

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092322\  
 Data File : VU050930.D  
 Acq On : 23 Sep 2022 19:28  
 Operator : JC/MD  
 Sample : N4747-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E45B2

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\SFAMULM092022WMA.M  
 Title : VOC Analysis

Signal : TIC: VU050930.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         | 1.392       | 10            | 16          | 27           | rVB      | 106569         | 119947        | 7.15%           | 0.954%        |
| 2         | 1.601       | 74            | 81          | 101          | rVB2     | 235798         | 294635        | 17.57%          | 2.343%        |
| 3         | 1.909       | 170           | 177         | 190          | rVB      | 178556         | 231720        | 13.82%          | 1.843%        |
| 4         | 2.565       | 369           | 381         | 397          | rBV      | 332641         | 550363        | 32.83%          | 4.377%        |
| 5         | 2.829       | 461           | 463         | 466          | rVB      | 782            | 402           | 0.02%           | 0.003%        |
| 6         | 2.858       | 466           | 472         | 474          | rBV3     | 359            | 329           | 0.02%           | 0.003%        |
| 7         | 3.041       | 525           | 529         | 531          | rBV3     | 1463           | 1327          | 0.08%           | 0.011%        |
| 8         | 3.141       | 555           | 560         | 564          | rBV3     | 549            | 577           | 0.03%           | 0.005%        |
| 9         | 3.314       | 611           | 614         | 615          | rBV2     | 527            | 308           | 0.02%           | 0.002%        |
| 10        | 3.363       | 617           | 629         | 650          | rVB2     | 30952          | 73476         | 4.38%           | 0.584%        |
| 11        | 3.520       | 675           | 678         | 681          | rBV2     | 182            | 152           | 0.01%           | 0.001%        |
| 12        | 3.662       | 721           | 722         | 725          | rVB      | 171            | 55            | 0.00%           | 0.000%        |
| 13        | 3.684       | 725           | 729         | 731          | rBV2     | 244            | 155           | 0.01%           | 0.001%        |
| 14        | 3.700       | 731           | 734         | 736          | rVV2     | 250            | 130           | 0.01%           | 0.001%        |
| 15        | 3.806       | 764           | 767         | 769          | rBV2     | 136            | 92            | 0.01%           | 0.001%        |
| 16        | 3.867       | 779           | 786         | 802          | rVB5     | 2179           | 5429          | 0.32%           | 0.043%        |
| 17        | 3.929       | 802           | 805         | 808          | rBV      | 251            | 166           | 0.01%           | 0.001%        |
| 18        | 3.964       | 811           | 816         | 819          | rVB3     | 279            | 229           | 0.01%           | 0.002%        |
| 19        | 3.980       | 819           | 821         | 823          | rBV2     | 143            | 81            | 0.00%           | 0.001%        |
| 20        | 4.048       | 838           | 842         | 846          | rBV      | 367            | 239           | 0.01%           | 0.002%        |
| 21        | 4.067       | 846           | 848         | 850          | rBV      | 196            | 113           | 0.01%           | 0.001%        |
| 22        | 4.141       | 869           | 871         | 873          | rBV      | 245            | 115           | 0.01%           | 0.001%        |
| 23        | 4.298       | 916           | 920         | 923          | rBV2     | 1142           | 798           | 0.05%           | 0.006%        |
| 24        | 4.398       | 948           | 951         | 955          | rBV2     | 831            | 706           | 0.04%           | 0.006%        |
| 25        | 4.437       | 960           | 963         | 968          | rVB      | 858            | 542           | 0.03%           | 0.004%        |
| 26        | 4.469       | 970           | 973         | 975          | rBV      | 677            | 356           | 0.02%           | 0.003%        |
| 27        | 4.511       | 983           | 986         | 989          | rVB      | 447            | 259           | 0.02%           | 0.002%        |
| 28        | 4.530       | 989           | 992         | 997          | rBV      | 1140           | 758           | 0.05%           | 0.006%        |
| 29        | 4.559       | 998           | 1001        | 1003         | rBV2     | 498            | 316           | 0.02%           | 0.003%        |
| 30        | 4.623       | 1008          | 1021        | 1059         | rBV      | 198539         | 574990        | 34.29%          | 4.573%        |
| 31        | 5.064       | 1140          | 1158        | 1184         | rBV      | 302606         | 672208        | 40.09%          | 5.346%        |
| 32        | 5.372       | 1251          | 1254        | 1261         | rBV5     | 1235           | 1239          | 0.07%           | 0.010%        |
| 33        | 5.440       | 1273          | 1275        | 1276         | rBV      | 297            | 124           | 0.01%           | 0.001%        |
| 34        | 5.510       | 1294          | 1297        | 1300         | rBV2     | 556            | 363           | 0.02%           | 0.003%        |
| 35        | 5.565       | 1310          | 1314        | 1315         | rBV      | 261            | 175           | 0.01%           | 0.001%        |
| 36        | 5.723       | 1339          | 1363        | 1394         | rBV2     | 610028         | 1676645       | 100.00%         | 13.334%       |

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Integrator: RTE

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Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 6.031  | 1457 | 1459 | 1462 | rBV2 | 544    | 322     | 0.02%  | 0.003% |
| 38 | 6.080  | 1472 | 1474 | 1477 | rBV2 | 287    | 177     | 0.01%  | 0.001% |
| 39 | 6.247  | 1510 | 1526 | 1547 | rBV  | 471142 | 900941  | 53.73% | 7.165% |
| 40 | 6.488  | 1598 | 1601 | 1603 | rBV2 | 391    | 243     | 0.01%  | 0.002% |
| 41 | 6.527  | 1603 | 1613 | 1627 | rVB4 | 11612  | 22887   | 1.37%  | 0.182% |
| 42 | 6.584  | 1630 | 1631 | 1633 | rBV2 | 298    | 129     | 0.01%  | 0.001% |
| 43 | 6.691  | 1649 | 1664 | 1684 | rBV  | 392175 | 776164  | 46.29% | 6.173% |
| 44 | 6.970  | 1749 | 1751 | 1753 | rBV2 | 252    | 165     | 0.01%  | 0.001% |
| 45 | 7.134  | 1800 | 1802 | 1804 | rBV  | 293    | 156     | 0.01%  | 0.001% |
| 46 | 7.186  | 1812 | 1818 | 1825 | rBV7 | 1910   | 2898    | 0.17%  | 0.023% |
| 47 | 7.240  | 1832 | 1835 | 1837 | rBV  | 208    | 131     | 0.01%  | 0.001% |
| 48 | 7.346  | 1866 | 1868 | 1870 | rBV  | 111    | 64      | 0.00%  | 0.001% |
| 49 | 7.366  | 1870 | 1874 | 1876 | rBV  | 287    | 204     | 0.01%  | 0.002% |
| 50 | 7.430  | 1891 | 1894 | 1899 | rBV  | 280    | 163     | 0.01%  | 0.001% |
| 51 | 7.472  | 1905 | 1907 | 1910 | rBV  | 167    | 112     | 0.01%  | 0.001% |
| 52 | 7.488  | 1910 | 1912 | 1913 | rBV  | 205    | 75      | 0.00%  | 0.001% |
| 53 | 7.565  | 1923 | 1936 | 1953 | rBV  | 190323 | 337728  | 20.14% | 2.686% |
| 54 | 7.797  | 2002 | 2008 | 2012 | rBV3 | 1627   | 1811    | 0.11%  | 0.014% |
| 55 | 7.842  | 2020 | 2022 | 2024 | rVB  | 302    | 110     | 0.01%  | 0.001% |
| 56 | 7.896  | 2026 | 2039 | 2055 | rBV  | 685951 | 1174355 | 70.04% | 9.340% |
| 57 | 8.137  | 2112 | 2114 | 2115 | rBV2 | 347    | 143     | 0.01%  | 0.001% |
| 58 | 8.179  | 2115 | 2127 | 2143 | rVV  | 138721 | 234866  | 14.01% | 1.868% |
| 59 | 8.401  | 2191 | 2196 | 2200 | rVB4 | 973    | 901     | 0.05%  | 0.007% |
| 60 | 8.549  | 2238 | 2242 | 2244 | rBV2 | 863    | 735     | 0.04%  | 0.006% |
| 61 | 8.633  | 2256 | 2268 | 2303 | rBV3 | 531034 | 1077053 | 64.24% | 8.566% |
| 62 | 8.919  | 2353 | 2357 | 2361 | rBV2 | 764    | 691     | 0.04%  | 0.005% |
| 63 | 8.980  | 2373 | 2376 | 2380 | rBV  | 429    | 290     | 0.02%  | 0.002% |
| 64 | 9.051  | 2396 | 2398 | 2400 | rBV  | 252    | 60      | 0.00%  | 0.000% |
| 65 | 9.112  | 2414 | 2417 | 2421 | rBV  | 272    | 233     | 0.01%  | 0.002% |
| 66 | 9.224  | 2447 | 2452 | 2453 | rBV  | 361    | 223     | 0.01%  | 0.002% |
| 67 | 9.366  | 2493 | 2496 | 2498 | rBV  | 222    | 137     | 0.01%  | 0.001% |
| 68 | 9.417  | 2498 | 2512 | 2542 | rBV  | 652041 | 1097807 | 65.48% | 8.731% |
| 69 | 9.732  | 2608 | 2610 | 2613 | rBV2 | 306    | 151     | 0.01%  | 0.001% |
| 70 | 9.848  | 2642 | 2646 | 2648 | rBV2 | 292    | 213     | 0.01%  | 0.002% |
| 71 | 9.890  | 2657 | 2659 | 2662 | rVB  | 354    | 156     | 0.01%  | 0.001% |
| 72 | 9.944  | 2673 | 2676 | 2679 | rVB2 | 237    | 167     | 0.01%  | 0.001% |
| 73 | 9.980  | 2684 | 2687 | 2689 | rBV  | 214    | 139     | 0.01%  | 0.001% |
| 74 | 10.009 | 2694 | 2696 | 2698 | rBV  | 196    | 123     | 0.01%  | 0.001% |
| 75 | 10.105 | 2719 | 2726 | 2729 | rBV2 | 1296   | 1615    | 0.10%  | 0.013% |
| 76 | 10.176 | 2746 | 2748 | 2750 | rBV2 | 213    | 113     | 0.01%  | 0.001% |

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Integration Parameters: LSCINT.P

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 10.308 | 2786 | 2789 | 2794 | rBV2 | 266    | 264    | 0.02%  | 0.002% |
| 78 | 10.668 | 2895 | 2901 | 2910 | rVB6 | 1975   | 2994   | 0.18%  | 0.024% |
| 79 | 10.755 | 2914 | 2928 | 2947 | rBV  | 578852 | 935280 | 55.78% | 7.438% |
| 80 | 10.886 | 2963 | 2969 | 2970 | rBV4 | 3861   | 3258   | 0.19%  | 0.026% |
| 81 | 10.957 | 2989 | 2991 | 2993 | rBV2 | 257    | 151    | 0.01%  | 0.001% |
| 82 | 11.186 | 3059 | 3062 | 3064 | rBV2 | 307    | 207    | 0.01%  | 0.002% |
| 83 | 11.227 | 3073 | 3075 | 3079 | rVB2 | 616    | 337    | 0.02%  | 0.003% |
| 84 | 11.324 | 3103 | 3105 | 3108 | rBV  | 353    | 217    | 0.01%  | 0.002% |
| 85 | 11.420 | 3132 | 3135 | 3137 | rBV  | 504    | 293    | 0.02%  | 0.002% |
| 86 | 11.568 | 3176 | 3181 | 3189 | rBV4 | 748    | 829    | 0.05%  | 0.007% |
| 87 | 11.809 | 3244 | 3256 | 3274 | rBV  | 514227 | 799946 | 47.71% | 6.362% |
| 88 | 12.063 | 3325 | 3335 | 3357 | rBV2 | 17382  | 35334  | 2.11%  | 0.281% |
| 89 | 12.192 | 3362 | 3375 | 3398 | rBV  | 581030 | 950225 | 56.67% | 7.557% |
| 90 | 12.404 | 3439 | 3441 | 3443 | rBV2 | 549    | 264    | 0.02%  | 0.002% |

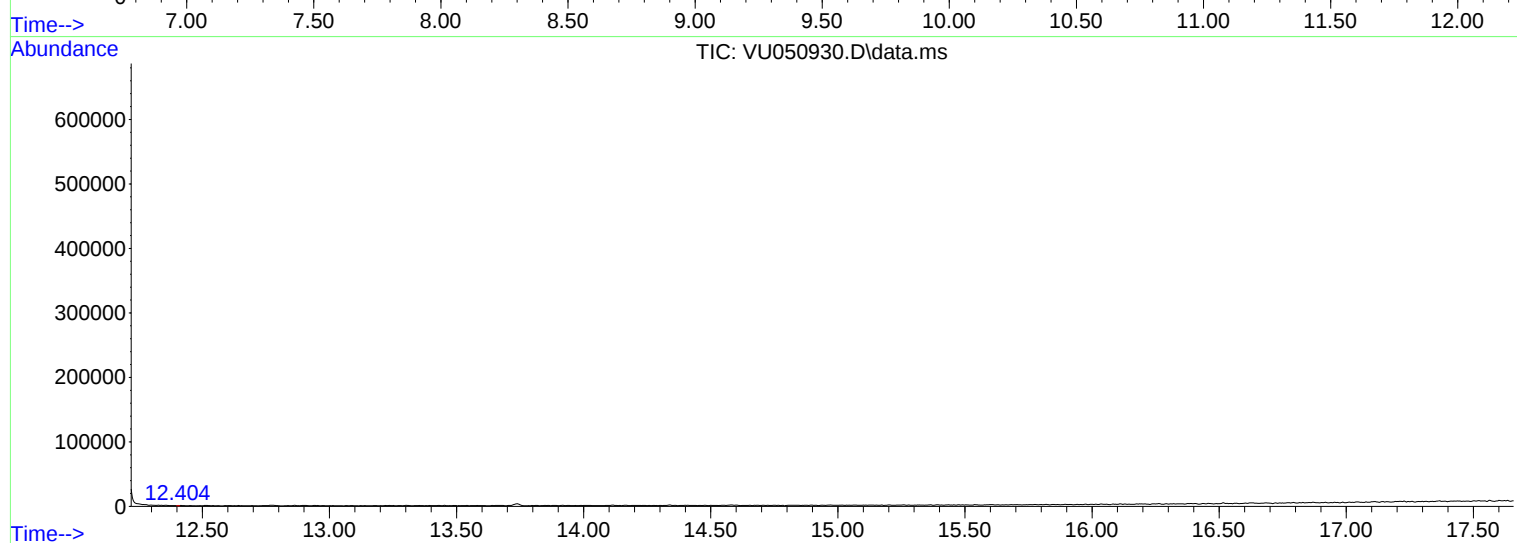
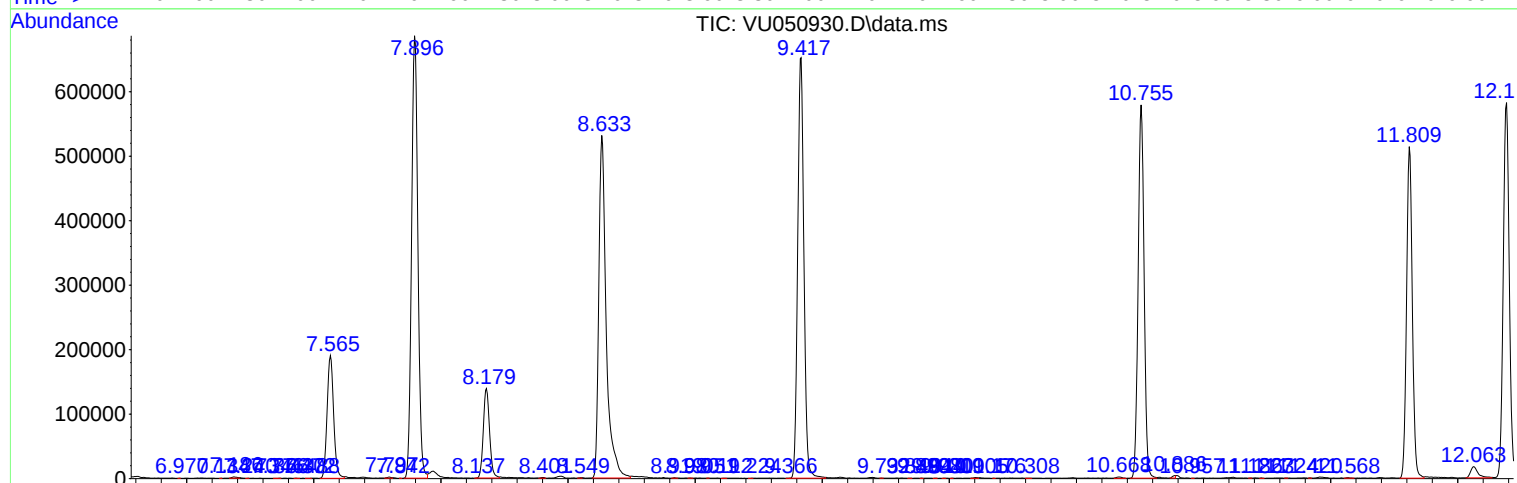
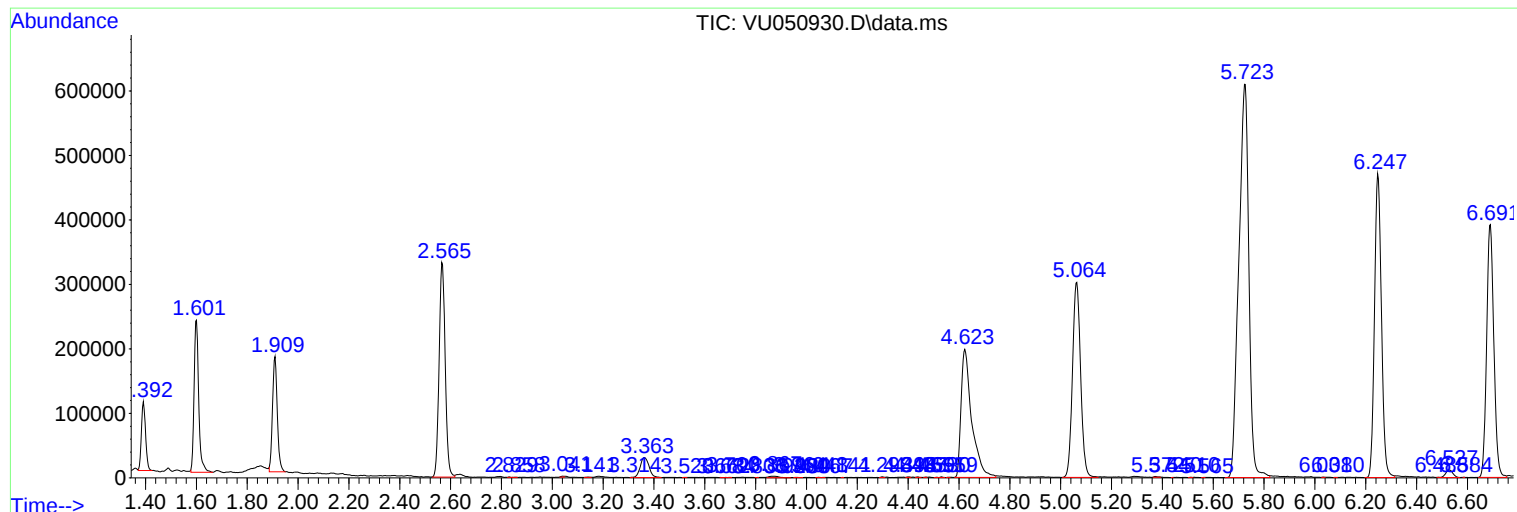
Sum of corrected areas: 12573769

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092322\  
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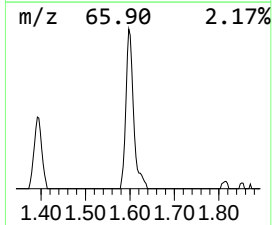
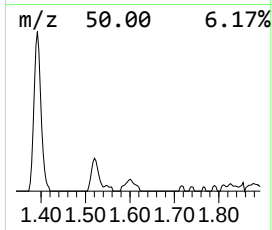
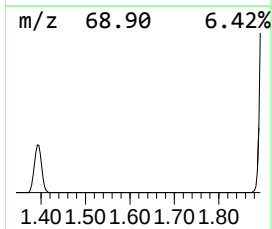
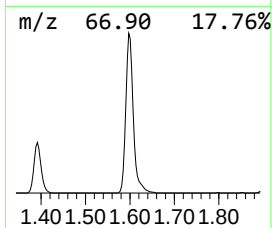
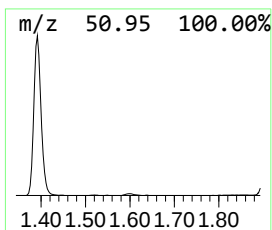
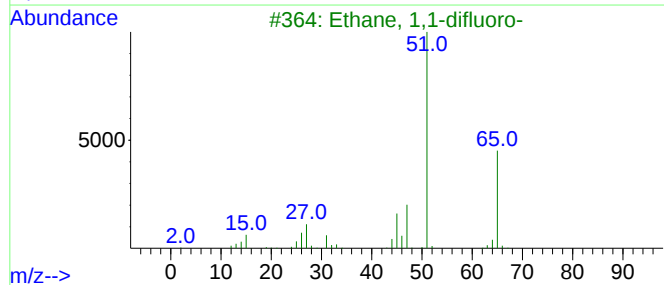
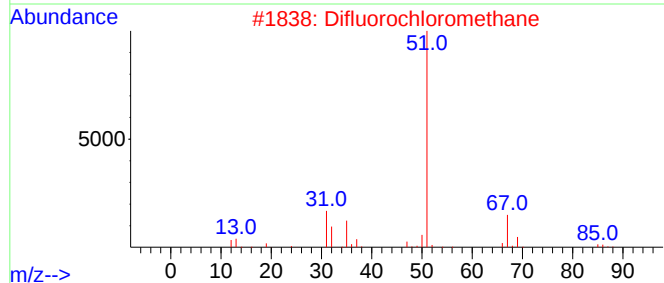
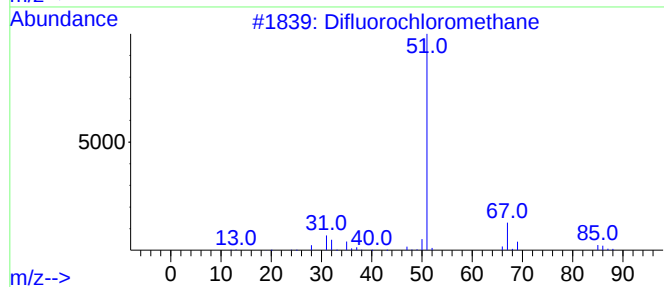
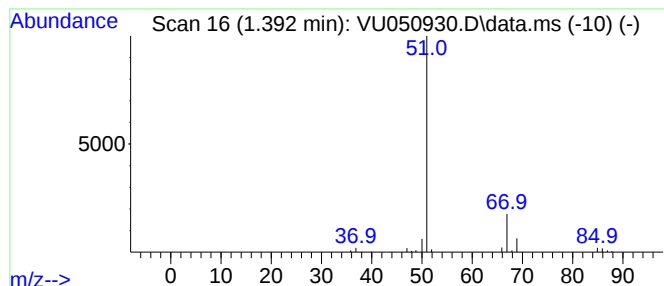
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Difluorochloromethane Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.392 | 6.66 ug/L | 119947 | 1,4-Difluorobenzene | 6.247 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | Difluorochloromethane | 86 | CHClF2  | 000075-45-6 | 91   |
| 2    |    |   | Difluorochloromethane | 86 | CHClF2  | 000075-45-6 | 91   |
| 3    |    |   | Ethane, 1,1-difluoro- | 66 | C2H4F2  | 000075-37-6 | 7    |
| 4    |    |   | Ethane, 1,1-difluoro- | 66 | C2H4F2  | 000075-37-6 | 5    |
| 5    |    |   | Ethane, 1,1-difluoro- | 66 | C2H4F2  | 000075-37-6 | 5    |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Difluorochlorom... | 1.392 | 6.7     | ug/L  | 119947   | 1                     | 6.247 | 900941 | 50.0 |