

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\  
 Data File : VV018378.D  
 Acq On : 21 Sep 2020 18:15  
 Operator : SY/MD  
 Sample : L4090-12  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWY5

## 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\SOMVLM090920WMA.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         | 1.116       | 3             | 8           | 20           | rVB      | 54851          | 50695         | 0.12%           | 0.103%        |
| 2         | 1.315       | 63            | 70          | 82           | rVB      | 154085         | 166780        | 0.41%           | 0.340%        |
| 3         | 1.579       | 145           | 152         | 166          | rVB      | 118591         | 134618        | 0.33%           | 0.274%        |
| 4         | 2.122       | 311           | 321         | 354          | rVB2     | 246522         | 390717        | 0.96%           | 0.796%        |
| 5         | 2.785       | 518           | 527         | 529          | rBV5     | 1496           | 1715          | 0.00%           | 0.003%        |
| 6         | 2.862       | 548           | 551         | 555          | rVB      | 130            | 108           | 0.00%           | 0.000%        |
| 7         | 2.884       | 555           | 558         | 563          | rBV2     | 96             | 87            | 0.00%           | 0.000%        |
| 8         | 2.913       | 564           | 567         | 570          | rBV      | 117            | 81            | 0.00%           | 0.000%        |
| 9         | 2.978       | 577           | 587         | 595          | rBV5     | 1207           | 2154          | 0.01%           | 0.004%        |
| 10        | 3.071       | 608           | 616         | 624          | rVB4     | 713            | 1006          | 0.00%           | 0.002%        |
| 11        | 3.164       | 640           | 645         | 648          | rBV2     | 96             | 90            | 0.00%           | 0.000%        |
| 12        | 3.257       | 669           | 674         | 676          | rBV      | 106            | 105           | 0.00%           | 0.000%        |
| 13        | 3.341       | 693           | 700         | 703          | rBV2     | 130            | 155           | 0.00%           | 0.000%        |
| 14        | 3.389       | 710           | 715         | 720          | rBV      | 106            | 106           | 0.00%           | 0.000%        |
| 15        | 3.441       | 728           | 731         | 736          | rVB2     | 118            | 89            | 0.00%           | 0.000%        |
| 16        | 3.492       | 742           | 747         | 749          | rBV2     | 207            | 147           | 0.00%           | 0.000%        |
| 17        | 3.605       | 779           | 782         | 784          | rVV      | 91             | 49            | 0.00%           | 0.000%        |
| 18        | 3.659       | 796           | 799         | 802          | rVB      | 114            | 61            | 0.00%           | 0.000%        |
| 19        | 3.717       | 814           | 817         | 822          | rVB2     | 88             | 69            | 0.00%           | 0.000%        |
| 20        | 3.839       | 851           | 855         | 858          | rBV2     | 107            | 75            | 0.00%           | 0.000%        |
| 21        | 3.936       | 868           | 885         | 913          | rBV2     | 157616         | 486405        | 1.19%           | 0.991%        |
| 22        | 4.376       | 1005          | 1022        | 1053         | rBV      | 160961         | 395471        | 0.97%           | 0.805%        |
| 23        | 4.566       | 1079          | 1081        | 1084         | rBV2     | 294            | 157           | 0.00%           | 0.000%        |
| 24        | 4.585       | 1085          | 1087        | 1090         | rVB2     | 214            | 79            | 0.00%           | 0.000%        |
| 25        | 4.614       | 1090          | 1096        | 1098         | rVB2     | 189            | 132           | 0.00%           | 0.000%        |
| 26        | 4.646       | 1103          | 1106        | 1108         | rBV2     | 264            | 191           | 0.00%           | 0.000%        |
| 27        | 4.759       | 1138          | 1141        | 1144         | rBV      | 136            | 106           | 0.00%           | 0.000%        |
| 28        | 4.872       | 1173          | 1176        | 1179         | rVB      | 102            | 70            | 0.00%           | 0.000%        |
| 29        | 4.891       | 1179          | 1182        | 1188         | rBV2     | 114            | 119           | 0.00%           | 0.000%        |
| 30        | 4.987       | 1208          | 1212        | 1218         | rBV      | 119            | 110           | 0.00%           | 0.000%        |
| 31        | 5.074       | 1221          | 1239        | 1267         | rBV2     | 392902         | 1002376       | 2.46%           | 2.041%        |
| 32        | 5.412       | 1340          | 1344        | 1347         | rBV3     | 187            | 119           | 0.00%           | 0.000%        |
| 33        | 5.428       | 1347          | 1349        | 1351         | rBV      | 160            | 64            | 0.00%           | 0.000%        |
| 34        | 5.447       | 1351          | 1355        | 1358         | rBV2     | 199            | 133           | 0.00%           | 0.000%        |

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 Title : VOC Analysis

|    |       |      |      |      |      |          |          |         |         |
|----|-------|------|------|------|------|----------|----------|---------|---------|
| 35 | 5.518 | 1373 | 1377 | 1380 | rBV2 | 236      | 268      | 0.00%   | 0.001%  |
| 36 | 5.643 | 1399 | 1416 | 1450 | rBV  | 341961   | 679959   | 1.67%   | 1.385%  |
| 37 | 5.942 | 1490 | 1509 | 1544 | rBV  | 21202880 | 40829237 | 100.00% | 83.144% |
| 38 | 6.097 | 1548 | 1557 | 1587 | rVB  | 231280   | 473934   | 1.16%   | 0.965%  |
| 39 | 7.010 | 1830 | 1841 | 1864 | rBV  | 126594   | 225226   | 0.55%   | 0.459%  |
| 40 | 7.338 | 1931 | 1943 | 1968 | rBV  | 459665   | 784964   | 1.92%   | 1.598%  |
| 41 | 7.582 | 2016 | 2019 | 2021 | rBV2 | 180      | 131      | 0.00%   | 0.000%  |
| 42 | 7.643 | 2028 | 2038 | 2065 | rBV  | 90148    | 157021   | 0.38%   | 0.320%  |
| 43 | 7.794 | 2082 | 2085 | 2088 | rBV2 | 235      | 193      | 0.00%   | 0.000%  |
| 44 | 7.855 | 2099 | 2104 | 2107 | rBV2 | 191      | 190      | 0.00%   | 0.000%  |
| 45 | 7.881 | 2107 | 2112 | 2115 | rBV2 | 218      | 233      | 0.00%   | 0.000%  |
| 46 | 7.968 | 2130 | 2139 | 2141 | rBV3 | 506      | 834      | 0.00%   | 0.002%  |
| 47 | 8.000 | 2141 | 2149 | 2162 | rVB3 | 8481     | 13933    | 0.03%   | 0.028%  |
| 48 | 8.109 | 2173 | 2183 | 2222 | rBV  | 225170   | 417914   | 1.02%   | 0.851%  |
| 49 | 8.392 | 2265 | 2271 | 2272 | rBV2 | 215      | 185      | 0.00%   | 0.000%  |
| 50 | 8.444 | 2284 | 2287 | 2291 | rVB3 | 346      | 240      | 0.00%   | 0.000%  |
| 51 | 8.495 | 2298 | 2303 | 2304 | rBV  | 188      | 162      | 0.00%   | 0.000%  |
| 52 | 8.595 | 2331 | 2334 | 2337 | rVB2 | 200      | 120      | 0.00%   | 0.000%  |
| 53 | 8.627 | 2342 | 2344 | 2348 | rVB2 | 153      | 116      | 0.00%   | 0.000%  |
| 54 | 8.691 | 2361 | 2364 | 2366 | rVB  | 196      | 119      | 0.00%   | 0.000%  |
| 55 | 8.711 | 2366 | 2370 | 2372 | rBV3 | 188      | 126      | 0.00%   | 0.000%  |
| 56 | 8.778 | 2389 | 2391 | 2397 | rVB  | 183      | 196      | 0.00%   | 0.000%  |
| 57 | 8.875 | 2408 | 2421 | 2451 | rBV  | 524020   | 847824   | 2.08%   | 1.726%  |
| 58 | 9.080 | 2482 | 2485 | 2487 | rBV  | 155      | 89       | 0.00%   | 0.000%  |
| 59 | 9.170 | 2507 | 2513 | 2516 | rBV2 | 399      | 392      | 0.00%   | 0.001%  |
| 60 | 9.222 | 2527 | 2529 | 2532 | rBV2 | 218      | 112      | 0.00%   | 0.000%  |
| 61 | 9.241 | 2532 | 2535 | 2536 | rBV2 | 314      | 173      | 0.00%   | 0.000%  |
| 62 | 9.312 | 2554 | 2557 | 2561 | rVB3 | 186      | 155      | 0.00%   | 0.000%  |
| 63 | 9.367 | 2572 | 2574 | 2577 | rVB2 | 147      | 68       | 0.00%   | 0.000%  |
| 64 | 9.389 | 2577 | 2581 | 2582 | rBV2 | 99       | 73       | 0.00%   | 0.000%  |
| 65 | 9.466 | 2603 | 2605 | 2607 | rBV2 | 197      | 116      | 0.00%   | 0.000%  |
| 66 | 9.521 | 2620 | 2622 | 2626 | rBV2 | 182      | 109      | 0.00%   | 0.000%  |
| 67 | 9.659 | 2663 | 2665 | 2667 | rVB  | 157      | 63       | 0.00%   | 0.000%  |
| 68 | 9.678 | 2668 | 2671 | 2673 | rBV2 | 120      | 80       | 0.00%   | 0.000%  |
| 69 | 9.711 | 2677 | 2681 | 2689 | rVB2 | 85       | 105      | 0.00%   | 0.000%  |
| 70 | 9.756 | 2689 | 2695 | 2699 | rBV2 | 182      | 287      | 0.00%   | 0.001%  |
| 71 | 9.955 | 2753 | 2757 | 2761 | rBV  | 219      | 222      | 0.00%   | 0.000%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
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|     |        |      |      |      |      |        |        |       |        |
|-----|--------|------|------|------|------|--------|--------|-------|--------|
| 72  | 10.000 | 2769 | 2771 | 2774 | rVB  | 196    | 94     | 0.00% | 0.000% |
| 73  | 10.026 | 2774 | 2779 | 2784 | rBV  | 135    | 140    | 0.00% | 0.000% |
| 74  | 10.051 | 2784 | 2787 | 2790 | rBV  | 147    | 88     | 0.00% | 0.000% |
| 75  | 10.167 | 2821 | 2823 | 2825 | rBV2 | 100    | 55     | 0.00% | 0.000% |
| 76  | 10.238 | 2832 | 2845 | 2869 | rBV  | 278232 | 434875 | 1.07% | 0.886% |
| 77  | 10.366 | 2883 | 2885 | 2889 | rVB  | 128    | 56     | 0.00% | 0.000% |
| 78  | 10.405 | 2889 | 2897 | 2898 | rBV2 | 703    | 830    | 0.00% | 0.002% |
| 79  | 10.463 | 2910 | 2915 | 2918 | rBV3 | 173    | 161    | 0.00% | 0.000% |
| 80  | 10.534 | 2935 | 2937 | 2939 | rBB  | 120    | 47     | 0.00% | 0.000% |
| 81  | 10.704 | 2987 | 2990 | 2995 | rVB2 | 168    | 137    | 0.00% | 0.000% |
| 82  | 10.733 | 2995 | 2999 | 3000 | rBV  | 218    | 152    | 0.00% | 0.000% |
| 83  | 10.804 | 3014 | 3021 | 3027 | rBV2 | 162    | 265    | 0.00% | 0.001% |
| 84  | 10.849 | 3033 | 3035 | 3038 | rVB  | 183    | 78     | 0.00% | 0.000% |
| 85  | 10.939 | 3057 | 3063 | 3066 | rBV3 | 266    | 254    | 0.00% | 0.001% |
| 86  | 11.006 | 3081 | 3084 | 3087 | rVB2 | 189    | 92     | 0.00% | 0.000% |
| 87  | 11.026 | 3087 | 3090 | 3092 | rBV2 | 152    | 67     | 0.00% | 0.000% |
| 88  | 11.116 | 3113 | 3118 | 3128 | rBV3 | 343    | 524    | 0.00% | 0.001% |
| 89  | 11.183 | 3137 | 3139 | 3144 | rVB2 | 206    | 116    | 0.00% | 0.000% |
| 90  | 11.212 | 3144 | 3148 | 3153 | rVB2 | 350    | 291    | 0.00% | 0.001% |
| 91  | 11.270 | 3154 | 3166 | 3196 | rBV  | 542832 | 818985 | 2.01% | 1.668% |
| 92  | 11.559 | 3248 | 3256 | 3262 | rBV5 | 2857   | 4420   | 0.01% | 0.009% |
| 93  | 11.646 | 3271 | 3283 | 3305 | rBV  | 497509 | 774201 | 1.90% | 1.577% |
| 94  | 11.910 | 3362 | 3365 | 3369 | rBV  | 244    | 163    | 0.00% | 0.000% |
| 95  | 12.100 | 3419 | 3424 | 3427 | rBV3 | 235    | 224    | 0.00% | 0.000% |
| 96  | 12.116 | 3427 | 3429 | 3431 | rVV  | 205    | 95     | 0.00% | 0.000% |
| 97  | 12.132 | 3431 | 3434 | 3438 | rVB2 | 314    | 232    | 0.00% | 0.000% |
| 98  | 12.373 | 3506 | 3509 | 3513 | rBV  | 438    | 246    | 0.00% | 0.001% |
| 99  | 12.427 | 3525 | 3526 | 3528 | rVB  | 265    | 52     | 0.00% | 0.000% |
| 100 | 13.289 | 3791 | 3794 | 3801 | rVB3 | 282    | 293    | 0.00% | 0.001% |

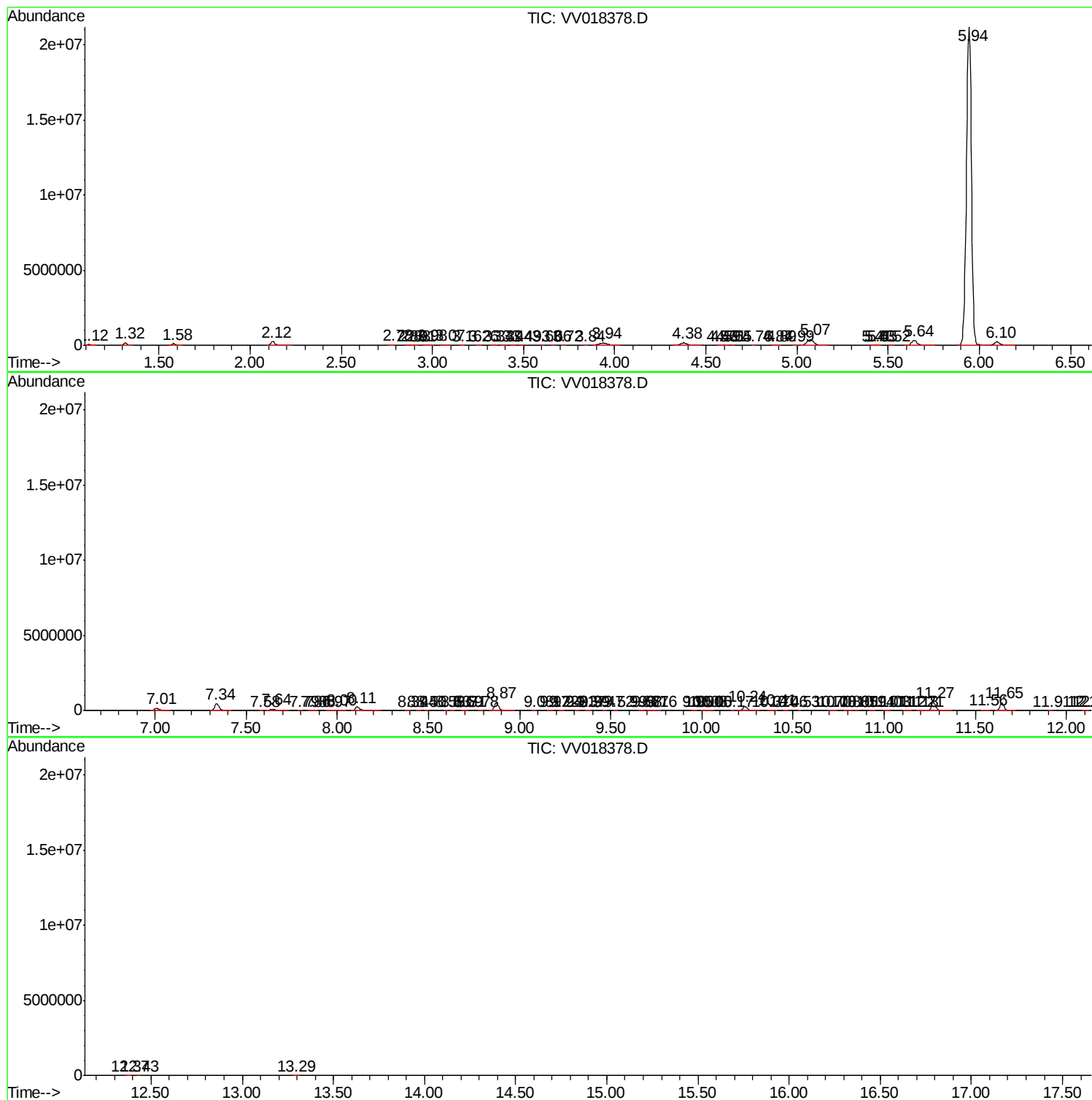
Sum of corrected areas: 49106841

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
Quant Title : VOC Analysis

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



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Quant Title : VOC Analysis

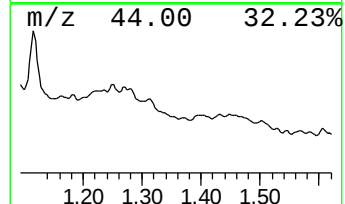
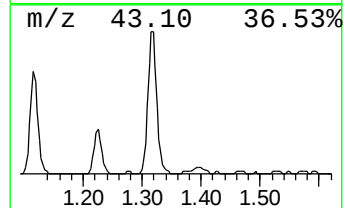
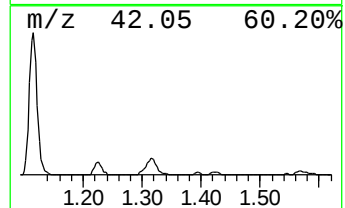
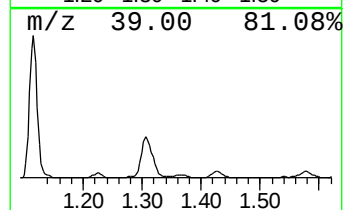
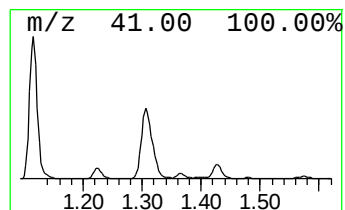
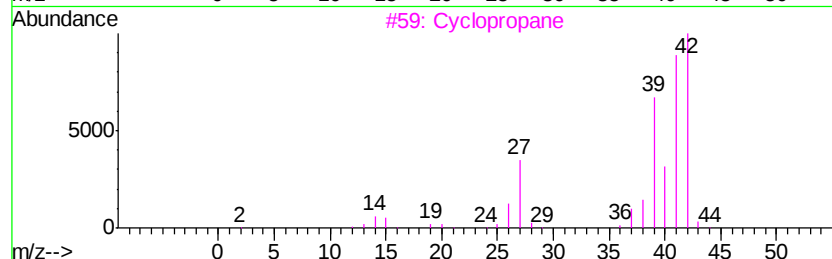
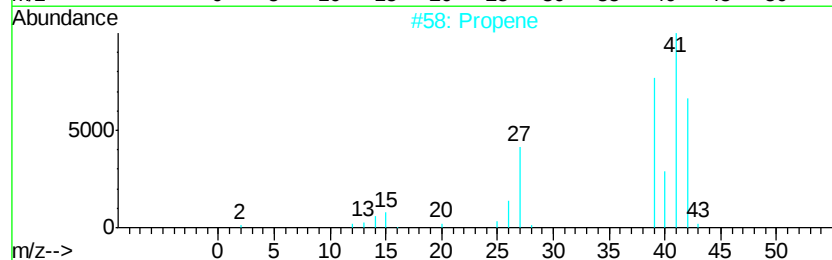
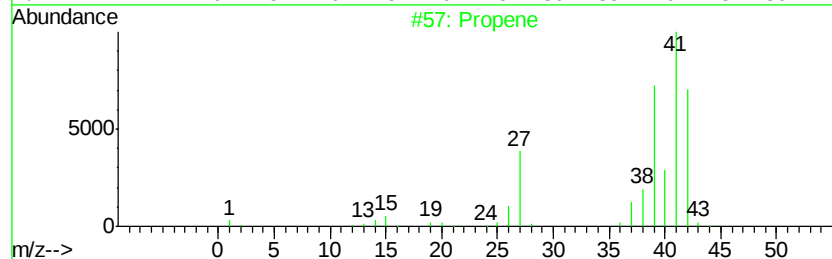
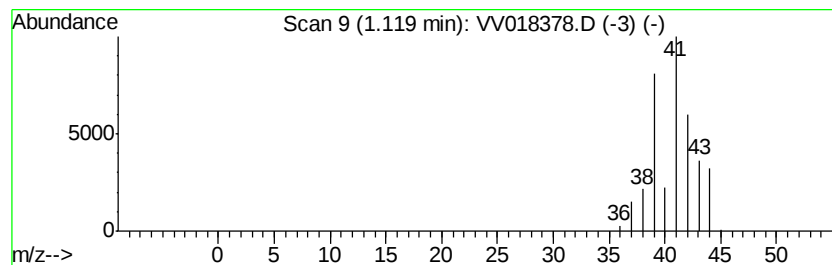
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.12 | 3.73 ug/L | 50695 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|--------------|----|---------|-------------|------|
| 1    | 5  | Propene      | 42 | C3H6    | 000115-07-1 | 90   |
| 2    |    | Propene      | 42 | C3H6    | 000115-07-1 | 42   |
| 3    |    | Cyclopropane | 42 | C3H6    | 000075-19-4 | 40   |
| 4    |    | Cyclopropane | 42 | C3H6    | 000075-19-4 | 7    |
| 5    |    | Cyclopropene | 40 | C3H4    | 002781-85-3 | 5    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.12 | 3.7     | ug/L  | 50695    | 1                     | 5.64 | 679959 | 50.0 |