

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081820\  
 Data File : VV018048.D  
 Acq On : 18 Aug 2020 12:45  
 Operator : SY/MD  
 Sample : L3702-18ME  
 Misc : 6.57g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWQ3ME

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Title : VOC Analysis

Signal : TIC

| 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         | 1.312       | 62            | 69          | 87           | rBV      | 223810         | 256830        | 12.84%          | 1.767%        |
| 2         | 1.576       | 143           | 151         | 166          | rBV      | 177007         | 240609        | 12.03%          | 1.655%        |
| 3         | 2.103       | 304           | 315         | 326          | rBV      | 465078         | 668972        | 33.45%          | 4.603%        |
| 4         | 2.409       | 407           | 410         | 412          | rBV2     | 168            | 118           | 0.01%           | 0.001%        |
| 5         | 2.515       | 433           | 443         | 459          | rVB3     | 4450           | 7813          | 0.39%           | 0.054%        |
| 6         | 2.631       | 466           | 479         | 498          | rBV      | 6415           | 13955         | 0.70%           | 0.096%        |
| 7         | 2.756       | 516           | 518         | 521          | rVB2     | 295            | 166           | 0.01%           | 0.001%        |
| 8         | 2.865       | 547           | 552         | 557          | rBV2     | 265            | 371           | 0.02%           | 0.003%        |
| 9         | 2.981       | 585           | 588         | 592          | rVV2     | 148            | 123           | 0.01%           | 0.001%        |
| 10        | 3.052       | 604           | 610         | 616          | rVB3     | 598            | 738           | 0.04%           | 0.005%        |
| 11        | 3.158       | 639           | 643         | 647          | rVV2     | 127            | 122           | 0.01%           | 0.001%        |
| 12        | 3.184       | 648           | 651         | 656          | rVB2     | 142            | 119           | 0.01%           | 0.001%        |
| 13        | 3.264       | 674           | 676         | 684          | rVB2     | 95             | 114           | 0.01%           | 0.001%        |
| 14        | 3.396       | 711           | 717         | 720          | rBV      | 168            | 185           | 0.01%           | 0.001%        |
| 15        | 3.743       | 823           | 825         | 833          | rVB2     | 131            | 152           | 0.01%           | 0.001%        |
| 16        | 3.920       | 869           | 880         | 932          | rBV      | 79069          | 340997        | 17.05%          | 2.346%        |
| 17        | 4.373       | 1004          | 1021        | 1067         | rVB      | 303445         | 780281        | 39.01%          | 5.369%        |
| 18        | 4.563       | 1077          | 1080        | 1083         | rVB2     | 151            | 121           | 0.01%           | 0.001%        |
| 19        | 4.621       | 1096          | 1098        | 1102         | rVB3     | 384            | 247           | 0.01%           | 0.002%        |
| 20        | 4.650       | 1102          | 1107        | 1115         | rBV3     | 310            | 493           | 0.02%           | 0.003%        |
| 21        | 4.685       | 1115          | 1118        | 1121         | rBV2     | 245            | 184           | 0.01%           | 0.001%        |
| 22        | 4.759       | 1138          | 1141        | 1143         | rBV2     | 214            | 133           | 0.01%           | 0.001%        |
| 23        | 4.814       | 1153          | 1158        | 1162         | rBV      | 154            | 116           | 0.01%           | 0.001%        |
| 24        | 4.936       | 1194          | 1196        | 1200         | rVB      | 151            | 117           | 0.01%           | 0.001%        |
| 25        | 5.068       | 1217          | 1237        | 1272         | rBV2     | 803593         | 2000122       | 100.00%         | 13.762%       |
| 26        | 5.360       | 1321          | 1328        | 1342         | rBV3     | 1604           | 3511          | 0.18%           | 0.024%        |
| 27        | 5.421       | 1344          | 1347        | 1350         | rBV      | 329            | 269           | 0.01%           | 0.002%        |
| 28        | 5.502       | 1365          | 1372        | 1377         | rBV3     | 283            | 382           | 0.02%           | 0.003%        |
| 29        | 5.524       | 1377          | 1379        | 1386         | rVB2     | 295            | 193           | 0.01%           | 0.001%        |
| 30        | 5.572       | 1389          | 1394        | 1397         | rBV2     | 123            | 127           | 0.01%           | 0.001%        |
| 31        | 5.637       | 1401          | 1414        | 1445         | rBV      | 413854         | 862168        | 43.11%          | 5.932%        |
| 32        | 5.839       | 1474          | 1477        | 1485         | rVB2     | 219            | 224           | 0.01%           | 0.002%        |
| 33        | 5.872       | 1485          | 1487        | 1493         | rBV3     | 134            | 117           | 0.01%           | 0.001%        |
| 34        | 5.926       | 1493          | 1504        | 1524         | rBV      | 29593          | 63423         | 3.17%           | 0.436%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 6.019  | 1524 | 1533 | 1541 | rBV5 | 1353   | 2346    | 0.12%  | 0.016%  |
| 36 | 6.093  | 1541 | 1556 | 1592 | rBV  | 432655 | 906857  | 45.34% | 6.239%  |
| 37 | 6.222  | 1593 | 1596 | 1597 | rBV3 | 484    | 257     | 0.01%  | 0.002%  |
| 38 | 6.273  | 1610 | 1612 | 1616 | rVB4 | 298    | 183     | 0.01%  | 0.001%  |
| 39 | 6.630  | 1717 | 1723 | 1725 | rBV2 | 133    | 127     | 0.01%  | 0.001%  |
| 40 | 6.662  | 1725 | 1733 | 1740 | rVV5 | 810    | 1207    | 0.06%  | 0.008%  |
| 41 | 6.785  | 1768 | 1771 | 1774 | rBV2 | 174    | 151     | 0.01%  | 0.001%  |
| 42 | 7.007  | 1828 | 1840 | 1871 | rBV  | 234948 | 458718  | 22.93% | 3.156%  |
| 43 | 7.170  | 1888 | 1891 | 1894 | rVB  | 246    | 181     | 0.01%  | 0.001%  |
| 44 | 7.190  | 1894 | 1897 | 1898 | rBV2 | 414    | 239     | 0.01%  | 0.002%  |
| 45 | 7.338  | 1929 | 1943 | 1970 | rBV  | 909597 | 1624334 | 81.21% | 11.176% |
| 46 | 7.579  | 2015 | 2018 | 2021 | rVB2 | 190    | 142     | 0.01%  | 0.001%  |
| 47 | 7.605  | 2021 | 2026 | 2027 | rBV  | 234    | 186     | 0.01%  | 0.001%  |
| 48 | 7.643  | 2027 | 2038 | 2074 | rVV  | 158736 | 318931  | 15.95% | 2.194%  |
| 49 | 7.900  | 2115 | 2118 | 2123 | rBV  | 234    | 202     | 0.01%  | 0.001%  |
| 50 | 7.994  | 2135 | 2147 | 2175 | rBV  | 494449 | 847893  | 42.39% | 5.834%  |
| 51 | 8.142  | 2175 | 2193 | 2229 | rBV2 | 209871 | 691032  | 34.55% | 4.755%  |
| 52 | 8.312  | 2244 | 2246 | 2252 | rVB6 | 538    | 534     | 0.03%  | 0.004%  |
| 53 | 8.344  | 2253 | 2256 | 2257 | rBV2 | 296    | 141     | 0.01%  | 0.001%  |
| 54 | 8.412  | 2271 | 2277 | 2281 | rBV2 | 297    | 252     | 0.01%  | 0.002%  |
| 55 | 8.463  | 2281 | 2293 | 2300 | rBV5 | 1268   | 1984    | 0.10%  | 0.014%  |
| 56 | 8.875  | 2408 | 2421 | 2448 | rBV  | 605755 | 1097365 | 54.86% | 7.550%  |
| 57 | 9.145  | 2503 | 2505 | 2510 | rVB  | 198    | 117     | 0.01%  | 0.001%  |
| 58 | 9.193  | 2517 | 2520 | 2524 | rVV  | 194    | 154     | 0.01%  | 0.001%  |
| 59 | 9.277  | 2544 | 2546 | 2553 | rVB2 | 142    | 147     | 0.01%  | 0.001%  |
| 60 | 9.312  | 2554 | 2557 | 2562 | rVB  | 177    | 132     | 0.01%  | 0.001%  |
| 61 | 9.408  | 2583 | 2587 | 2592 | rVV2 | 265    | 191     | 0.01%  | 0.001%  |
| 62 | 9.534  | 2618 | 2626 | 2627 | rBV  | 234    | 215     | 0.01%  | 0.001%  |
| 63 | 9.971  | 2759 | 2762 | 2768 | rVB  | 240    | 217     | 0.01%  | 0.001%  |
| 64 | 10.000 | 2768 | 2771 | 2773 | rBV2 | 156    | 118     | 0.01%  | 0.001%  |
| 65 | 10.244 | 2834 | 2847 | 2866 | rBV  | 474780 | 822275  | 41.11% | 5.658%  |
| 66 | 10.405 | 2893 | 2897 | 2902 | rBV3 | 314    | 359     | 0.02%  | 0.002%  |
| 67 | 10.604 | 2952 | 2959 | 2962 | rBV3 | 686    | 718     | 0.04%  | 0.005%  |
| 68 | 10.640 | 2966 | 2970 | 2975 | rVV2 | 137    | 143     | 0.01%  | 0.001%  |
| 69 | 10.794 | 3013 | 3018 | 3020 | rBV2 | 205    | 168     | 0.01%  | 0.001%  |
| 70 | 10.897 | 3047 | 3050 | 3054 | rBV2 | 196    | 184     | 0.01%  | 0.001%  |
| 71 | 10.926 | 3055 | 3059 | 3061 | rVV2 | 172    | 146     | 0.01%  | 0.001%  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWQ3ME

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 10.987 | 3075 | 3078 | 3083 | rBV2 | 180    | 170     | 0.01%  | 0.001%  |
| 73  | 11.039 | 3091 | 3094 | 3100 | rVB2 | 219    | 170     | 0.01%  | 0.001%  |
| 74  | 11.135 | 3121 | 3124 | 3128 | rVB2 | 195    | 140     | 0.01%  | 0.001%  |
| 75  | 11.276 | 3156 | 3168 | 3189 | rBV  | 663140 | 1027981 | 51.40% | 7.073%  |
| 76  | 11.537 | 3244 | 3249 | 3252 | rBV  | 197    | 155     | 0.01%  | 0.001%  |
| 77  | 11.579 | 3259 | 3262 | 3266 | rVB  | 254    | 167     | 0.01%  | 0.001%  |
| 78  | 11.649 | 3271 | 3284 | 3307 | rBV  | 938609 | 1478166 | 73.90% | 10.170% |
| 79  | 11.833 | 3338 | 3341 | 3344 | rBV3 | 212    | 151     | 0.01%  | 0.001%  |
| 80  | 11.891 | 3357 | 3359 | 3362 | rVV2 | 219    | 122     | 0.01%  | 0.001%  |
| 81  | 11.913 | 3363 | 3366 | 3373 | rVB3 | 262    | 275     | 0.01%  | 0.002%  |
| 82  | 12.000 | 3391 | 3393 | 3397 | rVB3 | 215    | 136     | 0.01%  | 0.001%  |
| 83  | 12.035 | 3402 | 3404 | 3409 | rVB3 | 253    | 197     | 0.01%  | 0.001%  |
| 84  | 12.270 | 3473 | 3477 | 3480 | rBV3 | 218    | 257     | 0.01%  | 0.002%  |
| 85  | 12.601 | 3575 | 3580 | 3582 | rBV2 | 209    | 208     | 0.01%  | 0.001%  |
| 86  | 12.884 | 3665 | 3668 | 3671 | rVB  | 259    | 133     | 0.01%  | 0.001%  |
| 87  | 12.903 | 3671 | 3674 | 3677 | rBV  | 179    | 152     | 0.01%  | 0.001%  |
| 88  | 13.009 | 3702 | 3707 | 3711 | rBV2 | 255    | 287     | 0.01%  | 0.002%  |
| 89  | 13.042 | 3714 | 3717 | 3724 | rVV2 | 322    | 374     | 0.02%  | 0.003%  |
| 90  | 13.444 | 3840 | 3842 | 3850 | rVB2 | 275    | 157     | 0.01%  | 0.001%  |
| 91  | 13.694 | 3917 | 3920 | 3924 | rBV  | 148    | 129     | 0.01%  | 0.001%  |
| 92  | 13.772 | 3941 | 3944 | 3947 | rBV  | 157    | 131     | 0.01%  | 0.001%  |
| 93  | 13.791 | 3948 | 3950 | 3953 | rVB2 | 291    | 151     | 0.01%  | 0.001%  |
| 94  | 13.919 | 3988 | 3990 | 3994 | rBV  | 189    | 157     | 0.01%  | 0.001%  |
| 95  | 13.993 | 4010 | 4013 | 4015 | rBV2 | 262    | 142     | 0.01%  | 0.001%  |
| 96  | 14.058 | 4028 | 4033 | 4037 | rBV3 | 404    | 464     | 0.02%  | 0.003%  |
| 97  | 14.116 | 4047 | 4051 | 4057 | rBV3 | 269    | 376     | 0.02%  | 0.003%  |
| 98  | 14.273 | 4098 | 4100 | 4103 | rVB3 | 267    | 152     | 0.01%  | 0.001%  |
| 99  | 14.341 | 4114 | 4121 | 4123 | rBV2 | 239    | 329     | 0.02%  | 0.002%  |
| 100 | 15.968 | 4624 | 4627 | 4632 | rVB3 | 767    | 571     | 0.03%  | 0.004%  |

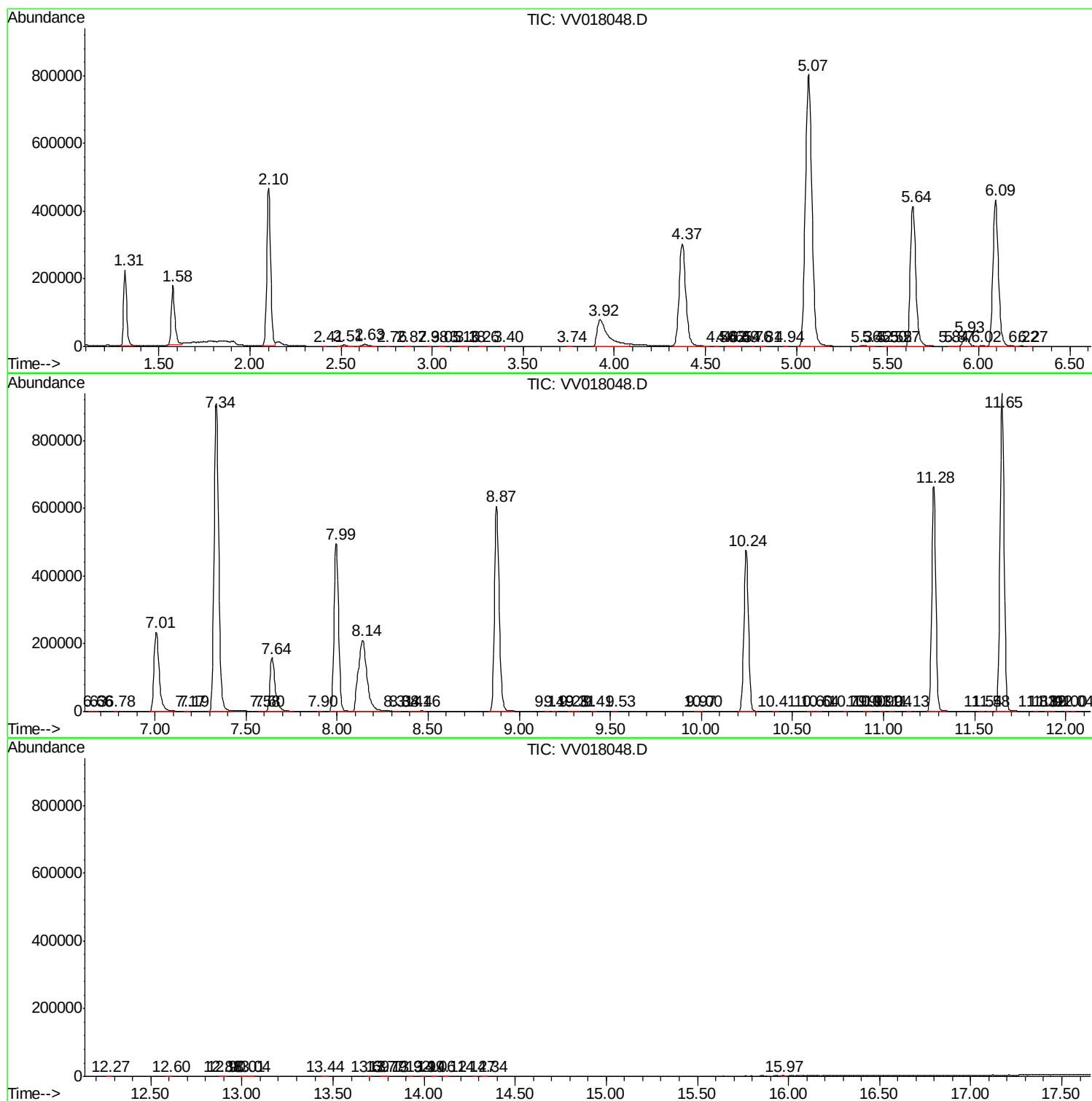
Sum of corrected areas: 14534158

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Instrument :  
MSVOA\_V  
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BFWQ3ME

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081820\  
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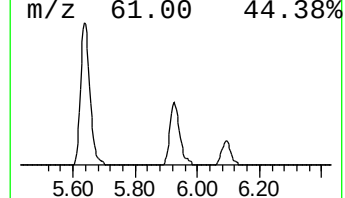
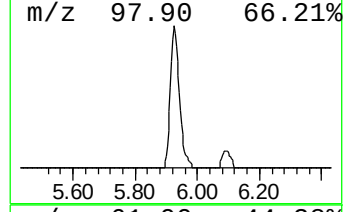
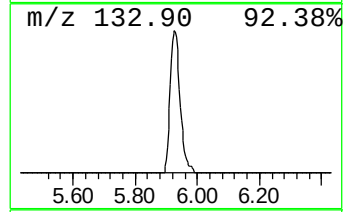
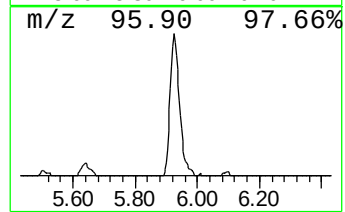
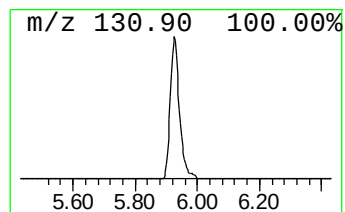
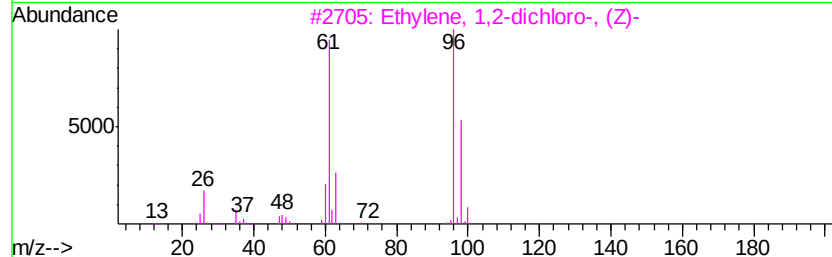
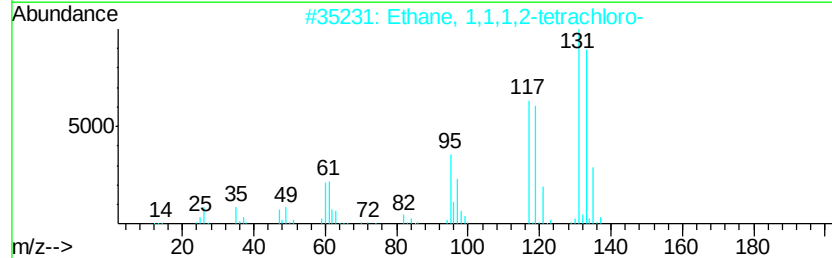
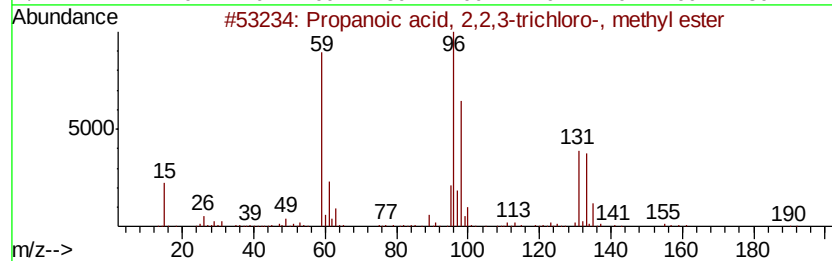
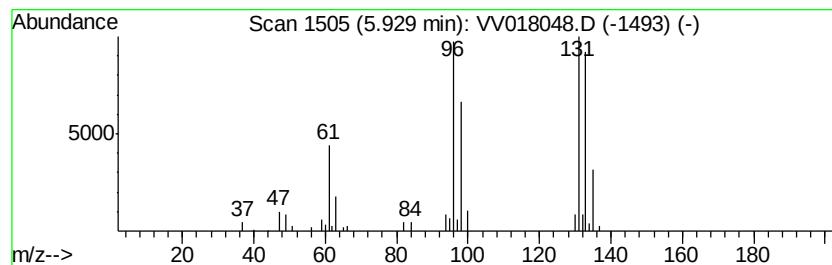
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.      | EstConc                             | Area  | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|-------|---------------------|-------------|------|
| 5.93      | 3.68 ug/L                           | 63423 | 1,4-Difluorobenzene | 5.64        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm             | CAS#        | Qual |
| 1         | Propanoic acid, 2,2,3-trichloro-... | 190   | C4H5Cl3O2           | 004749-35-3 | 56   |
| 2         | Ethane, 1,1,1,2-tetrachloro-        | 166   | C2H2Cl4             | 000630-20-6 | 38   |
| 3         | Ethylene, 1,2-dichloro-, (Z)-       | 96    | C2H2Cl2             | 000156-59-2 | 38   |
| 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 Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propanoic acid, 2... | 5.93 | 3.7     | ug/L  | 63423    | 1                     | 5.64 | 862168 | 50.0 |