

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041125\  
 Data File : VL042319.D  
 Acq On : 11 Apr 2025 14:27  
 Operator : SY/MD  
 Sample : Q1665-10  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-B10-4-3242025

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 3

Min Area: 3 % of largest Peak

Start Thrs: 0.001

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M

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

Signal : TIC: VL042319.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.431       | 410           | 415         | 420          | rBV      | 4461856        | 5036438       | 15.29%          | 6.311%        |
| 2         | 1.486       | 427           | 432         | 436          | rBV2     | 11872708       | 8270577       | 25.11%          | 10.364%       |
| 3         | 1.561       | 450           | 455         | 459          | rBV      | 769173         | 428453        | 1.30%           | 0.537%        |
| 4         | 1.722       | 500           | 505         | 517          | rBV      | 3136769        | 2001187       | 6.08%           | 2.508%        |
| 5         | 1.836       | 535           | 540         | 547          | rBV      | 4778992        | 3716760       | 11.28%          | 4.657%        |
| 6         | 1.891       | 551           | 557         | 569          | rVB      | 8516802        | 7444641       | 22.60%          | 9.329%        |
| 7         | 2.564       | 756           | 765         | 779          | rBV      | 9828517        | 13918858      | 42.26%          | 17.441%       |
| 8         | 2.790       | 826           | 835         | 841          | rBV      | 681158         | 715232        | 2.17%           | 0.896%        |
| 9         | 2.826       | 841           | 846         | 861          | rVB2     | 301318         | 411098        | 1.25%           | 0.515%        |
| 10        | 3.962       | 1181          | 1197        | 1218         | rBV      | 804813         | 1249606       | 3.79%           | 1.566%        |
| 11        | 8.885       | 2705          | 2718        | 2728         | rBV      | 985107         | 1356122       | 4.12%           | 1.699%        |
| 12        | 10.377      | 3165          | 3179        | 3192         | rBV      | 1273943        | 1448388       | 4.40%           | 1.815%        |
| 13        | 12.044      | 3680          | 3694        | 3704         | rBV      | 839703         | 866648        | 2.63%           | 1.086%        |
| 14        | 13.400      | 4099          | 4113        | 4128         | rBV2     | 19852849       | 32939482      | 100.00%         | 41.276%       |

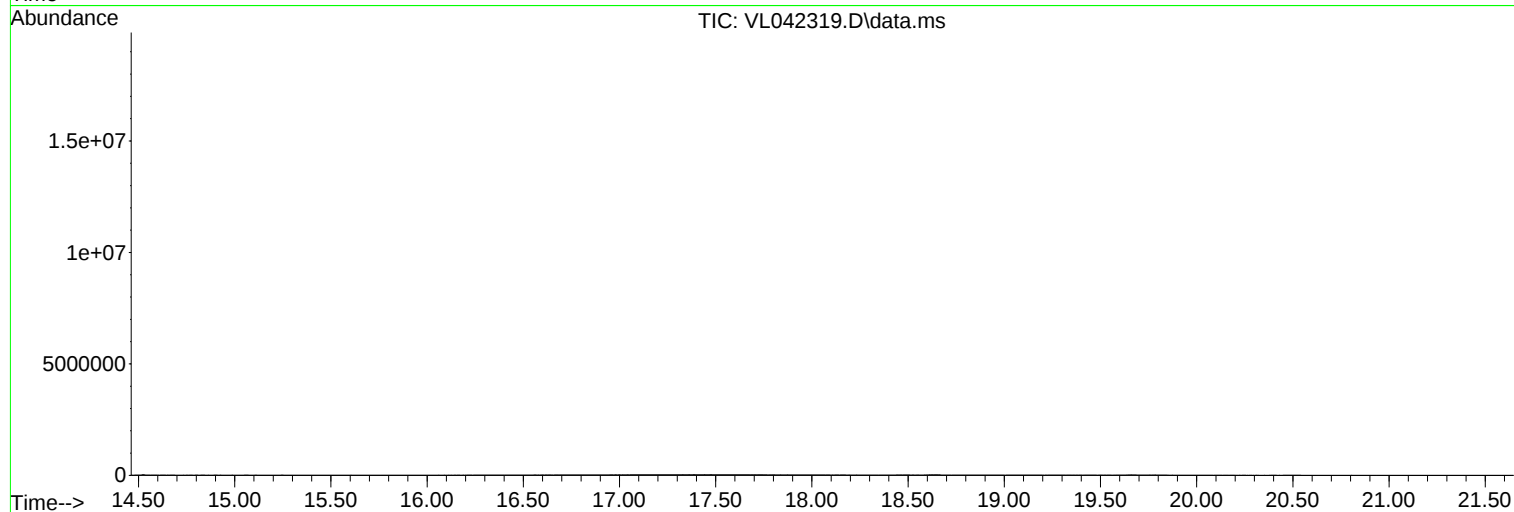
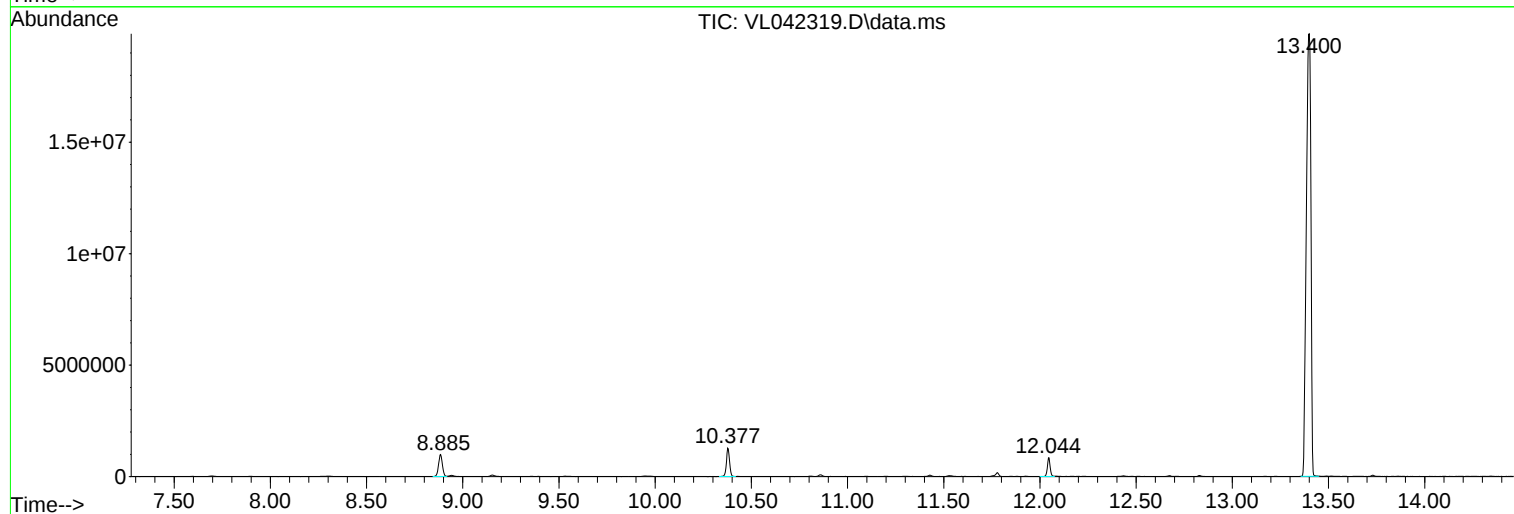
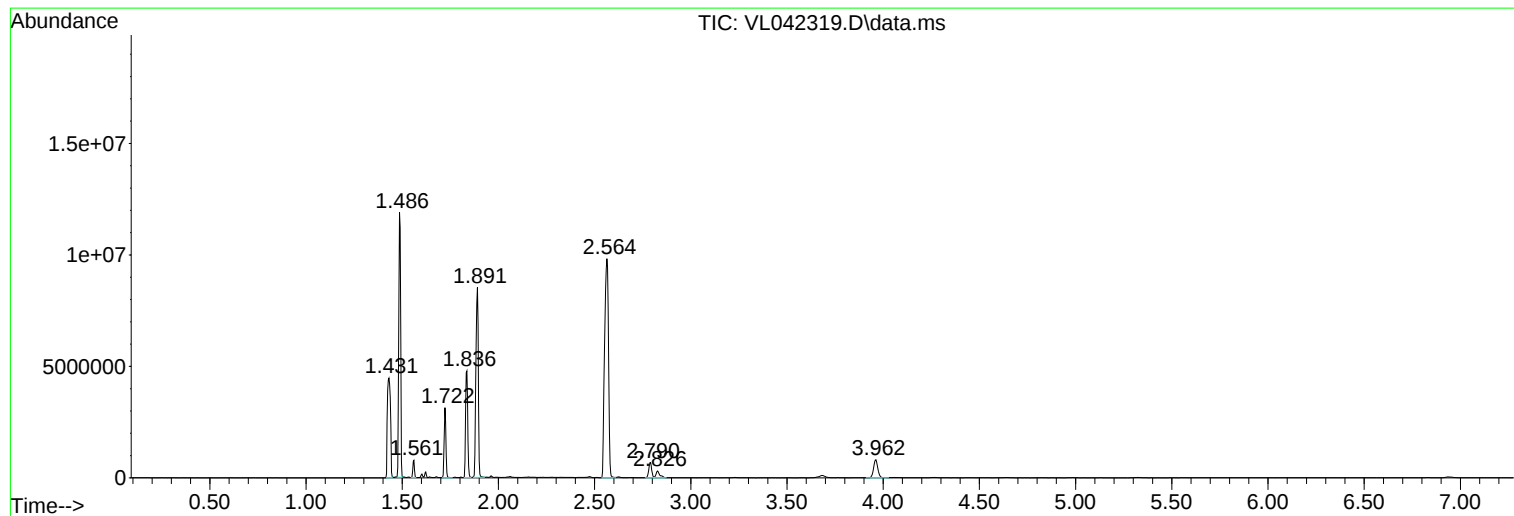
Sum of corrected areas: 79803490

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

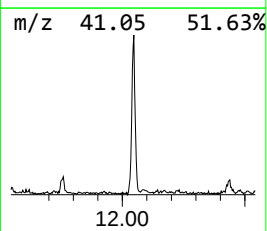
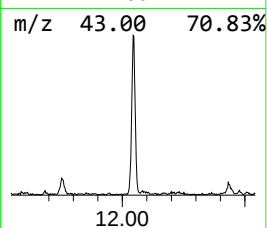
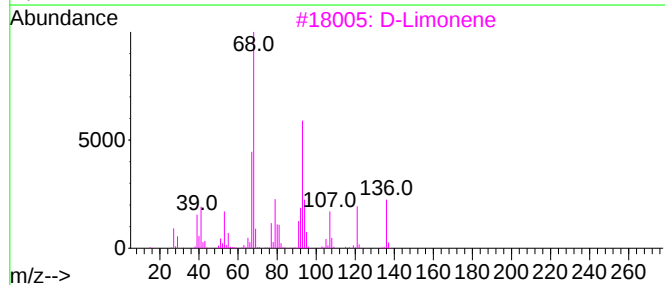
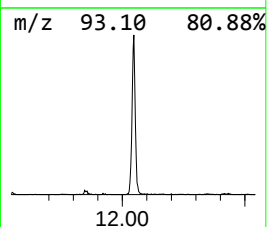
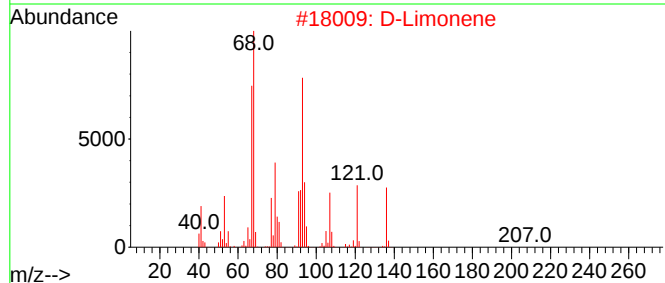
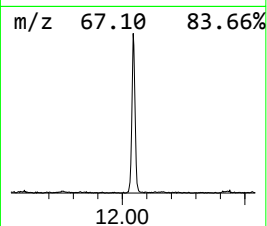
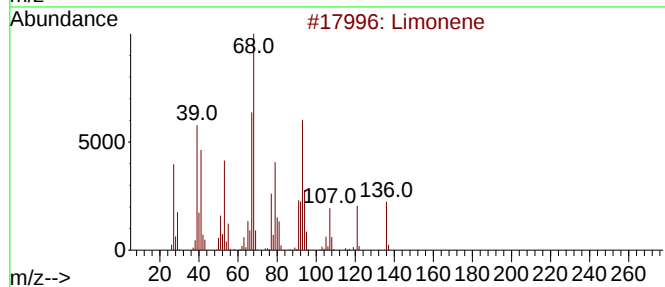
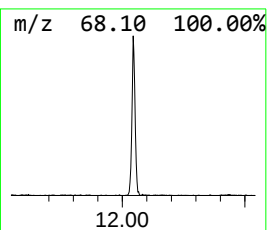
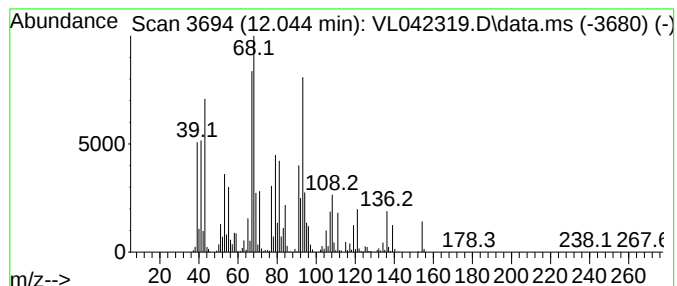
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Limonene Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.  |
|--------|-----------|--------|------------------|-------|
| 12.044 | 6.39 ppbv | 866648 | Chlorobenzene-d5 | 8.885 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Limonene     | 136 | C10H16  | 000138-86-3 | 91   |
| 2    |    |   | D-Limonene   | 136 | C10H16  | 005989-27-5 | 91   |
| 3    |    |   | D-Limonene   | 136 | C10H16  | 005989-27-5 | 70   |
| 4    |    |   | D-Limonene   | 136 | C10H16  | 005989-27-5 | 70   |
| 5    |    |   | D-Limonene   | 136 | C10H16  | 005989-27-5 | 70   |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|--------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |        |         |       |          | #                     | RT    | Resp    | Conc |
| Limonene         | 12.044 | 6.4     | ppbv  | 866648   | 3                     | 8.885 | 1356120 | 10.0 |