

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\  
 Data File : VV019754.D  
 Acq On : 19 Dec 2020 23:12  
 Operator : SY/MD  
 Sample : L5131-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4H06

## 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\SOMVLM121020WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.309    | 61         | 68       | 80        | rVB   | 393725      | 383908     | 14.05%       | 1.827%     |
| 2      | 1.569    | 142        | 149      | 161       | rBV   | 313511      | 351978     | 12.88%       | 1.675%     |
| 3      | 2.110    | 308        | 317      | 360       | rVB   | 639245      | 1023124    | 37.44%       | 4.869%     |
| 4      | 2.852    | 545        | 548      | 549       | rBV2  | 529         | 312        | 0.01%        | 0.001%     |
| 5      | 2.952    | 575        | 579      | 580       | rBV3  | 698         | 409        | 0.01%        | 0.002%     |
| 6      | 2.997    | 592        | 593      | 595       | rBV2  | 710         | 288        | 0.01%        | 0.001%     |
| 7      | 3.110    | 625        | 628      | 630       | rBV3  | 511         | 333        | 0.01%        | 0.002%     |
| 8      | 3.164    | 640        | 645      | 646       | rBV4  | 1010        | 723        | 0.03%        | 0.003%     |
| 9      | 3.241    | 667        | 669      | 671       | rBV2  | 497         | 296        | 0.01%        | 0.001%     |
| 10     | 3.251    | 671        | 672      | 675       | rVB2  | 1108        | 361        | 0.01%        | 0.002%     |
| 11     | 3.286    | 680        | 683      | 689       | rVB6  | 786         | 733        | 0.03%        | 0.003%     |
| 12     | 3.319    | 689        | 693      | 695       | rBV4  | 789         | 760        | 0.03%        | 0.004%     |
| 13     | 3.402    | 713        | 719      | 723       | rBV7  | 715         | 1063       | 0.04%        | 0.005%     |
| 14     | 3.505    | 749        | 751      | 754       | rVB3  | 1015        | 550        | 0.02%        | 0.003%     |
| 15     | 3.531    | 754        | 759      | 763       | rBV4  | 870         | 741        | 0.03%        | 0.004%     |
| 16     | 3.579    | 770        | 774      | 777       | rBV2  | 1131        | 1069       | 0.04%        | 0.005%     |
| 17     | 3.743    | 822        | 825      | 829       | rBV6  | 682         | 560        | 0.02%        | 0.003%     |
| 18     | 3.775    | 833        | 835      | 839       | rBV2  | 890         | 514        | 0.02%        | 0.002%     |
| 19     | 3.798    | 839        | 842      | 843       | rVB2  | 576         | 285        | 0.01%        | 0.001%     |
| 20     | 3.807    | 843        | 845      | 846       | rBV2  | 629         | 271        | 0.01%        | 0.001%     |
| 21     | 3.846    | 853        | 857      | 859       | rBV3  | 1042        | 667        | 0.02%        | 0.003%     |
| 22     | 3.894    | 861        | 872      | 909       | rVV   | 177276      | 560921     | 20.53%       | 2.670%     |
| 23     | 4.074    | 918        | 928      | 959       | rVB2  | 142276      | 371184     | 13.58%       | 1.767%     |
| 24     | 4.354    | 1001       | 1015     | 1041      | rVB   | 433724      | 1054149    | 38.58%       | 5.017%     |
| 25     | 4.627    | 1097       | 1100     | 1101      | rBV2  | 1015        | 633        | 0.02%        | 0.003%     |
| 26     | 4.839    | 1163       | 1166     | 1169      | rBV3  | 1067        | 723        | 0.03%        | 0.003%     |
| 27     | 4.913    | 1186       | 1189     | 1191      | rBV4  | 693         | 466        | 0.02%        | 0.002%     |
| 28     | 4.978    | 1207       | 1209     | 1211      | rBV2  | 571         | 310        | 0.01%        | 0.001%     |
| 29     | 5.052    | 1215       | 1232     | 1259      | rVV2  | 1062650     | 2732578    | 100.00%      | 13.005%    |
| 30     | 5.621    | 1393       | 1409     | 1443      | rBV   | 863436      | 1733127    | 63.42%       | 8.248%     |
| 31     | 6.074    | 1535       | 1550     | 1575      | rBV   | 609884      | 1242263    | 45.46%       | 5.912%     |
| 32     | 6.283    | 1613       | 1615     | 1618      | rVB4  | 1083        | 458        | 0.02%        | 0.002%     |
| 33     | 6.341    | 1631       | 1633     | 1640      | rBV6  | 996         | 1278       | 0.05%        | 0.006%     |
| 34     | 6.502    | 1679       | 1683     | 1685      | rBV5  | 1512        | 1037       | 0.04%        | 0.005%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 6.540  | 1691 | 1695 | 1700 | rBV5 | 1320    | 1408    | 0.05%  | 0.007%  |
| 36 | 6.614  | 1713 | 1718 | 1720 | rVB5 | 962     | 904     | 0.03%  | 0.004%  |
| 37 | 6.630  | 1720 | 1723 | 1727 | rBV4 | 1110    | 949     | 0.03%  | 0.005%  |
| 38 | 6.868  | 1795 | 1797 | 1800 | rBV3 | 708     | 377     | 0.01%  | 0.002%  |
| 39 | 6.888  | 1800 | 1803 | 1807 | rBV3 | 1076    | 751     | 0.03%  | 0.004%  |
| 40 | 6.939  | 1815 | 1819 | 1821 | rBV3 | 499     | 295     | 0.01%  | 0.001%  |
| 41 | 6.990  | 1823 | 1835 | 1863 | rBV  | 340452  | 623685  | 22.82% | 2.968%  |
| 42 | 7.254  | 1915 | 1917 | 1921 | rVB3 | 984     | 563     | 0.02%  | 0.003%  |
| 43 | 7.318  | 1925 | 1937 | 1956 | rBV  | 1255714 | 2141865 | 78.38% | 10.193% |
| 44 | 7.624  | 2022 | 2032 | 2053 | rBV  | 237281  | 416774  | 15.25% | 1.983%  |
| 45 | 7.926  | 2122 | 2126 | 2128 | rBV5 | 1177    | 882     | 0.03%  | 0.004%  |
| 46 | 7.974  | 2138 | 2141 | 2154 | rVB9 | 2554    | 4225    | 0.15%  | 0.020%  |
| 47 | 8.093  | 2167 | 2178 | 2214 | rBV  | 633341  | 1214252 | 44.44% | 5.779%  |
| 48 | 8.582  | 2328 | 2330 | 2334 | rVB4 | 1160    | 614     | 0.02%  | 0.003%  |
| 49 | 8.794  | 2394 | 2396 | 2397 | rBV2 | 820     | 405     | 0.01%  | 0.002%  |
| 50 | 8.855  | 2402 | 2415 | 2439 | rBV  | 1296655 | 2086084 | 76.34% | 9.928%  |
| 51 | 9.190  | 2517 | 2519 | 2522 | rBV3 | 1023    | 487     | 0.02%  | 0.002%  |
| 52 | 9.277  | 2543 | 2546 | 2547 | rBV3 | 768     | 491     | 0.02%  | 0.002%  |
| 53 | 9.370  | 2571 | 2575 | 2578 | rBV4 | 1517    | 1455    | 0.05%  | 0.007%  |
| 54 | 9.450  | 2596 | 2600 | 2603 | rBV3 | 756     | 749     | 0.03%  | 0.004%  |
| 55 | 9.469  | 2603 | 2606 | 2607 | rVV4 | 1040    | 519     | 0.02%  | 0.002%  |
| 56 | 9.502  | 2611 | 2616 | 2618 | rBV3 | 371     | 336     | 0.01%  | 0.002%  |
| 57 | 9.527  | 2621 | 2624 | 2627 | rBV3 | 609     | 542     | 0.02%  | 0.003%  |
| 58 | 9.547  | 2627 | 2630 | 2631 | rVB3 | 848     | 464     | 0.02%  | 0.002%  |
| 59 | 9.569  | 2631 | 2637 | 2639 | rBV6 | 839     | 876     | 0.03%  | 0.004%  |
| 60 | 9.691  | 2671 | 2675 | 2677 | rBV3 | 1217    | 814     | 0.03%  | 0.004%  |
| 61 | 9.720  | 2682 | 2684 | 2687 | rBV2 | 696     | 435     | 0.02%  | 0.002%  |
| 62 | 9.775  | 2697 | 2701 | 2705 | rVB6 | 874     | 783     | 0.03%  | 0.004%  |
| 63 | 9.797  | 2706 | 2708 | 2710 | rBV2 | 761     | 376     | 0.01%  | 0.002%  |
| 64 | 9.836  | 2717 | 2720 | 2722 | rBV3 | 1115    | 651     | 0.02%  | 0.003%  |
| 65 | 9.862  | 2726 | 2728 | 2731 | rBV4 | 740     | 438     | 0.02%  | 0.002%  |
| 66 | 9.907  | 2740 | 2742 | 2747 | rBV3 | 879     | 759     | 0.03%  | 0.004%  |
| 67 | 10.000 | 2765 | 2771 | 2774 | rVB3 | 774     | 682     | 0.02%  | 0.003%  |
| 68 | 10.026 | 2774 | 2779 | 2781 | rBV3 | 2010    | 1515    | 0.06%  | 0.007%  |
| 69 | 10.093 | 2797 | 2800 | 2802 | rBV3 | 532     | 390     | 0.01%  | 0.002%  |
| 70 | 10.113 | 2804 | 2806 | 2810 | rVV2 | 693     | 442     | 0.02%  | 0.002%  |
| 71 | 10.132 | 2810 | 2812 | 2817 | rBV4 | 529     | 488     | 0.02%  | 0.002%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 10.222 | 2828 | 2840 | 2860 | rBV  | 730124  | 1143350 | 41.84% | 5.441% |
| 73  | 10.440 | 2904 | 2908 | 2912 | rBV4 | 1005    | 1070    | 0.04%  | 0.005% |
| 74  | 10.473 | 2916 | 2918 | 2920 | rBV3 | 634     | 383     | 0.01%  | 0.002% |
| 75  | 10.666 | 2975 | 2978 | 2980 | rBV2 | 488     | 341     | 0.01%  | 0.002% |
| 76  | 10.730 | 2993 | 2998 | 3003 | rBV6 | 1135    | 1242    | 0.05%  | 0.006% |
| 77  | 10.756 | 3003 | 3006 | 3009 | rBV3 | 1024    | 678     | 0.02%  | 0.003% |
| 78  | 10.858 | 3032 | 3038 | 3039 | rBV4 | 1007    | 763     | 0.03%  | 0.004% |
| 79  | 11.000 | 3079 | 3082 | 3087 | rBV5 | 1127    | 1040    | 0.04%  | 0.005% |
| 80  | 11.164 | 3132 | 3133 | 3134 | rBV  | 913     | 295     | 0.01%  | 0.001% |
| 81  | 11.254 | 3149 | 3161 | 3179 | rBV  | 1274956 | 1958299 | 71.66% | 9.320% |
| 82  | 11.547 | 3242 | 3252 | 3262 | rBV8 | 3700    | 8963    | 0.33%  | 0.043% |
| 83  | 11.630 | 3266 | 3278 | 3295 | rBV  | 1214562 | 1910244 | 69.91% | 9.091% |
| 84  | 11.920 | 3366 | 3368 | 3370 | rBV2 | 647     | 348     | 0.01%  | 0.002% |
| 85  | 11.961 | 3379 | 3381 | 3382 | rBV  | 774     | 344     | 0.01%  | 0.002% |
| 86  | 12.112 | 3426 | 3428 | 3431 | rBV2 | 719     | 344     | 0.01%  | 0.002% |
| 87  | 12.247 | 3467 | 3470 | 3471 | rBV  | 494     | 272     | 0.01%  | 0.001% |
| 88  | 12.338 | 3495 | 3498 | 3500 | rBV  | 623     | 403     | 0.01%  | 0.002% |
| 89  | 12.354 | 3500 | 3503 | 3506 | rVV3 | 869     | 664     | 0.02%  | 0.003% |
| 90  | 12.482 | 3541 | 3543 | 3546 | rVB3 | 898     | 485     | 0.02%  | 0.002% |
| 91  | 12.502 | 3546 | 3549 | 3551 | rBV2 | 540     | 328     | 0.01%  | 0.002% |
| 92  | 12.659 | 3591 | 3598 | 3599 | rBV5 | 1345    | 1143    | 0.04%  | 0.005% |
| 93  | 12.829 | 3645 | 3651 | 3652 | rBV4 | 804     | 687     | 0.03%  | 0.003% |
| 94  | 12.858 | 3657 | 3660 | 3663 | rBV3 | 800     | 628     | 0.02%  | 0.003% |
| 95  | 13.093 | 3730 | 3733 | 3735 | rBV2 | 766     | 476     | 0.02%  | 0.002% |
| 96  | 13.119 | 3738 | 3741 | 3745 | rVB3 | 1414    | 1043    | 0.04%  | 0.005% |
| 97  | 13.141 | 3745 | 3748 | 3749 | rBV  | 504     | 281     | 0.01%  | 0.001% |
| 98  | 13.450 | 3841 | 3844 | 3846 | rBV2 | 1061    | 576     | 0.02%  | 0.003% |
| 99  | 13.952 | 3996 | 4000 | 4004 | rBV3 | 1352    | 1278    | 0.05%  | 0.006% |
| 100 | 14.116 | 4048 | 4051 | 4052 | rBV2 | 708     | 417     | 0.02%  | 0.002% |

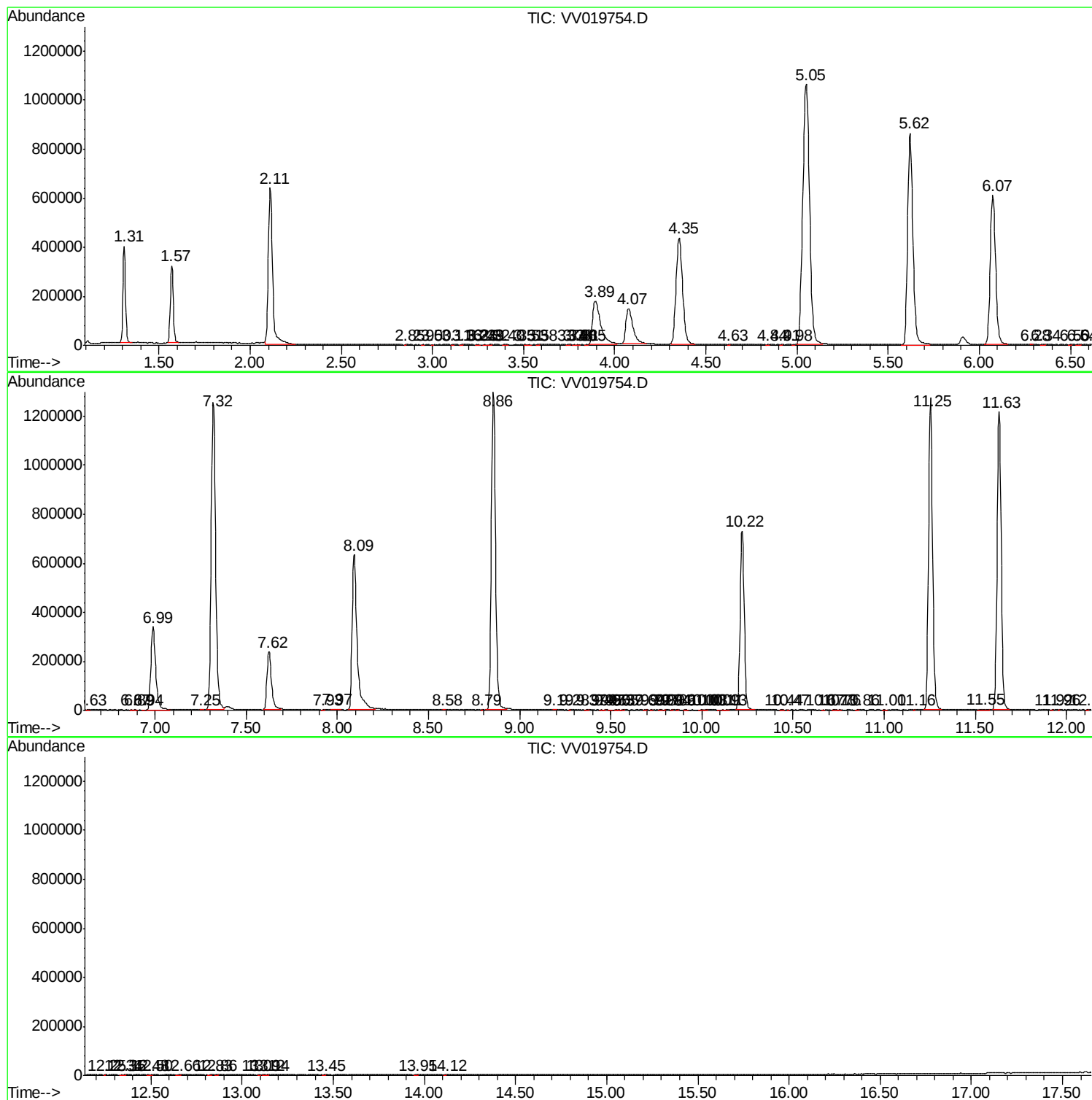
Sum of corrected areas: 21012182

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
Quant Title : VOC Analysis

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



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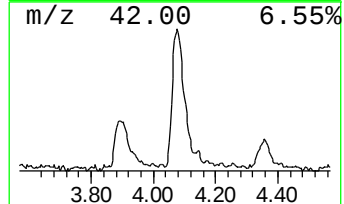
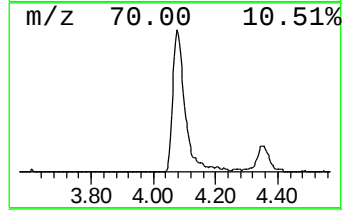
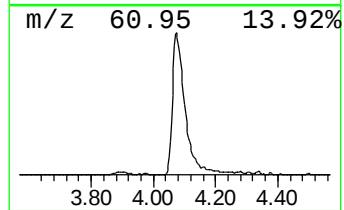
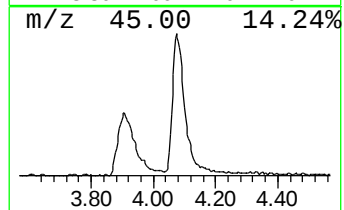
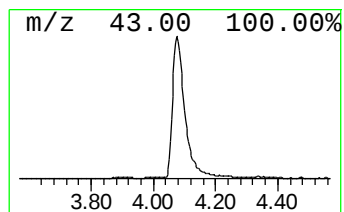
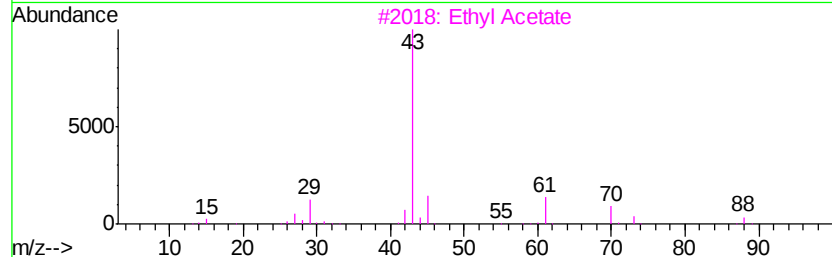
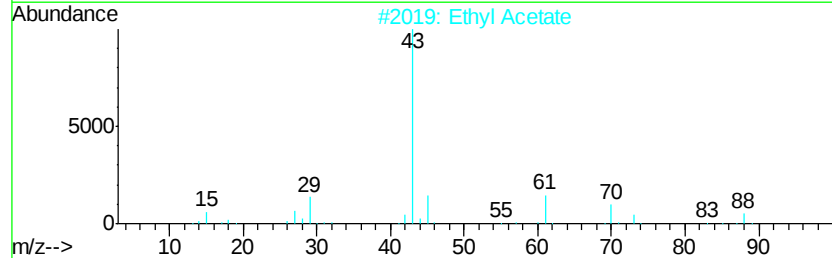
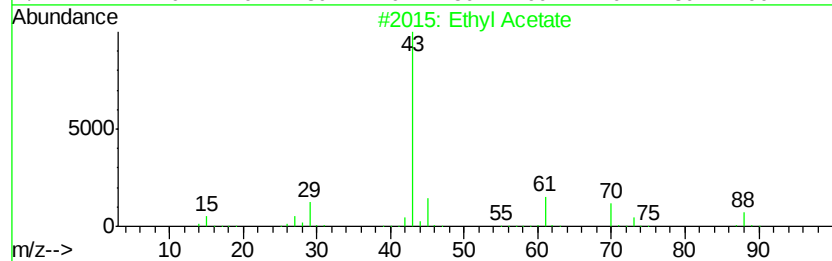
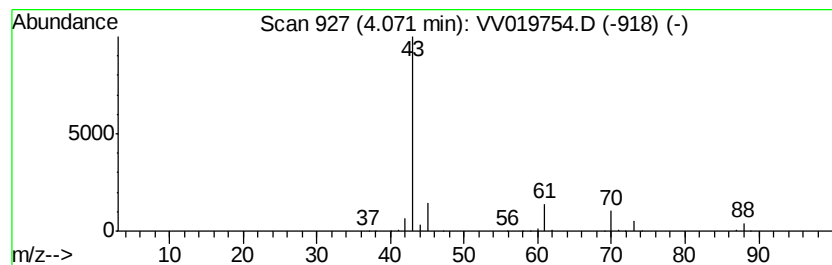
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Ethyl Acetate Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 4.07 | 10.71 ug/L | 371184 | 1,4-Difluorobenzene | 5.62 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 2    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 3    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 72   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 40   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Ethyl Acetate    | 4.07 | 10.7    | ug/L  | 371184   | 1                     | 5.62 | 1733130 | 50.0 |