

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
 Data File : VU053001.D  
 Acq On : 08 Feb 2023 15:05  
 Operator : JC/MD  
 Sample : VU0208MBL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK044

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
 Title : VOC Analysis

Signal : TIC: VU053001.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         | 1.257       | 44            | 52          | 65           | rVB      | 193312         | 268056        | 20.04%          | 2.553%        |
| 2         | 1.534       | 125           | 138         | 140          | rBV10    | 16131          | 33567         | 2.51%           | 0.320%        |
| 3         | 1.598       | 152           | 158         | 173          | rVB      | 197147         | 230539        | 17.23%          | 2.195%        |
| 4         | 1.913       | 250           | 256         | 268          | rBV      | 153174         | 205763        | 15.38%          | 1.959%        |
| 5         | 2.563       | 448           | 458         | 473          | rVB      | 302028         | 498135        | 37.23%          | 4.743%        |
| 6         | 2.987       | 587           | 590         | 594          | rBV6     | 1304           | 967           | 0.07%           | 0.009%        |
| 7         | 3.016       | 596           | 599         | 601          | rBV4     | 1405           | 1012          | 0.08%           | 0.010%        |
| 8         | 3.116       | 627           | 630         | 636          | rBV7     | 1567           | 1288          | 0.10%           | 0.012%        |
| 9         | 3.283       | 677           | 682         | 686          | rVB7     | 1548           | 1554          | 0.12%           | 0.015%        |
| 10        | 3.537       | 758           | 761         | 769          | rVB9     | 1787           | 1644          | 0.12%           | 0.016%        |
| 11        | 3.575       | 769           | 773         | 775          | rBV4     | 1279           | 959           | 0.07%           | 0.009%        |
| 12        | 3.685       | 804           | 807         | 811          | rBV6     | 1481           | 979           | 0.07%           | 0.009%        |
| 13        | 3.723       | 813           | 819         | 821          | rVV7     | 1135           | 999           | 0.07%           | 0.010%        |
| 14        | 3.990       | 893           | 902         | 907          | rVB10    | 2230           | 2884          | 0.22%           | 0.027%        |
| 15        | 4.058       | 918           | 923         | 925          | rBV5     | 1548           | 1000          | 0.07%           | 0.010%        |
| 16        | 4.077       | 925           | 929         | 932          | rBV5     | 1586           | 1523          | 0.11%           | 0.015%        |
| 17        | 4.125       | 941           | 944         | 951          | rVB7     | 1394           | 1538          | 0.11%           | 0.015%        |
| 18        | 4.196       | 961           | 966         | 970          | rBV6     | 1111           | 1179          | 0.09%           | 0.011%        |
| 19        | 4.273       | 985           | 990         | 995          | rBV9     | 1109           | 1169          | 0.09%           | 0.011%        |
| 20        | 4.399       | 1026          | 1029        | 1031         | rBV3     | 1796           | 994           | 0.07%           | 0.009%        |
| 21        | 4.624       | 1087          | 1099        | 1122         | rBV      | 76126          | 199857        | 14.94%          | 1.903%        |
| 22        | 4.723       | 1128          | 1130        | 1135         | rVB6     | 1591           | 1181          | 0.09%           | 0.011%        |
| 23        | 4.829       | 1157          | 1163        | 1166         | rBV8     | 1657           | 1711          | 0.13%           | 0.016%        |
| 24        | 4.910       | 1184          | 1188        | 1192         | rVV6     | 1346           | 1428          | 0.11%           | 0.014%        |
| 25        | 4.961       | 1201          | 1204        | 1206         | rVV4     | 2528           | 1948          | 0.15%           | 0.019%        |
| 26        | 4.990       | 1210          | 1213        | 1216         | rVV4     | 2146           | 1317          | 0.10%           | 0.013%        |
| 27        | 5.058       | 1219          | 1234        | 1256         | rVV      | 253795         | 559122        | 41.79%          | 5.324%        |
| 28        | 5.225       | 1283          | 1286        | 1293         | rVB8     | 1761           | 1576          | 0.12%           | 0.015%        |
| 29        | 5.292       | 1303          | 1307        | 1311         | rVB7     | 1744           | 1309          | 0.10%           | 0.012%        |
| 30        | 5.382       | 1331          | 1335        | 1337         | rBV5     | 1539           | 1113          | 0.08%           | 0.011%        |
| 31        | 5.427       | 1347          | 1349        | 1354         | rVB5     | 1700           | 1146          | 0.09%           | 0.011%        |
| 32        | 5.453       | 1354          | 1357        | 1359         | rBV4     | 1831           | 1181          | 0.09%           | 0.011%        |
| 33        | 5.469       | 1359          | 1362        | 1366         | rVB6     | 1950           | 1095          | 0.08%           | 0.010%        |
| 34        | 5.720       | 1418          | 1440        | 1459         | rBV2     | 496570         | 1337830       | 100.00%         | 12.739%       |
| 35        | 5.842       | 1476          | 1478        | 1483         | rBV6     | 1506           | 1070          | 0.08%           | 0.010%        |
| 36        | 5.894       | 1488          | 1494        | 1496         | rBV7     | 1529           | 1545          | 0.12%           | 0.015%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
 Data File : VU053001.D  
 Acq On : 08 Feb 2023 15:05  
 Operator : JC/MD  
 Sample : VU0208MBL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK044

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |       |        |         |        |         |
|----|--------|------|------|------|-------|--------|---------|--------|---------|
| 37 | 5.971  | 1513 | 1518 | 1521 | rBV6  | 1141   | 1044    | 0.08%  | 0.010%  |
| 38 | 6.000  | 1525 | 1527 | 1530 | rVB4  | 1595   | 953     | 0.07%  | 0.009%  |
| 39 | 6.029  | 1530 | 1536 | 1540 | rBV8  | 1395   | 1948    | 0.15%  | 0.019%  |
| 40 | 6.048  | 1540 | 1542 | 1550 | rVB9  | 1387   | 1189    | 0.09%  | 0.011%  |
| 41 | 6.244  | 1589 | 1603 | 1623 | rVV   | 369082 | 698422  | 52.21% | 6.651%  |
| 42 | 6.527  | 1687 | 1691 | 1695 | rBV6  | 2082   | 2030    | 0.15%  | 0.019%  |
| 43 | 6.685  | 1722 | 1740 | 1762 | rBV   | 299701 | 596640  | 44.60% | 5.681%  |
| 44 | 6.797  | 1771 | 1775 | 1779 | rBV7  | 1189   | 952     | 0.07%  | 0.009%  |
| 45 | 6.887  | 1800 | 1803 | 1809 | rVB7  | 1402   | 1408    | 0.11%  | 0.013%  |
| 46 | 6.968  | 1826 | 1828 | 1830 | rBV3  | 1757   | 945     | 0.07%  | 0.009%  |
| 47 | 6.990  | 1832 | 1835 | 1840 | rVV7  | 1073   | 948     | 0.07%  | 0.009%  |
| 48 | 7.067  | 1854 | 1859 | 1863 | rBV7  | 2212   | 2215    | 0.17%  | 0.021%  |
| 49 | 7.112  | 1869 | 1873 | 1875 | rBV4  | 1547   | 982     | 0.07%  | 0.009%  |
| 50 | 7.373  | 1951 | 1954 | 1960 | rBV7  | 2318   | 2435    | 0.18%  | 0.023%  |
| 51 | 7.559  | 1998 | 2012 | 2031 | rBV   | 202538 | 360260  | 26.93% | 3.430%  |
| 52 | 7.894  | 2103 | 2116 | 2134 | rBV   | 677039 | 1158181 | 86.57% | 11.029% |
| 53 | 8.009  | 2150 | 2152 | 2157 | rBV6  | 1548   | 1147    | 0.09%  | 0.011%  |
| 54 | 8.173  | 2192 | 2203 | 2220 | rBV   | 139172 | 239877  | 17.93% | 2.284%  |
| 55 | 8.537  | 2312 | 2316 | 2318 | rBV4  | 1823   | 1283    | 0.10%  | 0.012%  |
| 56 | 8.630  | 2334 | 2345 | 2372 | rVV2  | 260586 | 503202  | 37.61% | 4.792%  |
| 57 | 8.775  | 2385 | 2390 | 2392 | rVB6  | 1783   | 1386    | 0.10%  | 0.013%  |
| 58 | 8.803  | 2392 | 2399 | 2404 | rBV10 | 2190   | 3253    | 0.24%  | 0.031%  |
| 59 | 8.874  | 2417 | 2421 | 2423 | rBV4  | 1593   | 1163    | 0.09%  | 0.011%  |
| 60 | 8.939  | 2437 | 2441 | 2443 | rBV4  | 1582   | 1098    | 0.08%  | 0.010%  |
| 61 | 9.061  | 2475 | 2479 | 2482 | rBV6  | 1453   | 1354    | 0.10%  | 0.013%  |
| 62 | 9.295  | 2549 | 2552 | 2556 | rBV6  | 1794   | 1699    | 0.13%  | 0.016%  |
| 63 | 9.350  | 2565 | 2569 | 2575 | rVB8  | 2001   | 1963    | 0.15%  | 0.019%  |
| 64 | 9.411  | 2575 | 2588 | 2607 | rBV   | 508071 | 843105  | 63.02% | 8.028%  |
| 65 | 9.607  | 2645 | 2649 | 2654 | rBV9  | 883    | 1079    | 0.08%  | 0.010%  |
| 66 | 9.668  | 2665 | 2668 | 2670 | rBV3  | 1711   | 1195    | 0.09%  | 0.011%  |
| 67 | 9.688  | 2670 | 2674 | 2678 | rVV7  | 1341   | 1738    | 0.13%  | 0.017%  |
| 68 | 9.749  | 2689 | 2693 | 2697 | rBV7  | 1622   | 1561    | 0.12%  | 0.015%  |
| 69 | 9.977  | 2760 | 2764 | 2767 | rBV6  | 977    | 948     | 0.07%  | 0.009%  |
| 70 | 10.086 | 2794 | 2798 | 2799 | rBV4  | 1746   | 1012    | 0.08%  | 0.010%  |
| 71 | 10.199 | 2827 | 2833 | 2834 | rBV5  | 1861   | 1822    | 0.14%  | 0.017%  |
| 72 | 10.379 | 2885 | 2889 | 2893 | rBV6  | 1574   | 1545    | 0.12%  | 0.015%  |
| 73 | 10.475 | 2916 | 2919 | 2922 | rVV4  | 1499   | 1232    | 0.09%  | 0.012%  |
| 74 | 10.752 | 2993 | 3005 | 3021 | rVV   | 412870 | 665926  | 49.78% | 6.341%  |
| 75 | 10.832 | 3027 | 3030 | 3040 | rVB   | 2323   | 2916    | 0.22%  | 0.028%  |
| 76 | 10.906 | 3044 | 3053 | 3057 | rBV10 | 2265   | 3676    | 0.27%  | 0.035%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
 Data File : VU053001.D  
 Acq On : 08 Feb 2023 15:05  
 Operator : JC/MD  
 Sample : VU0208MBL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK044

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |        |         |        |        |
|-----|--------|------|------|------|-------|--------|---------|--------|--------|
| 77  | 10.929 | 3057 | 3060 | 3064 | rBV6  | 1333   | 1115    | 0.08%  | 0.011% |
| 78  | 10.987 | 3074 | 3078 | 3081 | rBV5  | 1373   | 1147    | 0.09%  | 0.011% |
| 79  | 11.080 | 3103 | 3107 | 3108 | rBV4  | 1960   | 1316    | 0.10%  | 0.013% |
| 80  | 11.141 | 3124 | 3126 | 3137 | rVB10 | 1871   | 1864    | 0.14%  | 0.018% |
| 81  | 11.189 | 3137 | 3141 | 3144 | rVB6  | 1132   | 1112    | 0.08%  | 0.011% |
| 82  | 11.241 | 3152 | 3157 | 3161 | rBV8  | 1578   | 1613    | 0.12%  | 0.015% |
| 83  | 11.350 | 3186 | 3191 | 3193 | rBV4  | 1487   | 1128    | 0.08%  | 0.011% |
| 84  | 11.472 | 3221 | 3229 | 3234 | rBV7  | 3748   | 5206    | 0.39%  | 0.050% |
| 85  | 11.643 | 3280 | 3282 | 3288 | rVB6  | 1963   | 1944    | 0.15%  | 0.019% |
| 86  | 11.675 | 3288 | 3292 | 3295 | rBV6  | 2021   | 2016    | 0.15%  | 0.019% |
| 87  | 11.745 | 3304 | 3314 | 3321 | rBV10 | 4823   | 8040    | 0.60%  | 0.077% |
| 88  | 11.807 | 3321 | 3333 | 3354 | rBV   | 544670 | 878250  | 65.65% | 8.363% |
| 89  | 11.964 | 3378 | 3382 | 3383 | rBV4  | 1352   | 954     | 0.07%  | 0.009% |
| 90  | 12.006 | 3391 | 3395 | 3397 | rBV5  | 1466   | 1153    | 0.09%  | 0.011% |
| 91  | 12.189 | 3439 | 3452 | 3472 | rBV   | 622789 | 1014692 | 75.85% | 9.662% |
| 92  | 13.115 | 3736 | 3740 | 3744 | rBV5  | 1170   | 1255    | 0.09%  | 0.012% |
| 93  | 13.218 | 3764 | 3772 | 3790 | rVB5  | 5852   | 13677   | 1.02%  | 0.130% |
| 94  | 13.446 | 3837 | 3843 | 3846 | rBV6  | 1808   | 2003    | 0.15%  | 0.019% |
| 95  | 13.549 | 3872 | 3875 | 3876 | rBV2  | 1716   | 962     | 0.07%  | 0.009% |
| 96  | 13.835 | 3954 | 3964 | 3979 | rBV7  | 11055  | 21320   | 1.59%  | 0.203% |
| 97  | 13.890 | 3979 | 3981 | 3986 | rBV5  | 1261   | 946     | 0.07%  | 0.009% |
| 98  | 14.086 | 4033 | 4042 | 4051 | rBV   | 20588  | 36174   | 2.70%  | 0.344% |
| 99  | 14.327 | 4110 | 4117 | 4125 | rVB4  | 10757  | 15966   | 1.19%  | 0.152% |
| 100 | 15.038 | 4334 | 4338 | 4342 | rBV5  | 2235   | 1931    | 0.14%  | 0.018% |

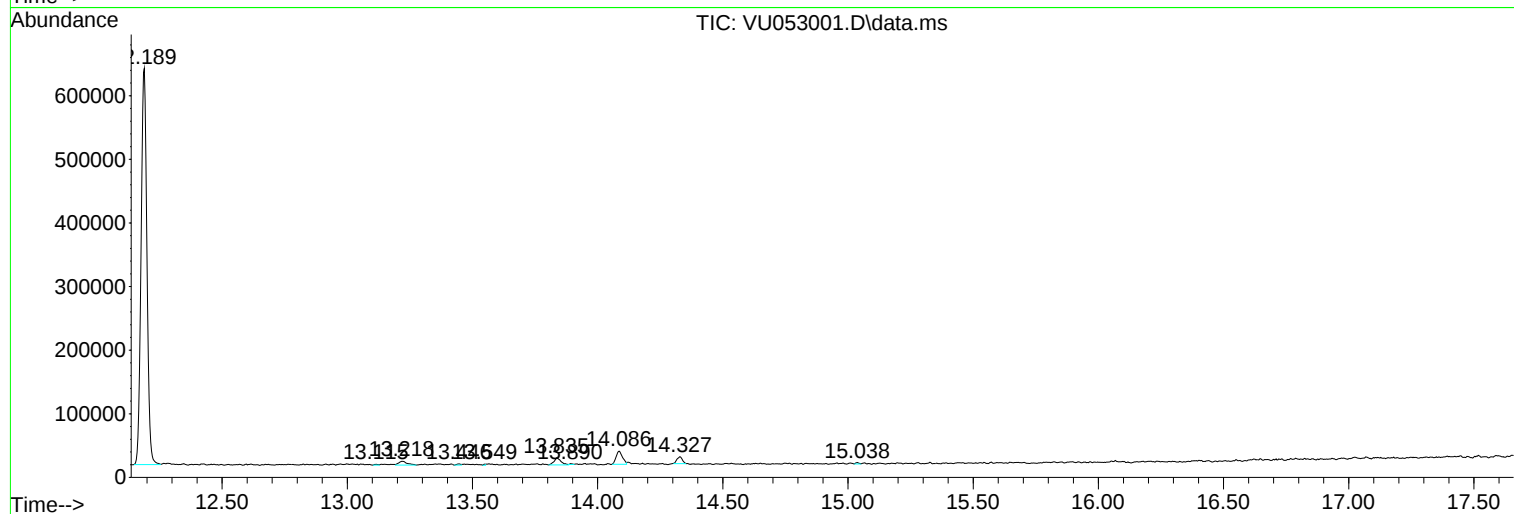
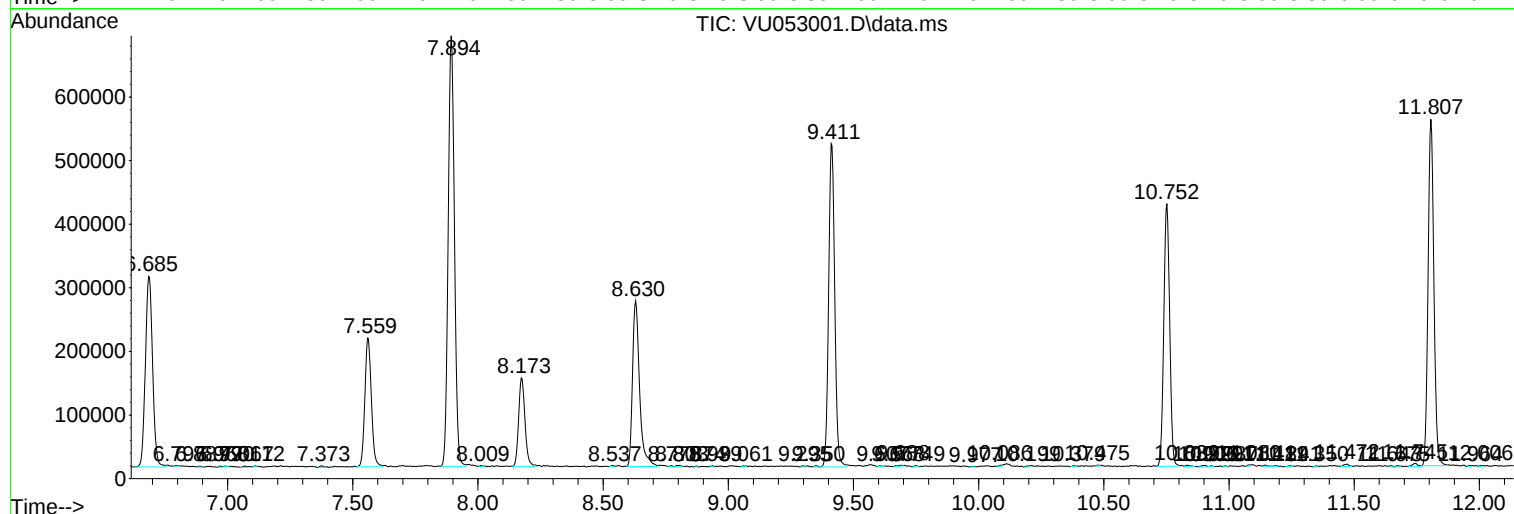
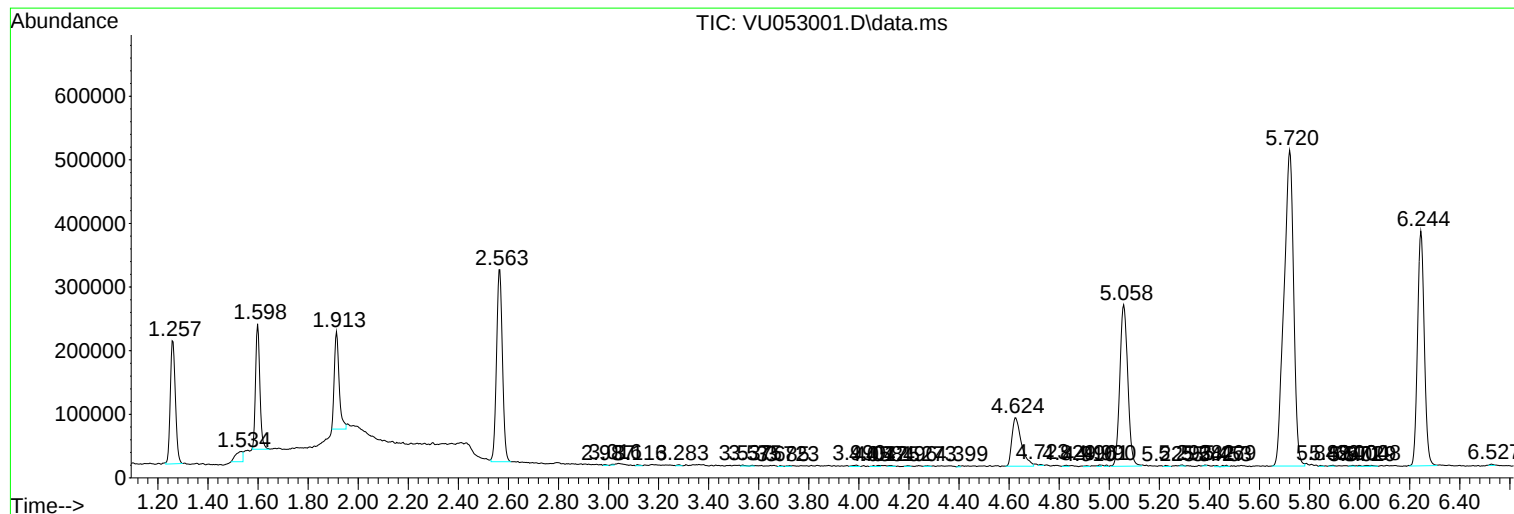
Sum of corrected areas: 10501694

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
Data File : VU053001.D  
Acq On : 08 Feb 2023 15:05  
Operator : JC/MD  
Sample : VU0208MBL01  
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK044

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
Data File : VU053001.D  
Acq On : 08 Feb 2023 15:05  
Operator : JC/MD  
Sample : VU0208MBL01  
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK044

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
Quant Title : VOC Analysis

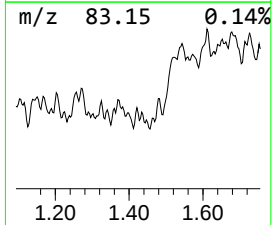
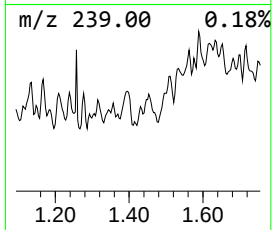
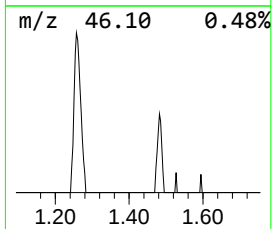
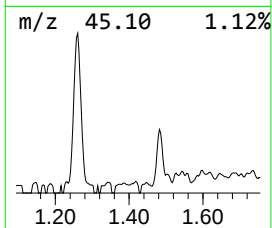
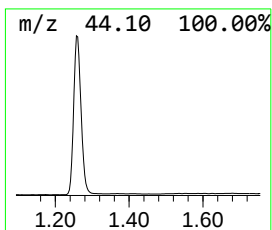
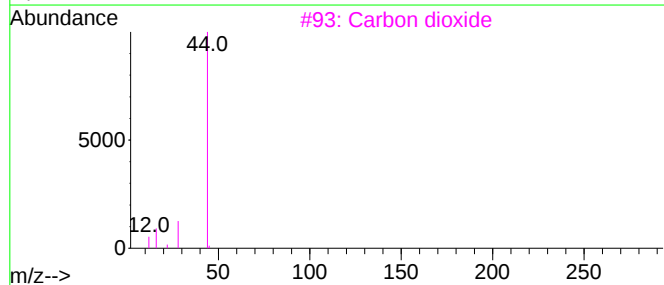
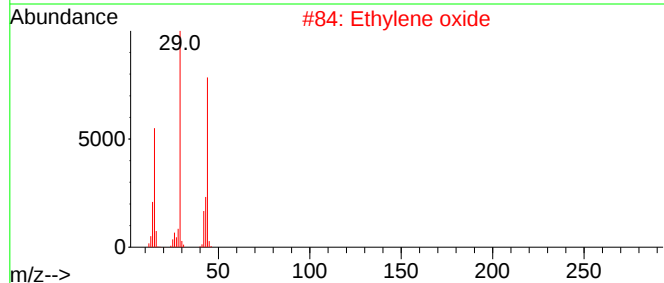
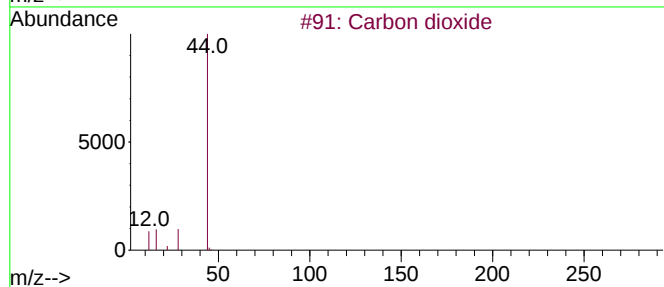
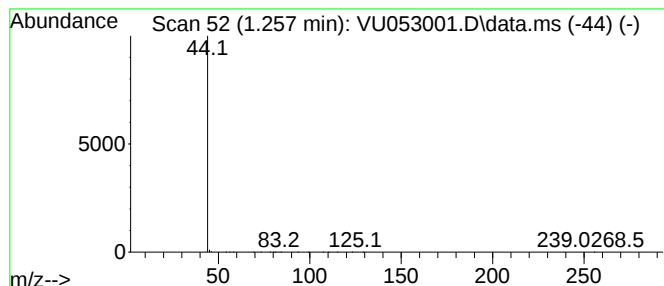
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 1.257 | 19.19 ug/L | 268056 | 1,4-Difluorobenzene | 6.244 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Carbon dioxide | 44 | CO2     | 000124-38-9 | 4    |
| 2    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 3    |
| 3    |    |   | Carbon dioxide | 44 | CO2     | 000124-38-9 | 3    |
| 4    |    |   | Carbon dioxide | 44 | CO2     | 000124-38-9 | 3    |
| 5    |    |   | Nitrous oxide  | 44 | N2O     | 010024-97-2 | 3    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
Data File : VU053001.D  
Acq On : 08 Feb 2023 15:05  
Operator : JC/MD  
Sample : VU0208MBL01  
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK044

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
Quant Title : VOC Analysis

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 1.257 | 19.2    | ug/L  | 268056   | 1                     | 6.244 | 698422 | 50.0 |