MD | Dilution |
| 23 | Q1726-05   | VL042370.D | 17 Apr 2025 22:19 | SY/MD | Dilution |
| 24 | Q1726-06   | VL042371.D | 17 Apr 2025 22:52 | SY/MD | Dilution |
| 25 | Q1726-07   | VL042372.D | 17 Apr 2025 23:26 | SY/MD | Dilution |
| 26 | Q1726-07DL | VL042373.D | 17 Apr 2025 23:57 | SY/MD | Dilution |
| 27 | Q1668-01DL | VL042374.D | 18 Apr 2025 00:28 | SY/MD | Ok,M     |
| 28 | Q1668-03DL | VL042375.D | 18 Apr 2025 00:59 | SY/MD | Ok,M     |
| 29 | Q1726-01DL | VL042376.D | 18 Apr 2025 01:30 | SY/MD | Dilution |
| 30 | Q1726-02DL | VL042377.D | 18 Apr 2025 02:01 | SY/MD | Dilution |
| 31 | Q1726-03DL | VL042378.D | 18 Apr 2025 02:32 | SY/MD | Dilution |
| 32 | Q1726-04DL | VL042379.D | 18 Apr 2025 03:03 | SY/MD | Dilution |
| 33 | Q1726-05DL | VL042380.D | 18 Apr 2025 03:34 | SY/MD | Dilution |
| 34 | Q1726-06DL | VL042381.D | 18 Apr 2025 04:05 | SY/MD | Dilution |

M : Manual Integration

Instrument ID: **MSVOA\_L**

**Daily Analysis Runlog For Sequence/QC Batch ID # VL042125**

|                          |                     |                      |                      |                      |               |
|--------------------------|---------------------|----------------------|----------------------|----------------------|---------------|
| Review By                | Semsettin Yesilyurt | Review On            | 4/22/2025 9:39:52 AM |                      |               |
| Supervise By             | Maresh Dadoda       | Supervise On         | 4/22/2025 2:00:33 PM |                      |               |
| SubDirectory             | VL042125            | HP Acquire Method    | TO15AIR.M            | HP Processing Method | VL041725AIR.M |
| STD. NAME                |                     | STD REF.#            |                      |                      |               |
| Tune/Reschk              |                     | AP2602               |                      |                      |               |
| Initial Calibration Stds |                     | AP2598,AP2599,AP2600 |                      |                      |               |
| CCC                      |                     | AP2598               |                      |                      |               |
| Internal Standard/PEM    |                     | AP2602               |                      |                      |               |
| ICV/I.BLK                |                     | AP2601               |                      |                      |               |
| Surrogate Standard       |                     |                      |                      |                      |               |
| MS/MSD Standard          |                     |                      |                      |                      |               |
| LCS Standard             |                     |                      |                      |                      |               |

| Sr# | SampleId           | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------------|----------------|-------------------|----------|----------|
| 1   | BFB                | VL042394.D     | 21 Apr 2025 07:58 | SY/MD    | Ok       |
| 2   | VSTDCCC010         | VL042395.D     | 21 Apr 2025 08:41 | SY/MD    | Ok,M     |
| 3   | VL0421ABL01        | VL042396.D     | 21 Apr 2025 09:28 | SY/MD    | Ok       |
| 4   | VL0421ABS01        | VL042397.D     | 21 Apr 2025 10:14 | SY/MD    | Ok,M     |
| 5   | QC041625 CAN 10329 | VL042398.D     | 21 Apr 2025 11:04 | SY/MD    | Not Ok   |
| 6   | QC041625 CAN 10329 | VL042399.D     | 21 Apr 2025 11:36 | SY/MD    | Ok       |
| 7   | Q1801-01           | VL042400.D     | 21 Apr 2025 12:07 | SY/MD    | Ok,M     |
| 8   | Q1801-02           | VL042401.D     | 21 Apr 2025 12:51 | SY/MD    | Ok,M     |
| 9   | Q1844-02           | VL042402.D     | 21 Apr 2025 13:38 | SY/MD    | Dilution |
| 10  | Q1844-02DUP        | VL042403.D     | 21 Apr 2025 14:13 | SY/MD    | Ok,M     |
| 11  | Q1844-02DL         | VL042404.D     | 21 Apr 2025 14:44 | SY/MD    | Ok,M     |
| 12  | Q1843-02           | VL042405.D     | 21 Apr 2025 15:18 | SY/MD    | Ok,M     |
| 13  | Q1843-02DL         | VL042406.D     | 21 Apr 2025 15:49 | SY/MD    | Not Ok   |
| 14  | Q1844-01           | VL042407.D     | 21 Apr 2025 16:20 | SY/MD    | Dilution |
| 15  | Q1844-01DL         | VL042408.D     | 21 Apr 2025 16:51 | SY/MD    | Dilution |
| 16  | Q1843-01           | VL042409.D     | 21 Apr 2025 17:23 | SY/MD    | Ok,M     |
| 17  | Q1843-01DL         | VL042410.D     | 21 Apr 2025 17:54 | SY/MD    | Not Ok   |
| 18  | Q1843-01DUP        | VL042411.D     | 21 Apr 2025 19:16 | SY/MD    | Ok,M     |
| 19  | QC041725 CA 27806  | VL042412.D     | 21 Apr 2025 19:47 | SY/MD    | Not Ok   |
| 20  | QC041725 CA 27806  | VL042413.D     | 21 Apr 2025 20:18 | SY/MD    | Ok       |
| 21  | Q1844-01DL2        | VL042414.D     | 22 Apr 2025 07:47 | SY/MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # VL041725**

|              |                     |                   |                                              |
|--------------|---------------------|-------------------|----------------------------------------------|
| Review By    | Semsettin Yesilyurt | Review On         | 4/18/2025 4:23:02 PM                         |
| Supervise By | Maresh Dadoda       | Supervise On      | 4/18/2025 10:46:12 PM                        |
| SubDirectory | VL041725            | HP Acquire Method | TO15AIR.M HP Processing Method VL041725AIR.M |

| STD. NAME                | STD REF.#            |
|--------------------------|----------------------|
| Tune/Reschk              | AP2590               |
| Initial Calibration Stds | AP2598,AP2599,AP2600 |
| CCC                      | AP2598               |
| Internal Standard/PEM    | AP2590               |
| ICV/I.BLK                | AP2601               |
| Surrogate Standard       |                      |
| MS/MSD Standard          |                      |
| LCS Standard             |                      |

| Sr# | Sampled     | ClientID           | Data File Name | Date-Time         | Comment  | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|----------|----------|----------|
| 1   | BFB         | BFB                | VL042348.D     | 17 Apr 2025 07:50 |          | SY/MD    | Ok       |
| 2   | VSTDICCC010 | VSTDICCC010        | VL042349.D     | 17 Apr 2025 09:44 |          | SY/MD    | Ok,M     |
| 3   | VSTDICC002  | VSTDICC002         | VL042350.D     | 17 Apr 2025 10:17 |          | SY/MD    | Ok,M     |
| 4   | VSTDICC001  | VSTDICC001         | VL042351.D     | 17 Apr 2025 10:48 |          | SY/MD    | Ok,M     |
| 5   | VSTDICC0.5  | VSTDICC0.5         | VL042352.D     | 17 Apr 2025 11:19 |          | SY/MD    | Ok,M     |
| 6   | VSTDICC0.1  | VSTDICC0.1         | VL042353.D     | 17 Apr 2025 11:50 |          | SY/MD    | Ok,M     |
| 7   | VSTDICC0.03 | VSTDICC0.03        | VL042354.D     | 17 Apr 2025 12:22 |          | SY/MD    | Ok,M     |
| 8   | VSTDICC015  | VSTDICC015         | VL042355.D     | 17 Apr 2025 12:54 |          | SY/MD    | Ok,M     |
| 9   | VSTDICV010  | ICVVL041725        | VL042356.D     | 17 Apr 2025 13:43 |          | SY/MD    | Ok,M     |
| 10  | VL0417ABL01 | VL0417ABL01        | VL042357.D     | 17 Apr 2025 14:23 |          | SY/MD    | Ok       |
| 11  | VL0417ABS01 | VL0417ABS01        | VL042358.D     | 17 Apr 2025 15:39 |          | SY/MD    | Ok,M     |
| 12  | Q1665-15    | IA-B14-1-3242025   | VL042359.D     | 17 Apr 2025 16:12 | Need 10X | SY/MD    | Dilution |
| 13  | Q1665-15DL  | IA-B14-1-3242025DL | VL042360.D     | 17 Apr 2025 16:44 |          | SY/MD    | Ok,M     |
| 14  | Q1668-01    | IA-B1-4-3252025    | VL042361.D     | 17 Apr 2025 17:17 | Need 4X  | SY/MD    | Dilution |
| 15  | Q1668-01DUP | IA-B1-4-3252025DUP | VL042362.D     | 17 Apr 2025 17:51 |          | SY/MD    | Ok,M     |
| 16  | Q1668-03    | IA-B1-3-3252025    | VL042363.D     | 17 Apr 2025 18:24 | Need 4X  | SY/MD    | Dilution |
| 17  | Q1668-04    | IA-B1-1-3252025    | VL042364.D     | 17 Apr 2025 18:58 |          | SY/MD    | Ok,M     |
| 18  | Q1668-02    | IA-B1-2-3252025    | VL042365.D     | 17 Apr 2025 19:31 |          | SY/MD    | Ok,M     |

Instrument ID: MSVOA\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # VL041725**

|                          |                     |                      |                       |                      |               |
|--------------------------|---------------------|----------------------|-----------------------|----------------------|---------------|
| Review By                | Semsettin Yesilyurt | Review On            | 4/18/2025 4:23:02 PM  |                      |               |
| Supervise By             | Mahesh Dadoda       | Supervise On         | 4/18/2025 10:46:12 PM |                      |               |
| SubDirectory             | VL041725            | HP Acquire Method    | TO15AIR.M             | HP Processing Method | VL041725AIR.M |
| STD. NAME                |                     | STD REF.#            |                       |                      |               |
| Tune/Reschk              |                     | AP2590               |                       |                      |               |
| Initial Calibration Stds |                     | AP2598,AP2599,AP2600 |                       |                      |               |
| CCC                      |                     | AP2598               |                       |                      |               |
| Internal Standard/PEM    |                     | AP2590               |                       |                      |               |
| ICV/I.BLK                |                     | AP2601               |                       |                      |               |
| Surrogate Standard       |                     |                      |                       |                      |               |
| MS/MSD Standard          |                     |                      |                       |                      |               |
| LCS Standard             |                     |                      |                       |                      |               |

|    |            |                     |            |                   |           |       |          |
|----|------------|---------------------|------------|-------------------|-----------|-------|----------|
| 19 | Q1726-01   | IA-DUP-3-03312025   | VL042366.D | 17 Apr 2025 20:05 | Need 20X  | SY/MD | Dilution |
| 20 | Q1726-02   | IA-B2-6-03312025    | VL042367.D | 17 Apr 2025 20:38 | Need 20X  | SY/MD | Dilution |
| 21 | Q1726-03   | IA-B2-2-03312025    | VL042368.D | 17 Apr 2025 21:12 | Need 20X  | SY/MD | Dilution |
| 22 | Q1726-04   | IA-B2-5-03312025    | VL042369.D | 17 Apr 2025 21:45 | Need 20X  | SY/MD | Dilution |
| 23 | Q1726-05   | IA-B2-1-03312025    | VL042370.D | 17 Apr 2025 22:19 | Need 20X  | SY/MD | Dilution |
| 24 | Q1726-06   | IA-B2-3-03312025    | VL042371.D | 17 Apr 2025 22:52 | Need 20X  | SY/MD | Dilution |
| 25 | Q1726-07   | IA-B2-4-03312025    | VL042372.D | 17 Apr 2025 23:26 | Need 20X  | SY/MD | Dilution |
| 26 | Q1726-07DL | IA-B2-4-03312025DL  | VL042373.D | 17 Apr 2025 23:57 | Need 40X  | SY/MD | Dilution |
| 27 | Q1668-01DL | IA-B1-4-3252025DL   | VL042374.D | 18 Apr 2025 00:28 |           | SY/MD | Ok,M     |
| 28 | Q1668-03DL | IA-B1-3-3252025DL   | VL042375.D | 18 Apr 2025 00:59 |           | SY/MD | Ok,M     |
| 29 | Q1726-01DL | IA-DUP-3-03312025DL | VL042376.D | 18 Apr 2025 01:30 | Need 40X  | SY/MD | Dilution |
| 30 | Q1726-02DL | IA-B2-6-03312025DL  | VL042377.D | 18 Apr 2025 02:01 | Need 40X  | SY/MD | Dilution |
| 31 | Q1726-03DL | IA-B2-2-03312025DL  | VL042378.D | 18 Apr 2025 02:32 | Need 100X | SY/MD | Dilution |
| 32 | Q1726-04DL | IA-B2-5-03312025DL  | VL042379.D | 18 Apr 2025 03:03 | Need 40X  | SY/MD | Dilution |
| 33 | Q1726-05DL | IA-B2-1-03312025DL  | VL042380.D | 18 Apr 2025 03:34 | Need 100X | SY/MD | Dilution |
| 34 | Q1726-06DL | IA-B2-3-03312025DL  | VL042381.D | 18 Apr 2025 04:05 | Need 100X | SY/MD | Dilution |

M : Manual Integration

Instrument ID: MSVOA\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # VL042125**

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | Semsettin Yesilyurt | Review On            | 4/22/2025 9:39:52 AM |
| Supervise By | Maresh Dadoda       | Supervise On         | 4/22/2025 2:00:33 PM |
| SubDirectory | VL042125            | HP Acquire Method    | TO15AIR.M            |
|              |                     | HP Processing Method | VL041725AIR.M        |

| STD. NAME                | STD REF.#            |
|--------------------------|----------------------|
| Tune/Reschk              | AP2602               |
| Initial Calibration Stds | AP2598,AP2599,AP2600 |
| CCC                      | AP2598               |
| Internal Standard/PEM    | AP2602               |
| ICV/I.BLK                | AP2601               |
| Surrogate Standard       |                      |
| MS/MSD Standard          |                      |
| LCS Standard             |                      |

| Sr# | SampleID           | ClientID           | Data File Name | Date-Time         | Comment      | Operator | Status   |
|-----|--------------------|--------------------|----------------|-------------------|--------------|----------|----------|
| 1   | BFB                | BFB                | VL042394.D     | 21 Apr 2025 07:58 |              | SY/MD    | Ok       |
| 2   | VSTDCCC010         | VSTDCCC010         | VL042395.D     | 21 Apr 2025 08:41 |              | SY/MD    | Ok,M     |
| 3   | VL0421ABL01        | VL0421ABL01        | VL042396.D     | 21 Apr 2025 09:28 |              | SY/MD    | Ok       |
| 4   | VL0421ABS01        | VL0421ABS01        | VL042397.D     | 21 Apr 2025 10:14 |              | SY/MD    | Ok,M     |
| 5   | QC041625 CAN 10329 | QC041625 CAN 10329 | VL042398.D     | 21 Apr 2025 11:04 | Contaminated | SY/MD    | Not Ok   |
| 6   | QC041625 CAN 10329 | QC041625 CAN 10329 | VL042399.D     | 21 Apr 2025 11:36 |              | SY/MD    | Ok       |
| 7   | Q1801-01           | SS2R               | VL042400.D     | 21 Apr 2025 12:07 |              | SY/MD    | Ok,M     |
| 8   | Q1801-02           | SS3                | VL042401.D     | 21 Apr 2025 12:51 |              | SY/MD    | Ok,M     |
| 9   | Q1844-02           | IA1                | VL042402.D     | 21 Apr 2025 13:38 | Need 5X      | SY/MD    | Dilution |
| 10  | Q1844-02DUP        | IA1DUP             | VL042403.D     | 21 Apr 2025 14:13 |              | SY/MD    | Ok,M     |
| 11  | Q1844-02DL         | IA1DL              | VL042404.D     | 21 Apr 2025 14:44 |              | SY/MD    | Ok,M     |
| 12  | Q1843-02           | IA1                | VL042405.D     | 21 Apr 2025 15:18 |              | SY/MD    | Ok,M     |
| 13  | Q1843-02DL         | IA1DL              | VL042406.D     | 21 Apr 2025 15:49 | Not required | SY/MD    | Not Ok   |
| 14  | Q1844-01           | SV1                | VL042407.D     | 21 Apr 2025 16:20 | Need 40X     | SY/MD    | Dilution |
| 15  | Q1844-01DL         | SV1DL              | VL042408.D     | 21 Apr 2025 16:51 | Need 600X    | SY/MD    | Dilution |
| 16  | Q1843-01           | SV1                | VL042409.D     | 21 Apr 2025 17:23 |              | SY/MD    | Ok,M     |
| 17  | Q1843-01DL         | SV1DL              | VL042410.D     | 21 Apr 2025 17:54 | Not required | SY/MD    | Not Ok   |
| 18  | Q1843-01DUP        | SV1DUP             | VL042411.D     | 21 Apr 2025 19:16 |              | SY/MD    | Ok,M     |

Instrument ID: MSVOA\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # VL042125**

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | Semsettin Yesilyurt | Review On            | 4/22/2025 9:39:52 AM |
| Supervise By | Maresh Dadoda       | Supervise On         | 4/22/2025 2:00:33 PM |
| SubDirectory | VL042125            | HP Acquire Method    | TO15AIR.M            |
|              |                     | HP Processing Method | VL041725AIR.M        |

| STD. NAME                | STD REF.#            |
|--------------------------|----------------------|
| Tune/Reschk              | AP2602               |
| Initial Calibration Stds | AP2598,AP2599,AP2600 |
| CCC                      | AP2598               |
| Internal Standard/PEM    | AP2602               |
| ICV/I.BLK                | AP2601               |
| Surrogate Standard       |                      |
| MS/MSD Standard          |                      |
| LCS Standard             |                      |

|    |                   |                   |            |                   |              |       |        |
|----|-------------------|-------------------|------------|-------------------|--------------|-------|--------|
| 19 | QC041725 CA 27806 | QC041725 CA 27806 | VL042412.D | 21 Apr 2025 19:47 | Contaminated | SY/MD | Not Ok |
| 20 | QC041725 CA 27806 | QC041725 CA 27806 | VL042413.D | 21 Apr 2025 20:18 |              | SY/MD | Ok     |
| 21 | Q1844-01DL2       | SV1DL2            | VL042414.D | 22 Apr 2025 07:47 |              | SY/MD | Ok,M   |

M : Manual Integration

|                                                                       |  |  |  |                                                       |  |  |  |                                                                        |  |  |  |             |  |  |  |
|-----------------------------------------------------------------------|--|--|--|-------------------------------------------------------|--|--|--|------------------------------------------------------------------------|--|--|--|-------------|--|--|--|
| Client Contact Information                                            |  |  |  | Bottle Order ID : <b>B2504022</b>                     |  |  |  | Courier : <b>FGALDUN</b>                                               |  |  |  | 1 of 2 COCs |  |  |  |
| Client ID : <b>GFEL01</b>                                             |  |  |  | Project ID : <b>10-Elbridge St.</b>                   |  |  |  | Sampler Name(s) : <b>FRANK GALDUN</b>                                  |  |  |  | Analysis    |  |  |  |
| Customer Name : <b>GFE LLC</b><br><br>Address : <b>58 Nokomis Ave</b> |  |  |  | Project Manager : <b>Frank galdun</b>                 |  |  |  | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |  |  |  |             |  |  |  |
|                                                                       |  |  |  | Phone Number : <b>646-542-3465</b>                    |  |  |  |                                                                        |  |  |  |             |  |  |  |
|                                                                       |  |  |  | Fax Number : <b>973-334-1692</b>                      |  |  |  |                                                                        |  |  |  |             |  |  |  |
|                                                                       |  |  |  | Site Details: <b>454 SHERIDAN BLVD<br/>FAWOOD, NY</b> |  |  |  |                                                                        |  |  |  |             |  |  |  |
| City : <b>Lake Hiawatha</b>                                           |  |  |  | Analysis Turnaround Time <b>5 DAY</b>                 |  |  |  | Data Package Type : <b>RESULTS ONLY</b>                                |  |  |  |             |  |  |  |
| State : <b>NJ</b>                                                     |  |  |  | Standard : <b>10 business days</b> OR                 |  |  |  |                                                                        |  |  |  |             |  |  |  |
| Zip Code : <b>07034</b>                                               |  |  |  | Rush (Specify): <b>5</b> Days                         |  |  |  | EDD Type : <b>PDF</b>                                                  |  |  |  |             |  |  |  |
| Country :                                                             |  |  |  |                                                       |  |  |  |                                                                        |  |  |  |             |  |  |  |

| Sample Identification    | Sample Date(s)   | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                                               | Can ID     |           | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambient Air | Soil Gas |
|--------------------------|------------------|--------------------------|-------------------------|-----------------------------------|------------------------------------|----------------------------|---------------------------|-----------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|----------------------------------|-------------|-------|--------------------|----------|
| <b>SU1</b>               | <b>9/19/2009</b> | <b>05:00</b>             | <b>05:30</b>            | <b>4</b>                          | <b>69</b>                          | <b>69</b>                  | <b>-30</b>                | <b>-6.3</b>                       | <b>10109</b>                      | <b>10321</b>                                                                                                                                                               | <b>6 L</b> | <b>50</b> | <b>VL042316.D</b>                | <b>1</b>    |       |                    | <b>1</b> |
| Temperature (Fahrenheit) |                  |                          |                         |                                   |                                    |                            |                           |                                   |                                   | GC/MS Analyst Signature (TO-15) <span style="border: 1px solid black; padding: 5px; display: inline-block;">[Signature]</span>                                             |            |           |                                  |             |       |                    |          |
|                          | Ambient          |                          | Maximum                 |                                   | Minimum                            |                            |                           |                                   |                                   |                                                                                                                                                                            |            |           |                                  |             |       |                    |          |
| Start                    |                  |                          |                         |                                   |                                    |                            |                           |                                   |                                   |                                                                                                                                                                            |            |           |                                  |             |       |                    |          |
| Stop                     |                  |                          |                         |                                   |                                    |                            |                           |                                   |                                   |                                                                                                                                                                            |            |           |                                  |             |       |                    |          |
| Pressure (Inches of Hg)  |                  |                          |                         |                                   |                                    |                            |                           |                                   |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><b>REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYL CHLORIDE</b> |            |           |                                  |             |       |                    |          |
|                          | Ambient          |                          | Maximum                 |                                   | Minimum                            |                            |                           |                                   |                                   |                                                                                                                                                                            |            |           |                                  |             |       |                    |          |
| Start                    |                  |                          |                         |                                   |                                    |                            |                           |                                   |                                   |                                                                                                                                                                            |            |           |                                  |             |       |                    |          |
| Stop                     |                  |                          |                         |                                   |                                    |                            |                           |                                   |                                   |                                                                                                                                                                            |            |           |                                  |             |       |                    |          |

Please follow the instructions on the back of this COC.

|                                                   |  |                                 |  |
|---------------------------------------------------|--|---------------------------------|--|
| Special Instructions/QC Requirements & Comments : |  |                                 |  |
| Suspected Contamination: High Medium Low          |  | PID Readings: <b>6.4</b>        |  |
| Sampling site (State):                            |  |                                 |  |
| Quick Connector required : <b>NO</b>              |  |                                 |  |
| Canisters Shipped by: <b>[Signature]</b>          |  | Date/Time: <b>09/15/2009</b>    |  |
| Samples Relinquished by: <b>[Signature]</b>       |  | Date/Time: <b>9/16/2009</b>     |  |
| Relinquished by:                                  |  | Date/Time:                      |  |
|                                                   |  | Received by: <b>[Signature]</b> |  |
|                                                   |  | Date/Time: <b>4/10/2010</b>     |  |
|                                                   |  | Received by:                    |  |
|                                                   |  | Date/Time:                      |  |

**B2504022 - 3**

|                                                                                                                                            |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-----------------------------------------------------------|------------------------------------|----------------------------|---------------------------|------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------|-------|---------------------|
| Client Contact Information                                                                                                                 |                |                          |                         | Bottle Order ID : <b>B2504022</b>                         |                                    |                            |                           | Courier : <b>F Galdun</b>                                              |                                   |                                                                                                                                                                                                                                           |        | 2 of 2 COCs                                                                                                                                                                                                                                       |                                  |             |       |                     |
| Client ID : <b>GFEL01</b> Project ID : <del>10-10-10-10</del>                                                                              |                |                          |                         | Project Manager : <b>Frank galdun</b>                     |                                    |                            |                           | Sampler Name(s) : <b>FRANK GALDUN</b>                                  |                                   |                                                                                                                                                                                                                                           |        | Analysis                                                                                                                                                                                                                                          |                                  |             |       |                     |
| Customer Name : <b>GFE LLC</b><br><br>Address : <b>58 Nokomis Ave</b>                                                                      |                |                          |                         | Phone Number : <b>646-542-3465</b>                        |                                    |                            |                           | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |                                                                                                                                                                                                                                           |        | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Indoor Ambient Air</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Soil Gas</div> </div> |                                  |             |       |                     |
|                                                                                                                                            |                |                          |                         | Fax Number : <b>973-334-1692</b>                          |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
|                                                                                                                                            |                |                          |                         | Site Details: <b>82-64 AUSTIN ST.<br/>KEW GARDENS, NY</b> |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| City : <b>Lake Hiawatha</b>                                                                                                                |                |                          |                         | Analysis Turnaround Time <b>5 DAY</b>                     |                                    |                            |                           | Data Package Type : <b>RESULTS ONLY</b>                                |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| State : <b>NJ</b>                                                                                                                          |                |                          |                         | Standard : <b>10 business days</b> OR                     |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Zip Code : <b>07034</b>                                                                                                                    |                |                          |                         | Rush (Specify): <b>5</b> Days                             |                                    |                            |                           | EDD Type : <b>PDE</b>                                                  |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Sample Identification                                                                                                                      | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)                         | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                      | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                                                                                                              | Can ID |                                                                                                                                                                                                                                                   | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 |                     |
| IA1                                                                                                                                        | 4/17/25        | 8:50                     | 10:50                   | OVER 30                                                   | 4                                  | 70                         | 72                        | -30                                                                    | -55                               | 10185                                                                                                                                                                                                                                     | 10153  | 6 L                                                                                                                                                                                                                                               | 50                               | VL042316.D  | 7     |                     |
| Temperature (Fahrenheit)                                                                                                                   |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   | GC/MS Analyst Signature (TO-15) <span style="float: right; border: 1px solid black; padding: 2px;">Sof</span>                                                                                                                             |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
|                                                                                                                                            |                | Ambient                  |                         | Maximum                                                   |                                    | Minimum                    |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Start                                                                                                                                      |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Stop                                                                                                                                       |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Pressure (Inches of Hg)                                                                                                                    |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><b>REPORT ONLY: PCE, TCE, CIS-1,2-DCE, 1,1-DCE, 1,1,1-TCF, VINYL CHLORIDE</b><br><br>Please follow the instructions on the back of this COC. |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
|                                                                                                                                            |                | Ambient                  |                         | Maximum                                                   |                                    | Minimum                    |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Start                                                                                                                                      |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Stop                                                                                                                                       |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Special Instructions/QC Requirements & Comments :                                                                                          |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Suspected Contamination: High Medium <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Low</span> PID Readings: 0.0 |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Sampling site (State):                                                                                                                     |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Quick Connector required : <b>NJ</b>                                                                                                       |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       |                     |
| Canisters Shipped by: <b>Som</b>                                                                                                           |                |                          |                         | Date/Time: <b>4/15/25</b>                                 |                                    |                            |                           | Canisters Received by: <b>AG</b>                                       |                                   |                                                                                                                                                                                                                                           |        | Date/Time: <b>4/18/25 PM</b>                                                                                                                                                                                                                      |                                  |             |       |                     |
| Samples Relinquished by: <b>FED</b>                                                                                                        |                |                          |                         | Date/Time: <b>4/19/25</b>                                 |                                    |                            |                           | Received by:                                                           |                                   |                                                                                                                                                                                                                                           |        | Date/Time:                                                                                                                                                                                                                                        |                                  |             |       |                     |
| Relinquished by:                                                                                                                           |                |                          |                         | Date/Time:                                                |                                    |                            |                           | Received by:                                                           |                                   |                                                                                                                                                                                                                                           |        | Date/Time:                                                                                                                                                                                                                                        |                                  |             |       |                     |
|                                                                                                                                            |                |                          |                         |                                                           |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                                                                                                           |        |                                                                                                                                                                                                                                                   |                                  |             |       | <b>B2504022 - 1</b> |

## Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

|                                     |  |                                                       |  |
|-------------------------------------|--|-------------------------------------------------------|--|
| Laboratory: Chemtech                |  | Location: 284 Sheffield Street, Mountainside, NJ 7092 |  |
| <del>Q1844-01</del>                 |  | Title: Sample Custodian                               |  |
| Field Sample Seal No. Q1844         |  | Date Broken 4/18/2025                                 |  |
| Case No.: 545 Sheridan Blvd, Inwood |  | Military Time Seal Broken: 12:00:00                   |  |
|                                     |  | Analytical Parameter/Fraction MOCMS Group 2           |  |

| Sample No. | Aliquot/Extract No. | Sample No. | Aliquot/Extract No. |
|------------|---------------------|------------|---------------------|
| Q1844-01   | SV1                 |            |                     |
| Q1844-02   | IA1                 |            |                     |
|            |                     |            |                     |
|            |                     |            |                     |

| Date | Time | Relinquished By                                                                     |  | Received By                                                                       |  | Purpose of Change of Custody |
|------|------|-------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|------------------------------|
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
| 4/21 | 0820 |  |  |  |  |                              |
|      |      | Printed Name Gase N.                                                                |  | Printed Name Gase N.                                                              |  |                              |
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
|      |      | Printed Name                                                                        |  | Printed Name                                                                      |  |                              |
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
|      |      | Printed Name                                                                        |  | Printed Name                                                                      |  |                              |
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
|      |      | Printed Name                                                                        |  | Printed Name                                                                      |  |                              |
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
|      |      | Printed Name                                                                        |  | Printed Name                                                                      |  |                              |
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
|      |      | Printed Name                                                                        |  | Printed Name                                                                      |  |                              |
|      |      | Signature                                                                           |  | Signature                                                                         |  |                              |
|      |      | Printed Name                                                                        |  | Printed Name                                                                      |  |                              |

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

## Pressure Gauge ID: A25597

Page 33

Order ID : Q1844

| Date       | Bottle ID | Lab Sample Number | InComing Vacuum | Canister ID | Can Size | Reg ID | Reg Size | Batch Code | Certification ID                                                                                               |
|------------|-----------|-------------------|-----------------|-------------|----------|--------|----------|------------|----------------------------------------------------------------------------------------------------------------|
| 04/21/2025 | B2504022  | Q1844-01          | -6.3            | 10321       | 6 L      | 10109  |          | C2504006   | VL042316.D<br>Seq : VL041125<br>TUNE : VL042311.D<br>ICAL : VL042177.D<br>CCAL : VL042312.D<br>MB : VL042313.D |
| 04/21/2025 | B2504022  | Q1844-02          | -5.5            | 10153       | 6 L      | 10185  |          | C2504006   | VL042316.D<br>Seq : VL041125<br>TUNE : VL042311.D<br>ICAL : VL042177.D<br>CCAL : VL042312.D<br>MB : VL042313.D |

600x

**CHEMTECH**

6.4

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #:

SV1  
GFE

Client Name:

Project Name:

SHERIDAN BLVD

Date:

4/19

Time:

Analysis:

TD-15

Comments:

CHEMTECH'S SAMPLE

Date Received:

Storage Location: VOA Lab

Sample: Q1844-01

Cust #: SV1

**CHEMTECH**

284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922

Client Sample ID #:

IA1  
GFE

Client Name:

Project Name:

SHERIDAN BLVD

Date:

4/19

Time:

Analysis:

TD-15

Comments:

CHEMTECH'S SAMPLE

Date Received:

Storage Location: VOA Lab

Sample: Q1844-02

Cust #: IA1