

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV030922\  
 Data File : VV024892.D  
 Acq On : 09 Mar 2022 23:20  
 Operator : SY/MD  
 Sample : N1856-07  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0D59

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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

Signal : TIC: VV024892.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         | 1.307       | 76            | 83          | 102          | rVB      | 173289         | 176781        | 13.31%          | 1.823%        |
| 2         | 1.568       | 156           | 164         | 179          | rVB      | 151898         | 173247        | 13.05%          | 1.786%        |
| 3         | 1.973       | 286           | 290         | 294          | rBV2     | 816            | 878           | 0.07%           | 0.009%        |
| 4         | 2.056       | 314           | 316         | 321          | rVB3     | 489            | 327           | 0.02%           | 0.003%        |
| 5         | 2.108       | 321           | 332         | 355          | rBV2     | 314279         | 482472        | 36.33%          | 4.975%        |
| 6         | 2.439       | 431           | 435         | 436          | rBV2     | 229            | 174           | 0.01%           | 0.002%        |
| 7         | 2.503       | 450           | 455         | 456          | rBV2     | 356            | 274           | 0.02%           | 0.003%        |
| 8         | 2.513       | 456           | 458         | 462          | rVB3     | 629            | 444           | 0.03%           | 0.005%        |
| 9         | 2.642       | 495           | 498         | 502          | rBV      | 229            | 202           | 0.02%           | 0.002%        |
| 10        | 3.002       | 607           | 610         | 614          | rBV      | 263            | 178           | 0.01%           | 0.002%        |
| 11        | 3.040       | 617           | 622         | 624          | rBV2     | 163            | 155           | 0.01%           | 0.002%        |
| 12        | 3.198       | 662           | 671         | 679          | rVB3     | 701            | 1518          | 0.11%           | 0.016%        |
| 13        | 3.236       | 679           | 683         | 685          | rBV2     | 202            | 169           | 0.01%           | 0.002%        |
| 14        | 3.314       | 704           | 707         | 713          | rVB      | 242            | 194           | 0.01%           | 0.002%        |
| 15        | 3.423       | 737           | 741         | 743          | rBV      | 253            | 199           | 0.01%           | 0.002%        |
| 16        | 3.445       | 743           | 748         | 751          | rVB2     | 275            | 243           | 0.02%           | 0.003%        |
| 17        | 3.478       | 755           | 758         | 762          | rVB      | 240            | 200           | 0.02%           | 0.002%        |
| 18        | 3.503       | 762           | 766         | 770          | rBV2     | 282            | 268           | 0.02%           | 0.003%        |
| 19        | 3.568       | 783           | 786         | 792          | rBV      | 273            | 197           | 0.01%           | 0.002%        |
| 20        | 3.670       | 813           | 818         | 824          | rBV2     | 228            | 222           | 0.02%           | 0.002%        |
| 21        | 3.899       | 876           | 889         | 929          | rBV2     | 88256          | 322032        | 24.25%          | 3.320%        |
| 22        | 4.349       | 1012          | 1029        | 1062         | rBV      | 214391         | 530415        | 39.94%          | 5.469%        |
| 23        | 4.542       | 1086          | 1089        | 1093         | rBV2     | 285            | 214           | 0.02%           | 0.002%        |
| 24        | 4.613       | 1098          | 1111        | 1124         | rBV5     | 2940           | 6755          | 0.51%           | 0.070%        |
| 25        | 4.796       | 1163          | 1168        | 1173         | rBV2     | 255            | 290           | 0.02%           | 0.003%        |
| 26        | 4.825       | 1173          | 1177        | 1181         | rVB2     | 238            | 187           | 0.01%           | 0.002%        |
| 27        | 4.944       | 1212          | 1214        | 1220         | rVB2     | 344            | 238           | 0.02%           | 0.002%        |
| 28        | 5.047       | 1229          | 1246        | 1276         | rBV2     | 518085         | 1328065       | 100.00%         | 13.693%       |
| 29        | 5.616       | 1409          | 1423        | 1455         | rBV      | 342075         | 684578        | 51.55%          | 7.058%        |
| 30        | 5.760       | 1464          | 1468        | 1474         | rVB2     | 327            | 274           | 0.02%           | 0.003%        |
| 31        | 5.854       | 1491          | 1497        | 1502         | rBV2     | 223            | 309           | 0.02%           | 0.003%        |
| 32        | 5.905       | 1503          | 1513        | 1533         | rBV3     | 27062          | 59306         | 4.47%           | 0.611%        |
| 33        | 5.992       | 1538          | 1540        | 1545         | rVB3     | 424            | 268           | 0.02%           | 0.003%        |
| 34        | 6.069       | 1549          | 1564        | 1595         | rBV      | 296652         | 603043        | 45.41%          | 6.218%        |
| 35        | 6.259       | 1620          | 1623        | 1626         | rVB2     | 686            | 369           | 0.03%           | 0.004%        |
| 36        | 6.288       | 1630          | 1632        | 1636         | rBV      | 315            | 185           | 0.01%           | 0.002%        |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 6.577  | 1719 | 1722 | 1725 | rVB3 | 336    | 227     | 0.02%  | 0.002%  |
| 38 | 6.596  | 1725 | 1728 | 1731 | rBV2 | 349    | 250     | 0.02%  | 0.003%  |
| 39 | 6.638  | 1733 | 1741 | 1746 | rBV3 | 1206   | 1939    | 0.15%  | 0.020%  |
| 40 | 6.764  | 1778 | 1780 | 1788 | rVB2 | 355    | 355     | 0.03%  | 0.004%  |
| 41 | 6.809  | 1788 | 1794 | 1797 | rBV2 | 395    | 312     | 0.02%  | 0.003%  |
| 42 | 6.985  | 1838 | 1849 | 1876 | rBV  | 149565 | 275299  | 20.73% | 2.838%  |
| 43 | 7.175  | 1902 | 1908 | 1910 | rBV  | 697    | 644     | 0.05%  | 0.007%  |
| 44 | 7.265  | 1932 | 1936 | 1938 | rBV  | 211    | 204     | 0.02%  | 0.002%  |
| 45 | 7.313  | 1939 | 1951 | 1970 | rBV  | 609968 | 1057510 | 79.63% | 10.904% |
| 46 | 7.619  | 2037 | 2046 | 2074 | rBV  | 99491  | 173904  | 13.09% | 1.793%  |
| 47 | 7.928  | 2137 | 2142 | 2143 | rBV  | 514    | 340     | 0.03%  | 0.004%  |
| 48 | 7.989  | 2158 | 2161 | 2165 | rVB2 | 262    | 176     | 0.01%  | 0.002%  |
| 49 | 8.018  | 2165 | 2170 | 2172 | rBV  | 209    | 169     | 0.01%  | 0.002%  |
| 50 | 8.088  | 2182 | 2192 | 2236 | rBV  | 332921 | 642015  | 48.34% | 6.620%  |
| 51 | 8.297  | 2254 | 2257 | 2259 | rBV2 | 295    | 237     | 0.02%  | 0.002%  |
| 52 | 8.609  | 2348 | 2354 | 2357 | rBV3 | 308    | 312     | 0.02%  | 0.003%  |
| 53 | 8.735  | 2390 | 2393 | 2398 | rVB2 | 228    | 212     | 0.02%  | 0.002%  |
| 54 | 8.773  | 2398 | 2405 | 2409 | rBV2 | 307    | 410     | 0.03%  | 0.004%  |
| 55 | 8.850  | 2417 | 2429 | 2458 | rBV  | 534116 | 854408  | 64.33% | 8.809%  |
| 56 | 9.024  | 2479 | 2483 | 2487 | rBV3 | 294    | 254     | 0.02%  | 0.003%  |
| 57 | 9.114  | 2508 | 2511 | 2514 | rVB2 | 245    | 187     | 0.01%  | 0.002%  |
| 58 | 9.149  | 2516 | 2522 | 2525 | rBV3 | 404    | 465     | 0.04%  | 0.005%  |
| 59 | 9.230  | 2544 | 2547 | 2554 | rBV2 | 152    | 158     | 0.01%  | 0.002%  |
| 60 | 9.371  | 2587 | 2591 | 2600 | rBV2 | 230    | 358     | 0.03%  | 0.004%  |
| 61 | 9.471  | 2618 | 2622 | 2625 | rBV2 | 220    | 167     | 0.01%  | 0.002%  |
| 62 | 9.735  | 2699 | 2704 | 2707 | rVV2 | 184    | 199     | 0.01%  | 0.002%  |
| 63 | 9.776  | 2714 | 2717 | 2724 | rVB2 | 247    | 218     | 0.02%  | 0.002%  |
| 64 | 10.127 | 2814 | 2826 | 2832 | rBV4 | 1747   | 2563    | 0.19%  | 0.026%  |
| 65 | 10.214 | 2841 | 2853 | 2873 | rBV  | 384397 | 593876  | 44.72% | 6.123%  |
| 66 | 10.355 | 2895 | 2897 | 2899 | rBV  | 292    | 177     | 0.01%  | 0.002%  |
| 67 | 10.384 | 2901 | 2906 | 2911 | rVV4 | 832    | 1113    | 0.08%  | 0.011%  |
| 68 | 10.432 | 2918 | 2921 | 2924 | rBV2 | 208    | 161     | 0.01%  | 0.002%  |
| 69 | 10.571 | 2960 | 2964 | 2968 | rBV4 | 788    | 687     | 0.05%  | 0.007%  |
| 70 | 10.638 | 2980 | 2985 | 2989 | rBV2 | 205    | 161     | 0.01%  | 0.002%  |
| 71 | 10.725 | 3007 | 3012 | 3015 | rVB  | 248    | 197     | 0.01%  | 0.002%  |
| 72 | 10.744 | 3015 | 3018 | 3022 | rBV  | 176    | 199     | 0.01%  | 0.002%  |
| 73 | 10.918 | 3060 | 3072 | 3083 | rBV6 | 1484   | 2455    | 0.18%  | 0.025%  |
| 74 | 10.960 | 3083 | 3085 | 3095 | rVV2 | 151    | 193     | 0.01%  | 0.002%  |
| 75 | 11.136 | 3136 | 3140 | 3141 | rBV  | 738    | 393     | 0.03%  | 0.004%  |
| 76 | 11.246 | 3163 | 3174 | 3195 | rBV  | 531322 | 806949  | 60.76% | 8.320%  |

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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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.429 | 3226 | 3231 | 3236 | rVB4 | 946    | 1006   | 0.08%  | 0.010% |
| 78  | 11.525 | 3255 | 3261 | 3264 | rBV2 | 221    | 241    | 0.02%  | 0.002% |
| 79  | 11.622 | 3279 | 3291 | 3312 | rBV  | 585849 | 897262 | 67.56% | 9.251% |
| 80  | 11.744 | 3324 | 3329 | 3332 | rVB3 | 406    | 368    | 0.03%  | 0.004% |
| 81  | 11.808 | 3345 | 3349 | 3353 | rBV2 | 199    | 187    | 0.01%  | 0.002% |
| 82  | 11.924 | 3382 | 3385 | 3389 | rVB2 | 264    | 194    | 0.01%  | 0.002% |
| 83  | 12.448 | 3545 | 3548 | 3551 | rBV2 | 295    | 226    | 0.02%  | 0.002% |
| 84  | 12.831 | 3664 | 3667 | 3672 | rVB2 | 200    | 183    | 0.01%  | 0.002% |
| 85  | 12.914 | 3690 | 3693 | 3697 | rVB2 | 290    | 191    | 0.01%  | 0.002% |
| 86  | 13.117 | 3752 | 3756 | 3759 | rBV2 | 211    | 175    | 0.01%  | 0.002% |
| 87  | 13.140 | 3760 | 3763 | 3766 | rVB  | 286    | 185    | 0.01%  | 0.002% |
| 88  | 13.194 | 3777 | 3780 | 3783 | rBV  | 257    | 183    | 0.01%  | 0.002% |
| 89  | 13.265 | 3799 | 3802 | 3804 | rBV  | 287    | 187    | 0.01%  | 0.002% |
| 90  | 13.316 | 3813 | 3818 | 3819 | rBV  | 265    | 221    | 0.02%  | 0.002% |
| 91  | 13.609 | 3906 | 3909 | 3910 | rBV  | 299    | 168    | 0.01%  | 0.002% |
| 92  | 13.641 | 3916 | 3919 | 3921 | rBV  | 291    | 218    | 0.02%  | 0.002% |
| 93  | 13.680 | 3929 | 3931 | 3936 | rBV2 | 236    | 174    | 0.01%  | 0.002% |
| 94  | 13.728 | 3942 | 3946 | 3949 | rBV  | 202    | 187    | 0.01%  | 0.002% |
| 95  | 14.172 | 4081 | 4084 | 4087 | rBV2 | 532    | 372    | 0.03%  | 0.004% |
| 96  | 14.294 | 4117 | 4122 | 4124 | rBV  | 463    | 417    | 0.03%  | 0.004% |
| 97  | 14.419 | 4156 | 4161 | 4166 | rBV3 | 379    | 502    | 0.04%  | 0.005% |
| 98  | 14.622 | 4221 | 4224 | 4226 | rBV  | 246    | 155    | 0.01%  | 0.002% |
| 99  | 16.120 | 4687 | 4690 | 4693 | rBV  | 679    | 565    | 0.04%  | 0.006% |
| 100 | 16.149 | 4697 | 4699 | 4702 | rBV2 | 487    | 285    | 0.02%  | 0.003% |

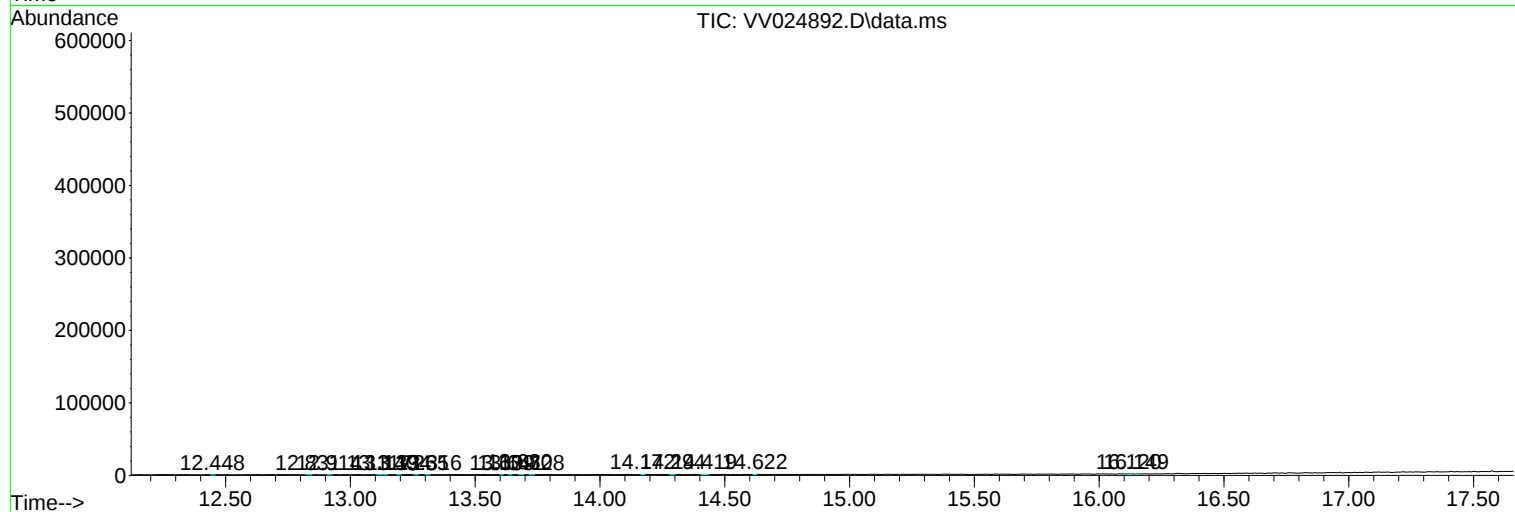
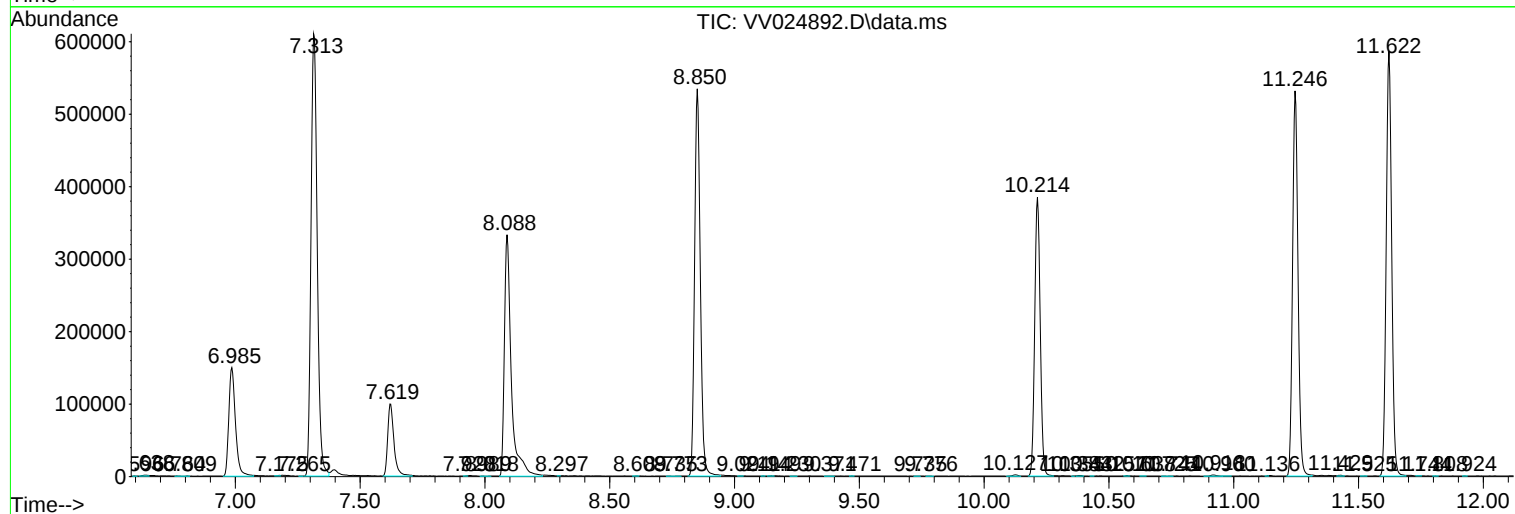
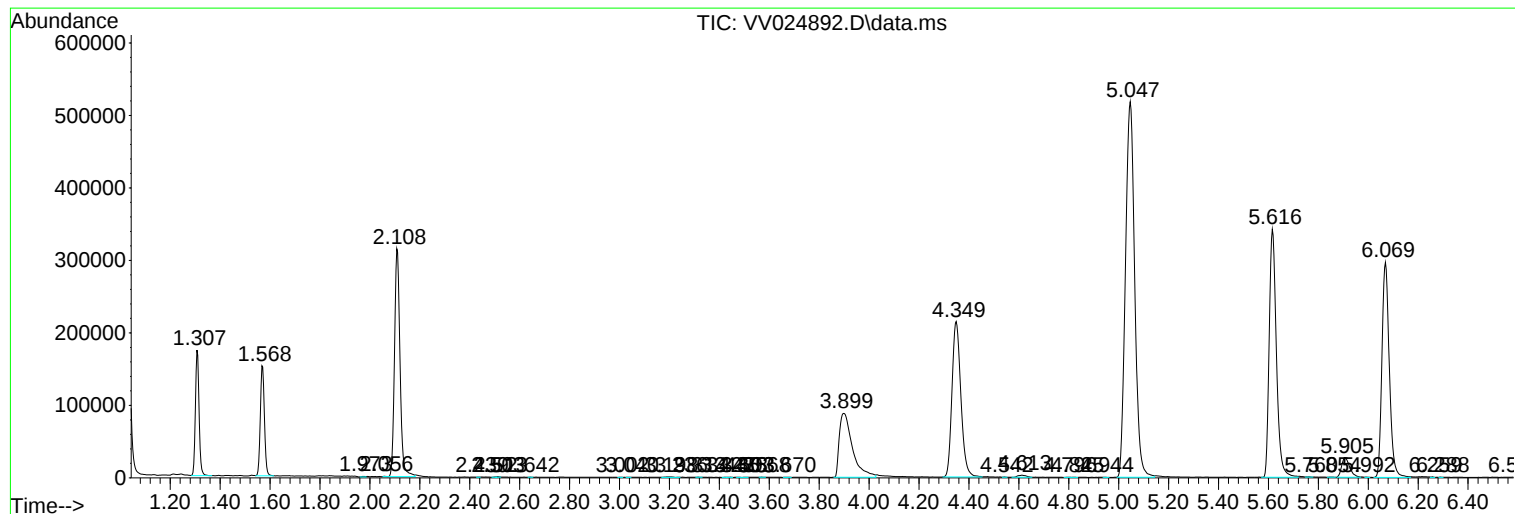
Sum of corrected areas: 9698775

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
Quant Title : VOC Analysis

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



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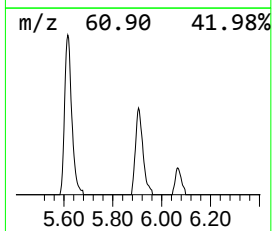
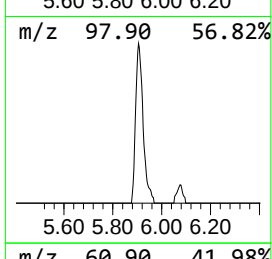
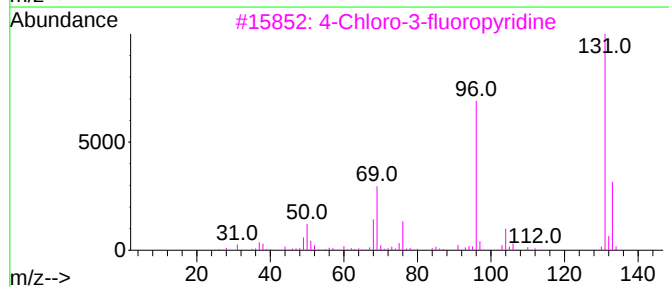
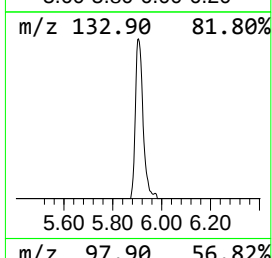
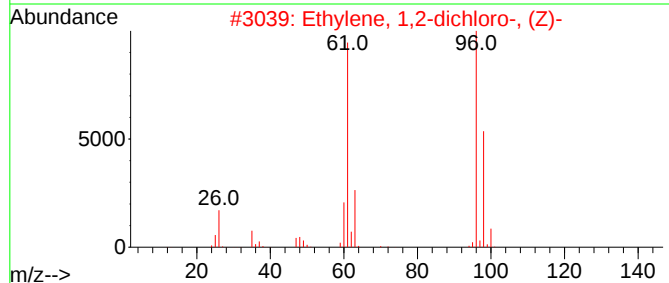
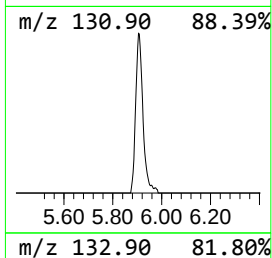
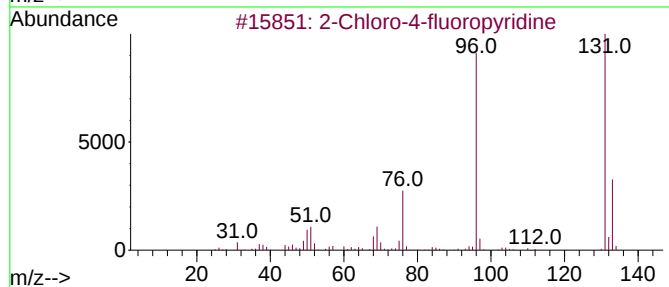
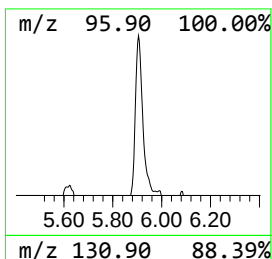
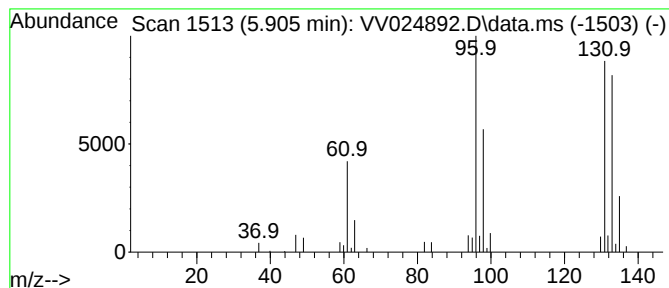
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.905 | 4.33 ug/L | 59306 | 1,4-Difluorobenzene | 5.616 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2-Chloro-4-fluoropyridine           | 131 | C5H3ClFN  | 1000484-44-8 | 43   |
| 2    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 35   |
| 3    |    |   | 4-Chloro-3-fluoropyridine           | 131 | C5H3ClFN  | 002546-56-7  | 27   |
| 4    |    |   | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0  | 25   |
| 5    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 25   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 5.905 | 4.3     | ug/L  | 59306    | 1                     | 5.616 | 684578 | 50.0 |