

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040221\  
 Data File : VV020900.D  
 Acq On : 03 Apr 2021 00:38  
 Operator : SY/MD  
 Sample : M1845-19DL 200X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1C7DL

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: VV020900.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         | 1.311       | 77            | 84          | 99           | rVB2     | 231691         | 251578        | 14.64%          | 1.712%        |
| 2         | 1.571       | 158           | 165         | 180          | rVB      | 139756         | 162522        | 9.46%           | 1.106%        |
| 3         | 2.105       | 321           | 331         | 358          | rVB      | 329086         | 494409        | 28.76%          | 3.365%        |
| 4         | 2.339       | 402           | 404         | 408          | rBV2     | 418            | 289           | 0.02%           | 0.002%        |
| 5         | 2.359       | 408           | 410         | 412          | rVB      | 640            | 244           | 0.01%           | 0.002%        |
| 6         | 2.500       | 451           | 454         | 456          | rBV3     | 2351           | 1697          | 0.10%           | 0.012%        |
| 7         | 2.677       | 507           | 509         | 516          | rVB4     | 767            | 721           | 0.04%           | 0.005%        |
| 8         | 2.706       | 516           | 518         | 520          | rBV2     | 434            | 246           | 0.01%           | 0.002%        |
| 9         | 2.728       | 521           | 525         | 530          | rVB4     | 859            | 770           | 0.04%           | 0.005%        |
| 10        | 2.757       | 530           | 534         | 536          | rBV2     | 1672           | 1332          | 0.08%           | 0.009%        |
| 11        | 2.860       | 561           | 566         | 568          | rBV2     | 554            | 440           | 0.03%           | 0.003%        |
| 12        | 2.892       | 574           | 576         | 578          | rBV2     | 777            | 427           | 0.02%           | 0.003%        |
| 13        | 2.941       | 590           | 591         | 595          | rBV3     | 431            | 257           | 0.01%           | 0.002%        |
| 14        | 3.037       | 618           | 621         | 622          | rVV      | 496            | 237           | 0.01%           | 0.002%        |
| 15        | 3.294       | 699           | 701         | 705          | rVB2     | 827            | 483           | 0.03%           | 0.003%        |
| 16        | 3.417       | 734           | 739         | 741          | rBV3     | 466            | 378           | 0.02%           | 0.003%        |
| 17        | 3.494       | 760           | 763         | 769          | rVB2     | 553            | 483           | 0.03%           | 0.003%        |
| 18        | 3.555       | 778           | 782         | 783          | rBV2     | 403            | 237           | 0.01%           | 0.002%        |
| 19        | 3.638       | 805           | 808         | 810          | rBV      | 472            | 237           | 0.01%           | 0.002%        |
| 20        | 3.655       | 810           | 813         | 818          | rVB3     | 747            | 487           | 0.03%           | 0.003%        |
| 21        | 3.680       | 818           | 821         | 824          | rBV2     | 681            | 513           | 0.03%           | 0.003%        |
| 22        | 3.732       | 834           | 837         | 839          | rBV2     | 423            | 243           | 0.01%           | 0.002%        |
| 23        | 3.780       | 849           | 852         | 854          | rBV2     | 585            | 326           | 0.02%           | 0.002%        |
| 24        | 3.812       | 858           | 862         | 863          | rBV2     | 514            | 390           | 0.02%           | 0.003%        |
| 25        | 3.912       | 878           | 893         | 933          | rBV4     | 553872         | 1493450       | 86.89%          | 10.165%       |
| 26        | 4.352       | 1015          | 1030        | 1055         | rBV      | 284704         | 689701        | 40.13%          | 4.695%        |
| 27        | 4.619       | 1111          | 1113        | 1116         | rBV3     | 525            | 361           | 0.02%           | 0.002%        |
| 28        | 4.863       | 1186          | 1189        | 1191         | rBV2     | 493            | 330           | 0.02%           | 0.002%        |
| 29        | 5.050       | 1230          | 1247        | 1275         | rBV2     | 628747         | 1625992       | 94.60%          | 11.068%       |
| 30        | 5.368       | 1342          | 1346        | 1347         | rBV2     | 822            | 456           | 0.03%           | 0.003%        |
| 31        | 5.439       | 1364          | 1368        | 1372         | rVB4     | 794            | 708           | 0.04%           | 0.005%        |
| 32        | 5.622       | 1413          | 1425        | 1449         | rBV      | 423170         | 862300        | 50.17%          | 5.869%        |
| 33        | 5.915       | 1502          | 1516        | 1549         | rBV      | 848677         | 1718796       | 100.00%         | 11.699%       |
| 34        | 6.072       | 1554          | 1565        | 1586         | rVB      | 351619         | 702900        | 40.89%          | 4.784%        |
| 35        | 6.388       | 1662          | 1663        | 1666         | rBV2     | 532            | 371           | 0.02%           | 0.003%        |
| 36        | 6.436       | 1674          | 1678        | 1681         | rBV3     | 1043           | 794           | 0.05%           | 0.005%        |

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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 | 6.629  | 1735 | 1738 | 1739 | rBV  | 402    | 240     | 0.01%  | 0.002% |
| 38 | 6.651  | 1742 | 1745 | 1749 | rBV4 | 597    | 543     | 0.03%  | 0.004% |
| 39 | 6.905  | 1822 | 1824 | 1827 | rVB2 | 623    | 304     | 0.02%  | 0.002% |
| 40 | 6.989  | 1839 | 1850 | 1869 | rBV  | 199396 | 363911  | 21.17% | 2.477% |
| 41 | 7.320  | 1940 | 1953 | 1970 | rBV  | 743222 | 1288384 | 74.96% | 8.770% |
| 42 | 7.625  | 2038 | 2048 | 2064 | rBV  | 136345 | 238263  | 13.86% | 1.622% |
| 43 | 7.828  | 2107 | 2111 | 2112 | rBV2 | 723    | 548     | 0.03%  | 0.004% |
| 44 | 7.905  | 2133 | 2135 | 2139 | rVB2 | 992    | 718     | 0.04%  | 0.005% |
| 45 | 7.924  | 2139 | 2141 | 2142 | rBV  | 507    | 242     | 0.01%  | 0.002% |
| 46 | 8.021  | 2169 | 2171 | 2174 | rBV3 | 456    | 258     | 0.02%  | 0.002% |
| 47 | 8.050  | 2178 | 2180 | 2183 | rVB2 | 694    | 306     | 0.02%  | 0.002% |
| 48 | 8.095  | 2183 | 2194 | 2228 | rBV2 | 372147 | 795482  | 46.28% | 5.415% |
| 49 | 8.381  | 2280 | 2283 | 2285 | rBV  | 913    | 552     | 0.03%  | 0.004% |
| 50 | 8.420  | 2293 | 2295 | 2299 | rBV2 | 695    | 356     | 0.02%  | 0.002% |
| 51 | 8.439  | 2299 | 2301 | 2303 | rBV2 | 616    | 323     | 0.02%  | 0.002% |
| 52 | 8.513  | 2321 | 2324 | 2329 | rBV4 | 906    | 696     | 0.04%  | 0.005% |
| 53 | 8.535  | 2329 | 2331 | 2334 | rBV3 | 594    | 362     | 0.02%  | 0.002% |
| 54 | 8.793  | 2409 | 2411 | 2413 | rVB2 | 1011   | 362     | 0.02%  | 0.002% |
| 55 | 8.805  | 2413 | 2415 | 2417 | rBV2 | 469    | 306     | 0.02%  | 0.002% |
| 56 | 8.857  | 2420 | 2431 | 2462 | rVV  | 630650 | 1041627 | 60.60% | 7.090% |
| 57 | 9.072  | 2493 | 2498 | 2500 | rBV4 | 705    | 571     | 0.03%  | 0.004% |
| 58 | 9.104  | 2504 | 2508 | 2509 | rBV2 | 828    | 648     | 0.04%  | 0.004% |
| 59 | 9.259  | 2554 | 2556 | 2557 | rBV  | 580    | 267     | 0.02%  | 0.002% |
| 60 | 9.375  | 2589 | 2592 | 2594 | rBV3 | 454    | 279     | 0.02%  | 0.002% |
| 61 | 9.391  | 2594 | 2597 | 2604 | rVB3 | 935    | 717     | 0.04%  | 0.005% |
| 62 | 9.436  | 2608 | 2611 | 2612 | rBV  | 447    | 251     | 0.01%  | 0.002% |
| 63 | 9.487  | 2619 | 2627 | 2630 | rBV4 | 862    | 838     | 0.05%  | 0.006% |
| 64 | 9.529  | 2635 | 2640 | 2641 | rBV2 | 517    | 417     | 0.02%  | 0.003% |
| 65 | 9.600  | 2660 | 2662 | 2667 | rVB  | 466    | 324     | 0.02%  | 0.002% |
| 66 | 9.651  | 2675 | 2678 | 2679 | rBV  | 525    | 264     | 0.02%  | 0.002% |
| 67 | 9.728  | 2700 | 2702 | 2706 | rBV2 | 570    | 350     | 0.02%  | 0.002% |
| 68 | 9.748  | 2706 | 2708 | 2711 | rBV2 | 403    | 329     | 0.02%  | 0.002% |
| 69 | 9.944  | 2765 | 2769 | 2772 | rBV2 | 833    | 746     | 0.04%  | 0.005% |
| 70 | 10.172 | 2837 | 2840 | 2842 | rBV2 | 653    | 376     | 0.02%  | 0.003% |
| 71 | 10.223 | 2844 | 2856 | 2877 | rVV  | 519317 | 812320  | 47.26% | 5.529% |
| 72 | 10.323 | 2884 | 2887 | 2889 | rBV3 | 574    | 300     | 0.02%  | 0.002% |
| 73 | 10.358 | 2895 | 2898 | 2899 | rBV  | 661    | 359     | 0.02%  | 0.002% |
| 74 | 10.490 | 2936 | 2939 | 2941 | rBV2 | 671    | 355     | 0.02%  | 0.002% |
| 75 | 10.693 | 2997 | 3002 | 3005 | rBV2 | 430    | 457     | 0.03%  | 0.003% |
| 76 | 10.747 | 3017 | 3019 | 3022 | rBV4 | 624    | 451     | 0.03%  | 0.003% |

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Peak Location: TOP

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

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 10.931 | 3067 | 3076 | 3084 | rBV6 | 2410   | 4196    | 0.24%  | 0.029% |
| 78  | 11.082 | 3121 | 3123 | 3129 | rBV4 | 563    | 544     | 0.03%  | 0.004% |
| 79  | 11.146 | 3141 | 3143 | 3145 | rBV  | 1303   | 690     | 0.04%  | 0.005% |
| 80  | 11.201 | 3158 | 3160 | 3165 | rBV3 | 368    | 279     | 0.02%  | 0.002% |
| 81  | 11.256 | 3165 | 3177 | 3197 | rBV  | 588896 | 916779  | 53.34% | 6.240% |
| 82  | 11.632 | 3281 | 3294 | 3317 | rBV  | 758957 | 1191843 | 69.34% | 8.112% |
| 83  | 11.821 | 3351 | 3353 | 3355 | rVB  | 731    | 290     | 0.02%  | 0.002% |
| 84  | 11.973 | 3397 | 3400 | 3402 | rBV2 | 576    | 318     | 0.02%  | 0.002% |
| 85  | 12.124 | 3445 | 3447 | 3451 | rVB3 | 716    | 356     | 0.02%  | 0.002% |
| 86  | 12.162 | 3456 | 3459 | 3462 | rBV  | 355    | 260     | 0.02%  | 0.002% |
| 87  | 12.407 | 3534 | 3535 | 3537 | rBV  | 647    | 237     | 0.01%  | 0.002% |
| 88  | 12.436 | 3542 | 3544 | 3547 | rBV  | 462    | 286     | 0.02%  | 0.002% |
| 89  | 12.516 | 3567 | 3569 | 3571 | rBV2 | 632    | 376     | 0.02%  | 0.003% |
| 90  | 12.603 | 3591 | 3596 | 3602 | rBV4 | 927    | 1143    | 0.07%  | 0.008% |
| 91  | 12.628 | 3602 | 3604 | 3606 | rBV  | 622    | 319     | 0.02%  | 0.002% |
| 92  | 12.722 | 3630 | 3633 | 3636 | rBV2 | 675    | 440     | 0.03%  | 0.003% |
| 93  | 12.825 | 3663 | 3665 | 3667 | rBV2 | 504    | 296     | 0.02%  | 0.002% |
| 94  | 13.146 | 3761 | 3765 | 3767 | rBV2 | 745    | 730     | 0.04%  | 0.005% |
| 95  | 13.226 | 3788 | 3790 | 3792 | rBV2 | 661    | 297     | 0.02%  | 0.002% |
| 96  | 13.271 | 3803 | 3804 | 3806 | rBV  | 713    | 299     | 0.02%  | 0.002% |
| 97  | 13.535 | 3884 | 3886 | 3889 | rBV3 | 847    | 581     | 0.03%  | 0.004% |
| 98  | 13.677 | 3928 | 3930 | 3936 | rVB3 | 602    | 420     | 0.02%  | 0.003% |
| 99  | 13.738 | 3947 | 3949 | 3950 | rBV  | 949    | 382     | 0.02%  | 0.003% |
| 100 | 14.062 | 4048 | 4050 | 4056 | rBV4 | 1013   | 604     | 0.04%  | 0.004% |

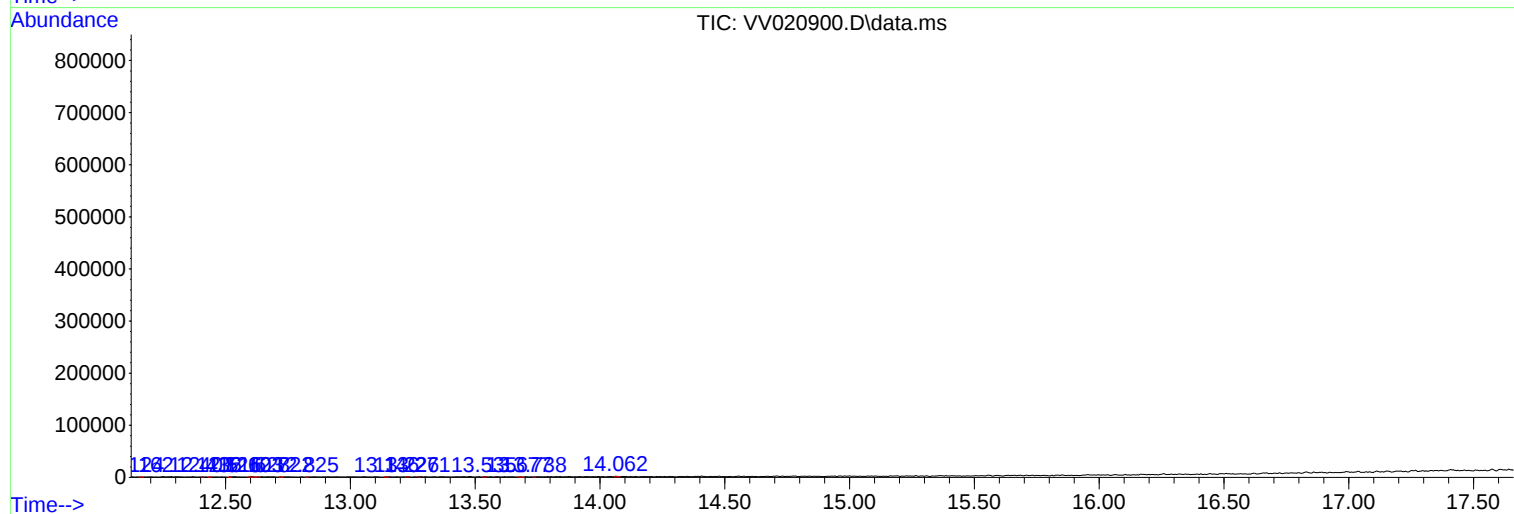
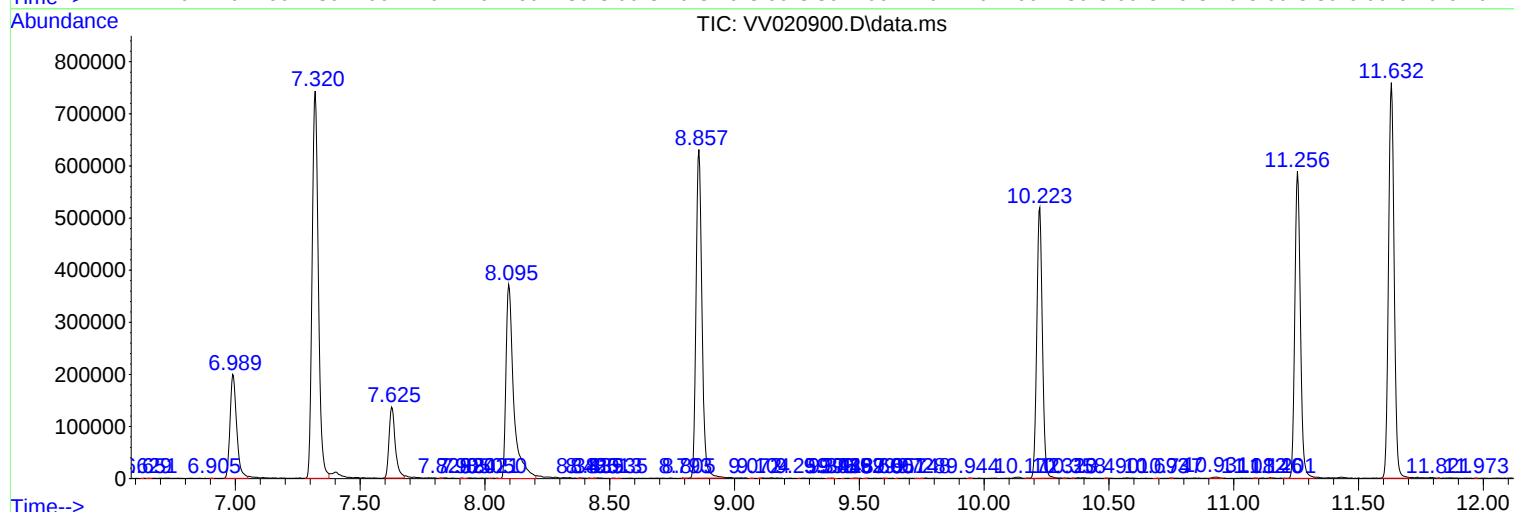
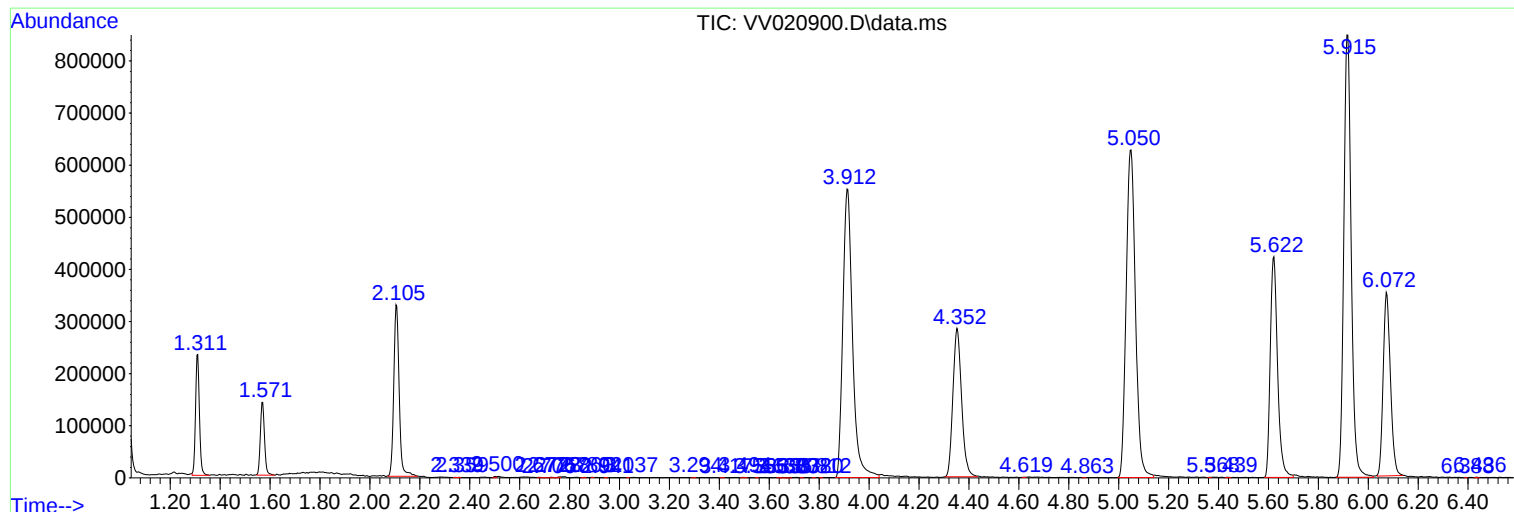
Sum of corrected areas: 14691472

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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



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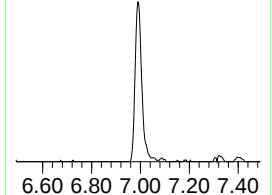
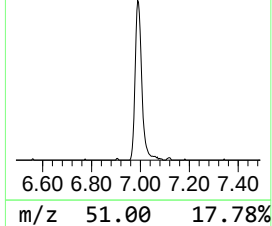
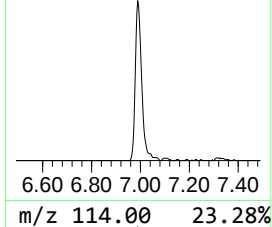
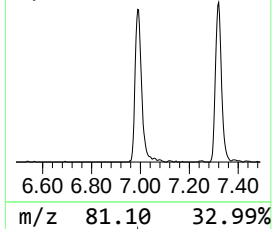
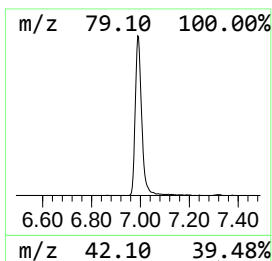
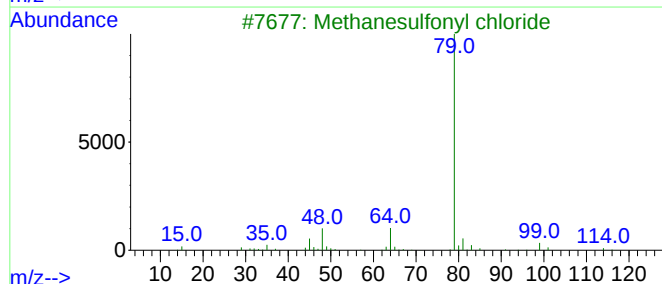
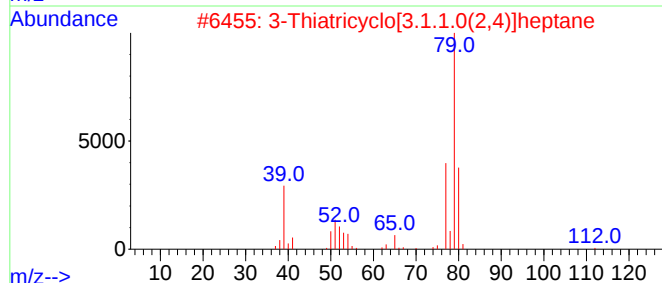
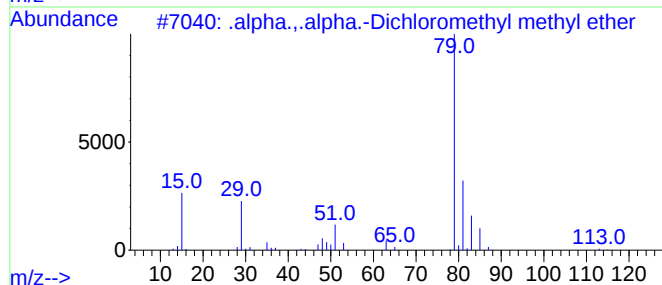
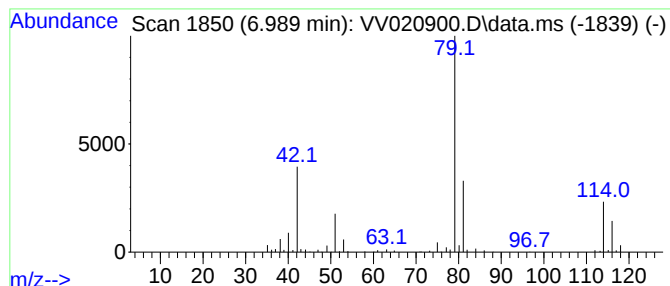
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 6.989 | 21.10 ug/L | 363911 | 1,4-Difluorobenzene | 5.622 |

| Hit# | of                                  | 5                                  | Tentative ID | MW           | MolForm     | CAS# | Qual |
|------|-------------------------------------|------------------------------------|--------------|--------------|-------------|------|------|
| 1    | .                                   | alpha.,.alpha.-Dichloromethyl m... | 114          | C2H4Cl2O     | 004885-02-3 | 37   |      |
| 2    | 3-Thiatricyclo[3.1.1.0(2,4)]heptane | 112                                | C6H8S        | 1000221-37-0 | 32          |      |      |
| 3    | Methanesulfonyl chloride            | 114                                | CH3ClO2S     | 000124-63-0  | 9           |      |      |
| 4    | Methane, oxybis[chloro-             | 114                                | C2H4Cl2O     | 000542-88-1  | 9           |      |      |
| 5    | 2-Propanol, 1,3-dichloro-           | 128                                | C3H6Cl2O     | 000096-23-1  | 9           |      |      |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 6.989 | 21.1    | ug/L  | 363911   | 1                     | 5.622 | 862300 | 50.0 |