

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072622\  
 Data File : VV026988.D  
 Acq On : 27 Jul 2022 06:36  
 Operator : SY/MD  
 Sample : N3880-12  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBUG6

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\SFAMVLM072222WMA.M  
 Title : VOC Analysis

Signal : TIC: VV026988.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         | 1.304       | 75            | 82          | 103          | rVB      | 366499         | 383471        | 2.18%           | 1.049%        |
| 2         | 1.565       | 155           | 163         | 174          | rBV      | 299022         | 339439        | 1.93%           | 0.929%        |
| 3         | 1.629       | 176           | 183         | 194          | rVB      | 64188          | 79622         | 0.45%           | 0.218%        |
| 4         | 1.802       | 229           | 237         | 247          | rVB      | 38435          | 48205         | 0.27%           | 0.132%        |
| 5         | 2.105       | 320           | 331         | 348          | rBV      | 586546         | 853529        | 4.85%           | 2.336%        |
| 6         | 2.294       | 381           | 390         | 397          | rBV      | 1704           | 2782          | 0.02%           | 0.008%        |
| 7         | 2.526       | 443           | 462         | 469          | rBV6     | 19734          | 52264         | 0.30%           | 0.143%        |
| 8         | 2.571       | 471           | 476         | 491          | rVB      | 24697          | 43071         | 0.24%           | 0.118%        |
| 9         | 2.648       | 496           | 500         | 503          | rVB5     | 579            | 449           | 0.00%           | 0.001%        |
| 10        | 2.671       | 505           | 507         | 512          | rVB2     | 790            | 533           | 0.00%           | 0.001%        |
| 11        | 2.700       | 512           | 516         | 520          | rBV3     | 659            | 813           | 0.00%           | 0.002%        |
| 12        | 2.757       | 523           | 534         | 557          | rVB2     | 18090          | 36056         | 0.20%           | 0.099%        |
| 13        | 3.037       | 610           | 621         | 638          | rBV2     | 11908          | 24729         | 0.14%           | 0.068%        |
| 14        | 3.182       | 661           | 666         | 673          | rVB4     | 1107           | 1207          | 0.01%           | 0.003%        |
| 15        | 3.294       | 692           | 701         | 710          | rBV9     | 1486           | 2639          | 0.01%           | 0.007%        |
| 16        | 3.654       | 809           | 813         | 815          | rBV3     | 659            | 544           | 0.00%           | 0.001%        |
| 17        | 3.761       | 829           | 846         | 864          | rBV2     | 38034          | 97823         | 0.56%           | 0.268%        |
| 18        | 3.892       | 874           | 887         | 927          | rBV2     | 185184         | 687538        | 3.91%           | 1.882%        |
| 19        | 4.343       | 1008          | 1027        | 1059         | rBV      | 400842         | 1006116       | 5.72%           | 2.754%        |
| 20        | 4.542       | 1086          | 1089        | 1093         | rVB4     | 515            | 385           | 0.00%           | 0.001%        |
| 21        | 4.674       | 1114          | 1130        | 1148         | rBV3     | 38939          | 98294         | 0.56%           | 0.269%        |
| 22        | 4.754       | 1148          | 1155        | 1156         | rBV4     | 2065           | 2140          | 0.01%           | 0.006%        |
| 23        | 4.831       | 1176          | 1179        | 1184         | rBV4     | 527            | 443           | 0.00%           | 0.001%        |
| 24        | 4.918       | 1192          | 1206        | 1210         | rBV9     | 4153           | 9471          | 0.05%           | 0.026%        |
| 25        | 5.043       | 1227          | 1245        | 1295         | rBV2     | 950998         | 2540087       | 14.44%          | 6.952%        |
| 26        | 5.458       | 1370          | 1374        | 1377         | rBV2     | 565            | 504           | 0.00%           | 0.001%        |
| 27        | 5.500       | 1377          | 1387        | 1389         | rBV7     | 1808           | 2411          | 0.01%           | 0.007%        |
| 28        | 5.613       | 1409          | 1422        | 1455         | rBV      | 569396         | 1178720       | 6.70%           | 3.226%        |
| 29        | 5.912       | 1501          | 1515        | 1546         | rBV      | 296063         | 612788        | 3.48%           | 1.677%        |
| 30        | 6.066       | 1549          | 1563        | 1577         | rBV      | 544931         | 1115754       | 6.34%           | 3.054%        |
| 31        | 6.285       | 1629          | 1631        | 1635         | rVB3     | 589            | 440           | 0.00%           | 0.001%        |
| 32        | 6.362       | 1645          | 1655        | 1665         | rBV8     | 3711           | 7668          | 0.04%           | 0.021%        |
| 33        | 6.458       | 1681          | 1685        | 1689         | rVV5     | 879            | 913           | 0.01%           | 0.002%        |
| 34        | 6.574       | 1715          | 1721        | 1724         | rBV6     | 487            | 494           | 0.00%           | 0.001%        |
| 35        | 6.629       | 1732          | 1738        | 1739         | rBV4     | 765            | 687           | 0.00%           | 0.002%        |
| 36        | 6.667       | 1747          | 1750        | 1756         | rVB4     | 1352           | 1104          | 0.01%           | 0.003%        |

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 DBUG6

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Integrator: RTE

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Filtering: 5

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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\SFAMVLM072222WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 37 | 6.805  | 1784 | 1793 | 1801 | rVB6 | 2939     | 4245     | 0.02%   | 0.012%  |
| 38 | 6.860  | 1805 | 1810 | 1814 | rBV3 | 403      | 365      | 0.00%   | 0.001%  |
| 39 | 6.982  | 1838 | 1848 | 1873 | rBV  | 200392   | 378379   | 2.15%   | 1.036%  |
| 40 | 7.162  | 1897 | 1904 | 1906 | rBV5 | 1879     | 1962     | 0.01%   | 0.005%  |
| 41 | 7.217  | 1919 | 1921 | 1924 | rVB3 | 787      | 339      | 0.00%   | 0.001%  |
| 42 | 7.259  | 1928 | 1934 | 1939 | rBV6 | 3167     | 4605     | 0.03%   | 0.013%  |
| 43 | 7.314  | 1939 | 1951 | 1985 | rVV  | 1050119  | 1814789  | 10.31%  | 4.967%  |
| 44 | 7.619  | 2036 | 2046 | 2070 | rBV  | 141461   | 261607   | 1.49%   | 0.716%  |
| 45 | 7.770  | 2089 | 2093 | 2094 | rBV3 | 1093     | 688      | 0.00%   | 0.002%  |
| 46 | 7.831  | 2107 | 2112 | 2113 | rBV4 | 670      | 515      | 0.00%   | 0.001%  |
| 47 | 7.841  | 2113 | 2115 | 2123 | rVB4 | 1348     | 1228     | 0.01%   | 0.003%  |
| 48 | 7.973  | 2137 | 2156 | 2182 | rBV  | 10781616 | 17596506 | 100.00% | 48.158% |
| 49 | 8.088  | 2183 | 2192 | 2229 | rVB  | 599074   | 1145687  | 6.51%   | 3.135%  |
| 50 | 8.593  | 2341 | 2349 | 2354 | rBV7 | 1387     | 2069     | 0.01%   | 0.006%  |
| 51 | 8.616  | 2354 | 2356 | 2360 | rVB2 | 552      | 406      | 0.00%   | 0.001%  |
| 52 | 8.654  | 2366 | 2368 | 2375 | rVB4 | 550      | 485      | 0.00%   | 0.001%  |
| 53 | 8.738  | 2391 | 2394 | 2398 | rVB5 | 533      | 412      | 0.00%   | 0.001%  |
| 54 | 8.850  | 2417 | 2429 | 2454 | rBV  | 903348   | 1470721  | 8.36%   | 4.025%  |
| 55 | 9.104  | 2503 | 2508 | 2509 | rBV5 | 3126     | 2548     | 0.01%   | 0.007%  |
| 56 | 9.143  | 2511 | 2520 | 2542 | rVB  | 126001   | 201792   | 1.15%   | 0.552%  |
| 57 | 9.465  | 2611 | 2620 | 2628 | rBV7 | 4045     | 7582     | 0.04%   | 0.021%  |
| 58 | 9.551  | 2638 | 2647 | 2657 | rBV3 | 7012     | 11065    | 0.06%   | 0.030%  |
| 59 | 9.609  | 2663 | 2665 | 2669 | rVB5 | 827      | 515      | 0.00%   | 0.001%  |
| 60 | 9.702  | 2689 | 2694 | 2703 | rVB5 | 2215     | 2719     | 0.02%   | 0.007%  |
| 61 | 9.805  | 2717 | 2726 | 2730 | rBV8 | 2432     | 3772     | 0.02%   | 0.010%  |
| 62 | 9.934  | 2756 | 2766 | 2780 | rVB2 | 13589    | 21997    | 0.13%   | 0.060%  |
| 63 | 10.082 | 2806 | 2812 | 2817 | rVB2 | 474      | 476      | 0.00%   | 0.001%  |
| 64 | 10.124 | 2817 | 2825 | 2829 | rBV4 | 979      | 1319     | 0.01%   | 0.004%  |
| 65 | 10.214 | 2836 | 2853 | 2876 | rBV  | 828198   | 1284460  | 7.30%   | 3.515%  |
| 66 | 10.378 | 2898 | 2904 | 2915 | rVB3 | 4206     | 6872     | 0.04%   | 0.019%  |
| 67 | 10.477 | 2933 | 2935 | 2940 | rVB3 | 847      | 771      | 0.00%   | 0.002%  |
| 68 | 10.538 | 2945 | 2954 | 2967 | rBV  | 39780    | 58994    | 0.34%   | 0.161%  |
| 69 | 10.619 | 2976 | 2979 | 2981 | rBV2 | 506      | 361      | 0.00%   | 0.001%  |
| 70 | 10.738 | 3007 | 3016 | 3027 | rBV3 | 11076    | 18164    | 0.10%   | 0.050%  |
| 71 | 10.854 | 3049 | 3052 | 3056 | rVV4 | 958      | 679      | 0.00%   | 0.002%  |
| 72 | 10.915 | 3059 | 3071 | 3088 | rBV  | 43991    | 70819    | 0.40%   | 0.194%  |
| 73 | 11.050 | 3110 | 3113 | 3114 | rBV  | 884      | 505      | 0.00%   | 0.001%  |
| 74 | 11.066 | 3114 | 3118 | 3122 | rVV5 | 1332     | 1099     | 0.01%   | 0.003%  |
| 75 | 11.085 | 3122 | 3124 | 3130 | rVB2 | 1169     | 976      | 0.01%   | 0.003%  |
| 76 | 11.156 | 3138 | 3146 | 3150 | rBV3 | 621      | 779      | 0.00%   | 0.002%  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBUG6

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\SFAMVLM072222WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |       |        |
|-----|--------|------|------|------|------|---------|---------|-------|--------|
| 77  | 11.194 | 3151 | 3158 | 3163 | rBV6 | 2020    | 2735    | 0.02% | 0.007% |
| 78  | 11.246 | 3163 | 3174 | 3197 | rBV  | 833775  | 1287522 | 7.32% | 3.524% |
| 79  | 11.532 | 3258 | 3263 | 3265 | rBV3 | 1110    | 935     | 0.01% | 0.003% |
| 80  | 11.622 | 3278 | 3291 | 3323 | rBV  | 1006878 | 1594375 | 9.06% | 4.363% |
| 81  | 11.825 | 3345 | 3354 | 3366 | rVB8 | 3126    | 5964    | 0.03% | 0.016% |
| 82  | 11.911 | 3374 | 3381 | 3386 | rBV4 | 3115    | 4828    | 0.03% | 0.013% |
| 83  | 12.021 | 3410 | 3415 | 3416 | rBV  | 670     | 436     | 0.00% | 0.001% |
| 84  | 12.066 | 3424 | 3429 | 3432 | rVB4 | 462     | 420     | 0.00% | 0.001% |
| 85  | 12.117 | 3437 | 3445 | 3456 | rBV5 | 4683    | 7432    | 0.04% | 0.020% |
| 86  | 12.246 | 3480 | 3485 | 3488 | rBV4 | 615     | 607     | 0.00% | 0.002% |
| 87  | 12.416 | 3530 | 3538 | 3545 | rVV6 | 2035    | 2954    | 0.02% | 0.008% |
| 88  | 12.468 | 3545 | 3554 | 3565 | rVB5 | 3597    | 5411    | 0.03% | 0.015% |
| 89  | 12.738 | 3629 | 3638 | 3642 | rBV4 | 613     | 841     | 0.00% | 0.002% |
| 90  | 12.847 | 3667 | 3672 | 3677 | rBV3 | 775     | 855     | 0.00% | 0.002% |
| 91  | 12.886 | 3679 | 3684 | 3693 | rVB3 | 1053    | 1368    | 0.01% | 0.004% |
| 92  | 12.944 | 3699 | 3702 | 3705 | rBV2 | 515     | 404     | 0.00% | 0.001% |
| 93  | 13.516 | 3873 | 3880 | 3886 | rBV6 | 1332    | 2158    | 0.01% | 0.006% |
| 94  | 13.779 | 3958 | 3962 | 3966 | rBV3 | 422     | 382     | 0.00% | 0.001% |
| 95  | 13.905 | 3999 | 4001 | 4009 | rVB4 | 419     | 452     | 0.00% | 0.001% |
| 96  | 14.599 | 4214 | 4217 | 4219 | rBV2 | 529     | 400     | 0.00% | 0.001% |
| 97  | 15.291 | 4427 | 4432 | 4433 | rBV3 | 1547    | 1234    | 0.01% | 0.003% |
| 98  | 15.381 | 4457 | 4460 | 4461 | rBV  | 749     | 465     | 0.00% | 0.001% |
| 99  | 15.593 | 4524 | 4526 | 4529 | rBV2 | 825     | 396     | 0.00% | 0.001% |
| 100 | 15.783 | 4583 | 4585 | 4588 | rVB3 | 1031    | 482     | 0.00% | 0.001% |

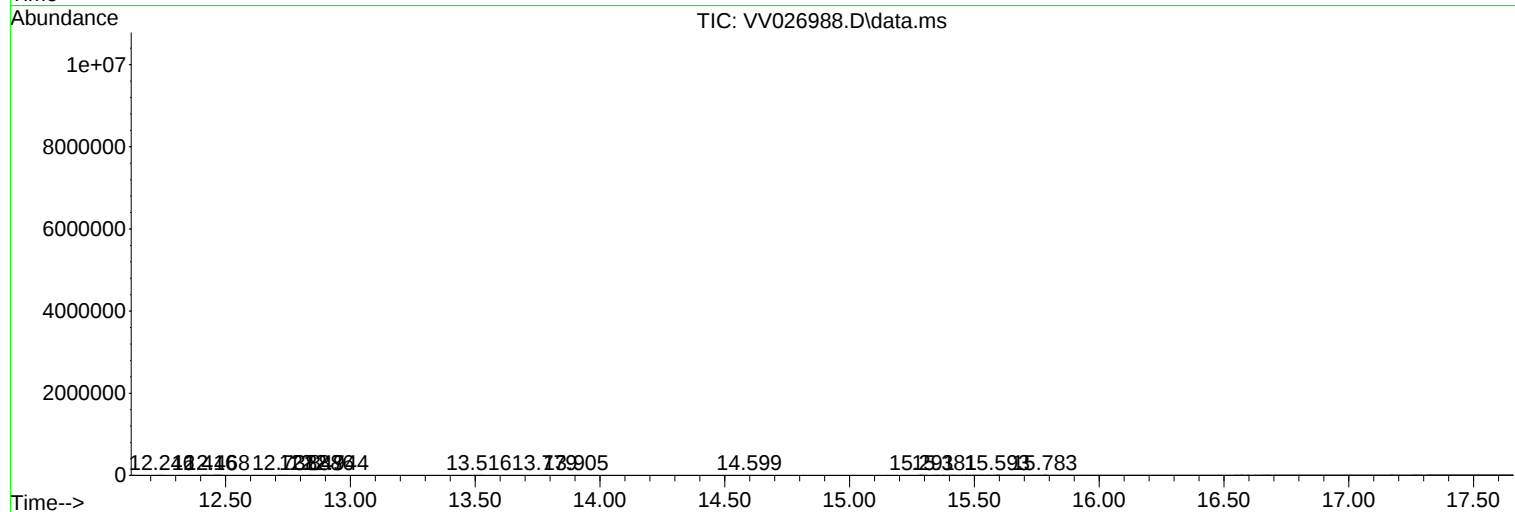
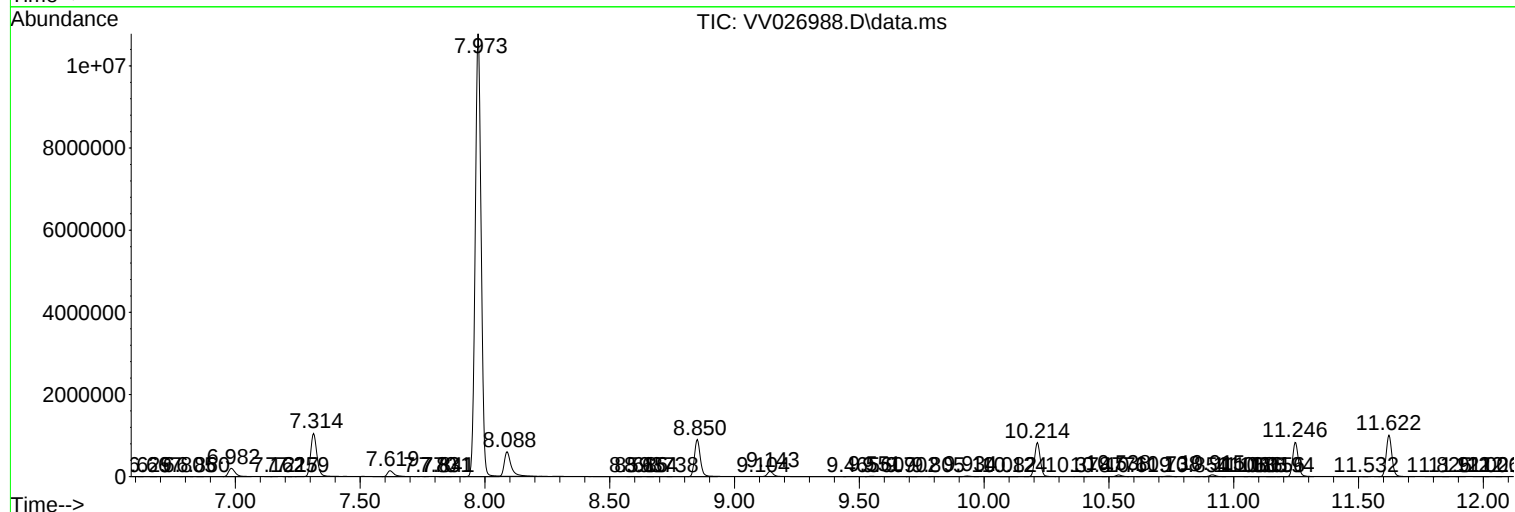
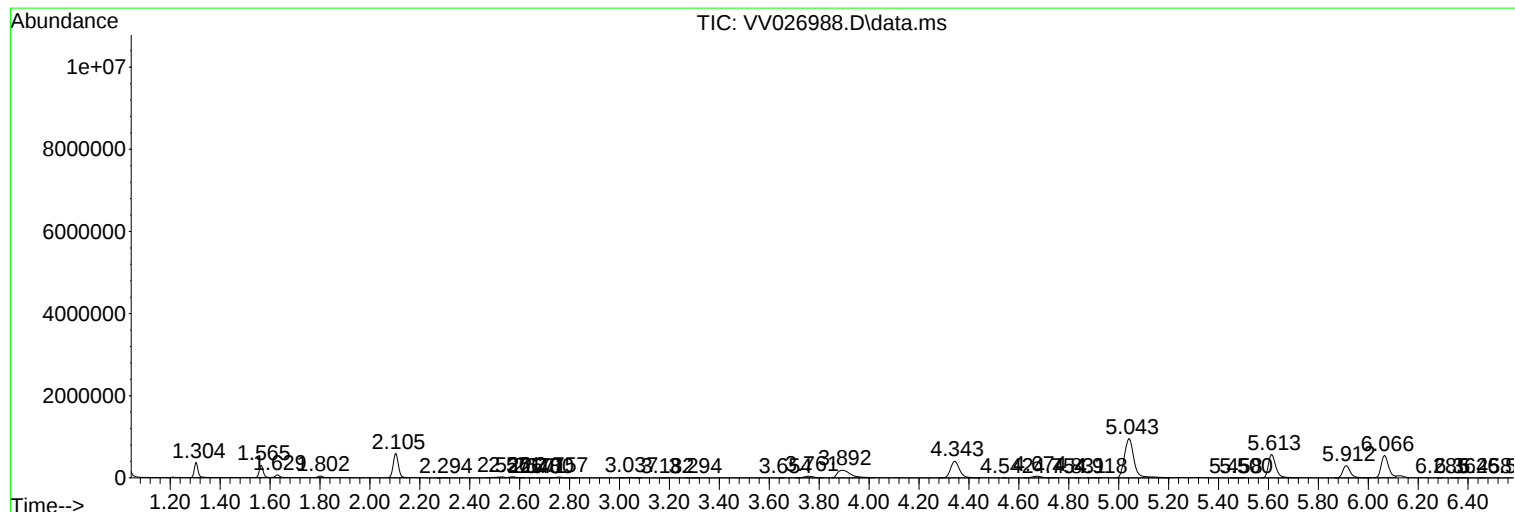
Sum of corrected areas: 36539461

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Instrument :  
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ClientSampleId :  
DBUG6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072622\  
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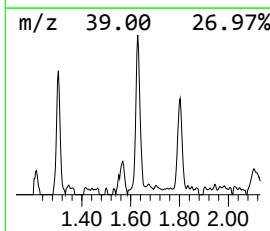
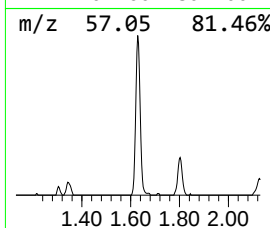
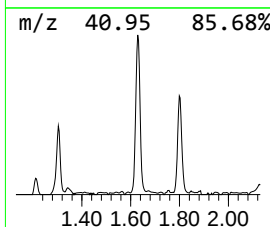
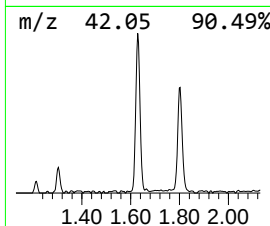
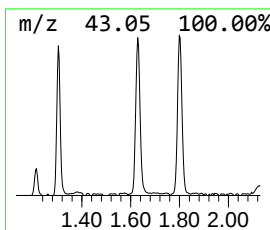
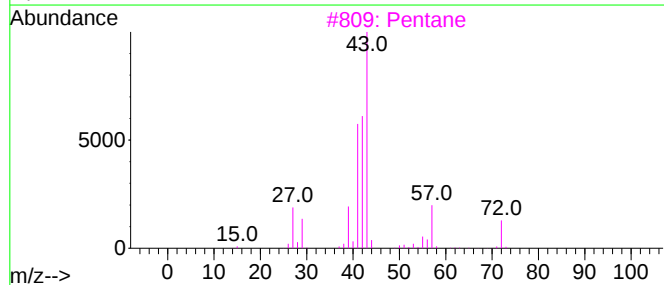
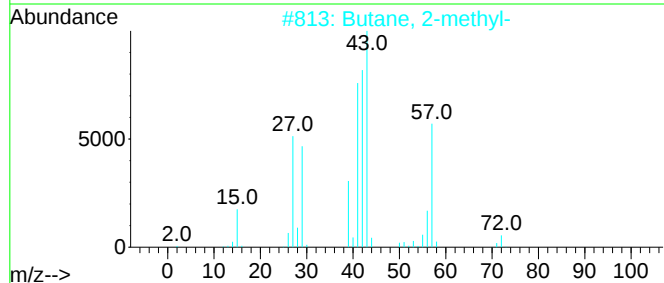
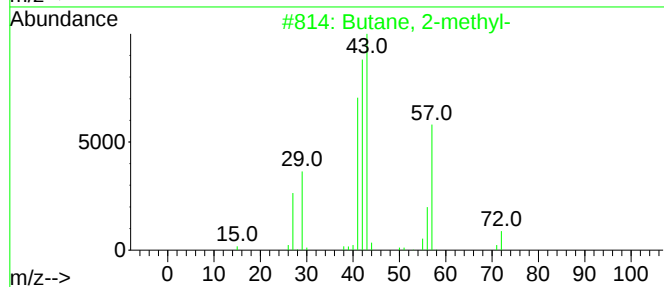
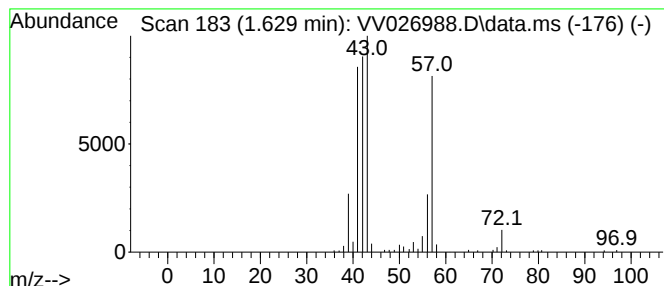
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.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.  |
|-------|-----------|-------|---------------------|-------|
| 1.629 | 3.38 ug/L | 79622 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of                              | 5 | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|---------------------------------|---|--------------|-----|---------|--------------|------|
| 1    | Butane, 2-methyl-               |   |              | 72  | C5H12   | 000078-78-4  | 87   |
| 2    | Butane, 2-methyl-               |   |              | 72  | C5H12   | 000078-78-4  | 80   |
| 3    | Pentane                         |   |              | 72  | C5H12   | 000109-66-0  | 38   |
| 4    | 3-Buten-1-ol                    |   |              | 72  | C4H8O   | 000627-27-0  | 25   |
| 5    | Oxalic acid, butyl propyl ester |   |              | 188 | C9H16O4 | 1000309-25-6 | 12   |



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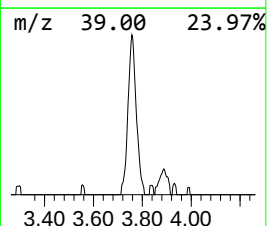
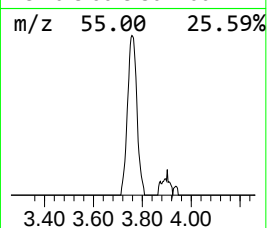
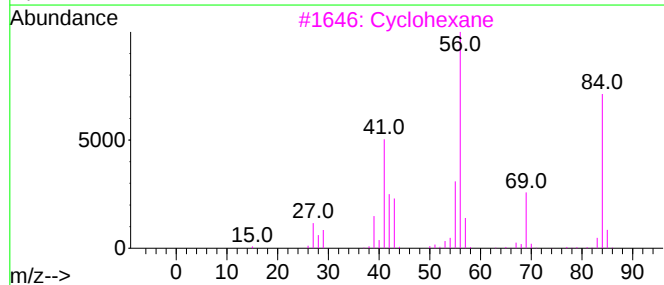
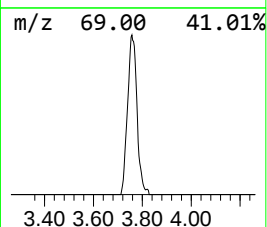
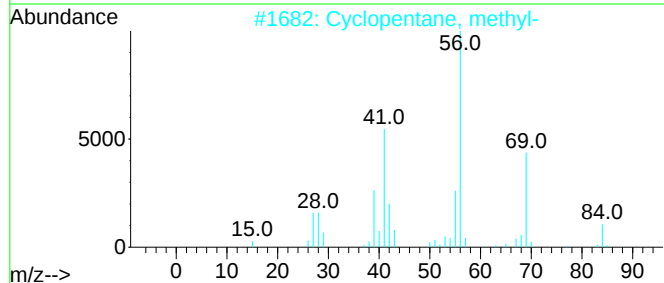
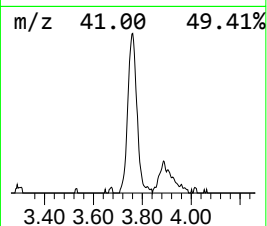
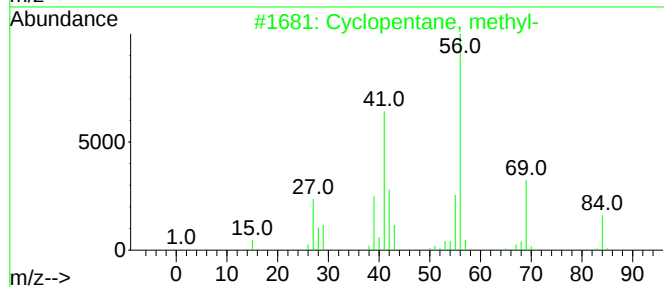
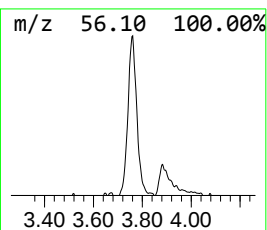
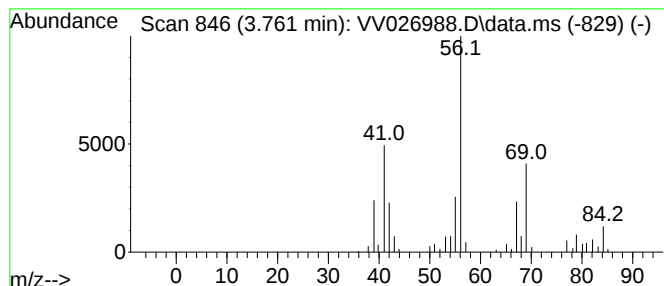
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic3.761 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.761 | 4.15 ug/L | 97823 | 1,4-Difluorobenzene | 5.613 |

| Hit# | of 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|------|-------------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 76   |
| 2    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 76   |
| 3    |      | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 59   |
| 4    |      | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 58   |
| 5    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072622\  
Data File : VV026988.D  
Acq On : 27 Jul 2022 06:36  
Operator : SY/MD  
Sample : N3880-12  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBUG6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.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: S... | 1.629 | 3.4     | ug/L  | 79622    | 1                     | 5.613 | 1178720 | 50.0 |
| (DEL) Alkane: C... | 3.761 | 4.2     | ug/L  | 97823    | 1                     | 5.613 | 1178720 | 50.0 |