

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
 Data File : VU033306.D  
 Acq On : 18 Jul 2019 10:10  
 Operator : JC/SP  
 Sample : PB121436TB  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB01

## 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\_U\METHOD\SOMULM071219WMA.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      | 1.177    | 22         | 27       | 33        | rBV2  | 4212        | 4785       | 0.26%        | 0.037%     |
| 2      | 1.389    | 86         | 93       | 107       | rVB   | 145639      | 150067     | 8.03%        | 1.148%     |
| 3      | 1.544    | 134        | 141      | 148       | rVB2  | 17243       | 21030      | 1.12%        | 0.161%     |
| 4      | 1.669    | 172        | 180      | 197       | rVB   | 125620      | 159267     | 8.52%        | 1.219%     |
| 5      | 2.257    | 353        | 363      | 373       | rBV   | 214830      | 324857     | 17.38%       | 2.486%     |
| 6      | 2.306    | 374        | 378      | 392       | rVB2  | 12637       | 19229      | 1.03%        | 0.147%     |
| 7      | 2.473    | 428        | 430      | 434       | rVB3  | 682         | 385        | 0.02%        | 0.003%     |
| 8      | 2.495    | 434        | 437      | 444       | rVB3  | 672         | 638        | 0.03%        | 0.005%     |
| 9      | 2.608    | 465        | 472      | 474       | rBV3  | 549         | 683        | 0.04%        | 0.005%     |
| 10     | 2.685    | 487        | 496      | 505       | rBV3  | 3785        | 6046       | 0.32%        | 0.046%     |
| 11     | 2.949    | 575        | 578      | 583       | rVB3  | 293         | 299        | 0.02%        | 0.002%     |
| 12     | 3.129    | 631        | 634      | 639       | rBV2  | 268         | 264        | 0.01%        | 0.002%     |
| 13     | 3.167    | 644        | 646      | 649       | rBV   | 329         | 225        | 0.01%        | 0.002%     |
| 14     | 3.241    | 663        | 669      | 673       | rBV2  | 222         | 233        | 0.01%        | 0.002%     |
| 15     | 3.399    | 708        | 718      | 730       | rVV4  | 2459        | 6011       | 0.32%        | 0.046%     |
| 16     | 3.447    | 730        | 733      | 736       | rVV3  | 648         | 546        | 0.03%        | 0.004%     |
| 17     | 3.466    | 736        | 739      | 744       | rVB3  | 432         | 384        | 0.02%        | 0.003%     |
| 18     | 3.643    | 791        | 794      | 798       | rVB2  | 448         | 279        | 0.01%        | 0.002%     |
| 19     | 4.000    | 898        | 905      | 907       | rBV2  | 280         | 248        | 0.01%        | 0.002%     |
| 20     | 4.148    | 938        | 951      | 976       | rBV   | 92317       | 246541     | 13.19%       | 1.887%     |
| 21     | 4.621    | 1081       | 1098     | 1122      | rBV   | 174128      | 414175     | 22.16%       | 3.169%     |
| 22     | 4.749    | 1135       | 1138     | 1143      | rVB4  | 701         | 647        | 0.03%        | 0.005%     |
| 23     | 4.778    | 1143       | 1147     | 1152      | rBV3  | 600         | 611        | 0.03%        | 0.005%     |
| 24     | 4.852    | 1167       | 1170     | 1172      | rBV2  | 520         | 403        | 0.02%        | 0.003%     |
| 25     | 4.932    | 1192       | 1195     | 1198      | rVV2  | 386         | 222        | 0.01%        | 0.002%     |
| 26     | 4.971    | 1205       | 1207     | 1211      | rVB2  | 522         | 324        | 0.02%        | 0.002%     |
| 27     | 5.315    | 1291       | 1314     | 1341      | rBV2  | 333210      | 999527     | 53.47%       | 7.649%     |
| 28     | 5.460    | 1357       | 1359     | 1365      | rVB3  | 474         | 390        | 0.02%        | 0.003%     |
| 29     | 5.534    | 1371       | 1382     | 1399      | rBV3  | 10739       | 22039      | 1.18%        | 0.169%     |
| 30     | 5.707    | 1432       | 1436     | 1439      | rBV3  | 408         | 312        | 0.02%        | 0.002%     |
| 31     | 5.752    | 1445       | 1450     | 1452      | rBV2  | 448         | 447        | 0.02%        | 0.003%     |
| 32     | 5.865    | 1470       | 1485     | 1506      | rBV   | 342881      | 685558     | 36.67%       | 5.246%     |
| 33     | 6.309    | 1609       | 1623     | 1643      | rBV   | 233238      | 465412     | 24.90%       | 3.561%     |
| 34     | 6.405    | 1646       | 1653     | 1670      | rVB3  | 7423        | 14498      | 0.78%        | 0.111%     |

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 Sampling : 1  
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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\_U\METHOD\SOMULM071219WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 6.514  | 1682 | 1687 | 1694 | rBV  | 3107    | 4503    | 0.24%   | 0.034%  |
| 36 | 6.556  | 1695 | 1700 | 1707 | rBV2 | 7507    | 11175   | 0.60%   | 0.086%  |
| 37 | 6.685  | 1727 | 1740 | 1779 | rBV  | 1065790 | 1869345 | 100.00% | 14.305% |
| 38 | 7.080  | 1862 | 1863 | 1867 | rVB3 | 395     | 219     | 0.01%   | 0.002%  |
| 39 | 7.209  | 1890 | 1903 | 1927 | rBV  | 130443  | 237393  | 12.70%  | 1.817%  |
| 40 | 7.402  | 1951 | 1963 | 1995 | rBV  | 169941  | 298552  | 15.97%  | 2.285%  |
| 41 | 7.547  | 1995 | 2008 | 2029 | rBV  | 469395  | 817683  | 43.74%  | 6.257%  |
| 42 | 7.682  | 2047 | 2050 | 2051 | rBV3 | 1234    | 688     | 0.04%   | 0.005%  |
| 43 | 7.829  | 2085 | 2096 | 2117 | rBV2 | 112052  | 194792  | 10.42%  | 1.491%  |
| 44 | 7.945  | 2130 | 2132 | 2136 | rVB3 | 562     | 350     | 0.02%   | 0.003%  |
| 45 | 8.058  | 2164 | 2167 | 2173 | rVB5 | 417     | 433     | 0.02%   | 0.003%  |
| 46 | 8.138  | 2180 | 2192 | 2207 | rBV  | 102505  | 170817  | 9.14%   | 1.307%  |
| 47 | 8.244  | 2208 | 2225 | 2231 | rBV3 | 43352   | 77901   | 4.17%   | 0.596%  |
| 48 | 8.292  | 2231 | 2240 | 2262 | rVV  | 317937  | 564229  | 30.18%  | 4.318%  |
| 49 | 8.399  | 2262 | 2273 | 2291 | rVB  | 809412  | 1245335 | 66.62%  | 9.530%  |
| 50 | 8.508  | 2299 | 2307 | 2322 | rVB  | 51795   | 85547   | 4.58%   | 0.655%  |
| 51 | 8.662  | 2353 | 2355 | 2360 | rVB3 | 748     | 437     | 0.02%   | 0.003%  |
| 52 | 8.685  | 2360 | 2362 | 2367 | rVB3 | 310     | 240     | 0.01%   | 0.002%  |
| 53 | 8.710  | 2367 | 2370 | 2373 | rBV4 | 596     | 413     | 0.02%   | 0.003%  |
| 54 | 8.778  | 2387 | 2391 | 2395 | rBV3 | 738     | 611     | 0.03%   | 0.005%  |
| 55 | 8.829  | 2402 | 2407 | 2410 | rBV2 | 338     | 326     | 0.02%   | 0.002%  |
| 56 | 8.887  | 2412 | 2425 | 2451 | rBV  | 553754  | 869406  | 46.51%  | 6.653%  |
| 57 | 9.071  | 2467 | 2482 | 2510 | rBV  | 553908  | 931563  | 49.83%  | 7.129%  |
| 58 | 9.235  | 2530 | 2533 | 2537 | rBV3 | 502     | 557     | 0.03%   | 0.004%  |
| 59 | 9.283  | 2545 | 2548 | 2551 | rBV4 | 616     | 393     | 0.02%   | 0.003%  |
| 60 | 9.302  | 2551 | 2554 | 2557 | rVB3 | 461     | 300     | 0.02%   | 0.002%  |
| 61 | 9.325  | 2557 | 2561 | 2564 | rBV2 | 498     | 372     | 0.02%   | 0.003%  |
| 62 | 9.424  | 2587 | 2592 | 2596 | rBV4 | 559     | 613     | 0.03%   | 0.005%  |
| 63 | 9.517  | 2616 | 2621 | 2625 | rBV3 | 484     | 518     | 0.03%   | 0.004%  |
| 64 | 9.591  | 2635 | 2644 | 2653 | rBV3 | 6199    | 10486   | 0.56%   | 0.080%  |
| 65 | 9.675  | 2667 | 2670 | 2673 | rBV2 | 393     | 274     | 0.01%   | 0.002%  |
| 66 | 9.752  | 2683 | 2694 | 2712 | rBV  | 28757   | 47790   | 2.56%   | 0.366%  |
| 67 | 9.842  | 2719 | 2722 | 2724 | rBV  | 373     | 273     | 0.01%   | 0.002%  |
| 68 | 9.890  | 2734 | 2737 | 2739 | rBV2 | 320     | 211     | 0.01%   | 0.002%  |
| 69 | 9.968  | 2756 | 2761 | 2765 | rBV3 | 442     | 457     | 0.02%   | 0.003%  |
| 70 | 10.038 | 2782 | 2783 | 2788 | rVB2 | 363     | 216     | 0.01%   | 0.002%  |
| 71 | 10.067 | 2789 | 2792 | 2795 | rBV2 | 458     | 300     | 0.02%   | 0.002%  |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB01

## 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\_U\METHOD\SOMULM071219WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.125 | 2805 | 2810 | 2812 | rBV  | 342    | 326    | 0.02%  | 0.002% |
| 73  | 10.199 | 2829 | 2833 | 2836 | rBV  | 394    | 271    | 0.01%  | 0.002% |
| 74  | 10.228 | 2839 | 2842 | 2845 | rBV3 | 342    | 220    | 0.01%  | 0.002% |
| 75  | 10.415 | 2887 | 2900 | 2921 | rBV  | 359888 | 570216 | 30.50% | 4.363% |
| 76  | 10.550 | 2935 | 2942 | 2945 | rBV3 | 583    | 589    | 0.03%  | 0.005% |
| 77  | 10.717 | 2987 | 2994 | 2996 | rBV2 | 354    | 373    | 0.02%  | 0.003% |
| 78  | 10.759 | 2997 | 3007 | 3017 | rVB2 | 9136   | 12550  | 0.67%  | 0.096% |
| 79  | 10.894 | 3045 | 3049 | 3053 | rBV3 | 532    | 447    | 0.02%  | 0.003% |
| 80  | 10.929 | 3057 | 3060 | 3067 | rBV2 | 246    | 255    | 0.01%  | 0.002% |
| 81  | 11.045 | 3091 | 3096 | 3099 | rVV2 | 314    | 266    | 0.01%  | 0.002% |
| 82  | 11.135 | 3120 | 3124 | 3125 | rBV2 | 470    | 322    | 0.02%  | 0.002% |
| 83  | 11.379 | 3196 | 3200 | 3204 | rBV2 | 369    | 296    | 0.02%  | 0.002% |
| 84  | 11.398 | 3204 | 3206 | 3208 | rBV2 | 526    | 300    | 0.02%  | 0.002% |
| 85  | 11.408 | 3208 | 3209 | 3214 | rVB2 | 786    | 452    | 0.02%  | 0.003% |
| 86  | 11.469 | 3216 | 3228 | 3249 | rBV  | 482347 | 769632 | 41.17% | 5.889% |
| 87  | 11.566 | 3256 | 3258 | 3260 | rVB  | 620    | 281    | 0.02%  | 0.002% |
| 88  | 11.675 | 3290 | 3292 | 3297 | rVB3 | 360    | 227    | 0.01%  | 0.002% |
| 89  | 11.704 | 3299 | 3301 | 3306 | rVB2 | 418    | 420    | 0.02%  | 0.003% |
| 90  | 11.755 | 3315 | 3317 | 3324 | rVB2 | 539    | 418    | 0.02%  | 0.003% |
| 91  | 11.845 | 3331 | 3345 | 3368 | rBV  | 433822 | 714660 | 38.23% | 5.469% |
| 92  | 12.016 | 3396 | 3398 | 3401 | rVB2 | 683    | 312    | 0.02%  | 0.002% |
| 93  | 12.132 | 3430 | 3434 | 3437 | rVB4 | 558    | 431    | 0.02%  | 0.003% |
| 94  | 12.212 | 3454 | 3459 | 3462 | rBV3 | 464    | 418    | 0.02%  | 0.003% |
| 95  | 12.296 | 3479 | 3485 | 3488 | rBV3 | 425    | 487    | 0.03%  | 0.004% |
| 96  | 12.559 | 3564 | 3567 | 3568 | rBV  | 463    | 226    | 0.01%  | 0.002% |
| 97  | 12.800 | 3634 | 3642 | 3644 | rBV3 | 429    | 566    | 0.03%  | 0.004% |
| 98  | 12.874 | 3662 | 3665 | 3667 | rBV3 | 464    | 345    | 0.02%  | 0.003% |
| 99  | 13.051 | 3718 | 3720 | 3723 | rVB2 | 528    | 271    | 0.01%  | 0.002% |
| 100 | 15.292 | 4414 | 4417 | 4422 | rVB3 | 1304   | 1030   | 0.06%  | 0.008% |

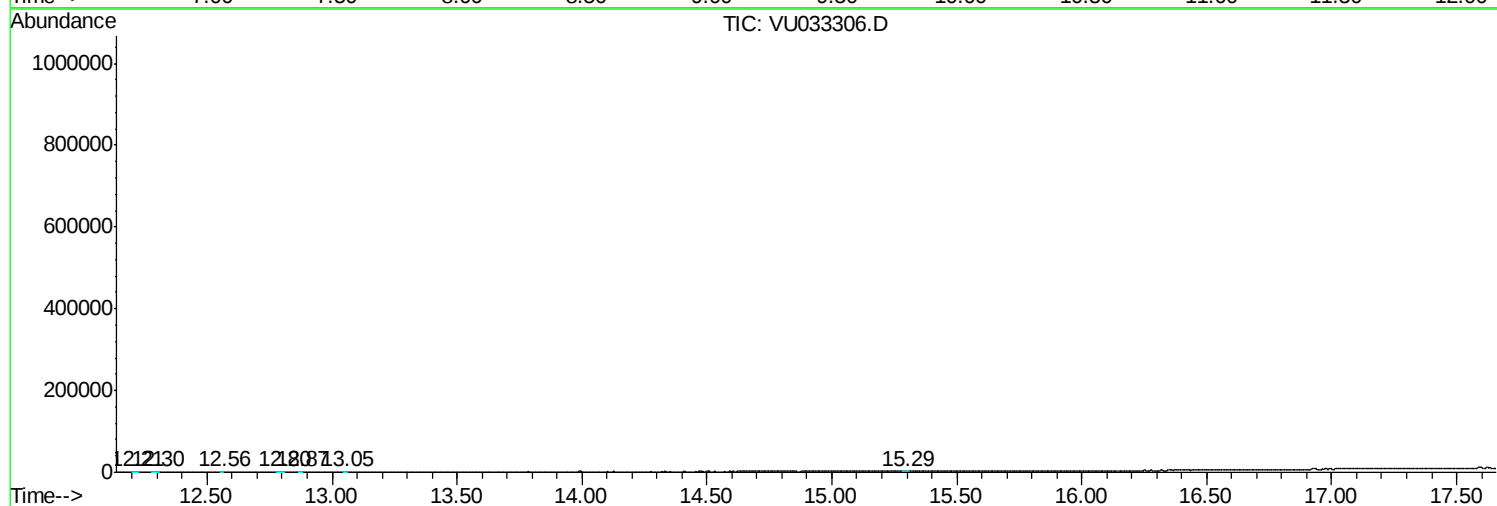
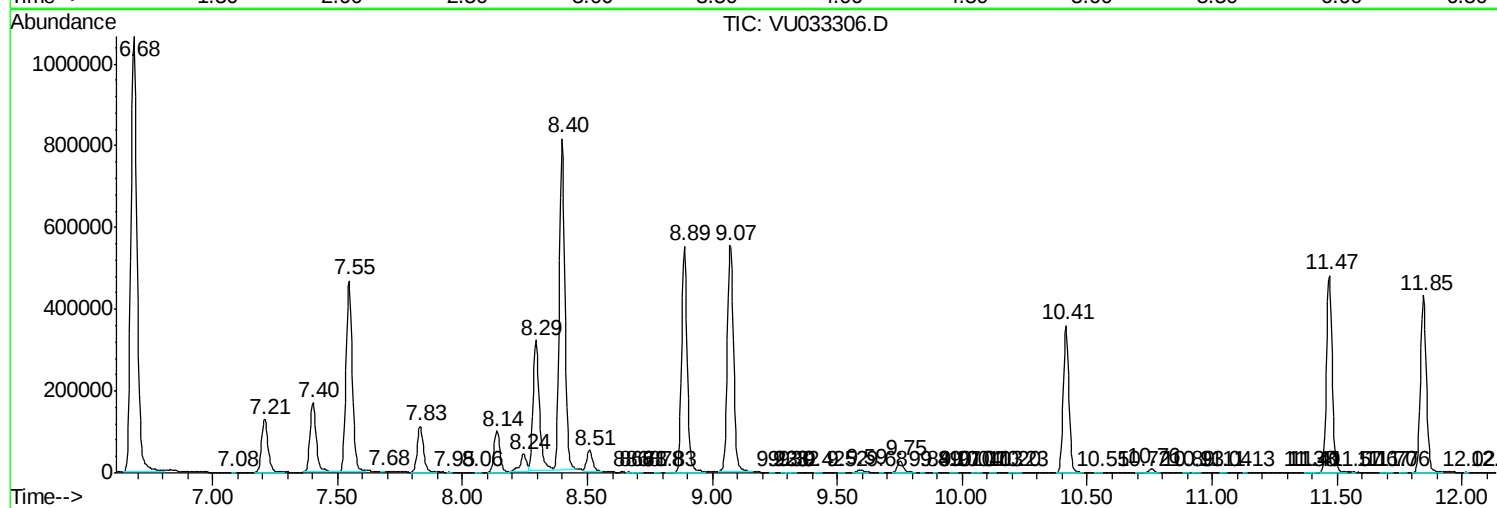
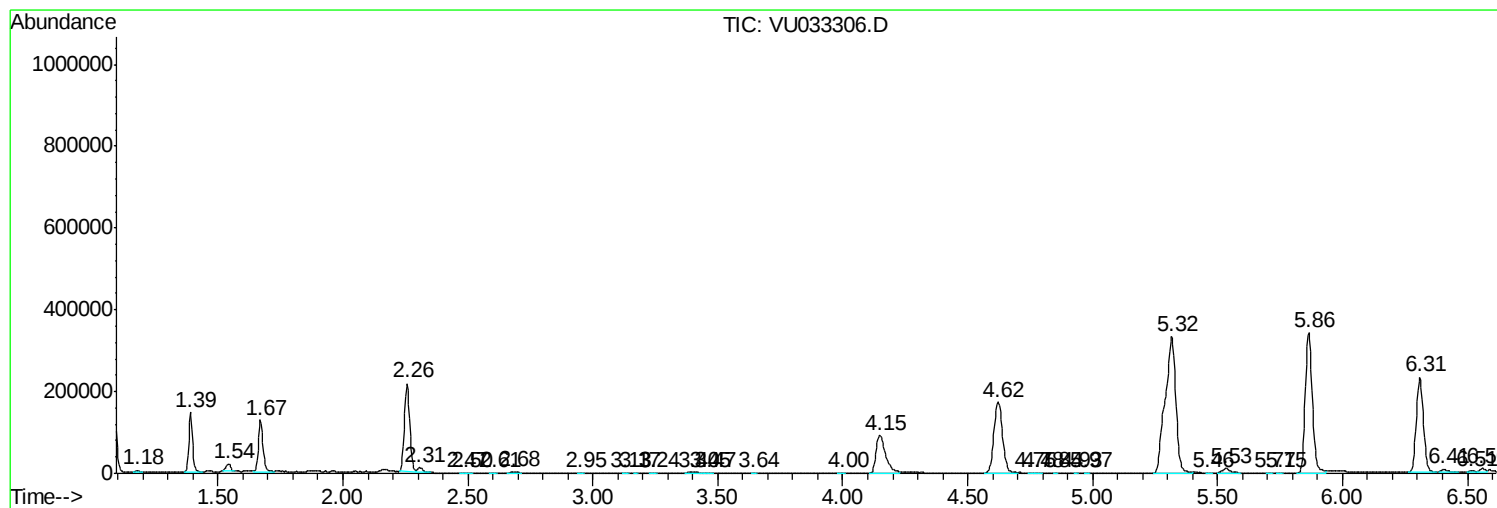
Sum of corrected areas: 13067907

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
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Instrument :  
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ClientSampleId :  
VLEB01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

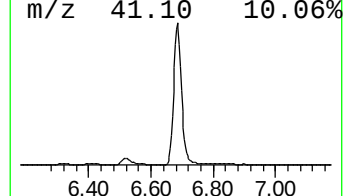
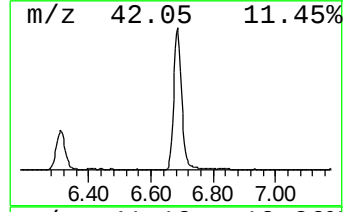
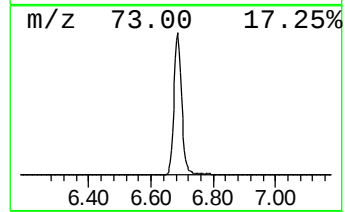
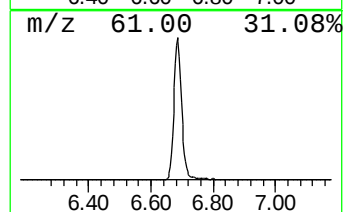
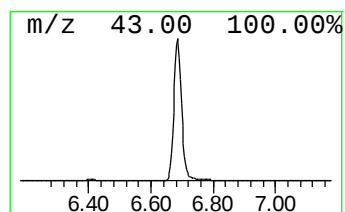
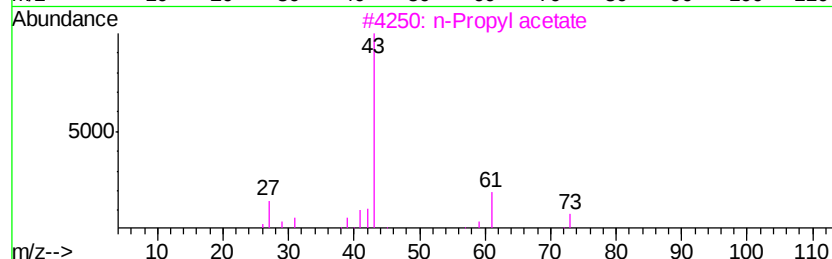
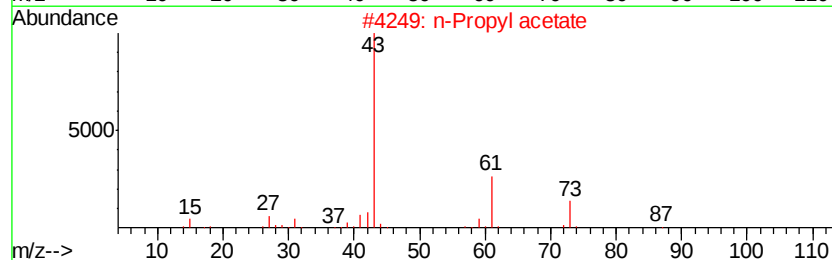
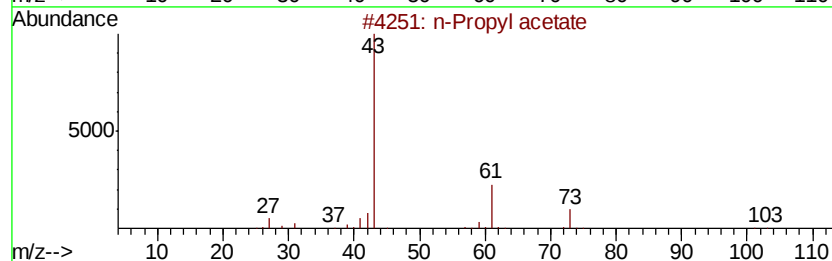
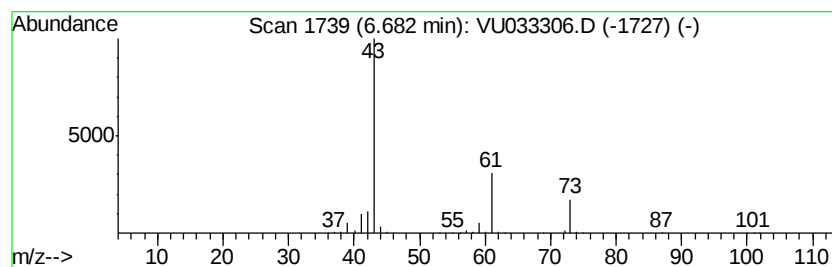
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 n-Propyl acetate Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 6.68 | 136.34 ug/L | 1869350 | 1,4-Difluorobenzene | 5.86 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 2    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 3    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 5    |    | Isobutylamine     | 73  | C4H11N  | 000078-81-9 | 9    |



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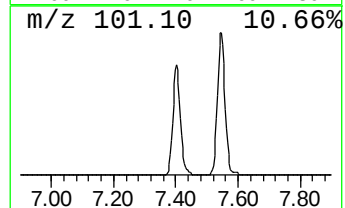
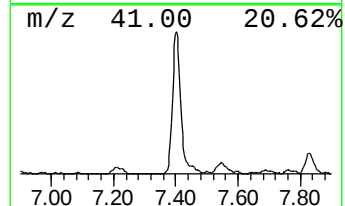
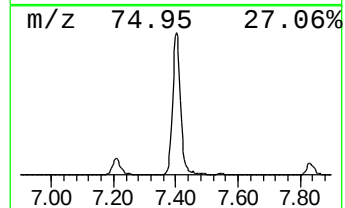
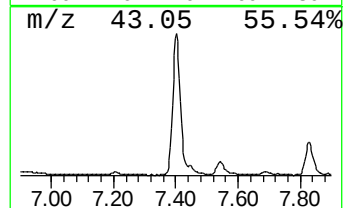
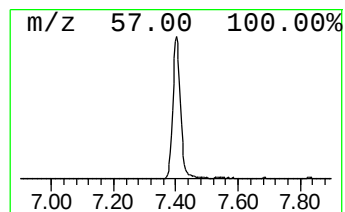
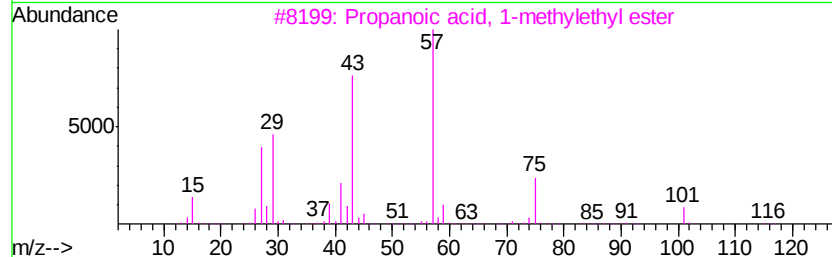
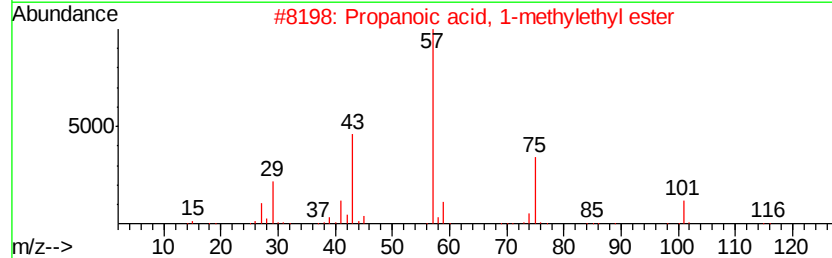
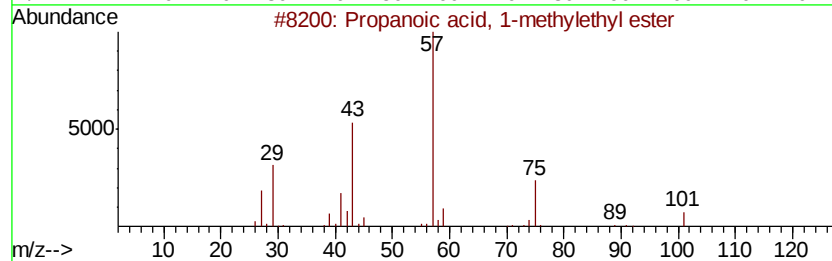
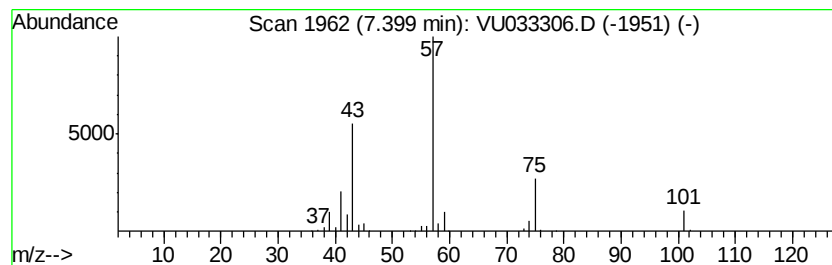
Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 3 Propanoic acid, 1-methyleth... Concentration Rank 4

| R.T.    | EstConc                             | Area         | Relative to ISTD    | R.T.        |      |      |
|---------|-------------------------------------|--------------|---------------------|-------------|------|------|
| 7.40    | 21.77 ug/L                          | 298552       | 1,4-Difluorobenzene | 5.86        |      |      |
| Hit# of | 5                                   | Tentative ID | MW                  | MolForm     | CAS# | Qual |
| 1       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 86   |      |
| 2       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 74   |      |
| 3       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 64   |      |
| 4       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 53   |      |
| 5       | Propanoic acid, propyl ester        | 116          | C6H12O2             | 000106-36-5 | 45   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
Acq On : 18 Jul 2019 10:10  
Operator : JC/SP  
Sample : PB121436TB  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis

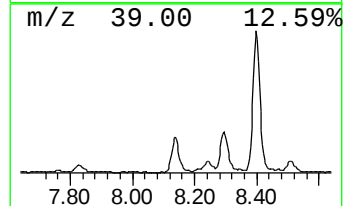
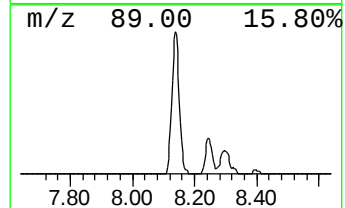
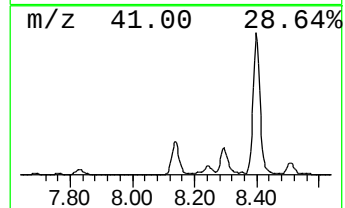
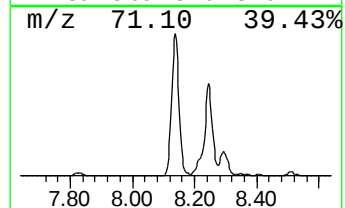
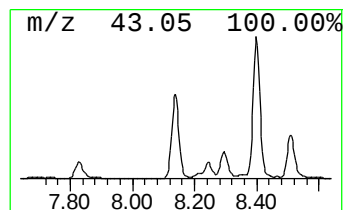
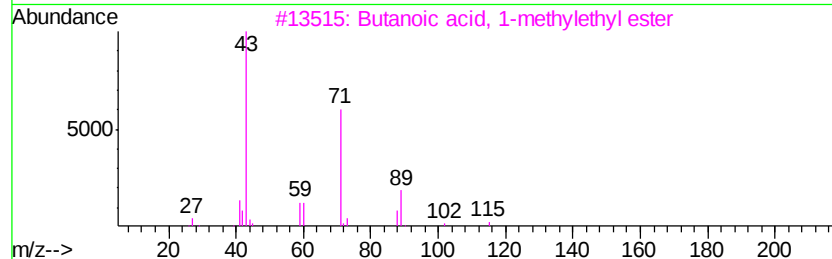
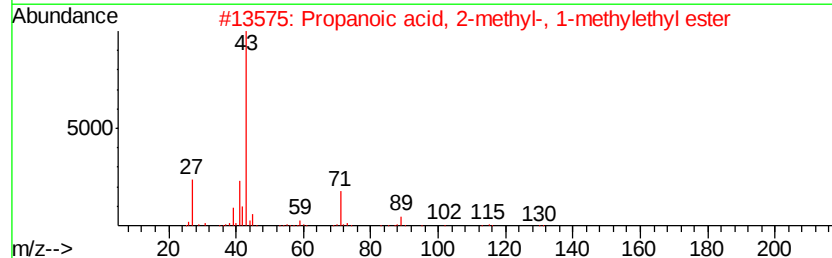
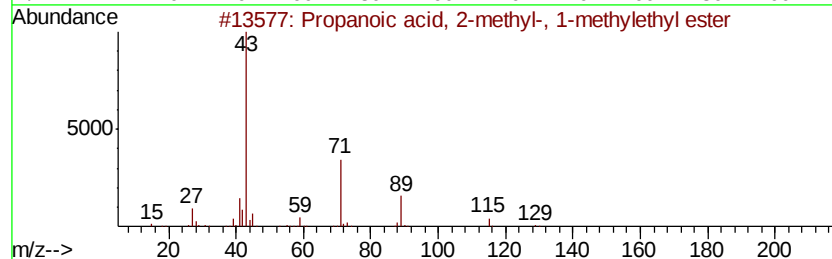
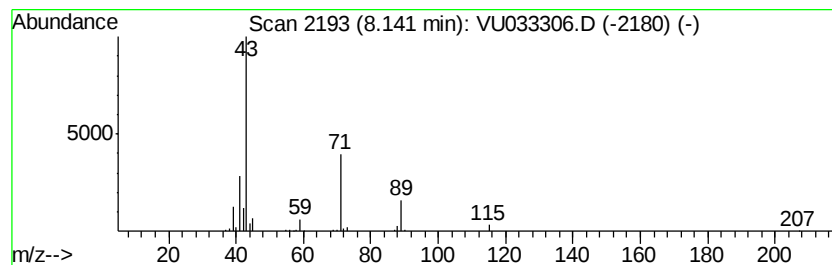
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 8.14 | 9.17 ug/L | 170817 | Chlorobenzene-d5 | 9.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 83   |
| 2    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 74   |
| 3    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 72   |
| 4    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 64   |
| 5    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
Acq On : 18 Jul 2019 10:10  
Operator : JC/SP  
Sample : PB121436TB  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

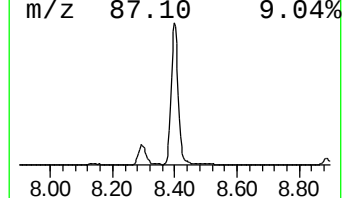
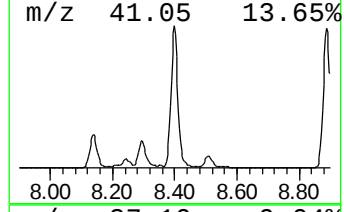
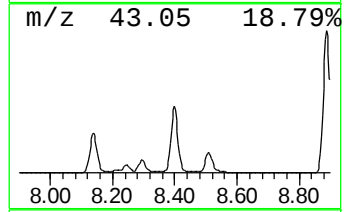
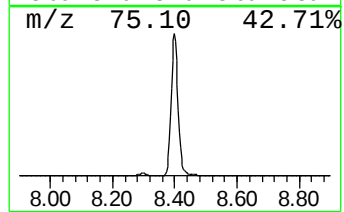
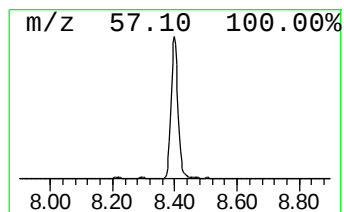
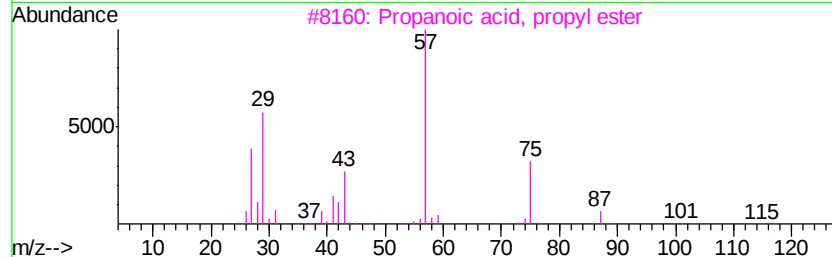
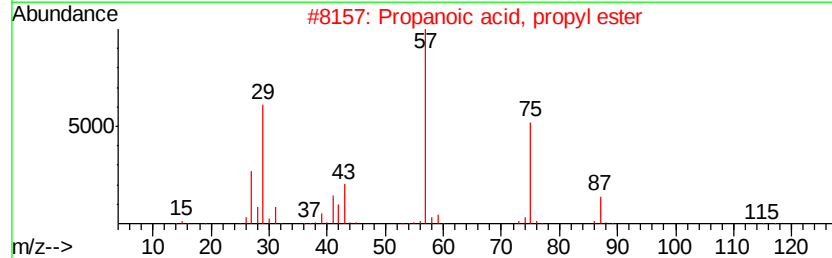
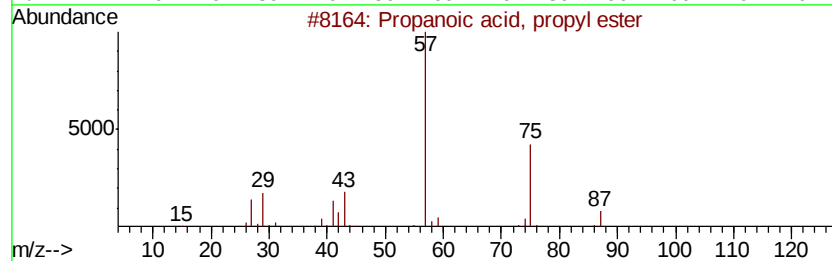
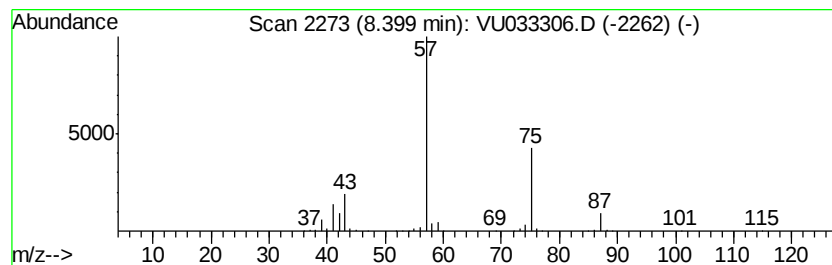
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

| R.T. | EstConc    | Area    | Relative to ISTD | R.T. |
|------|------------|---------|------------------|------|
| 8.40 | 66.84 ug/L | 1245340 | Chlorobenzene-d5 | 9.07 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 2    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 3    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 4    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 5    |    | Propanoic acid, butyl ester  | 130 | C7H14O2 | 000590-01-2 | 40   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
Acq On : 18 Jul 2019 10:10  
Operator : JC/SP  
Sample : PB121436TB  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

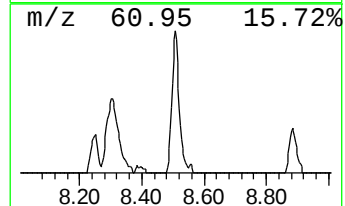
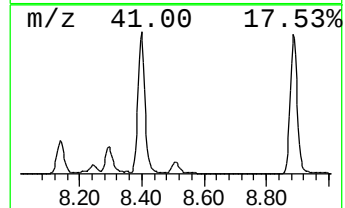
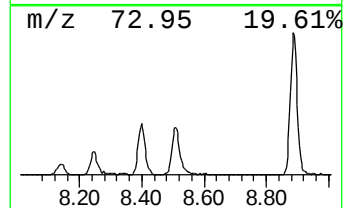
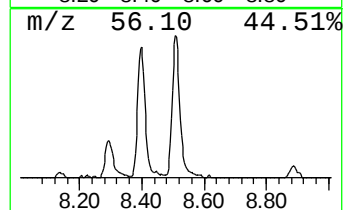
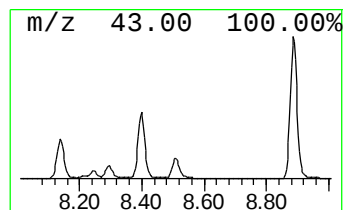
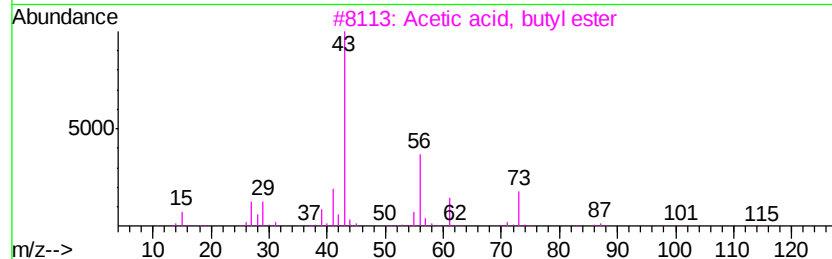
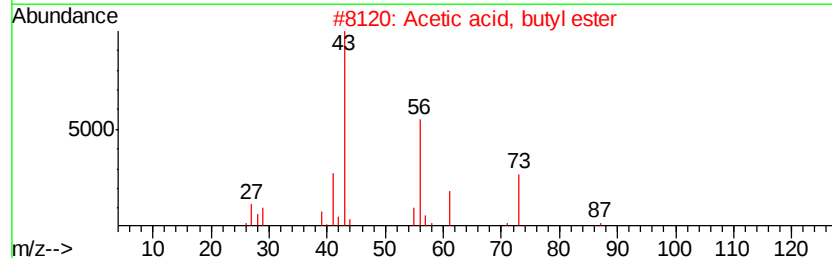
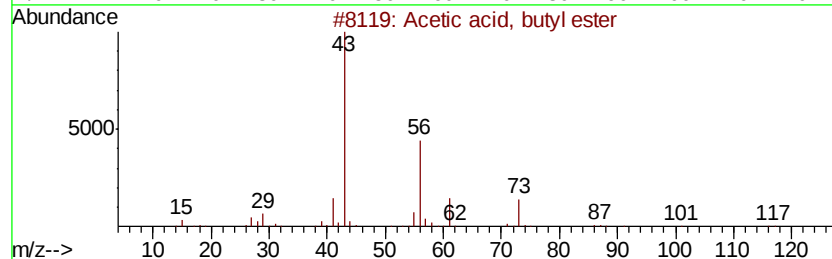
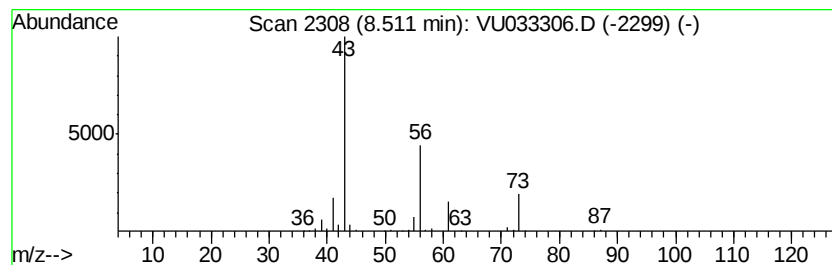
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.51 | 4.59 ug/L | 85547 | Chlorobenzene-d5 | 9.07 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 72   |
| 2    |    | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 72   |
| 3    |    | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 64   |
| 4    |    | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 56   |
| 5    |    | 2-Vinylethyl acetate     | 114 | C6H10O2 | 001576-84-7 | 17   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
Acq On : 18 Jul 2019 10:10  
Operator : JC/SP  
Sample : PB121436TB  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis

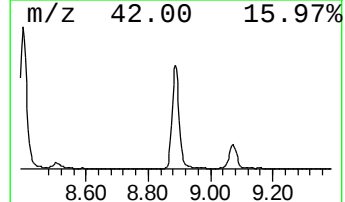
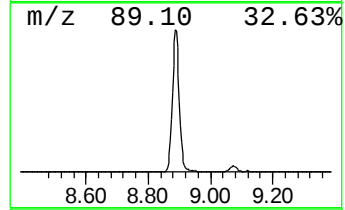
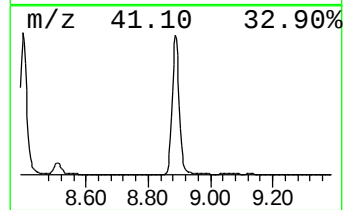
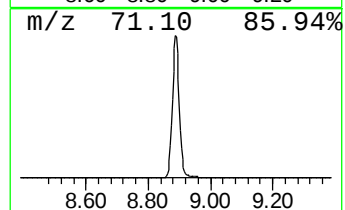
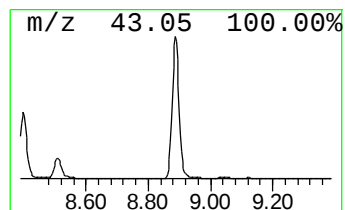
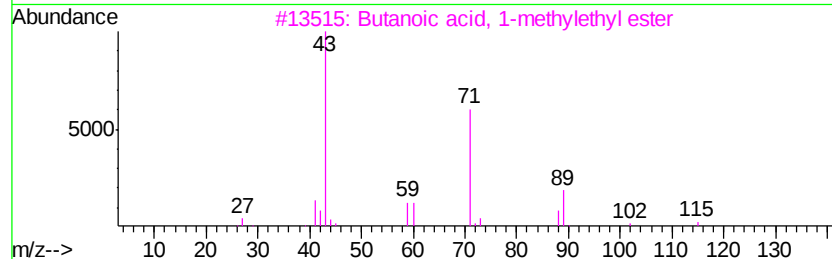
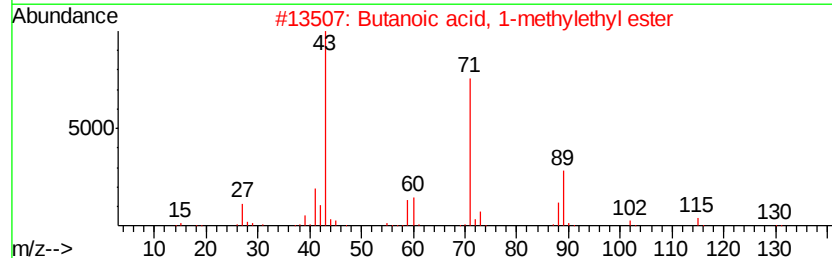
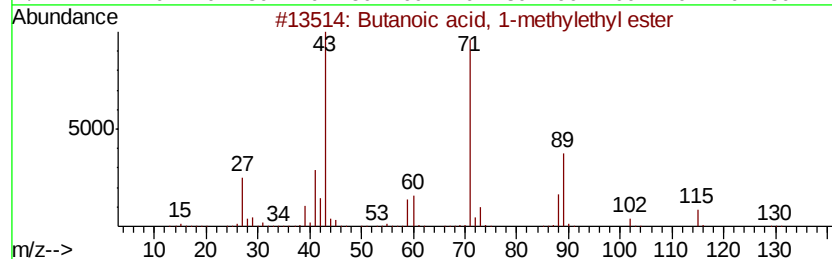
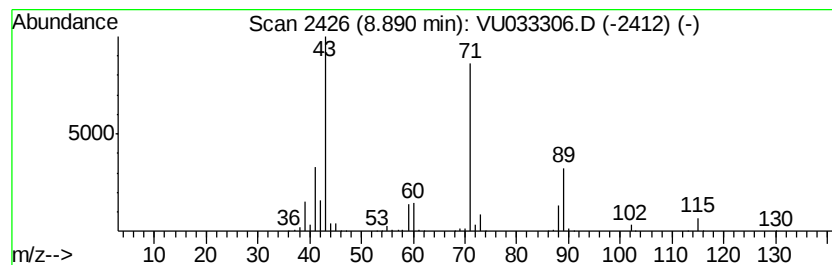
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD | R.T. |
|------|------------|--------|------------------|------|
| 8.89 | 46.66 ug/L | 869406 | Chlorobenzene-d5 | 9.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 91   |
| 2    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 3    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 83   |
| 4    |    | Butanoic acid, propyl ester         | 130 | C7H14O2 | 000105-66-8 | 72   |
| 5    |    | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
Acq On : 18 Jul 2019 10:10  
Operator : JC/SP  
Sample : PB121436TB  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

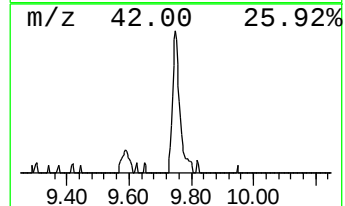
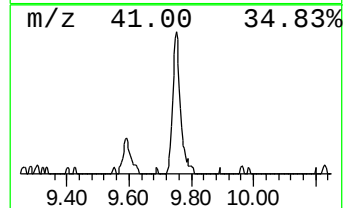
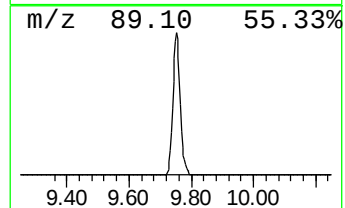
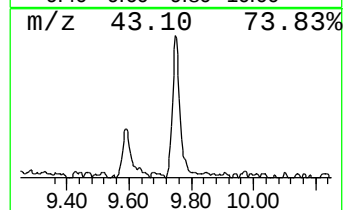
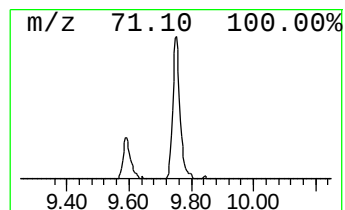
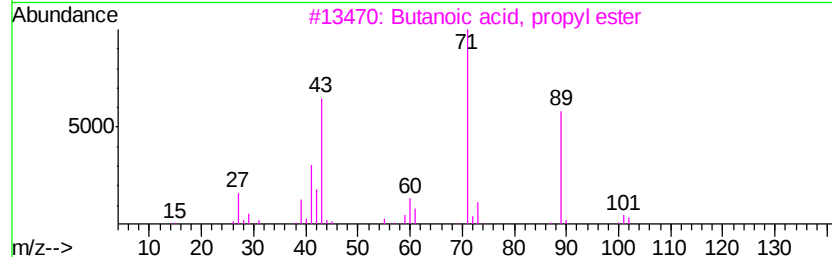
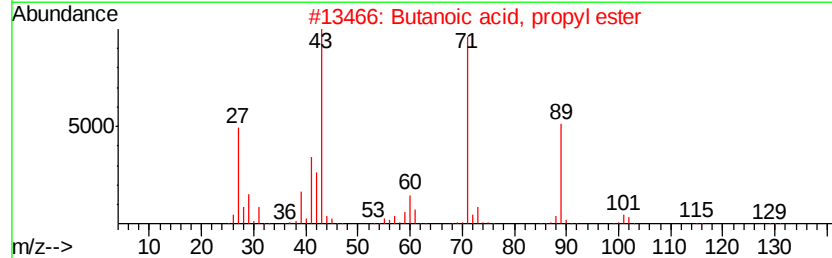
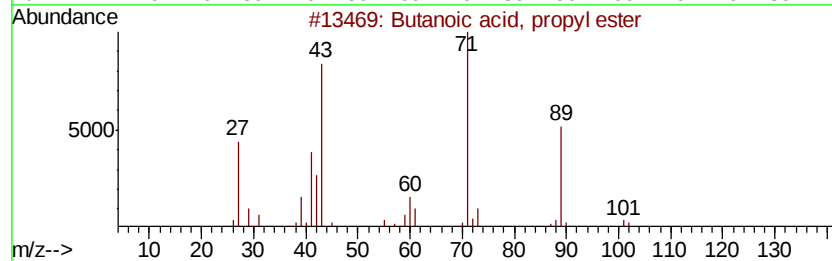
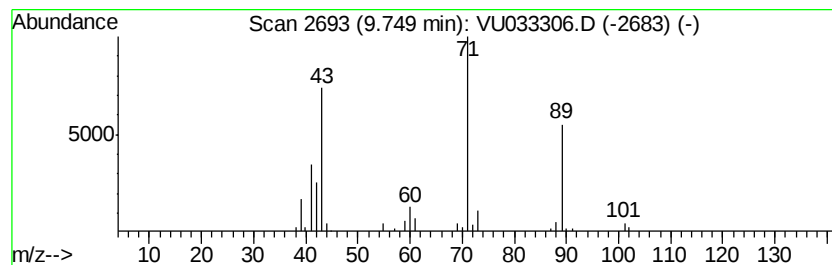
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 8 Butanoic acid, propyl ester Concentration Rank 8

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 9.75 | 2.57 ug/L | 47790 | Chlorobenzene-d5 | 9.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, propyl ester         | 130 | C7H14O2 | 000105-66-8 | 86   |
| 2    |    | Butanoic acid, propyl ester         | 130 | C7H14O2 | 000105-66-8 | 86   |
| 3    |    | Butanoic acid, propyl ester         | 130 | C7H14O2 | 000105-66-8 | 86   |
| 4    |    | Butanoic acid, propyl ester         | 130 | C7H14O2 | 000105-66-8 | 86   |
| 5    |    | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 72   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU071819\  
Data File : VU033306.D  
Acq On : 18 Jul 2019 10:10  
Operator : JC/SP  
Sample : PB121436TB  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
Quant Title : VOC Analysis

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| n-Propyl acetate     | 6.68 | 136.3   | ug/L  | 1869350  | 1                     | 5.86 | 685558 | 50.0 |
| Propanoic acid, 1... | 7.40 | 21.8    | ug/L  | 298552   | 1                     | 5.86 | 685558 | 50.0 |
| Propanoic acid, 2... | 8.14 | 9.2     | ug/L  | 170817   | 2                     | 9.07 | 931563 | 50.0 |
| Propanoic acid, p... | 8.40 | 66.8    | ug/L  | 1245340  | 2                     | 9.07 | 931563 | 50.0 |
| Acetic acid, buty... | 8.51 | 4.6     | ug/L  | 85547    | 2                     | 9.07 | 931563 | 50.0 |
| Butanoic acid, 1-... | 8.89 | 46.7    | ug/L  | 869406   | 2                     | 9.07 | 931563 | 50.0 |
| Butanoic acid, pr... | 9.75 | 2.6     | ug/L  | 47790    | 2                     | 9.07 | 931563 | 50.0 |