

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120321\  
 Data File : VU046082.D  
 Acq On : 03 Dec 2021 18:24  
 Operator : SY/MD  
 Sample : M4869-08  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ESQN7

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\SFAMULM112921WMA.M  
 Title : VOC Analysis

Signal : TIC: VU046082.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         | 1.391       | 11            | 16          | 40           | rVB3     | 35423          | 71588         | 8.27%           | 0.990%        |
| 2         | 1.517       | 45            | 55          | 74           | rBV      | 254515         | 865493        | 100.00%         | 11.975%       |
| 3         | 2.571       | 371           | 383         | 401          | rBV      | 145020         | 239910        | 27.72%          | 3.319%        |
| 4         | 2.803       | 447           | 455         | 458          | rBV      | 1025           | 1692          | 0.20%           | 0.023%        |
| 5         | 3.668       | 722           | 724         | 729          | rBV      | 268            | 145           | 0.02%           | 0.002%        |
| 6         | 3.774       | 754           | 757         | 759          | rBV      | 170            | 151           | 0.02%           | 0.002%        |
| 7         | 3.874       | 773           | 788         | 808          | rVB      | 27362          | 64157         | 7.41%           | 0.888%        |
| 8         | 3.948       | 808           | 811         | 813          | rBV      | 154            | 130           | 0.02%           | 0.002%        |
| 9         | 3.986       | 819           | 823         | 825          | rBV2     | 237            | 162           | 0.02%           | 0.002%        |
| 10        | 4.025       | 833           | 835         | 839          | rVB      | 246            | 146           | 0.02%           | 0.002%        |
| 11        | 4.057       | 840           | 845         | 846          | rBV      | 200            | 187           | 0.02%           | 0.003%        |
| 12        | 4.263       | 907           | 909         | 911          | rVB      | 253            | 123           | 0.01%           | 0.002%        |
| 13        | 4.279       | 911           | 914         | 916          | rBV      | 154            | 127           | 0.01%           | 0.002%        |
| 14        | 4.559       | 996           | 1001        | 1006         | rBV      | 215            | 309           | 0.04%           | 0.004%        |
| 15        | 4.639       | 1009          | 1026        | 1061         | rBV      | 81067          | 251113        | 29.01%          | 3.474%        |
| 16        | 5.067       | 1143          | 1159        | 1178         | rBV      | 149477         | 324373        | 37.48%          | 4.488%        |
| 17        | 5.263       | 1217          | 1220        | 1224         | rVB2     | 193            | 121           | 0.01%           | 0.002%        |
| 18        | 5.308       | 1232          | 1234        | 1238         | rVB2     | 251            | 195           | 0.02%           | 0.003%        |
| 19        | 5.362       | 1248          | 1251        | 1253         | rBV      | 144            | 114           | 0.01%           | 0.002%        |
| 20        | 5.468       | 1281          | 1284        | 1287         | rVB      | 316            | 210           | 0.02%           | 0.003%        |
| 21        | 5.491       | 1288          | 1291        | 1293         | rBV      | 160            | 134           | 0.02%           | 0.002%        |
| 22        | 5.587       | 1316          | 1321        | 1326         | rBV      | 187            | 298           | 0.03%           | 0.004%        |
| 23        | 5.623       | 1329          | 1332        | 1335         | rBV2     | 198            | 151           | 0.02%           | 0.002%        |
| 24        | 5.729       | 1342          | 1365        | 1401         | rBV2     | 278256         | 787318        | 90.97%          | 10.893%       |
| 25        | 5.938       | 1427          | 1430        | 1436         | rVB2     | 496            | 515           | 0.06%           | 0.007%        |
| 26        | 5.967       | 1436          | 1439        | 1441         | rBV2     | 434            | 244           | 0.03%           | 0.003%        |
| 27        | 6.002       | 1447          | 1450        | 1457         | rBV2     | 150            | 253           | 0.03%           | 0.004%        |
| 28        | 6.041       | 1457          | 1462        | 1466         | rVB3     | 433            | 529           | 0.06%           | 0.007%        |
| 29        | 6.131       | 1488          | 1490        | 1492         | rVB      | 251            | 118           | 0.01%           | 0.002%        |
| 30        | 6.150       | 1493          | 1496        | 1499         | rBV      | 131            | 141           | 0.02%           | 0.002%        |
| 31        | 6.253       | 1513          | 1528        | 1550         | rBV      | 269905         | 511569        | 59.11%          | 7.078%        |
| 32        | 6.417       | 1575          | 1579        | 1584         | rVB2     | 323            | 275           | 0.03%           | 0.004%        |
| 33        | 6.529       | 1609          | 1614        | 1617         | rBV3     | 1036           | 1233          | 0.14%           | 0.017%        |
| 34        | 6.616       | 1639          | 1641        | 1648         | rVB      | 178            | 113           | 0.01%           | 0.002%        |
| 35        | 6.693       | 1650          | 1665        | 1681         | rBV      | 184457         | 350014        | 40.44%          | 4.843%        |
| 36        | 6.812       | 1701          | 1702        | 1706         | rVB2     | 529            | 305           | 0.04%           | 0.004%        |

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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\SFAMULM112921WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.044  | 1754 | 1774 | 1778 | rBV3 | 2157   | 5927   | 0.68%  | 0.082% |
| 38 | 7.182  | 1809 | 1817 | 1828 | rVB3 | 2056   | 3287   | 0.38%  | 0.045% |
| 39 | 7.311  | 1850 | 1857 | 1862 | rBV  | 176    | 294    | 0.03%  | 0.004% |
| 40 | 7.568  | 1923 | 1937 | 1954 | rBV  | 98959  | 169661 | 19.60% | 2.347% |
| 41 | 7.661  | 1964 | 1966 | 1967 | rBV  | 316    | 117    | 0.01%  | 0.002% |
| 42 | 7.684  | 1967 | 1973 | 1982 | rVB2 | 1583   | 2445   | 0.28%  | 0.034% |
| 43 | 7.899  | 2026 | 2040 | 2057 | rBV  | 345556 | 599350 | 69.25% | 8.292% |
| 44 | 8.054  | 2085 | 2088 | 2093 | rVB3 | 233    | 223    | 0.03%  | 0.003% |
| 45 | 8.179  | 2115 | 2127 | 2154 | rBV  | 65641  | 110458 | 12.76% | 1.528% |
| 46 | 8.433  | 2200 | 2206 | 2210 | rBV  | 84     | 104    | 0.01%  | 0.001% |
| 47 | 8.472  | 2211 | 2218 | 2219 | rVV  | 411    | 455    | 0.05%  | 0.006% |
| 48 | 8.484  | 2219 | 2222 | 2230 | rVV4 | 607    | 781    | 0.09%  | 0.011% |
| 49 | 8.636  | 2255 | 2269 | 2310 | rBV  | 262268 | 480341 | 55.50% | 6.646% |
| 50 | 8.793  | 2315 | 2318 | 2325 | rVB3 | 377    | 428    | 0.05%  | 0.006% |
| 51 | 9.134  | 2418 | 2424 | 2427 | rBV  | 184    | 261    | 0.03%  | 0.004% |
| 52 | 9.160  | 2427 | 2432 | 2435 | rBV2 | 200    | 201    | 0.02%  | 0.003% |
| 53 | 9.266  | 2457 | 2465 | 2468 | rBV  | 187    | 308    | 0.04%  | 0.004% |
| 54 | 9.417  | 2499 | 2512 | 2538 | rVV  | 386085 | 641419 | 74.11% | 8.874% |
| 55 | 9.571  | 2555 | 2560 | 2566 | rVB2 | 428    | 539    | 0.06%  | 0.007% |
| 56 | 9.690  | 2586 | 2597 | 2607 | rVB3 | 3918   | 5228   | 0.60%  | 0.072% |
| 57 | 9.758  | 2615 | 2618 | 2620 | rVB  | 216    | 111    | 0.01%  | 0.002% |
| 58 | 10.095 | 2720 | 2723 | 2725 | rBV  | 177    | 135    | 0.02%  | 0.002% |
| 59 | 10.121 | 2729 | 2731 | 2734 | rVB2 | 193    | 110    | 0.01%  | 0.002% |
| 60 | 10.484 | 2840 | 2844 | 2850 | rBV  | 295    | 341    | 0.04%  | 0.005% |
| 61 | 10.671 | 2896 | 2902 | 2909 | rBV  | 1182   | 1273   | 0.15%  | 0.018% |
| 62 | 10.758 | 2917 | 2929 | 2949 | rVB  | 281394 | 457685 | 52.88% | 6.332% |
| 63 | 10.861 | 2958 | 2961 | 2965 | rVV2 | 158    | 174    | 0.02%  | 0.002% |
| 64 | 10.893 | 2968 | 2971 | 2978 | rVB2 | 517    | 486    | 0.06%  | 0.007% |
| 65 | 11.089 | 3029 | 3032 | 3037 | rVB  | 221    | 181    | 0.02%  | 0.003% |
| 66 | 11.365 | 3114 | 3118 | 3120 | rBV  | 127    | 108    | 0.01%  | 0.001% |
| 67 | 11.462 | 3139 | 3148 | 3150 | rBV2 | 974    | 1029   | 0.12%  | 0.014% |
| 68 | 11.655 | 3205 | 3208 | 3211 | rBV2 | 291    | 239    | 0.03%  | 0.003% |
| 69 | 11.742 | 3231 | 3235 | 3237 | rBV  | 304    | 211    | 0.02%  | 0.003% |
| 70 | 11.812 | 3244 | 3257 | 3275 | rVB  | 421109 | 653371 | 75.49% | 9.040% |
| 71 | 11.896 | 3280 | 3283 | 3290 | rVB3 | 269    | 222    | 0.03%  | 0.003% |
| 72 | 11.934 | 3292 | 3295 | 3300 | rBV2 | 314    | 302    | 0.03%  | 0.004% |
| 73 | 12.060 | 3330 | 3334 | 3337 | rBV2 | 214    | 140    | 0.02%  | 0.002% |
| 74 | 12.108 | 3347 | 3349 | 3352 | rVB2 | 193    | 110    | 0.01%  | 0.002% |
| 75 | 12.131 | 3352 | 3356 | 3358 | rBV  | 166    | 114    | 0.01%  | 0.002% |
| 76 | 12.195 | 3360 | 3376 | 3392 | rVV  | 387850 | 609327 | 70.40% | 8.430% |

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Peak Location: TOP

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

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Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 12.282 | 3399 | 3403 | 3405 | rBV  | 159  | 121  | 0.01% | 0.002% |
| 78  | 12.680 | 3523 | 3527 | 3530 | rBV2 | 218  | 174  | 0.02% | 0.002% |
| 79  | 12.767 | 3551 | 3554 | 3555 | rBV  | 174  | 101  | 0.01% | 0.001% |
| 80  | 12.848 | 3575 | 3579 | 3582 | rBV2 | 181  | 119  | 0.01% | 0.002% |
| 81  | 13.079 | 3648 | 3651 | 3653 | rBV  | 157  | 103  | 0.01% | 0.001% |
| 82  | 13.217 | 3691 | 3694 | 3696 | rBV2 | 328  | 220  | 0.03% | 0.003% |
| 83  | 13.603 | 3811 | 3814 | 3818 | rVB  | 191  | 139  | 0.02% | 0.002% |
| 84  | 13.667 | 3831 | 3834 | 3837 | rBV  | 155  | 114  | 0.01% | 0.002% |
| 85  | 13.844 | 3884 | 3889 | 3894 | rVB3 | 486  | 597  | 0.07% | 0.008% |
| 86  | 14.047 | 3949 | 3952 | 3956 | rVB2 | 137  | 102  | 0.01% | 0.001% |
| 87  | 14.089 | 3958 | 3965 | 3972 | rBV3 | 1195 | 1589 | 0.18% | 0.022% |
| 88  | 14.147 | 3980 | 3983 | 3986 | rBV  | 193  | 106  | 0.01% | 0.001% |
| 89  | 14.339 | 4034 | 4043 | 4046 | rBV3 | 402  | 562  | 0.06% | 0.008% |
| 90  | 14.481 | 4084 | 4087 | 4092 | rBV2 | 179  | 137  | 0.02% | 0.002% |
| 91  | 14.581 | 4113 | 4118 | 4123 | rVB2 | 319  | 392  | 0.05% | 0.005% |
| 92  | 14.835 | 4194 | 4197 | 4199 | rVV  | 262  | 151  | 0.02% | 0.002% |
| 93  | 14.934 | 4225 | 4228 | 4230 | rVB  | 253  | 132  | 0.02% | 0.002% |
| 94  | 14.950 | 4231 | 4233 | 4238 | rVB  | 194  | 117  | 0.01% | 0.002% |
| 95  | 15.185 | 4303 | 4306 | 4309 | rVB  | 265  | 149  | 0.02% | 0.002% |
| 96  | 15.227 | 4316 | 4319 | 4323 | rBV2 | 350  | 283  | 0.03% | 0.004% |
| 97  | 15.352 | 4354 | 4358 | 4360 | rBV  | 252  | 224  | 0.03% | 0.003% |
| 98  | 15.420 | 4377 | 4379 | 4381 | rBV  | 153  | 111  | 0.01% | 0.002% |
| 99  | 16.468 | 4701 | 4705 | 4710 | rBV3 | 485  | 512  | 0.06% | 0.007% |
| 100 | 16.507 | 4715 | 4717 | 4721 | rBV3 | 360  | 280  | 0.03% | 0.004% |

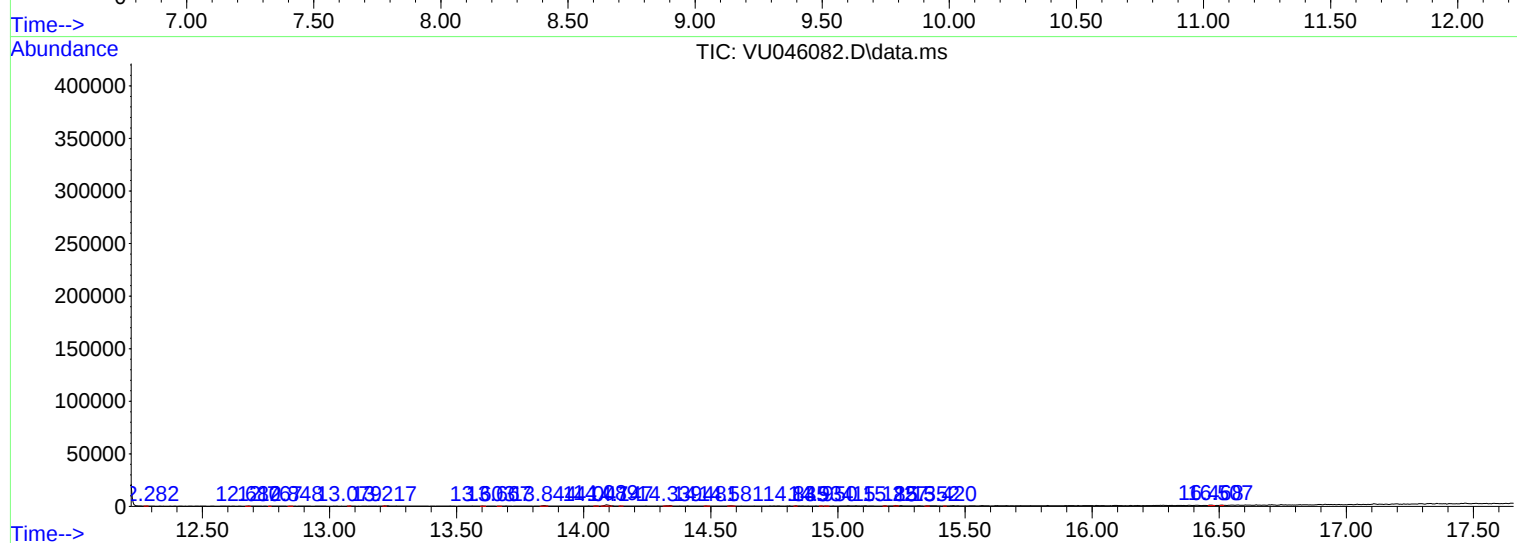
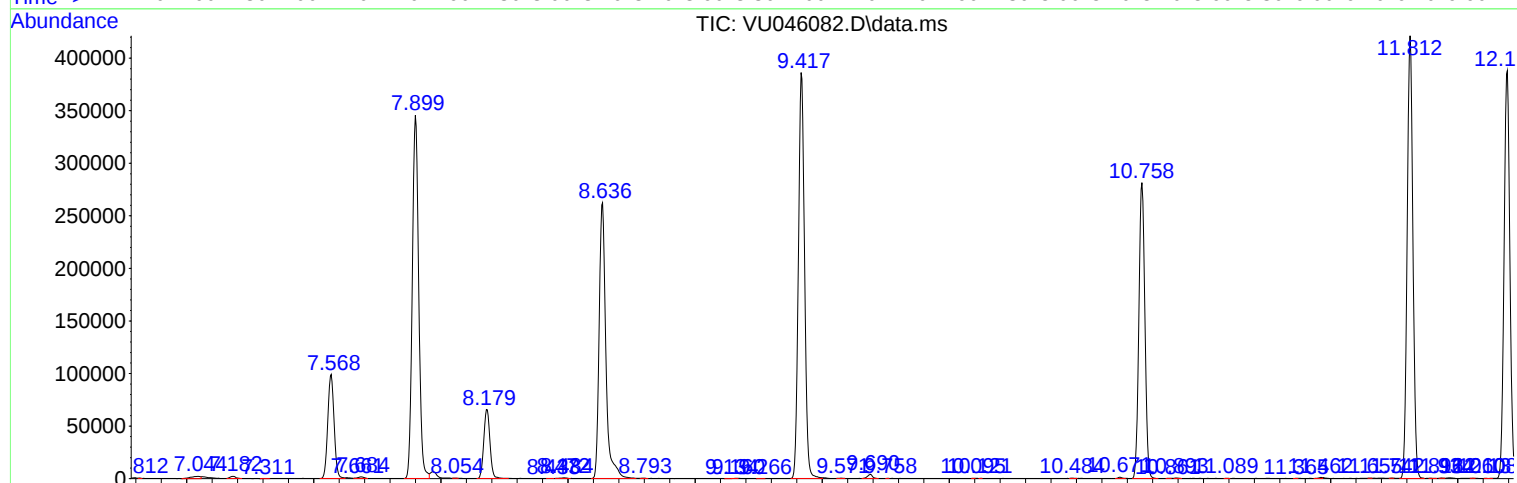
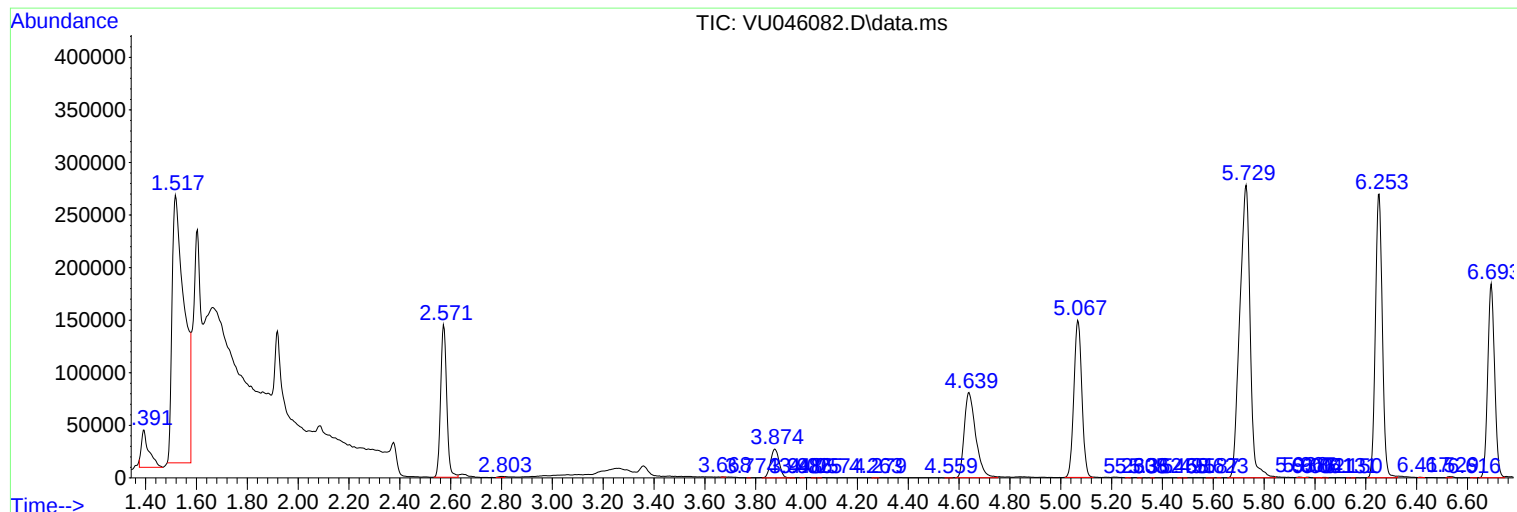
Sum of corrected areas: 7227687

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis

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



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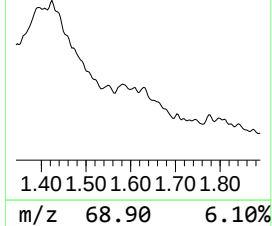
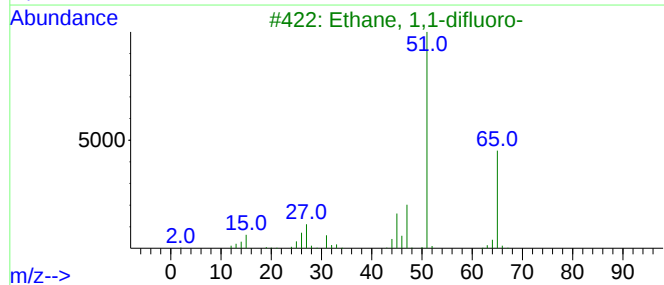
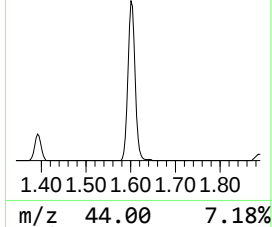
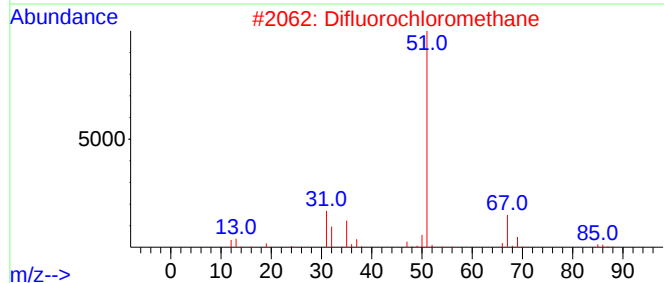
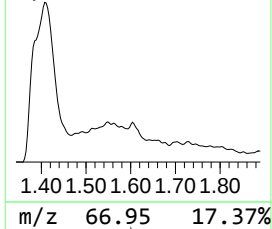
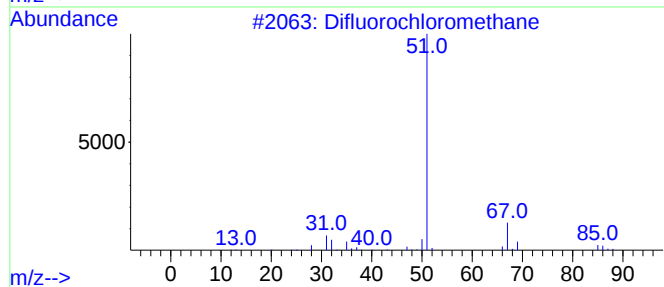
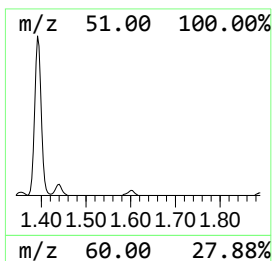
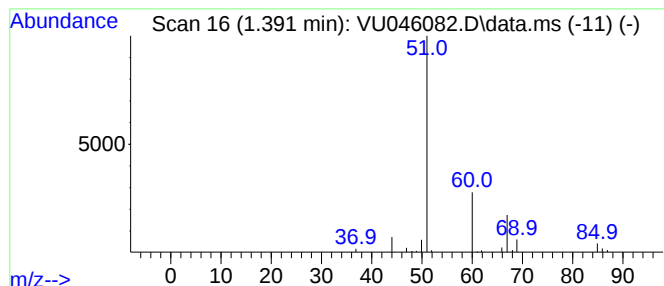
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.391 | 7.00 ug/L | 71588 | 1,4-Difluorobenzene | 6.253 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Difluorochloromethane               | 86  | CHClF2    | 000075-45-6  | 87   |
| 2    |    |   | Difluorochloromethane               | 86  | CHClF2    | 000075-45-6  | 86   |
| 3    |    |   | Ethane, 1,1-difluoro-               | 66  | C2H4F2    | 000075-37-6  | 9    |
| 4    |    |   | 2-p-Nitrobenzoyl-1,3,5-tribenzyl... | 569 | C33H31NO8 | 1000129-85-6 | 9    |
| 5    |    |   | Ethane, 1,1-difluoro-               | 66  | C2H4F2    | 000075-37-6  | 7    |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Difluorochlorom... | 1.391 | 7.0     | ug/L  | 71588    | 1                     | 6.253 | 511569 | 50.0 |