

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
 Data File : VU053614.D  
 Acq On : 10 Apr 2023 14:51  
 Operator : JC/MD  
 Sample : 02251-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMC8

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\SFAMULM033123WMA.M

Title : VOC Analysis

Signal : TIC: VU053614.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         | 1.472       | 37            | 41          | 51           | rVB3     | 3036           | 4444          | 0.00%           | 0.001%        |
| 2         | 1.597       | 72            | 80          | 99           | rBV      | 118027         | 138721        | 0.05%           | 0.018%        |
| 3         | 1.909       | 168           | 177         | 194          | rBV      | 92695          | 131231        | 0.05%           | 0.017%        |
| 4         | 2.565       | 368           | 381         | 406          | rVB2     | 194124         | 340640        | 0.12%           | 0.045%        |
| 5         | 2.658       | 406           | 410         | 416          | rVB4     | 776            | 935           | 0.00%           | 0.000%        |
| 6         | 2.748       | 425           | 438         | 446          | rBV2     | 6150           | 10997         | 0.00%           | 0.001%        |
| 7         | 2.835       | 460           | 465         | 470          | rBV2     | 484            | 542           | 0.00%           | 0.000%        |
| 8         | 2.912       | 485           | 489         | 492          | rBV2     | 369            | 336           | 0.00%           | 0.000%        |
| 9         | 3.038       | 523           | 528         | 530          | rBV3     | 983            | 796           | 0.00%           | 0.000%        |
| 10        | 3.073       | 535           | 539         | 540          | rBV3     | 702            | 470           | 0.00%           | 0.000%        |
| 11        | 3.134       | 547           | 558         | 570          | rVB3     | 13364          | 25202         | 0.01%           | 0.003%        |
| 12        | 3.353       | 616           | 626         | 639          | rVB5     | 4745           | 9350          | 0.00%           | 0.001%        |
| 13        | 3.642       | 711           | 716         | 721          | rVB2     | 244            | 319           | 0.00%           | 0.000%        |
| 14        | 3.694       | 727           | 732         | 739          | rVB4     | 1077           | 1040          | 0.00%           | 0.000%        |
| 15        | 4.526       | 971           | 991         | 1007         | rBV4     | 44167          | 107913        | 0.04%           | 0.014%        |
| 16        | 4.613       | 1007          | 1018        | 1049         | rBV      | 68496          | 177092        | 0.06%           | 0.023%        |
| 17        | 5.057       | 1139          | 1156        | 1176         | rBV2     | 158410         | 353694        | 0.13%           | 0.047%        |
| 18        | 5.186       | 1194          | 1196        | 1203         | rVB3     | 695            | 556           | 0.00%           | 0.000%        |
| 19        | 5.385       | 1245          | 1258        | 1278         | rVB2     | 20591          | 46561         | 0.02%           | 0.006%        |
| 20        | 5.465       | 1278          | 1283        | 1287         | rBV2     | 427            | 374           | 0.00%           | 0.000%        |
| 21        | 5.507       | 1292          | 1296        | 1299         | rBV2     | 390            | 296           | 0.00%           | 0.000%        |
| 22        | 5.629       | 1330          | 1334        | 1336         | rBV2     | 499            | 297           | 0.00%           | 0.000%        |
| 23        | 5.816       | 1343          | 1392        | 1411         | rBV5     | 69554542       | 278061159     | 100.00%         | 36.740%       |
| 24        | 6.247       | 1515          | 1526        | 1549         | rVB      | 341344         | 635927        | 0.23%           | 0.084%        |
| 25        | 6.536       | 1604          | 1616        | 1629         | rVB7     | 16785          | 35282         | 0.01%           | 0.005%        |
| 26        | 6.607       | 1634          | 1638        | 1645         | rBV5     | 694            | 851           | 0.00%           | 0.000%        |
| 27        | 6.687       | 1649          | 1663        | 1679         | rBV      | 211725         | 418231        | 0.15%           | 0.055%        |
| 28        | 6.919       | 1733          | 1735        | 1741         | rBV3     | 452            | 433           | 0.00%           | 0.000%        |
| 29        | 6.967       | 1741          | 1750        | 1761         | rBV8     | 3325           | 6530          | 0.00%           | 0.001%        |
| 30        | 7.128       | 1797          | 1800        | 1806         | rBV3     | 546            | 410           | 0.00%           | 0.000%        |
| 31        | 7.192       | 1810          | 1820        | 1828         | rVB8     | 1278           | 2444          | 0.00%           | 0.000%        |
| 32        | 7.407       | 1881          | 1887        | 1889         | rBV4     | 1431           | 1418          | 0.00%           | 0.000%        |
| 33        | 7.465       | 1899          | 1905        | 1912         | rBV      | 627            | 586           | 0.00%           | 0.000%        |
| 34        | 7.562       | 1922          | 1935        | 1952         | rBV      | 121301         | 211040        | 0.08%           | 0.028%        |
| 35        | 7.687       | 1969          | 1974        | 1975         | rBV4     | 651            | 499           | 0.00%           | 0.000%        |
| 36        | 7.790       | 2001          | 2006        | 2013         | rVV5     | 595            | 785           | 0.00%           | 0.000%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
 Data File : VU053614.D  
 Acq On : 10 Apr 2023 14:51  
 Operator : JC/MD  
 Sample : 02251-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMC8

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\SFAMULM033123WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |       |          |           |        |         |
|----|--------|------|------|------|-------|----------|-----------|--------|---------|
| 37 | 7.896  | 2025 | 2039 | 2054 | rBV   | 449340   | 773979    | 0.28%  | 0.102%  |
| 38 | 8.041  | 2081 | 2084 | 2088 | rVB4  | 442      | 305       | 0.00%  | 0.000%  |
| 39 | 8.176  | 2112 | 2126 | 2143 | rBV   | 85368    | 145348    | 0.05%  | 0.019%  |
| 40 | 8.359  | 2176 | 2183 | 2186 | rBV3  | 302      | 365       | 0.00%  | 0.000%  |
| 41 | 8.394  | 2189 | 2194 | 2198 | rBV2  | 497      | 556       | 0.00%  | 0.000%  |
| 42 | 8.468  | 2212 | 2217 | 2226 | rVV3  | 1002     | 1355      | 0.00%  | 0.000%  |
| 43 | 8.552  | 2239 | 2243 | 2248 | rVB4  | 725      | 580       | 0.00%  | 0.000%  |
| 44 | 8.629  | 2256 | 2267 | 2298 | rBV   | 230508   | 430687    | 0.15%  | 0.057%  |
| 45 | 8.735  | 2298 | 2300 | 2303 | rVB3  | 911      | 438       | 0.00%  | 0.000%  |
| 46 | 8.787  | 2310 | 2316 | 2319 | rBV3  | 861      | 711       | 0.00%  | 0.000%  |
| 47 | 8.890  | 2345 | 2348 | 2352 | rVB2  | 436      | 398       | 0.00%  | 0.000%  |
| 48 | 8.912  | 2352 | 2355 | 2358 | rBV   | 425      | 310       | 0.00%  | 0.000%  |
| 49 | 8.992  | 2376 | 2380 | 2386 | rBV2  | 260      | 336       | 0.00%  | 0.000%  |
| 50 | 9.063  | 2399 | 2402 | 2407 | rVB   | 443      | 393       | 0.00%  | 0.000%  |
| 51 | 9.195  | 2440 | 2443 | 2448 | rVB   | 462      | 338       | 0.00%  | 0.000%  |
| 52 | 9.481  | 2499 | 2532 | 2580 | rBV5  | 84680070 | 275168720 | 98.96% | 36.358% |
| 53 | 10.214 | 2757 | 2760 | 2762 | rBV2  | 899      | 543       | 0.00%  | 0.000%  |
| 54 | 10.449 | 2829 | 2833 | 2836 | rBV4  | 457      | 441       | 0.00%  | 0.000%  |
| 55 | 10.472 | 2837 | 2840 | 2844 | rVB3  | 663      | 529       | 0.00%  | 0.000%  |
| 56 | 10.491 | 2844 | 2846 | 2848 | rBV2  | 518      | 312       | 0.00%  | 0.000%  |
| 57 | 10.751 | 2916 | 2927 | 2953 | rVB   | 318275   | 566334    | 0.20%  | 0.075%  |
| 58 | 10.896 | 2970 | 2972 | 2976 | rVB3  | 664      | 392       | 0.00%  | 0.000%  |
| 59 | 10.983 | 2987 | 2999 | 3011 | rBV2  | 17865    | 28654     | 0.01%  | 0.004%  |
| 60 | 11.057 | 3018 | 3022 | 3027 | rBV4  | 852      | 824       | 0.00%  | 0.000%  |
| 61 | 11.099 | 3027 | 3035 | 3046 | rVV   | 9088     | 13982     | 0.01%  | 0.002%  |
| 62 | 11.275 | 3087 | 3090 | 3094 | rBV3  | 621      | 623       | 0.00%  | 0.000%  |
| 63 | 11.465 | 3146 | 3149 | 3150 | rBV2  | 732      | 401       | 0.00%  | 0.000%  |
| 64 | 11.507 | 3156 | 3162 | 3166 | rBV4  | 519      | 711       | 0.00%  | 0.000%  |
| 65 | 11.680 | 3211 | 3216 | 3221 | rBV4  | 558      | 560       | 0.00%  | 0.000%  |
| 66 | 11.745 | 3221 | 3236 | 3248 | rBV   | 4208441  | 6783659   | 2.44%  | 0.896%  |
| 67 | 11.848 | 3248 | 3268 | 3314 | rVB3  | 67782951 | 120682373 | 43.40% | 15.946% |
| 68 | 12.063 | 3333 | 3335 | 3336 | rBV2  | 1218     | 553       | 0.00%  | 0.000%  |
| 69 | 12.217 | 3362 | 3383 | 3417 | rBV2  | 41466116 | 68707449  | 24.71% | 9.078%  |
| 70 | 12.677 | 3520 | 3526 | 3530 | rBV10 | 1211     | 1455      | 0.00%  | 0.000%  |
| 71 | 12.815 | 3563 | 3569 | 3574 | rVB6  | 639      | 870       | 0.00%  | 0.000%  |
| 72 | 12.967 | 3607 | 3616 | 3626 | rBV3  | 9638     | 15724     | 0.01%  | 0.002%  |
| 73 | 13.041 | 3634 | 3639 | 3641 | rBV4  | 564      | 606       | 0.00%  | 0.000%  |
| 74 | 13.053 | 3641 | 3643 | 3646 | rVB   | 686      | 310       | 0.00%  | 0.000%  |
| 75 | 13.069 | 3646 | 3648 | 3650 | rBV2  | 561      | 309       | 0.00%  | 0.000%  |
| 76 | 13.143 | 3663 | 3671 | 3672 | rBV3  | 3947     | 3752      | 0.00%  | 0.000%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
 Data File : VU053614.D  
 Acq On : 10 Apr 2023 14:51  
 Operator : JC/MD  
 Sample : 02251-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMC8

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\SFAMULM033123WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |       |        |
|-----|--------|------|------|------|------|---------|---------|-------|--------|
| 77  | 13.217 | 3687 | 3694 | 3703 | rVB8 | 3894    | 5251    | 0.00% | 0.001% |
| 78  | 13.346 | 3731 | 3734 | 3737 | rBV2 | 423     | 323     | 0.00% | 0.000% |
| 79  | 13.381 | 3741 | 3745 | 3749 | rVB6 | 604     | 559     | 0.00% | 0.000% |
| 80  | 13.417 | 3753 | 3756 | 3760 | rBV3 | 720     | 618     | 0.00% | 0.000% |
| 81  | 13.468 | 3769 | 3772 | 3775 | rBV2 | 707     | 444     | 0.00% | 0.000% |
| 82  | 13.487 | 3775 | 3778 | 3783 | rBV4 | 534     | 555     | 0.00% | 0.000% |
| 83  | 13.574 | 3801 | 3805 | 3811 | rVV2 | 579     | 589     | 0.00% | 0.000% |
| 84  | 13.632 | 3821 | 3823 | 3826 | rVV2 | 510     | 326     | 0.00% | 0.000% |
| 85  | 13.835 | 3873 | 3886 | 3908 | rBV  | 1742112 | 2714027 | 0.98% | 0.359% |
| 86  | 14.002 | 3936 | 3938 | 3941 | rVB3 | 752     | 431     | 0.00% | 0.000% |
| 87  | 14.082 | 3957 | 3963 | 3978 | rVB2 | 7320    | 12619   | 0.00% | 0.002% |
| 88  | 14.163 | 3984 | 3988 | 3990 | rBV2 | 600     | 393     | 0.00% | 0.000% |
| 89  | 14.201 | 3996 | 4000 | 4003 | rBV2 | 467     | 432     | 0.00% | 0.000% |
| 90  | 14.327 | 4026 | 4039 | 4051 | rBV2 | 14210   | 22710   | 0.01% | 0.003% |
| 91  | 14.745 | 4162 | 4169 | 4172 | rBV4 | 770     | 873     | 0.00% | 0.000% |
| 92  | 14.819 | 4188 | 4192 | 4195 | rVB4 | 469     | 306     | 0.00% | 0.000% |
| 93  | 15.102 | 4277 | 4280 | 4284 | rBV3 | 441     | 329     | 0.00% | 0.000% |
| 94  | 15.388 | 4366 | 4369 | 4373 | rVV3 | 687     | 665     | 0.00% | 0.000% |
| 95  | 15.413 | 4373 | 4377 | 4384 | rVV5 | 1191    | 1467    | 0.00% | 0.000% |
| 96  | 15.639 | 4444 | 4447 | 4450 | rBV2 | 474     | 394     | 0.00% | 0.000% |
| 97  | 15.809 | 4496 | 4500 | 4501 | rBV2 | 700     | 487     | 0.00% | 0.000% |
| 98  | 15.848 | 4508 | 4512 | 4514 | rBV3 | 1084    | 779     | 0.00% | 0.000% |
| 99  | 15.860 | 4514 | 4516 | 4519 | rVB  | 689     | 325     | 0.00% | 0.000% |
| 100 | 16.002 | 4555 | 4560 | 4564 | rBV4 | 1494    | 1546    | 0.00% | 0.000% |

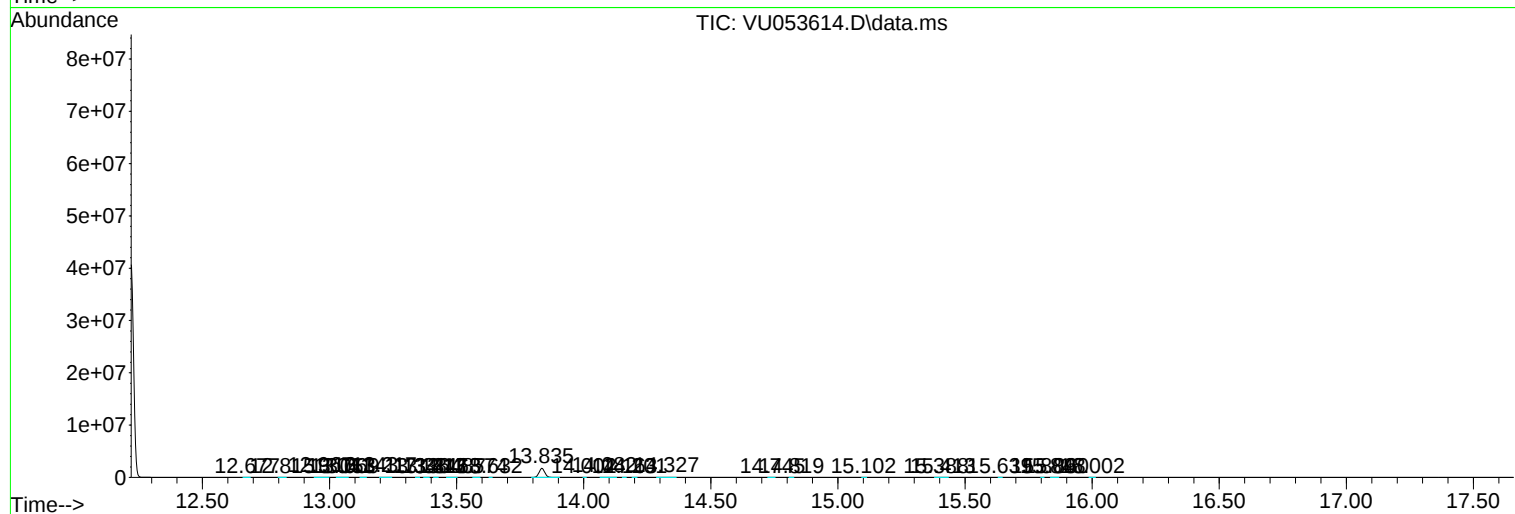
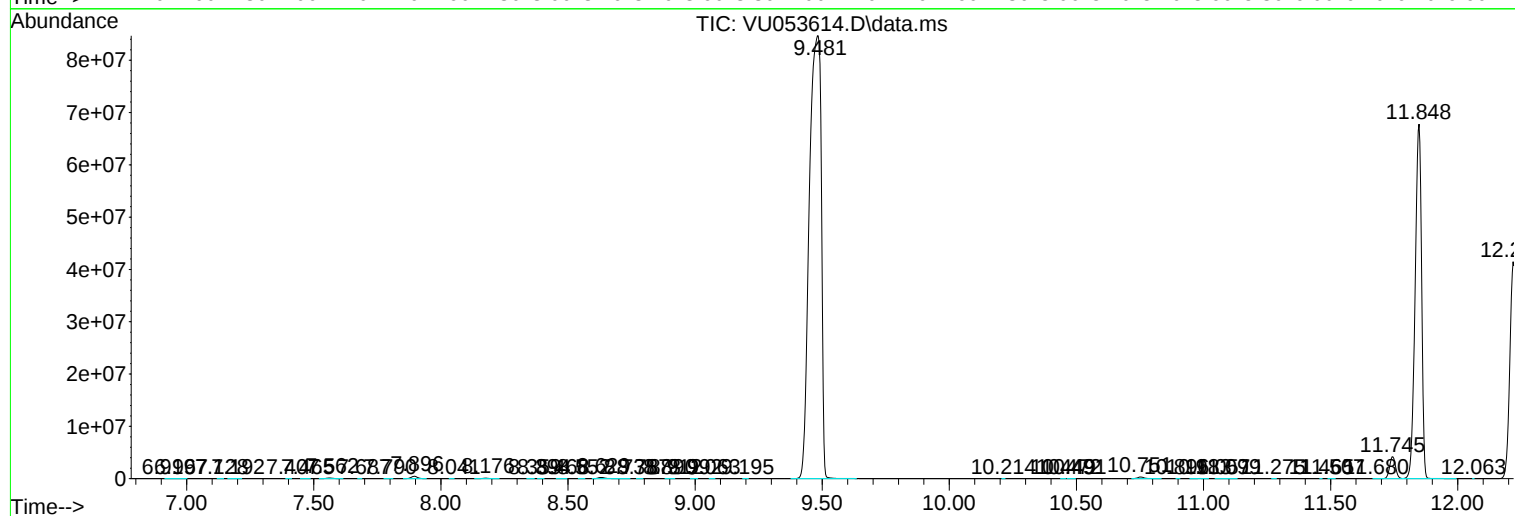
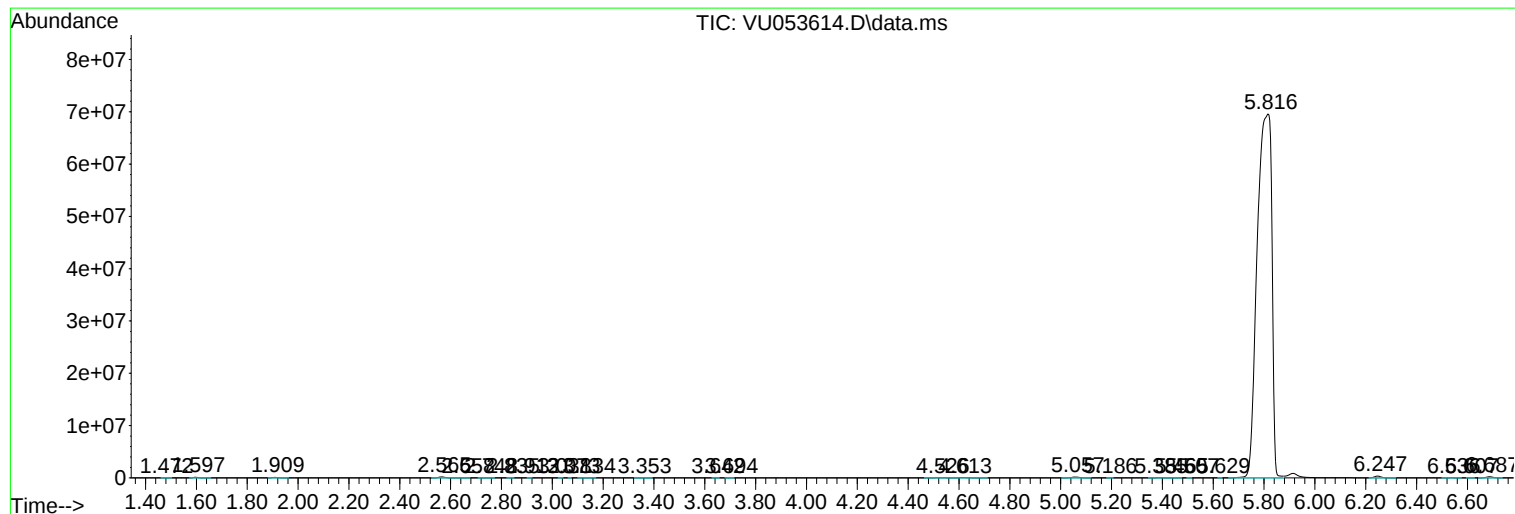
Sum of corrected areas: 756830034

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
Data File : VU053614.D  
Acq On : 10 Apr 2023 14:51  
Operator : JC/MD  
Sample : 02251-10  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COMC8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
Data File : VU053614.D  
Acq On : 10 Apr 2023 14:51  
Operator : JC/MD  
Sample : 02251-10  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COMC8

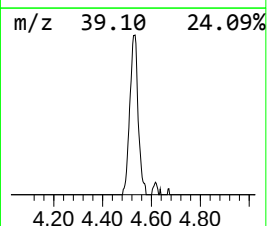
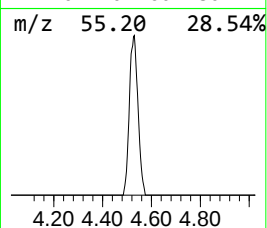
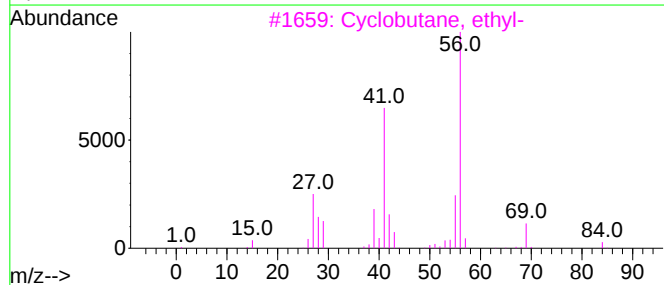
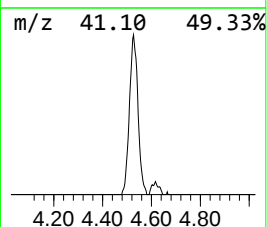
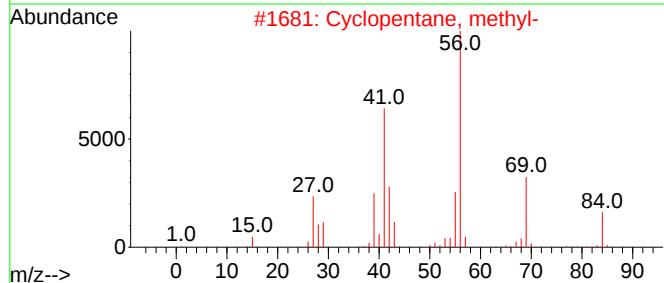
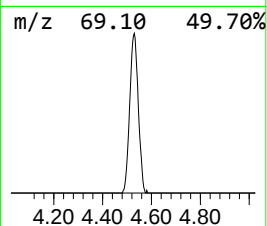
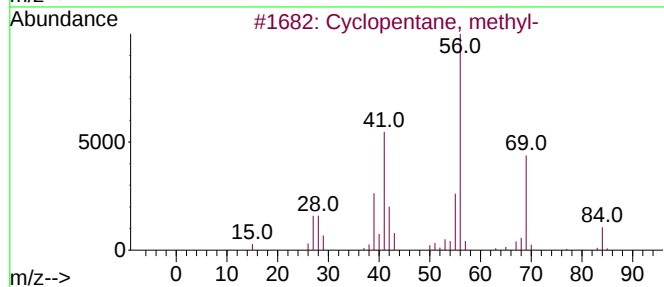
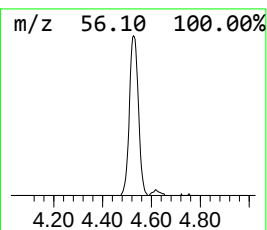
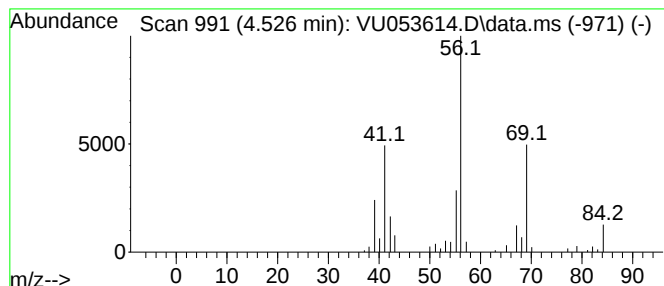
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic4.526 Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 4.526 | 8.48 ug/L | 107913 | 1,4-Difluorobenzene | 6.247 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 78   |
| 3    |    |   | Cyclobutane, ethyl-   | 84 | C6H12   | 004806-61-5 | 72   |
| 4    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 72   |
| 5    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
Data File : VU053614.D  
Acq On : 10 Apr 2023 14:51  
Operator : JC/MD  
Sample : 02251-10  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0MC8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.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 |
| (DEL) Alkane: C... | 4.526 | 8.5     | ug/L  | 107913   | 1                     | 6.247 | 635927 | 50.0 |