

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
 Data File : VL042250.D  
 Acq On : 08 Apr 2025 01:17  
 Operator : SY/MD  
 Sample : Q1725-08 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SSSG-B10-2-03312025

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: VL042250.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         | 1.434       | 411           | 416         | 422          | rBV      | 4492919        | 5124373       | 100.00%         | 24.761%       |
| 2         | 1.492       | 430           | 434         | 443          | rVB      | 297969         | 162176        | 3.16%           | 0.784%        |
| 3         | 1.564       | 452           | 456         | 460          | rBV      | 148915         | 84508         | 1.65%           | 0.408%        |
| 4         | 1.729       | 502           | 507         | 514          | rBV      | 3082608        | 1939692       | 37.85%          | 9.372%        |
| 5         | 1.842       | 538           | 542         | 553          | rBV      | 2357941        | 1567991       | 30.60%          | 7.576%        |
| 6         | 1.894       | 553           | 558         | 571          | rBV      | 3875144        | 2851049       | 55.64%          | 13.776%       |
| 7         | 2.570       | 762           | 767         | 780          | rBV      | 324753         | 318977        | 6.22%           | 1.541%        |
| 8         | 2.803       | 831           | 839         | 846          | rBV      | 717451         | 752038        | 14.68%          | 3.634%        |
| 9         | 2.861       | 846           | 857         | 867          | rVB4     | 54377          | 86688         | 1.69%           | 0.419%        |
| 10        | 3.981       | 1186          | 1203        | 1221         | rBV      | 908099         | 1376068       | 26.85%          | 6.649%        |
| 11        | 6.965       | 2110          | 2125        | 2142         | rBV      | 44607          | 91700         | 1.79%           | 0.443%        |
| 12        | 8.250       | 2510          | 2522        | 2533         | rBV3     | 97022          | 154460        | 3.01%           | 0.746%        |
| 13        | 8.904       | 2706          | 2724        | 2735         | rBV      | 1124419        | 1588270       | 30.99%          | 7.674%        |
| 14        | 9.170       | 2796          | 2806        | 2820         | rBV      | 868864         | 1176622       | 22.96%          | 5.685%        |
| 15        | 9.552       | 2913          | 2924        | 2929         | rBV3     | 49948          | 76587         | 1.49%           | 0.370%        |
| 16        | 9.982       | 3042          | 3057        | 3068         | rBV5     | 31409          | 57667         | 1.13%           | 0.279%        |
| 17        | 10.393      | 3170          | 3184        | 3197         | rBV      | 1415377        | 1671963       | 32.63%          | 8.079%        |
| 18        | 11.555      | 3531          | 3543        | 3552         | rBV4     | 44777          | 64432         | 1.26%           | 0.311%        |
| 19        | 12.060      | 3682          | 3699        | 3708         | rBV      | 1338467        | 1341211       | 26.17%          | 6.481%        |
| 20        | 12.439      | 3805          | 3816        | 3827         | rBV8     | 42462          | 64097         | 1.25%           | 0.310%        |
| 21        | 13.400      | 4104          | 4113        | 4122         | rBV      | 129319         | 145001        | 2.83%           | 0.701%        |

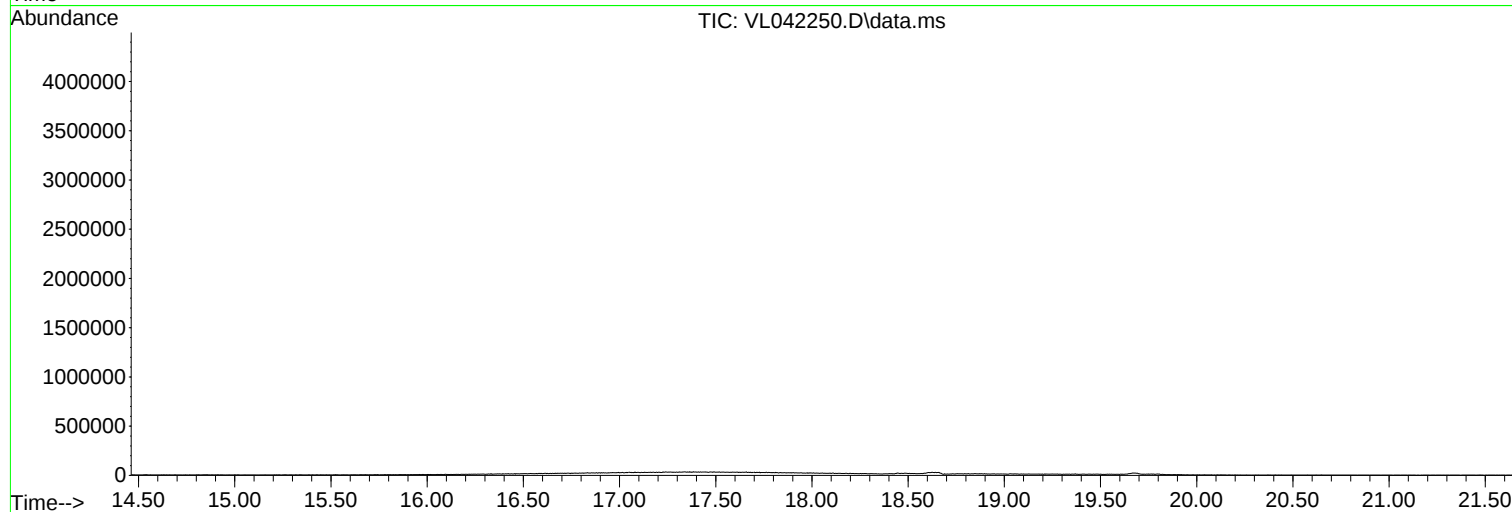
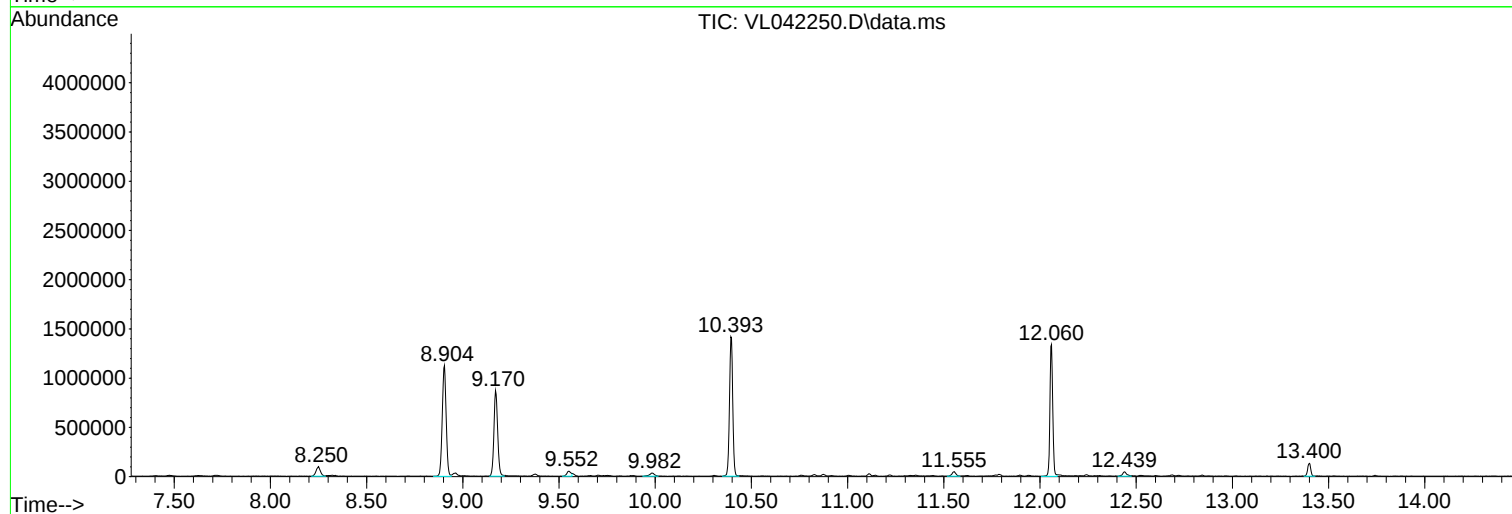
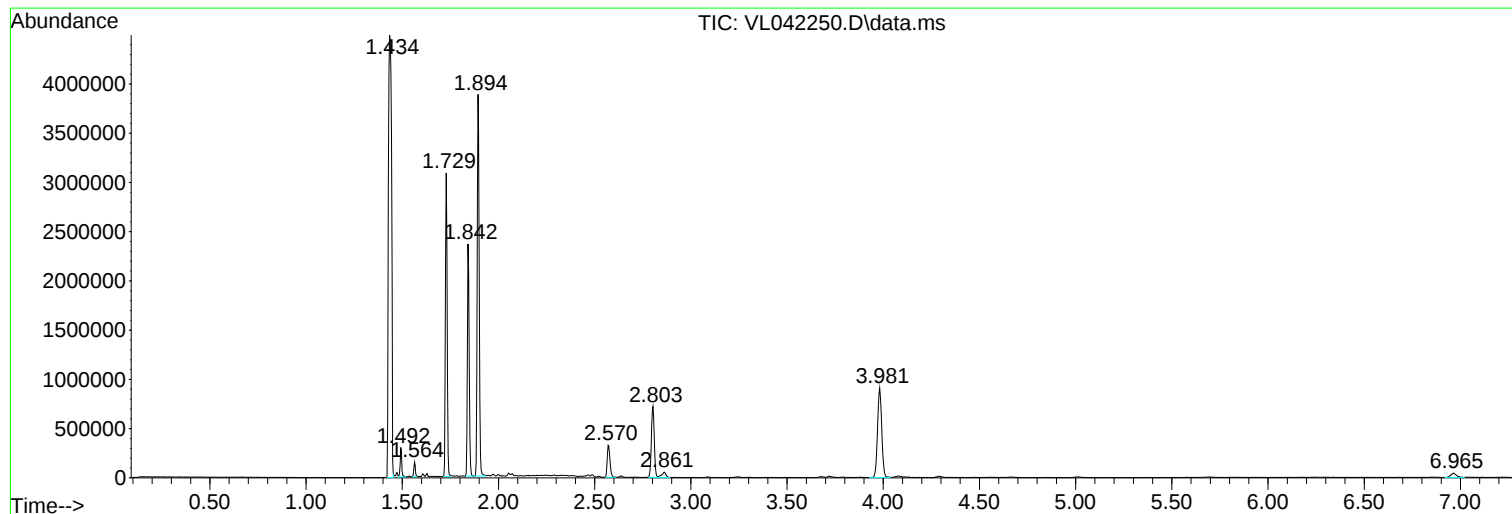
Sum of corrected areas: 20695570

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ClientSampleId :  
SSSG-B10-2-03312025

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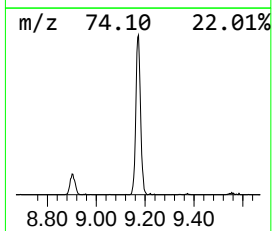
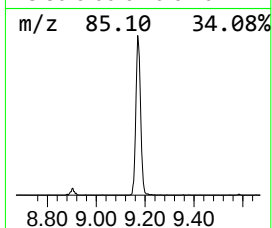
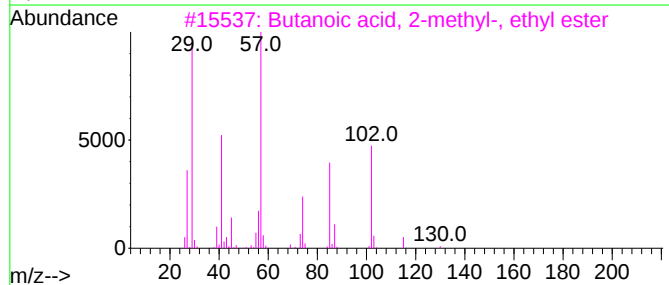
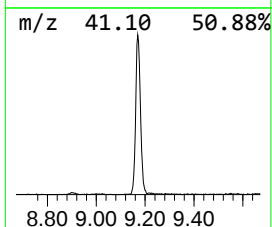
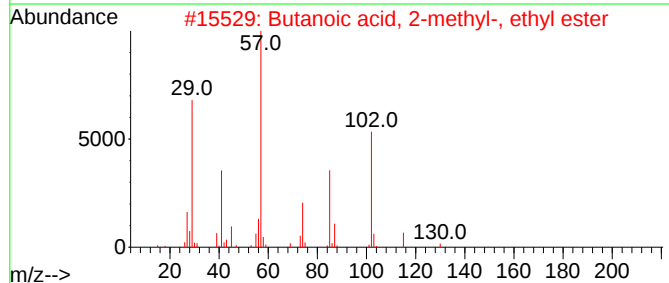
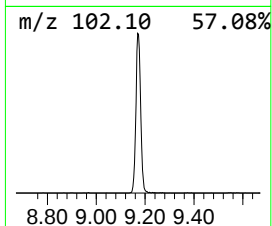
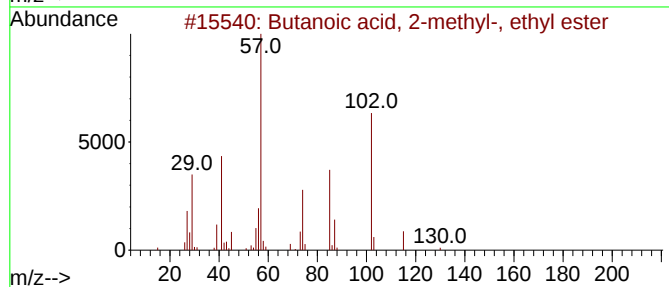
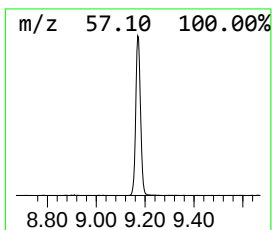
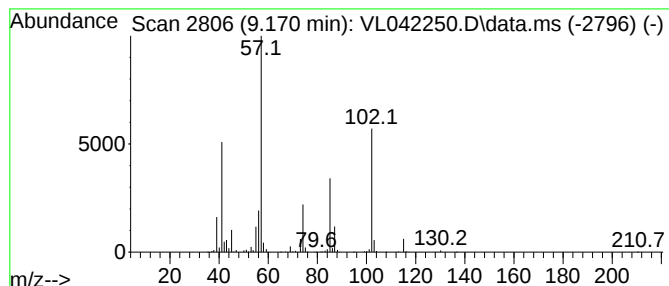
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butanoic acid, 2-methyl-, e... Concentration Rank 3

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 9.170 | 7.41 ppbv | 1176620 | Chlorobenzene-d5 | 8.904 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butanoic acid, 2-methyl-, ethyl ... | 130 | C7H14O2 | 007452-79-1 | 95   |
| 2    |    |   | Butanoic acid, 2-methyl-, ethyl ... | 130 | C7H14O2 | 007452-79-1 | 90   |
| 3    |    |   | Butanoic acid, 2-methyl-, ethyl ... | 130 | C7H14O2 | 007452-79-1 | 90   |
| 4    |    |   | Butanoic acid, 2-methyl-, ethyl ... | 130 | C7H14O2 | 007452-79-1 | 74   |
| 5    |    |   | Butanoic acid, 2-methyl-, ethyl ... | 130 | C7H14O2 | 007452-79-1 | 64   |



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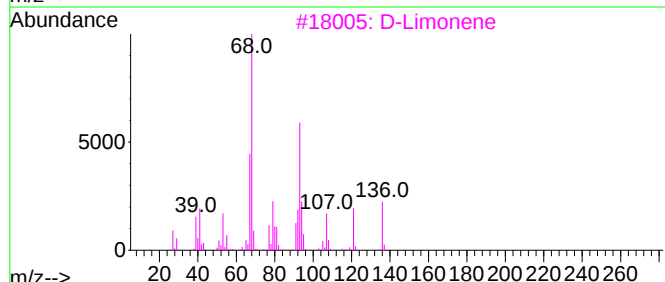
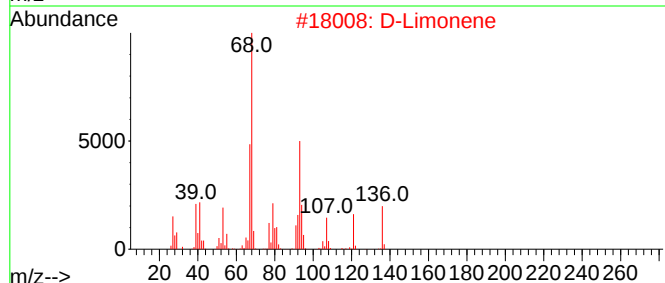
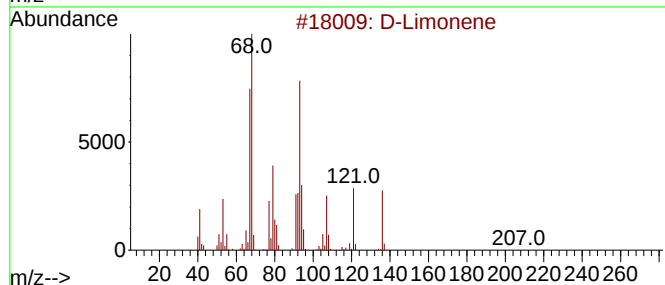
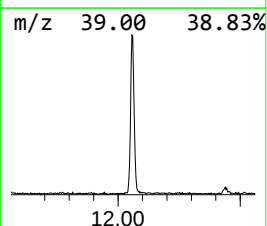
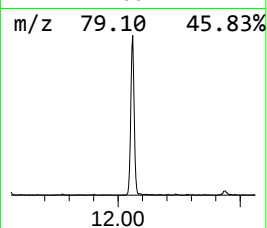
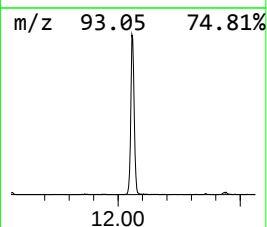
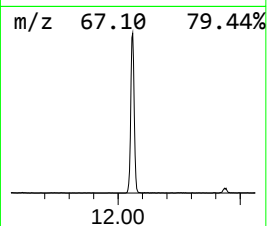
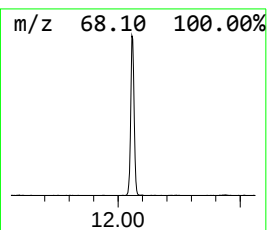
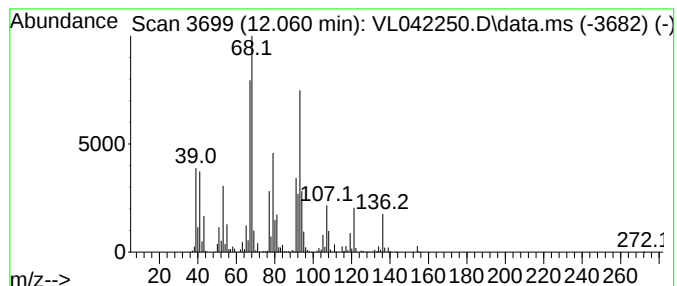
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Peak Number 3 D-Limonene Concentration Rank 2

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.  |
|--------|-----------|---------|------------------|-------|
| 12.060 | 8.44 ppbv | 1341210 | Chlorobenzene-d5 | 8.904 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | D-Limonene                          | 136 | C10H16  | 005989-27-5 | 96   |
| 2    |    |   | D-Limonene                          | 136 | C10H16  | 005989-27-5 | 93   |
| 3    |    |   | D-Limonene                          | 136 | C10H16  | 005989-27-5 | 93   |
| 4    |    |   | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16  | 005989-54-8 | 91   |
| 5    |    |   | Limonene                            | 136 | C10H16  | 000138-86-3 | 89   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |        |         |       |          | #                     | RT    | Resp    | Conc |
| Butanoic acid, ... | 9.170  | 7.4     | ppbv  | 1176620  | 3                     | 8.904 | 1588270 | 10.0 |
| D-Limonene         | 12.060 | 8.4     | ppbv  | 1341210  | 3                     | 8.904 | 1588270 | 10.0 |