

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV110222\  
 Data File : VV028831.D  
 Acq On : 02 Nov 2022 11:07  
 Operator : SY/MD  
 Sample : VV1102MBL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK284

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\SFAMVLM103122WMA.M  
 Title : VOC Analysis

Signal : TIC: VV028831.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       | 76            | 82          | 102          | rBV      | 241952         | 267415        | 15.01%          | 1.989%        |
| 2         | 1.565       | 156           | 163         | 181          | rVB      | 267462         | 312375        | 17.53%          | 2.324%        |
| 3         | 2.105       | 322           | 331         | 350          | rVB      | 453281         | 653511        | 36.68%          | 4.862%        |
| 4         | 2.902       | 578           | 579         | 580          | rBV      | 920            | 323           | 0.02%           | 0.002%        |
| 5         | 2.954       | 592           | 595         | 598          | rBV6     | 1783           | 1239          | 0.07%           | 0.009%        |
| 6         | 2.970       | 598           | 600         | 603          | rVB4     | 1558           | 794           | 0.04%           | 0.006%        |
| 7         | 2.986       | 603           | 605         | 607          | rBV3     | 823            | 354           | 0.02%           | 0.003%        |
| 8         | 3.002       | 607           | 610         | 612          | rBV4     | 1396           | 961           | 0.05%           | 0.007%        |
| 9         | 3.044       | 618           | 623         | 626          | rBV7     | 1700           | 1520          | 0.09%           | 0.011%        |
| 10        | 3.060       | 626           | 628         | 629          | rBV2     | 1128           | 414           | 0.02%           | 0.003%        |
| 11        | 3.127       | 644           | 649         | 654          | rVV8     | 2435           | 2256          | 0.13%           | 0.017%        |
| 12        | 3.150       | 654           | 656         | 657          | rBV2     | 1027           | 391           | 0.02%           | 0.003%        |
| 13        | 3.182       | 661           | 666         | 669          | rBV7     | 2502           | 2691          | 0.15%           | 0.020%        |
| 14        | 3.246       | 681           | 686         | 689          | rBV6     | 778            | 703           | 0.04%           | 0.005%        |
| 15        | 3.272       | 693           | 694         | 697          | rBV3     | 979            | 545           | 0.03%           | 0.004%        |
| 16        | 3.294       | 699           | 701         | 704          | rBV3     | 1278           | 919           | 0.05%           | 0.007%        |
| 17        | 3.404       | 732           | 735         | 738          | rVB5     | 1729           | 904           | 0.05%           | 0.007%        |
| 18        | 3.458       | 750           | 752         | 753          | rBV2     | 1420           | 726           | 0.04%           | 0.005%        |
| 19        | 3.529       | 771           | 774         | 776          | rBV4     | 1665           | 1403          | 0.08%           | 0.010%        |
| 20        | 3.603       | 792           | 797         | 800          | rBV7     | 1454           | 1436          | 0.08%           | 0.011%        |
| 21        | 3.622       | 800           | 803         | 807          | rVB6     | 2120           | 1456          | 0.08%           | 0.011%        |
| 22        | 3.870       | 870           | 880         | 910          | rBV      | 159231         | 460298        | 25.84%          | 3.424%        |
| 23        | 4.336       | 1012          | 1025        | 1050         | rVB      | 274028         | 672082        | 37.72%          | 5.000%        |
| 24        | 4.780       | 1160          | 1163        | 1164         | rBV3     | 2410           | 1417          | 0.08%           | 0.011%        |
| 25        | 4.835       | 1178          | 1180        | 1187         | rVB7     | 2851           | 2081          | 0.12%           | 0.015%        |
| 26        | 4.867       | 1187          | 1190        | 1191         | rBV3     | 1441           | 618           | 0.03%           | 0.005%        |
| 27        | 4.892       | 1196          | 1198        | 1199         | rBV2     | 840            | 355           | 0.02%           | 0.003%        |
| 28        | 4.921       | 1205          | 1207        | 1209         | rBV2     | 884            | 341           | 0.02%           | 0.003%        |
| 29        | 5.037       | 1227          | 1243        | 1270         | rBV2     | 685124         | 1781613       | 100.00%         | 13.254%       |
| 30        | 5.609       | 1408          | 1421        | 1456         | rBV      | 523883         | 1092780       | 61.34%          | 8.129%        |
| 31        | 6.060       | 1549          | 1561        | 1585         | rBV      | 419558         | 851960        | 47.82%          | 6.338%        |
| 32        | 6.410       | 1666          | 1670        | 1672         | rBV5     | 1542           | 1271          | 0.07%           | 0.009%        |
| 33        | 6.510       | 1699          | 1701        | 1704         | rBV4     | 1743           | 918           | 0.05%           | 0.007%        |
| 34        | 6.551       | 1710          | 1714        | 1716         | rBV5     | 1442           | 1150          | 0.06%           | 0.009%        |
| 35        | 6.851       | 1804          | 1807        | 1811         | rBV5     | 1413           | 1152          | 0.06%           | 0.009%        |
| 36        | 6.979       | 1837          | 1847        | 1872         | rBV      | 192080         | 359115        | 20.16%          | 2.672%        |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK284

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\SFAMVLM103122WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 7.307  | 1938 | 1949 | 1973 | rBV  | 760085 | 1325538 | 74.40% | 9.861% |
| 38 | 7.616  | 2036 | 2045 | 2061 | rBV  | 124938 | 222800  | 12.51% | 1.657% |
| 39 | 7.921  | 2137 | 2140 | 2143 | rBV5 | 1849   | 1440    | 0.08%  | 0.011% |
| 40 | 8.082  | 2181 | 2190 | 2227 | rBV  | 497801 | 1005280 | 56.43% | 7.478% |
| 41 | 8.539  | 2328 | 2332 | 2335 | rBV5 | 1987   | 1473    | 0.08%  | 0.011% |
| 42 | 8.748  | 2394 | 2397 | 2398 | rBV3 | 1257   | 648     | 0.04%  | 0.005% |
| 43 | 8.844  | 2416 | 2427 | 2450 | rBV  | 773237 | 1263819 | 70.94% | 9.402% |
| 44 | 9.275  | 2559 | 2561 | 2562 | rBV2 | 1192   | 473     | 0.03%  | 0.004% |
| 45 | 9.342  | 2579 | 2582 | 2584 | rBV3 | 1930   | 1228    | 0.07%  | 0.009% |
| 46 | 9.384  | 2590 | 2595 | 2597 | rBV6 | 2167   | 1803    | 0.10%  | 0.013% |
| 47 | 9.445  | 2610 | 2614 | 2616 | rBV5 | 1370   | 1262    | 0.07%  | 0.009% |
| 48 | 9.510  | 2630 | 2634 | 2637 | rBV5 | 1726   | 1441    | 0.08%  | 0.011% |
| 49 | 9.545  | 2641 | 2645 | 2648 | rBV6 | 3507   | 3532    | 0.20%  | 0.026% |
| 50 | 9.645  | 2674 | 2676 | 2680 | rBV5 | 1716   | 1220    | 0.07%  | 0.009% |
| 51 | 9.773  | 2713 | 2716 | 2718 | rBV4 | 1287   | 778     | 0.04%  | 0.006% |
| 52 | 9.802  | 2723 | 2725 | 2726 | rBV2 | 1255   | 447     | 0.03%  | 0.003% |
| 53 | 9.838  | 2734 | 2736 | 2741 | rBV5 | 1892   | 1426    | 0.08%  | 0.011% |
| 54 | 9.863  | 2741 | 2744 | 2747 | rBV4 | 1492   | 1220    | 0.07%  | 0.009% |
| 55 | 9.918  | 2759 | 2761 | 2764 | rBV4 | 2937   | 2257    | 0.13%  | 0.017% |
| 56 | 9.982  | 2780 | 2781 | 2783 | rBV2 | 1082   | 511     | 0.03%  | 0.004% |
| 57 | 10.034 | 2795 | 2797 | 2798 | rBV  | 810    | 313     | 0.02%  | 0.002% |
| 58 | 10.085 | 2810 | 2813 | 2818 | rBV6 | 2365   | 1811    | 0.10%  | 0.013% |
| 59 | 10.124 | 2823 | 2825 | 2830 | rVB5 | 1773   | 1030    | 0.06%  | 0.008% |
| 60 | 10.207 | 2839 | 2851 | 2872 | rBV  | 518242 | 827163  | 46.43% | 6.153% |
| 61 | 10.339 | 2888 | 2892 | 2894 | rBV5 | 1374   | 1131    | 0.06%  | 0.008% |
| 62 | 10.374 | 2900 | 2903 | 2906 | rBV4 | 1934   | 1252    | 0.07%  | 0.009% |
| 63 | 10.465 | 2930 | 2931 | 2933 | rBV2 | 1344   | 483     | 0.03%  | 0.004% |
| 64 | 10.583 | 2966 | 2968 | 2973 | rVB6 | 1682   | 891     | 0.05%  | 0.007% |
| 65 | 10.606 | 2973 | 2975 | 2977 | rBV3 | 1415   | 630     | 0.04%  | 0.005% |
| 66 | 10.628 | 2981 | 2982 | 2983 | rBV  | 905    | 337     | 0.02%  | 0.003% |
| 67 | 10.638 | 2983 | 2985 | 2988 | rVB3 | 1252   | 649     | 0.04%  | 0.005% |
| 68 | 10.963 | 3084 | 3086 | 3090 | rBV5 | 1465   | 1084    | 0.06%  | 0.008% |
| 69 | 10.995 | 3094 | 3096 | 3100 | rBV4 | 1028   | 864     | 0.05%  | 0.006% |
| 70 | 11.046 | 3110 | 3112 | 3114 | rBV2 | 1263   | 648     | 0.04%  | 0.005% |
| 71 | 11.063 | 3114 | 3117 | 3118 | rBV3 | 1397   | 912     | 0.05%  | 0.007% |
| 72 | 11.124 | 3133 | 3136 | 3137 | rBV3 | 1533   | 725     | 0.04%  | 0.005% |
| 73 | 11.133 | 3137 | 3139 | 3144 | rVB5 | 1931   | 1606    | 0.09%  | 0.012% |
| 74 | 11.239 | 3161 | 3172 | 3195 | rBV  | 693536 | 1120638 | 62.90% | 8.337% |
| 75 | 11.616 | 3277 | 3289 | 3311 | rBV  | 682101 | 1110467 | 62.33% | 8.261% |
| 76 | 11.828 | 3353 | 3355 | 3358 | rBV4 | 1101   | 409     | 0.02%  | 0.003% |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK284

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\SFAMVLM103122WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 12.018 | 3412 | 3414 | 3418 | rBV4 | 1323  | 833   | 0.05% | 0.006% |
| 78  | 12.111 | 3441 | 3443 | 3445 | rBV3 | 1587  | 841   | 0.05% | 0.006% |
| 79  | 12.169 | 3459 | 3461 | 3465 | rBV5 | 1368  | 860   | 0.05% | 0.006% |
| 80  | 12.278 | 3494 | 3495 | 3497 | rBV2 | 1078  | 495   | 0.03% | 0.004% |
| 81  | 12.464 | 3551 | 3553 | 3555 | rBV3 | 1302  | 777   | 0.04% | 0.006% |
| 82  | 12.481 | 3555 | 3558 | 3561 | rVV4 | 1988  | 1328  | 0.07% | 0.010% |
| 83  | 12.503 | 3563 | 3565 | 3568 | rBV4 | 1045  | 722   | 0.04% | 0.005% |
| 84  | 12.812 | 3658 | 3661 | 3665 | rBV6 | 2324  | 1343  | 0.08% | 0.010% |
| 85  | 12.841 | 3666 | 3670 | 3673 | rBV6 | 1935  | 1748  | 0.10% | 0.013% |
| 86  | 12.969 | 3707 | 3710 | 3713 | rVB5 | 1400  | 974   | 0.05% | 0.007% |
| 87  | 12.985 | 3713 | 3715 | 3716 | rBV3 | 1107  | 572   | 0.03% | 0.004% |
| 88  | 13.207 | 3782 | 3784 | 3790 | rBV6 | 1817  | 1585  | 0.09% | 0.012% |
| 89  | 13.252 | 3793 | 3798 | 3799 | rBV5 | 6684  | 5013  | 0.28% | 0.037% |
| 90  | 13.326 | 3817 | 3821 | 3826 | rVB6 | 2173  | 1714  | 0.10% | 0.013% |
| 91  | 13.352 | 3826 | 3829 | 3832 | rVB4 | 1562  | 834   | 0.05% | 0.006% |
| 92  | 13.432 | 3851 | 3854 | 3857 | rBV5 | 1459  | 860   | 0.05% | 0.006% |
| 93  | 13.461 | 3861 | 3863 | 3864 | rBV2 | 821   | 354   | 0.02% | 0.003% |
| 94  | 13.503 | 3869 | 3876 | 3886 | rVB2 | 14812 | 24996 | 1.40% | 0.186% |
| 95  | 13.696 | 3934 | 3936 | 3938 | rBV3 | 1136  | 598   | 0.03% | 0.004% |
| 96  | 13.886 | 3994 | 3995 | 3997 | rBV2 | 1078  | 563   | 0.03% | 0.004% |
| 97  | 14.034 | 4038 | 4041 | 4045 | rBV4 | 1852  | 1194  | 0.07% | 0.009% |
| 98  | 14.529 | 4193 | 4195 | 4198 | rVB3 | 1684  | 800   | 0.04% | 0.006% |
| 99  | 14.709 | 4249 | 4251 | 4256 | rBV5 | 1522  | 1287  | 0.07% | 0.010% |
| 100 | 15.403 | 4465 | 4467 | 4469 | rBV3 | 1652  | 931   | 0.05% | 0.007% |

Sum of corrected areas: 13442348



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV110222\  
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Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK284

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103122WMA.M  
Quant Title : VOC Analysis

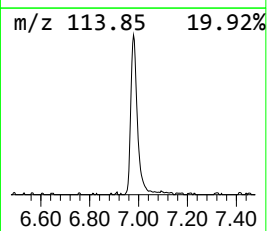
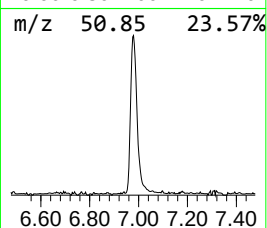
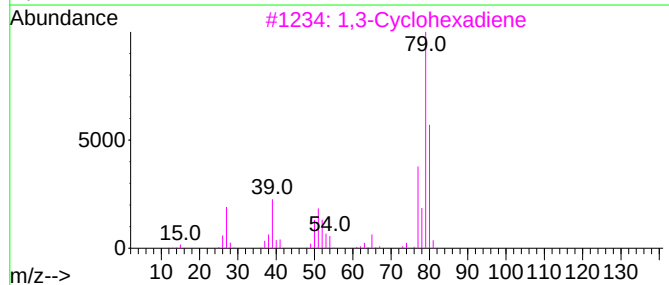
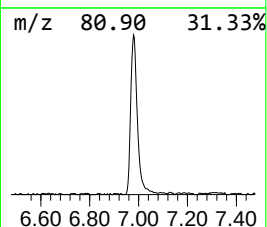
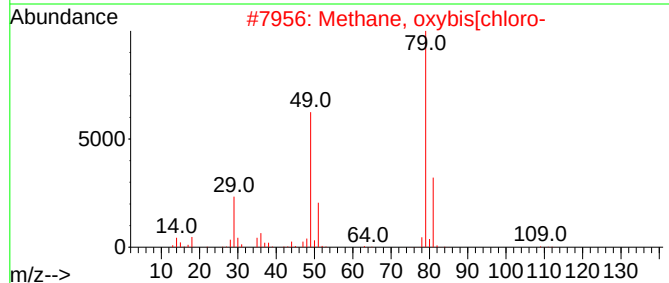
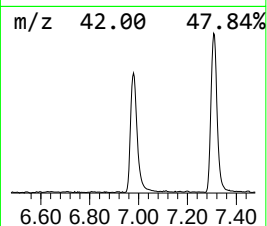
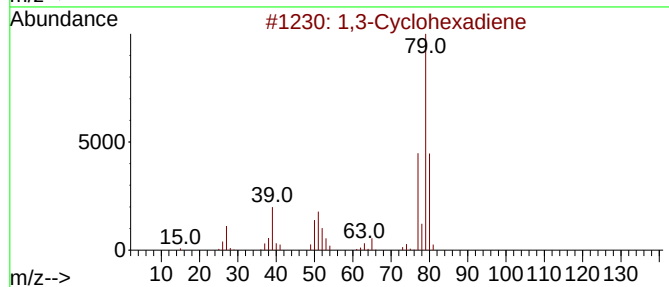
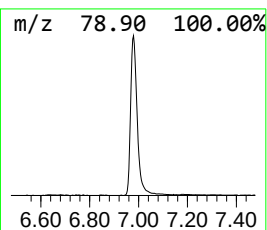
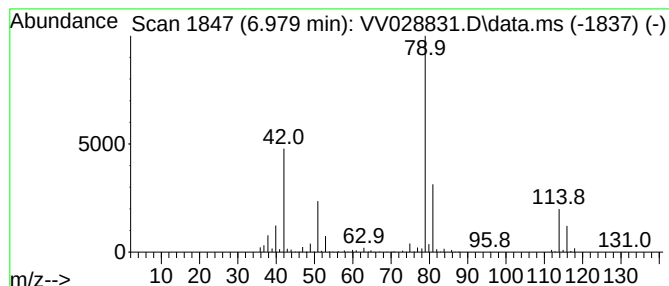
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 6.979 | 16.43 ug/L | 359115 | 1,4-Difluorobenzene | 5.606 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------|-----|----------|-------------|------|
| 1    |      | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 25   |
| 2    |      | Methane, oxybis[chloro- | 114 | C2H4Cl2O | 000542-88-1 | 25   |
| 3    |      | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 25   |
| 4    |      | Methane, oxybis[chloro- | 114 | C2H4Cl2O | 000542-88-1 | 23   |
| 5    |      | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 23   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103122WMA.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       | 6.979 | 16.4    | ug/L  | 359115   | 1                     | 5.606 | 1092780 | 50.0 |