

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV030222\  
 Data File : VV024855.D  
 Acq On : 02 Mar 2022 14:57  
 Operator : SY/MD  
 Sample : VV0302SBL02  
 Misc : 5.00g/10mL/MSVOA\_V/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK202

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\SFAMVLM030222SMA.M  
 Title : VOC Analysis

Signal : TIC: VV024855.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       | 75            | 82          | 96           | rVB      | 228450         | 230131        | 18.08%          | 2.594%        |
| 2         | 1.564       | 155           | 163         | 181          | rVB      | 166519         | 189678        | 14.90%          | 2.138%        |
| 3         | 2.024       | 304           | 306         | 308          | rBV2     | 485            | 246           | 0.02%           | 0.003%        |
| 4         | 2.105       | 320           | 331         | 354          | rBV      | 343737         | 496571        | 39.01%          | 5.597%        |
| 5         | 2.291       | 382           | 389         | 398          | rVB      | 1075           | 1702          | 0.13%           | 0.019%        |
| 6         | 2.343       | 401           | 405         | 408          | rBV3     | 251            | 189           | 0.01%           | 0.002%        |
| 7         | 2.397       | 419           | 422         | 426          | rBV2     | 279            | 209           | 0.02%           | 0.002%        |
| 8         | 2.445       | 433           | 437         | 440          | rBV3     | 263            | 257           | 0.02%           | 0.003%        |
| 9         | 2.506       | 448           | 456         | 467          | rVB2     | 7221           | 11674         | 0.92%           | 0.132%        |
| 10        | 2.654       | 498           | 502         | 507          | rBV2     | 213            | 200           | 0.02%           | 0.002%        |
| 11        | 2.786       | 540           | 543         | 547          | rVB2     | 219            | 173           | 0.01%           | 0.002%        |
| 12        | 2.844       | 556           | 561         | 565          | rBV      | 219            | 217           | 0.02%           | 0.002%        |
| 13        | 3.040       | 613           | 622         | 625          | rBV6     | 2328           | 3386          | 0.27%           | 0.038%        |
| 14        | 3.101       | 637           | 641         | 644          | rBV2     | 231            | 168           | 0.01%           | 0.002%        |
| 15        | 3.381       | 722           | 728         | 733          | rVB2     | 147            | 197           | 0.02%           | 0.002%        |
| 16        | 3.497       | 757           | 764         | 767          | rBV2     | 157            | 190           | 0.01%           | 0.002%        |
| 17        | 3.905       | 881           | 891         | 924          | rBV      | 30484          | 115545        | 9.08%           | 1.302%        |
| 18        | 4.346       | 1011          | 1028        | 1058         | rBV      | 201256         | 503563        | 39.56%          | 5.675%        |
| 19        | 4.561       | 1093          | 1095        | 1098         | rBV2     | 266            | 185           | 0.01%           | 0.002%        |
| 20        | 4.635       | 1114          | 1118        | 1121         | rVB2     | 279            | 198           | 0.02%           | 0.002%        |
| 21        | 4.950       | 1211          | 1216        | 1219         | rBV      | 206            | 211           | 0.02%           | 0.002%        |
| 22        | 5.043       | 1228          | 1245        | 1277         | rBV2     | 507301         | 1272918       | 100.00%         | 14.346%       |
| 23        | 5.346       | 1336          | 1339        | 1342         | rBV2     | 243            | 204           | 0.02%           | 0.002%        |
| 24        | 5.612       | 1408          | 1422        | 1452         | rBV      | 333951         | 669794        | 52.62%          | 7.549%        |
| 25        | 5.905       | 1503          | 1513        | 1538         | rVB2     | 20405          | 43351         | 3.41%           | 0.489%        |
| 26        | 6.018       | 1545          | 1548        | 1550         | rBV2     | 281            | 180           | 0.01%           | 0.002%        |
| 27        | 6.066       | 1550          | 1563        | 1592         | rBV      | 275311         | 560376        | 44.02%          | 6.316%        |
| 28        | 6.214       | 1605          | 1609        | 1610         | rBV2     | 574            | 390           | 0.03%           | 0.004%        |
| 29        | 6.252       | 1617          | 1621        | 1627         | rVB3     | 311            | 296           | 0.02%           | 0.003%        |
| 30        | 6.535       | 1704          | 1709        | 1712         | rBV2     | 214            | 203           | 0.02%           | 0.002%        |
| 31        | 6.583       | 1719          | 1724        | 1732         | rVB2     | 239            | 271           | 0.02%           | 0.003%        |
| 32        | 6.693       | 1753          | 1758        | 1761         | rVB2     | 216            | 178           | 0.01%           | 0.002%        |
| 33        | 6.982       | 1838          | 1848        | 1875         | rBV      | 151713         | 278319        | 21.86%          | 3.137%        |
| 34        | 7.182       | 1906          | 1910        | 1912         | rBV2     | 330            | 254           | 0.02%           | 0.003%        |
| 35        | 7.255       | 1926          | 1933        | 1935         | rBV      | 255            | 226           | 0.02%           | 0.003%        |
| 36        | 7.313       | 1939          | 1951        | 1970         | rBV      | 647504         | 1095779       | 86.08%          | 12.350%       |

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Integrator: RTE

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Filtering: 5

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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\SFAMVLM030222SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.619  | 2035 | 2046 | 2082 | rBV  | 94329  | 166372 | 13.07% | 1.875% |
| 38 | 7.940  | 2132 | 2146 | 2156 | rBV4 | 2236   | 4168   | 0.33%  | 0.047% |
| 39 | 7.982  | 2156 | 2159 | 2163 | rBV3 | 235    | 169    | 0.01%  | 0.002% |
| 40 | 8.091  | 2182 | 2193 | 2237 | rBV  | 139762 | 289411 | 22.74% | 3.262% |
| 41 | 8.429  | 2295 | 2298 | 2299 | rBV  | 387    | 193    | 0.02%  | 0.002% |
| 42 | 8.616  | 2350 | 2356 | 2360 | rBV2 | 499    | 630    | 0.05%  | 0.007% |
| 43 | 8.773  | 2400 | 2405 | 2413 | rBV2 | 259    | 367    | 0.03%  | 0.004% |
| 44 | 8.850  | 2417 | 2429 | 2455 | rBV  | 494688 | 801839 | 62.99% | 9.037% |
| 45 | 9.117  | 2506 | 2512 | 2514 | rVB4 | 463    | 386    | 0.03%  | 0.004% |
| 46 | 9.149  | 2514 | 2522 | 2531 | rBV3 | 902    | 1679   | 0.13%  | 0.019% |
| 47 | 9.554  | 2641 | 2648 | 2655 | rBV4 | 378    | 407    | 0.03%  | 0.005% |
| 48 | 9.680  | 2682 | 2687 | 2694 | rVB4 | 637    | 581    | 0.05%  | 0.007% |
| 49 | 9.789  | 2716 | 2721 | 2725 | rVB2 | 220    | 223    | 0.02%  | 0.003% |
| 50 | 9.821  | 2725 | 2731 | 2736 | rBV  | 214    | 358    | 0.03%  | 0.004% |
| 51 | 9.876  | 2741 | 2748 | 2751 | rBV  | 265    | 313    | 0.02%  | 0.004% |
| 52 | 9.934  | 2759 | 2766 | 2778 | rBV3 | 377    | 687    | 0.05%  | 0.008% |
| 53 | 10.021 | 2789 | 2793 | 2800 | rVB3 | 207    | 220    | 0.02%  | 0.002% |
| 54 | 10.124 | 2816 | 2825 | 2835 | rVB2 | 9631   | 15014  | 1.18%  | 0.169% |
| 55 | 10.214 | 2842 | 2853 | 2872 | rBV  | 237373 | 372727 | 29.28% | 4.201% |
| 56 | 10.458 | 2926 | 2929 | 2933 | rBV2 | 384    | 338    | 0.03%  | 0.004% |
| 57 | 10.567 | 2948 | 2963 | 2964 | rBV4 | 2299   | 2813   | 0.22%  | 0.032% |
| 58 | 10.657 | 2984 | 2991 | 2999 | rVB5 | 1158   | 1624   | 0.13%  | 0.018% |
| 59 | 10.744 | 3014 | 3018 | 3021 | rBV2 | 260    | 210    | 0.02%  | 0.002% |
| 60 | 10.776 | 3025 | 3028 | 3033 | rVV3 | 295    | 297    | 0.02%  | 0.003% |
| 61 | 10.882 | 3054 | 3061 | 3063 | rBV5 | 640    | 805    | 0.06%  | 0.009% |
| 62 | 10.915 | 3063 | 3071 | 3082 | rVB3 | 7680   | 11547  | 0.91%  | 0.130% |
| 63 | 11.030 | 3097 | 3107 | 3116 | rBV4 | 1774   | 2720   | 0.21%  | 0.031% |
| 64 | 11.146 | 3133 | 3143 | 3151 | rBV2 | 5063   | 7765   | 0.61%  | 0.088% |
| 65 | 11.178 | 3151 | 3153 | 3155 | rBV  | 386    | 215    | 0.02%  | 0.002% |
| 66 | 11.246 | 3163 | 3174 | 3192 | rBV  | 507925 | 784461 | 61.63% | 8.841% |
| 67 | 11.387 | 3210 | 3218 | 3224 | rBV2 | 3995   | 5952   | 0.47%  | 0.067% |
| 68 | 11.429 | 3224 | 3231 | 3240 | rVB2 | 5820   | 9148   | 0.72%  | 0.103% |
| 69 | 11.567 | 3271 | 3274 | 3276 | rBV2 | 453    | 311    | 0.02%  | 0.004% |
| 70 | 11.622 | 3279 | 3291 | 3315 | rBV  | 570671 | 882035 | 69.29% | 9.941% |
| 71 | 11.718 | 3317 | 3321 | 3324 | rBV5 | 819    | 795    | 0.06%  | 0.009% |
| 72 | 11.786 | 3335 | 3342 | 3351 | rVB5 | 3175   | 4609   | 0.36%  | 0.052% |
| 73 | 11.844 | 3351 | 3360 | 3361 | rBV3 | 1319   | 1464   | 0.12%  | 0.016% |
| 74 | 12.043 | 3418 | 3422 | 3426 | rBV4 | 637    | 598    | 0.05%  | 0.007% |
| 75 | 12.091 | 3432 | 3437 | 3447 | rVB3 | 1169   | 1578   | 0.12%  | 0.018% |
| 76 | 12.252 | 3477 | 3487 | 3497 | rBV2 | 2262   | 3778   | 0.30%  | 0.043% |

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Integration Parameters: LSCINT.P

Integrator: RTE

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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\SFAMVLM030222SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 12.349 | 3509 | 3517 | 3522 | rBV3 | 972  | 1334 | 0.10% | 0.015% |
| 78  | 12.513 | 3565 | 3568 | 3571 | rBV  | 216  | 171  | 0.01% | 0.002% |
| 79  | 12.532 | 3571 | 3574 | 3581 | rVB  | 272  | 264  | 0.02% | 0.003% |
| 80  | 12.593 | 3586 | 3593 | 3595 | rBV3 | 1035 | 837  | 0.07% | 0.009% |
|     |        |      |      |      |      |      |      |       |        |
| 81  | 12.651 | 3606 | 3611 | 3621 | rVB4 | 726  | 1026 | 0.08% | 0.012% |
| 82  | 12.699 | 3622 | 3626 | 3630 | rBV2 | 221  | 265  | 0.02% | 0.003% |
| 83  | 12.963 | 3705 | 3708 | 3712 | rBV2 | 233  | 172  | 0.01% | 0.002% |
| 84  | 13.188 | 3774 | 3778 | 3781 | rBV2 | 219  | 207  | 0.02% | 0.002% |
| 85  | 13.252 | 3796 | 3798 | 3800 | rBV2 | 454  | 248  | 0.02% | 0.003% |
|     |        |      |      |      |      |      |      |       |        |
| 86  | 13.268 | 3801 | 3803 | 3806 | rVB3 | 722  | 387  | 0.03% | 0.004% |
| 87  | 13.509 | 3869 | 3878 | 3887 | rBV3 | 1663 | 2610 | 0.21% | 0.029% |
| 88  | 13.747 | 3946 | 3952 | 3956 | rBV4 | 788  | 831  | 0.07% | 0.009% |
| 89  | 13.792 | 3960 | 3966 | 3968 | rBV2 | 278  | 301  | 0.02% | 0.003% |
| 90  | 14.043 | 4034 | 4044 | 4051 | rBV2 | 1512 | 2602 | 0.20% | 0.029% |
|     |        |      |      |      |      |      |      |       |        |
| 91  | 14.175 | 4082 | 4085 | 4091 | rBV2 | 521  | 513  | 0.04% | 0.006% |
| 92  | 14.342 | 4132 | 4137 | 4139 | rBV3 | 553  | 464  | 0.04% | 0.005% |
| 93  | 14.538 | 4193 | 4198 | 4202 | rBV3 | 373  | 501  | 0.04% | 0.006% |
| 94  | 14.680 | 4239 | 4242 | 4245 | rBV2 | 363  | 253  | 0.02% | 0.003% |
| 95  | 15.014 | 4344 | 4346 | 4352 | rBV2 | 289  | 365  | 0.03% | 0.004% |
|     |        |      |      |      |      |      |      |       |        |
| 96  | 15.445 | 4476 | 4480 | 4483 | rBV3 | 417  | 355  | 0.03% | 0.004% |
| 97  | 15.503 | 4494 | 4498 | 4505 | rBV6 | 884  | 973  | 0.08% | 0.011% |
| 98  | 15.754 | 4574 | 4576 | 4581 | rBV3 | 442  | 369  | 0.03% | 0.004% |
| 99  | 15.946 | 4634 | 4636 | 4641 | rBV4 | 519  | 408  | 0.03% | 0.005% |
| 100 | 16.127 | 4688 | 4692 | 4693 | rBV3 | 1078 | 849  | 0.07% | 0.010% |

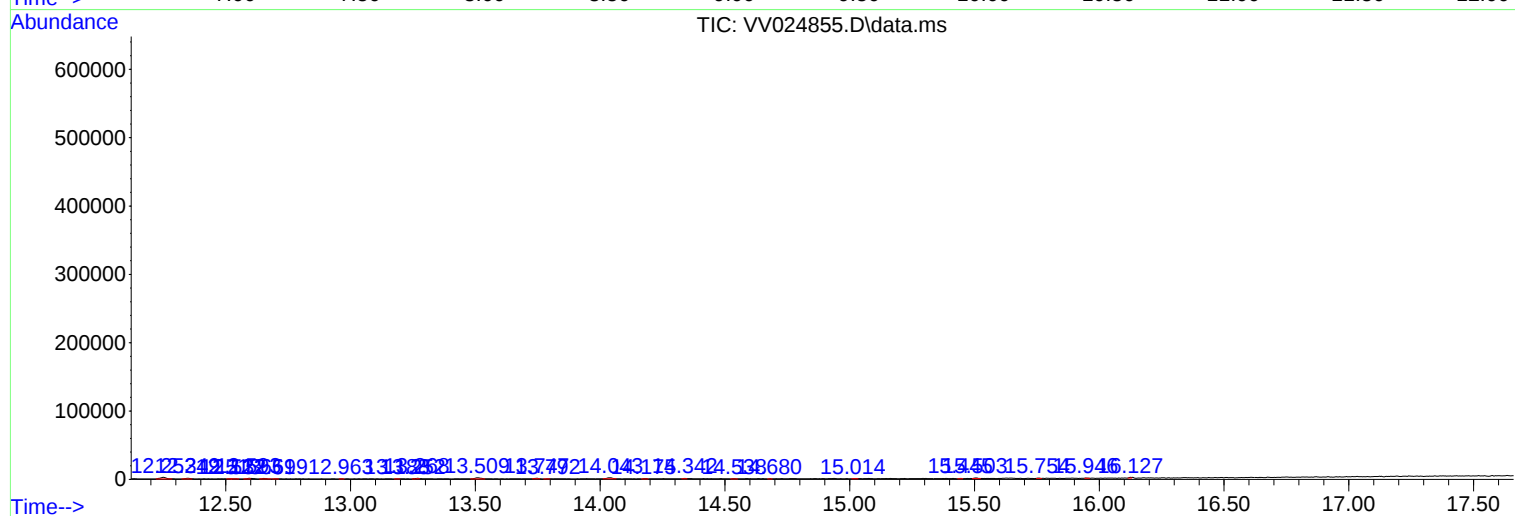
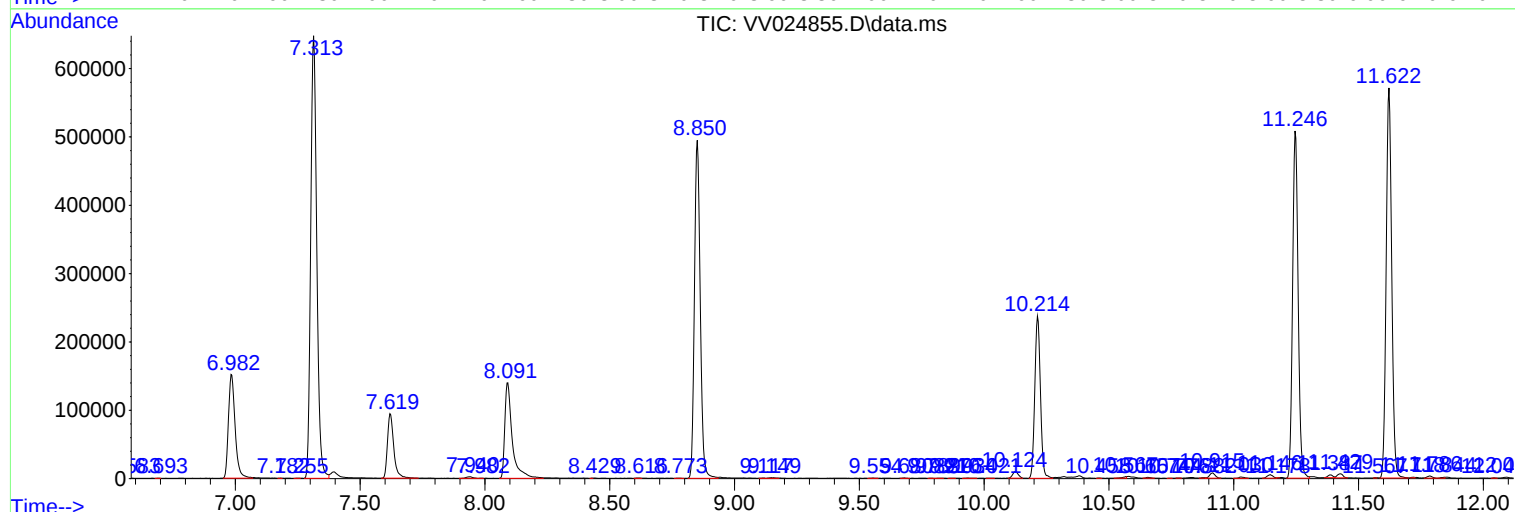
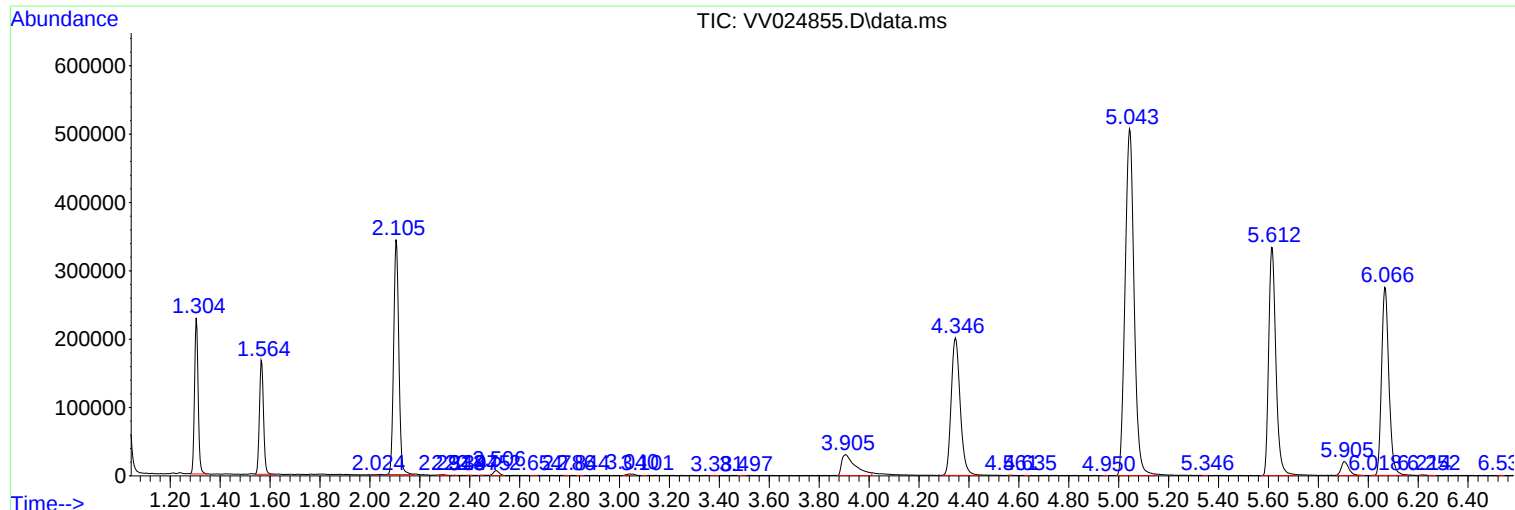
Sum of corrected areas: 8872741

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM030222SMA.M  
Quant Title : VOC Analysis

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



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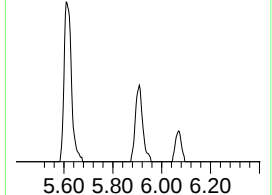
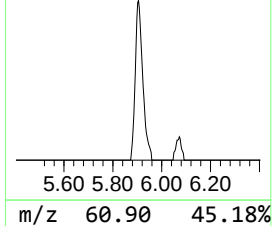
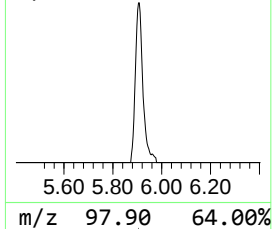
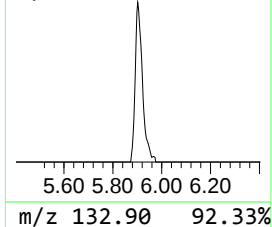
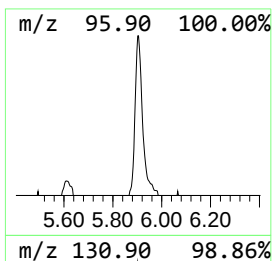
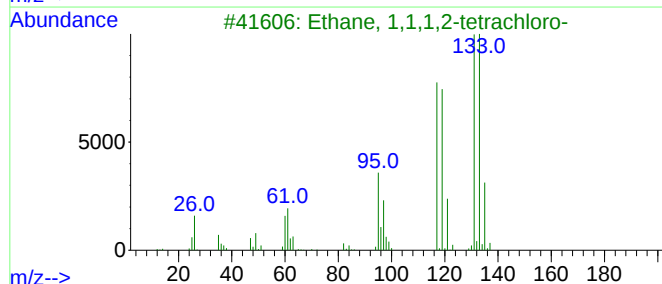
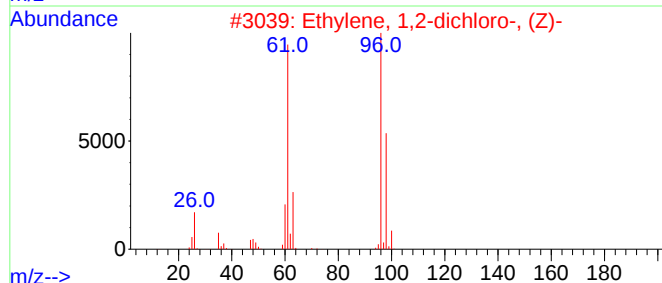
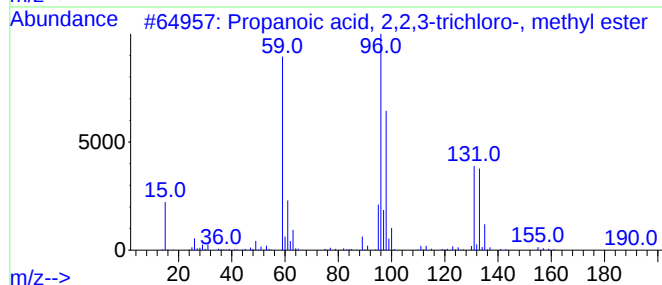
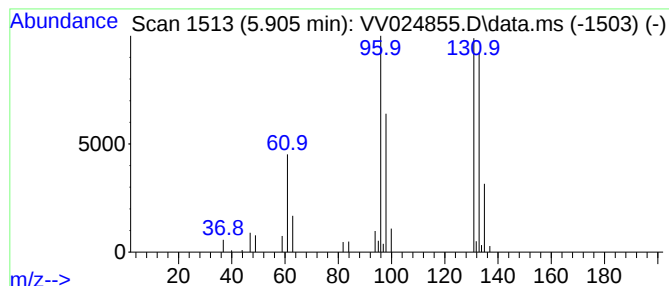
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM030222SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.905 | 1.62 ug/L | 43351 | 1,4-Difluorobenzene | 5.612 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 56   |
| 2    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 38   |
| 3    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 37   |
| 4    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 37   |
| 5    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 37   |



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

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propanoic acid,... | 5.905 | 1.6     | ug/L  | 43351    | 1                     | 5.612 | 669794 | 25.0 |