

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032921\  
 Data File : VV020803.D  
 Acq On : 29 Mar 2021 14:27  
 Operator : SY/MD  
 Sample : M1816-10  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3G3

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\_V\Method\SOMVLM032321WMA.M

Title : VOC Analysis

Signal : TIC: VV020803.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         | 1.307       | 77            | 83          | 100          | rVB      | 298869         | 300776        | 12.86%          | 1.608%        |
| 2         | 1.571       | 157           | 165         | 179          | rVB      | 233308         | 264541        | 11.31%          | 1.414%        |
| 3         | 2.111       | 320           | 333         | 348          | rBV      | 554050         | 827913        | 35.40%          | 4.427%        |
| 4         | 2.622       | 491           | 492         | 494          | rBV      | 479            | 159           | 0.01%           | 0.001%        |
| 5         | 2.638       | 494           | 497         | 499          | rVV3     | 1249           | 555           | 0.02%           | 0.003%        |
| 6         | 2.767       | 526           | 537         | 551          | rVB4     | 13812          | 26777         | 1.14%           | 0.143%        |
| 7         | 2.892       | 572           | 576         | 577          | rBV      | 472            | 306           | 0.01%           | 0.002%        |
| 8         | 2.957       | 588           | 596         | 598          | rBV4     | 2131           | 2526          | 0.11%           | 0.014%        |
| 9         | 3.044       | 612           | 623         | 645          | rVB4     | 53555          | 107834        | 4.61%           | 0.577%        |
| 10        | 3.163       | 655           | 660         | 661          | rBV3     | 564            | 456           | 0.02%           | 0.002%        |
| 11        | 3.217       | 675           | 677         | 679          | rBV2     | 507            | 257           | 0.01%           | 0.001%        |
| 12        | 3.259       | 687           | 690         | 694          | rVB2     | 844            | 516           | 0.02%           | 0.003%        |
| 13        | 3.323       | 706           | 710         | 711          | rBV      | 539            | 352           | 0.02%           | 0.002%        |
| 14        | 3.349       | 716           | 718         | 722          | rVB      | 864            | 506           | 0.02%           | 0.003%        |
| 15        | 3.378       | 722           | 727         | 730          | rBV3     | 618            | 586           | 0.03%           | 0.003%        |
| 16        | 3.468       | 754           | 755         | 757          | rVB      | 196            | 67            | 0.00%           | 0.000%        |
| 17        | 3.487       | 757           | 761         | 763          | rBV2     | 407            | 242           | 0.01%           | 0.001%        |
| 18        | 3.561       | 781           | 784         | 785          | rBV2     | 555            | 311           | 0.01%           | 0.002%        |
| 19        | 3.613       | 798           | 800         | 802          | rVB2     | 647            | 202           | 0.01%           | 0.001%        |
| 20        | 3.626       | 802           | 804         | 807          | rBV      | 316            | 173           | 0.01%           | 0.001%        |
| 21        | 3.642       | 807           | 809         | 811          | rBV      | 336            | 194           | 0.01%           | 0.001%        |
| 22        | 3.667       | 815           | 817         | 819          | rBV      | 543            | 284           | 0.01%           | 0.002%        |
| 23        | 3.706       | 825           | 829         | 831          | rBV2     | 357            | 258           | 0.01%           | 0.001%        |
| 24        | 3.767       | 832           | 848         | 870          | rVV4     | 104765         | 265403        | 11.35%          | 1.419%        |
| 25        | 3.886       | 875           | 885         | 913          | rBV      | 146255         | 412111        | 17.62%          | 2.204%        |
| 26        | 4.352       | 1015          | 1030        | 1066         | rBV2     | 401835         | 992916        | 42.46%          | 5.309%        |
| 27        | 4.818       | 1173          | 1175        | 1177         | rBV2     | 613            | 364           | 0.02%           | 0.002%        |
| 28        | 4.912       | 1199          | 1204        | 1208         | rBV      | 584            | 512           | 0.02%           | 0.003%        |
| 29        | 4.950       | 1214          | 1216        | 1218         | rVB2     | 495            | 212           | 0.01%           | 0.001%        |
| 30        | 4.970       | 1218          | 1222        | 1224         | rBV3     | 548            | 352           | 0.02%           | 0.002%        |
| 31        | 4.986       | 1224          | 1227        | 1228         | rBV      | 301            | 154           | 0.01%           | 0.001%        |
| 32        | 5.050       | 1229          | 1247        | 1273         | rBV2     | 903137         | 2338731       | 100.00%         | 12.505%       |
| 33        | 5.404       | 1355          | 1357        | 1359         | rBV3     | 985            | 365           | 0.02%           | 0.002%        |
| 34        | 5.548       | 1400          | 1402        | 1404         | rBV2     | 970            | 420           | 0.02%           | 0.002%        |
| 35        | 5.619       | 1412          | 1424        | 1456         | rBV      | 770972         | 1545729       | 66.09%          | 8.265%        |
| 36        | 5.912       | 1501          | 1515        | 1529         | rBV4     | 29574          | 66731         | 2.85%           | 0.357%        |

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 MSVOA\_V  
 ClientSampleId :  
 BG3G3

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\_V\Method\SOMVLM032321WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 6.072  | 1551 | 1565 | 1600 | rBV  | 509722  | 1042551 | 44.58% | 5.574%  |
| 38 | 6.301  | 1633 | 1636 | 1638 | rBV4 | 1027    | 706     | 0.03%  | 0.004%  |
| 39 | 6.346  | 1648 | 1650 | 1653 | rBV4 | 607     | 353     | 0.02%  | 0.002%  |
| 40 | 6.407  | 1667 | 1669 | 1672 | rBV3 | 706     | 565     | 0.02%  | 0.003%  |
| 41 | 6.461  | 1683 | 1686 | 1689 | rBV3 | 350     | 260     | 0.01%  | 0.001%  |
| 42 | 6.503  | 1695 | 1699 | 1701 | rBV2 | 659     | 407     | 0.02%  | 0.002%  |
| 43 | 6.590  | 1724 | 1726 | 1728 | rBV2 | 595     | 285     | 0.01%  | 0.002%  |
| 44 | 6.619  | 1734 | 1735 | 1742 | rVB2 | 680     | 457     | 0.02%  | 0.002%  |
| 45 | 6.654  | 1742 | 1746 | 1747 | rBV  | 557     | 361     | 0.02%  | 0.002%  |
| 46 | 6.715  | 1763 | 1765 | 1768 | rBV2 | 442     | 176     | 0.01%  | 0.001%  |
| 47 | 6.822  | 1793 | 1798 | 1800 | rBV3 | 507     | 458     | 0.02%  | 0.002%  |
| 48 | 6.847  | 1803 | 1806 | 1807 | rBV  | 707     | 343     | 0.01%  | 0.002%  |
| 49 | 6.931  | 1829 | 1832 | 1833 | rBV3 | 459     | 190     | 0.01%  | 0.001%  |
| 50 | 6.989  | 1839 | 1850 | 1871 | rBV  | 287424  | 524377  | 22.42% | 2.804%  |
| 51 | 7.227  | 1922 | 1924 | 1927 | rBV3 | 884     | 622     | 0.03%  | 0.003%  |
| 52 | 7.320  | 1941 | 1953 | 1978 | rBV  | 1097964 | 1866948 | 79.83% | 9.982%  |
| 53 | 7.590  | 2034 | 2037 | 2038 | rBV2 | 836     | 416     | 0.02%  | 0.002%  |
| 54 | 7.625  | 2038 | 2048 | 2074 | rVV  | 208259  | 373878  | 15.99% | 1.999%  |
| 55 | 7.860  | 2119 | 2121 | 2122 | rBV  | 487     | 180     | 0.01%  | 0.001%  |
| 56 | 8.043  | 2173 | 2178 | 2181 | rBV3 | 979     | 907     | 0.04%  | 0.005%  |
| 57 | 8.092  | 2183 | 2193 | 2228 | rBV  | 511597  | 959425  | 41.02% | 5.130%  |
| 58 | 8.593  | 2347 | 2349 | 2351 | rVB  | 583     | 175     | 0.01%  | 0.001%  |
| 59 | 8.609  | 2351 | 2354 | 2355 | rBV2 | 846     | 458     | 0.02%  | 0.002%  |
| 60 | 8.664  | 2368 | 2371 | 2372 | rBV2 | 952     | 311     | 0.01%  | 0.002%  |
| 61 | 8.751  | 2396 | 2398 | 2401 | rVB3 | 648     | 301     | 0.01%  | 0.002%  |
| 62 | 8.857  | 2419 | 2431 | 2449 | rBV  | 1186523 | 1916092 | 81.93% | 10.245% |
| 63 | 9.140  | 2517 | 2519 | 2520 | rBV  | 745     | 264     | 0.01%  | 0.001%  |
| 64 | 9.259  | 2554 | 2556 | 2559 | rBV  | 587     | 336     | 0.01%  | 0.002%  |
| 65 | 9.362  | 2586 | 2588 | 2590 | rBV  | 401     | 210     | 0.01%  | 0.001%  |
| 66 | 9.548  | 2642 | 2646 | 2648 | rBV3 | 1230    | 1011    | 0.04%  | 0.005%  |
| 67 | 9.680  | 2684 | 2687 | 2688 | rBV  | 482     | 266     | 0.01%  | 0.001%  |
| 68 | 9.709  | 2693 | 2696 | 2700 | rBV2 | 671     | 401     | 0.02%  | 0.002%  |
| 69 | 9.731  | 2700 | 2703 | 2705 | rBV  | 608     | 441     | 0.02%  | 0.002%  |
| 70 | 9.921  | 2759 | 2762 | 2766 | rBV3 | 971     | 639     | 0.03%  | 0.003%  |
| 71 | 10.014 | 2789 | 2791 | 2793 | rVB  | 426     | 148     | 0.01%  | 0.001%  |
| 72 | 10.027 | 2793 | 2795 | 2802 | rVB4 | 760     | 809     | 0.03%  | 0.004%  |
| 73 | 10.175 | 2839 | 2841 | 2842 | rBV  | 321     | 99      | 0.00%  | 0.001%  |
| 74 | 10.220 | 2843 | 2855 | 2876 | rVV  | 682504  | 1075594 | 45.99% | 5.751%  |
| 75 | 10.391 | 2901 | 2908 | 2918 | rVB7 | 3296    | 5249    | 0.22%  | 0.028%  |
| 76 | 10.436 | 2919 | 2922 | 2926 | rBV3 | 888     | 732     | 0.03%  | 0.004%  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3G3

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\_V\Method\SOMVLM032321WMA.M

Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 77 | 10.625 | 2978 | 2981 | 2985 | rBV2 | 556     | 439     | 0.02%  | 0.002%  |
| 78 | 10.645 | 2985 | 2987 | 2989 | rVB2 | 516     | 208     | 0.01%  | 0.001%  |
| 79 | 10.747 | 3017 | 3019 | 3022 | rBV3 | 474     | 372     | 0.02%  | 0.002%  |
| 80 | 10.844 | 3047 | 3049 | 3052 | rBV  | 393     | 305     | 0.01%  | 0.002%  |
| 81 | 10.908 | 3066 | 3069 | 3071 | rBV2 | 526     | 349     | 0.01%  | 0.002%  |
| 82 | 11.056 | 3108 | 3115 | 3116 | rBV2 | 1164    | 972     | 0.04%  | 0.005%  |
| 83 | 11.104 | 3127 | 3130 | 3133 | rBV2 | 804     | 545     | 0.02%  | 0.003%  |
| 84 | 11.255 | 3163 | 3177 | 3201 | rBV  | 1228077 | 1910809 | 81.70% | 10.217% |
| 85 | 11.503 | 3252 | 3254 | 3260 | rVB3 | 914     | 680     | 0.03%  | 0.004%  |
| 86 | 11.632 | 3281 | 3294 | 3316 | rBV  | 1171354 | 1845848 | 78.93% | 9.870%  |
| 87 | 12.021 | 3412 | 3415 | 3416 | rBV  | 527     | 293     | 0.01%  | 0.002%  |
| 88 | 12.169 | 3457 | 3461 | 3463 | rBV3 | 517     | 378     | 0.02%  | 0.002%  |
| 89 | 12.333 | 3509 | 3512 | 3514 | rBV2 | 603     | 367     | 0.02%  | 0.002%  |
| 90 | 12.590 | 3590 | 3592 | 3594 | rBV  | 548     | 205     | 0.01%  | 0.001%  |
| 91 | 13.069 | 3738 | 3741 | 3745 | rVB2 | 987     | 743     | 0.03%  | 0.004%  |
| 92 | 13.217 | 3784 | 3787 | 3792 | rBV3 | 995     | 850     | 0.04%  | 0.005%  |
| 93 | 13.413 | 3846 | 3848 | 3849 | rBV2 | 643     | 306     | 0.01%  | 0.002%  |
| 94 | 13.654 | 3919 | 3923 | 3926 | rBV2 | 821     | 757     | 0.03%  | 0.004%  |
| 95 | 13.821 | 3972 | 3975 | 3977 | rBV2 | 1085    | 679     | 0.03%  | 0.004%  |

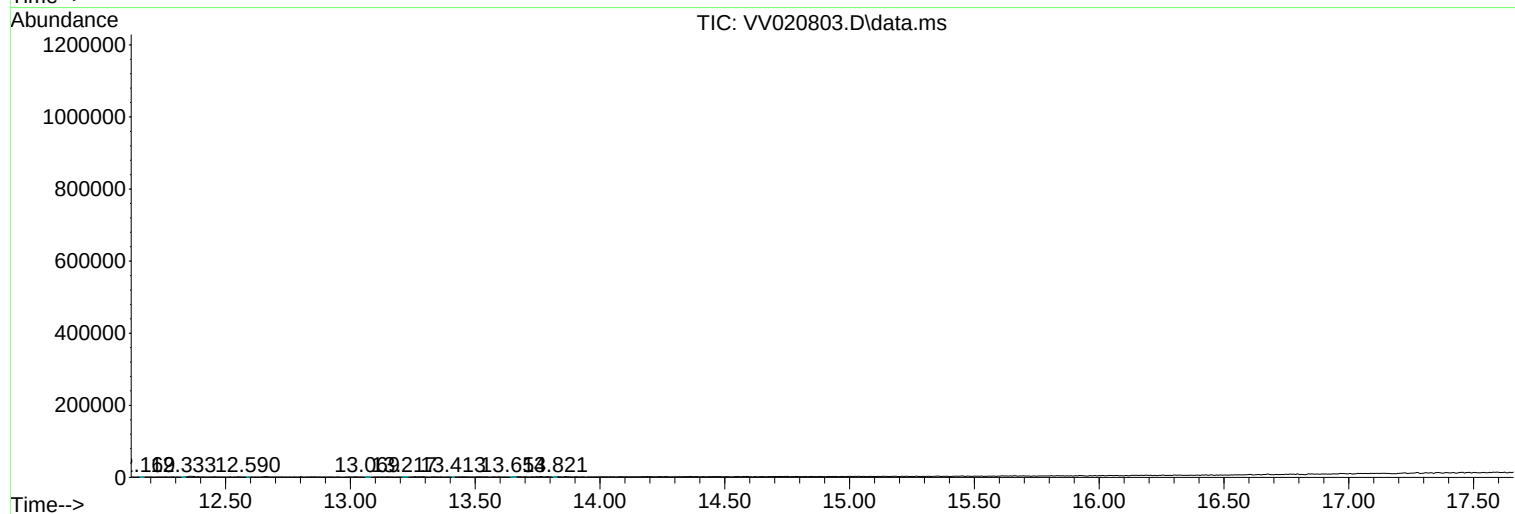
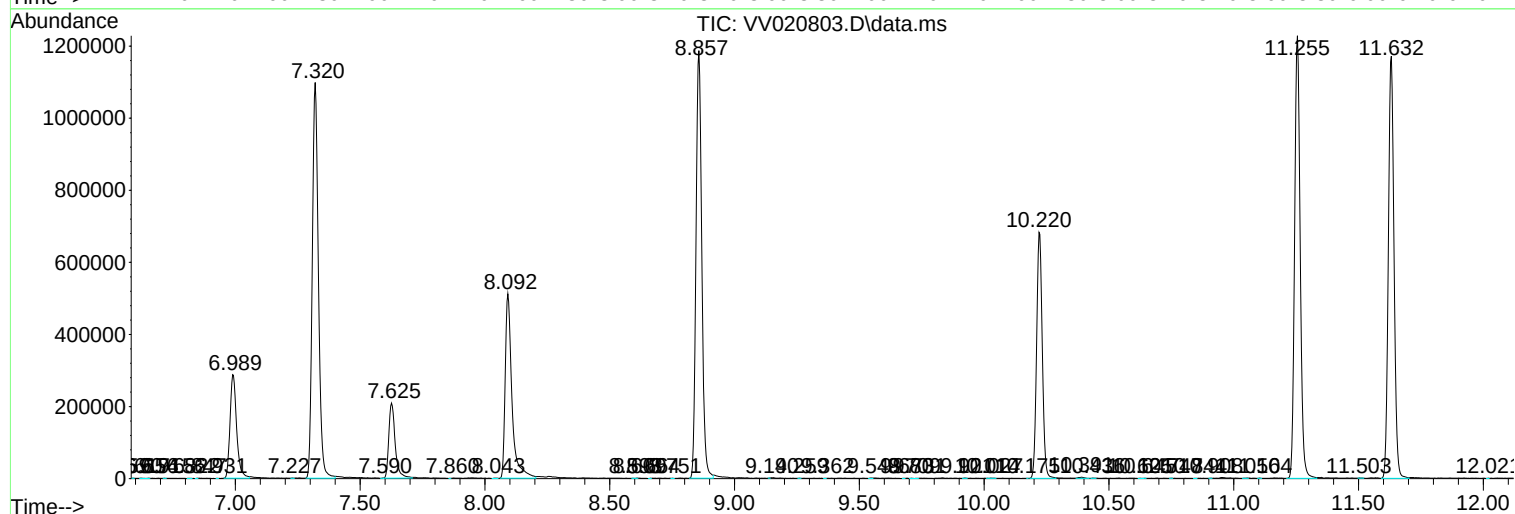
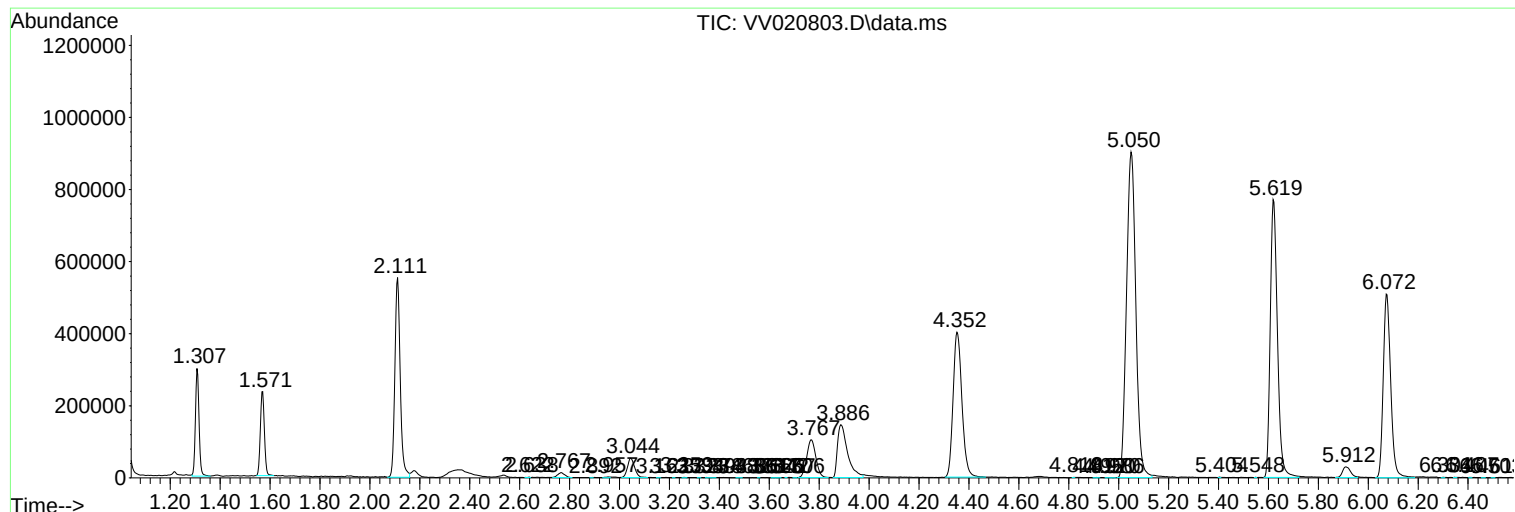
Sum of corrected areas: 18702297

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Acq On : 29 Mar 2021 14:27  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032921\  
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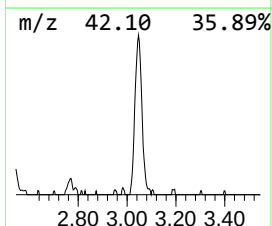
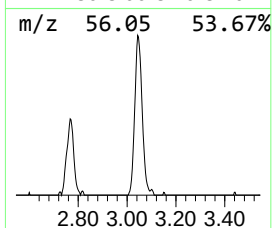
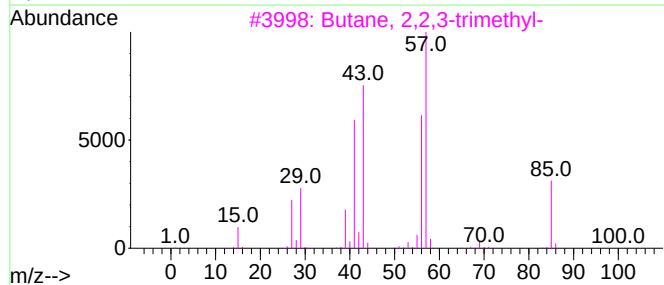
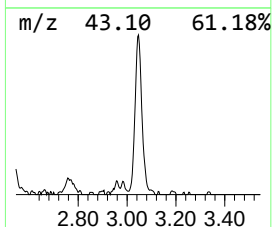
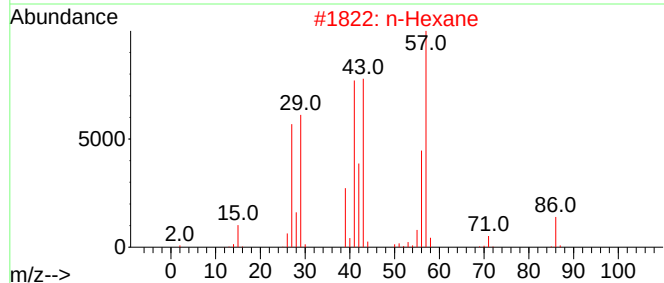
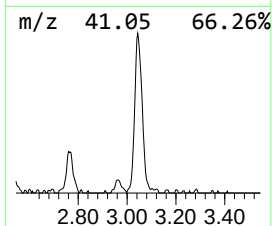
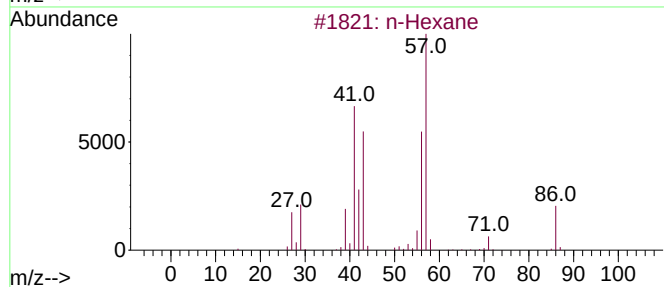
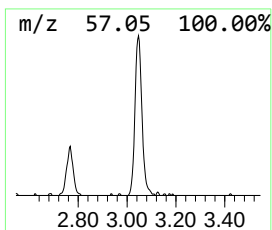
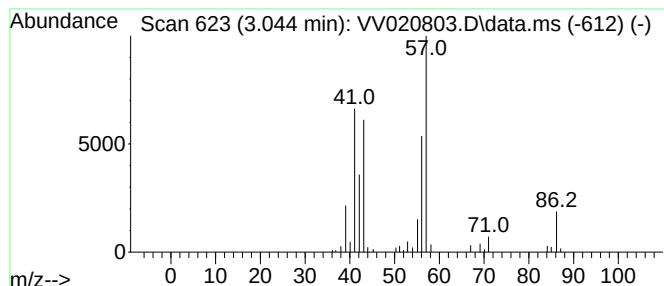
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.044 | 3.49 ug/L | 107834 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of                            | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | n-Hexane                      |   |              | 86  | C6H14   | 000110-54-3 | 87   |
| 2    | n-Hexane                      |   |              | 86  | C6H14   | 000110-54-3 | 59   |
| 3    | Butane, 2,2,3-trimethyl-      |   |              | 100 | C7H16   | 000464-06-2 | 50   |
| 4    | Hexane, 2,2,3-trimethyl-      |   |              | 128 | C9H20   | 016747-25-4 | 42   |
| 5    | Pentane, 2,2,3,4-tetramethyl- |   |              | 128 | C9H20   | 001186-53-4 | 40   |



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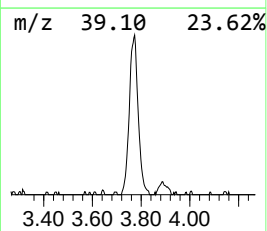
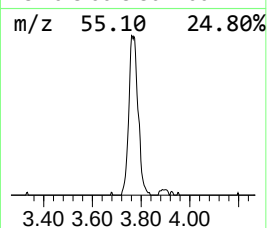
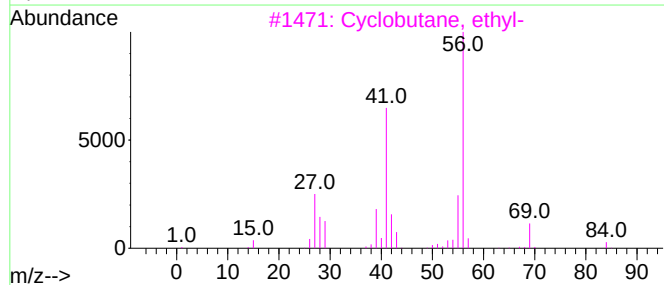
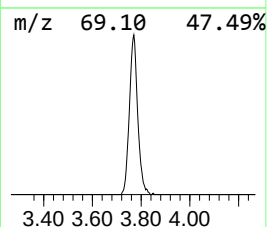
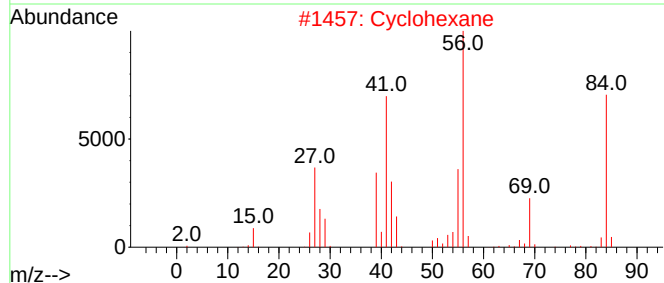
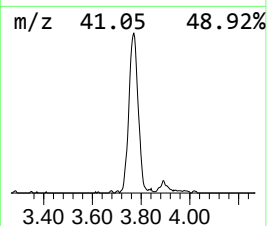
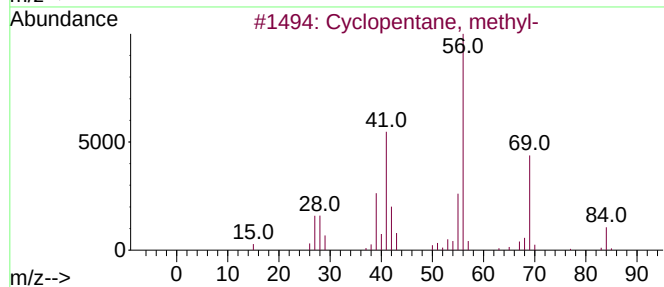
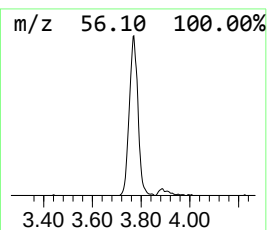
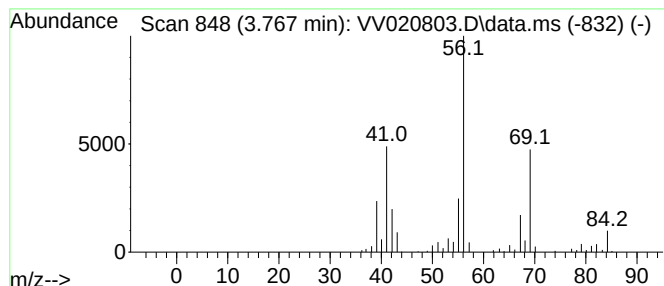
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic3.767 Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.767 | 8.59 ug/L | 265403 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|------|-------------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 87   |
| 2    |      | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 74   |
| 3    |      | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 59   |
| 4    |      | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 59   |
| 5    |      | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032921\  
Data File : VV020803.D  
Acq On : 29 Mar 2021 14:27  
Operator : SY/MD  
Sample : M1816-10  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3G3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: S... | 3.044 | 3.5     | ug/L  | 107834   | 1                     | 5.619 | 1545730 | 50.0 |
| (DEL) Alkane: C... | 3.767 | 8.6     | ug/L  | 265403   | 1                     | 5.619 | 1545730 | 50.0 |