

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100820\  
 Data File : VV018764.D  
 Acq On : 08 Oct 2020 14:49  
 Operator : SY/MD  
 Sample : L4284-01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3P3

## 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\SOMVLM092920WMA.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           | 22           | rVB      | 143676         | 131438        | 7.97%           | 1.146%        |
| 2         | 1.315       | 62            | 70          | 82           | rVB2     | 180913         | 205614        | 12.47%          | 1.793%        |
| 3         | 1.579       | 145           | 152         | 163          | rVB      | 132519         | 154948        | 9.40%           | 1.352%        |
| 4         | 2.123       | 311           | 321         | 335          | rBV      | 270304         | 411539        | 24.96%          | 3.590%        |
| 5         | 2.753       | 513           | 517         | 519          | rBV2     | 647            | 448           | 0.03%           | 0.004%        |
| 6         | 2.888       | 558           | 559         | 564          | rBV2     | 324            | 270           | 0.02%           | 0.002%        |
| 7         | 2.923       | 565           | 570         | 575          | rBV5     | 576            | 492           | 0.03%           | 0.004%        |
| 8         | 2.981       | 576           | 588         | 600          | rVV7     | 4466           | 9441          | 0.57%           | 0.082%        |
| 9         | 3.148       | 635           | 640         | 645          | rBV2     | 475            | 438           | 0.03%           | 0.004%        |
| 10        | 3.184       | 649           | 651         | 652          | rBV      | 519            | 185           | 0.01%           | 0.002%        |
| 11        | 3.351       | 698           | 703         | 705          | rBV2     | 418            | 315           | 0.02%           | 0.003%        |
| 12        | 3.376       | 709           | 711         | 712          | rBV      | 371            | 166           | 0.01%           | 0.001%        |
| 13        | 3.393       | 712           | 716         | 718          | rVB2     | 507            | 309           | 0.02%           | 0.003%        |
| 14        | 3.409       | 718           | 721         | 724          | rBV2     | 336            | 289           | 0.02%           | 0.003%        |
| 15        | 3.695       | 807           | 810         | 813          | rBV4     | 656            | 454           | 0.03%           | 0.004%        |
| 16        | 3.843       | 854           | 856         | 861          | rBV3     | 506            | 349           | 0.02%           | 0.003%        |
| 17        | 3.907       | 865           | 876         | 910          | rBV      | 83478          | 260815        | 15.82%          | 2.275%        |
| 18        | 4.286       | 986           | 994         | 1005         | rBV9     | 2282           | 4676          | 0.28%           | 0.041%        |
| 19        | 4.376       | 1007          | 1022        | 1044         | rVV      | 196595         | 483232        | 29.31%          | 4.215%        |
| 20        | 4.772       | 1143          | 1145        | 1146         | rBV      | 489            | 231           | 0.01%           | 0.002%        |
| 21        | 4.862       | 1170          | 1173        | 1175         | rBV2     | 424            | 293           | 0.02%           | 0.003%        |
| 22        | 4.946       | 1197          | 1199        | 1200         | rBV2     | 354            | 133           | 0.01%           | 0.001%        |
| 23        | 5.071       | 1220          | 1238        | 1274         | rBV2     | 488240         | 1287307       | 78.09%          | 11.229%       |
| 24        | 5.357       | 1325          | 1327        | 1328         | rBV      | 662            | 302           | 0.02%           | 0.003%        |
| 25        | 5.466       | 1358          | 1361        | 1364         | rBV3     | 415            | 375           | 0.02%           | 0.003%        |
| 26        | 5.527       | 1376          | 1380        | 1382         | rBV4     | 903            | 572           | 0.03%           | 0.005%        |
| 27        | 5.640       | 1401          | 1415        | 1440         | rBV      | 407306         | 811807        | 49.25%          | 7.081%        |
| 28        | 5.868       | 1482          | 1486        | 1489         | rBV3     | 679            | 443           | 0.03%           | 0.004%        |
| 29        | 5.888       | 1489          | 1492        | 1493         | rBV2     | 463            | 343           | 0.02%           | 0.003%        |
| 30        | 5.936       | 1493          | 1507        | 1541         | rVB4     | 191677         | 417323        | 25.32%          | 3.640%        |
| 31        | 6.093       | 1541          | 1556        | 1582         | rBV      | 260813         | 532119        | 32.28%          | 4.641%        |
| 32        | 6.341       | 1625          | 1633        | 1648         | rVB6     | 4849           | 9407          | 0.57%           | 0.082%        |
| 33        | 6.463       | 1669          | 1671        | 1676         | rVB3     | 738            | 480           | 0.03%           | 0.004%        |
| 34        | 6.508       | 1682          | 1685        | 1688         | rVB      | 457            | 209           | 0.01%           | 0.002%        |

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 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 6.524  | 1688 | 1690 | 1694 | rBV  | 412    | 305     | 0.02%   | 0.003%  |
| 36 | 6.540  | 1694 | 1695 | 1699 | rVB3 | 394    | 259     | 0.02%   | 0.002%  |
| 37 | 6.572  | 1701 | 1705 | 1708 | rVB  | 404    | 347     | 0.02%   | 0.003%  |
| 38 | 6.595  | 1708 | 1712 | 1713 | rBV2 | 595    | 313     | 0.02%   | 0.003%  |
| 39 | 6.736  | 1754 | 1756 | 1759 | rBV2 | 399    | 202     | 0.01%   | 0.002%  |
| 40 | 6.759  | 1759 | 1763 | 1764 | rVV2 | 399    | 313     | 0.02%   | 0.003%  |
| 41 | 6.785  | 1768 | 1771 | 1775 | rBV2 | 453    | 402     | 0.02%   | 0.004%  |
| 42 | 6.820  | 1779 | 1782 | 1783 | rBV2 | 340    | 192     | 0.01%   | 0.002%  |
| 43 | 6.862  | 1793 | 1795 | 1797 | rBV  | 421    | 165     | 0.01%   | 0.001%  |
| 44 | 6.913  | 1809 | 1811 | 1814 | rBV3 | 410    | 256     | 0.02%   | 0.002%  |
| 45 | 6.945  | 1814 | 1821 | 1822 | rBV3 | 499    | 483     | 0.03%   | 0.004%  |
| 46 | 7.007  | 1829 | 1840 | 1861 | rBV  | 142046 | 257951  | 15.65%  | 2.250%  |
| 47 | 7.338  | 1930 | 1943 | 1962 | rBV  | 510282 | 879246  | 53.34%  | 7.669%  |
| 48 | 7.643  | 2028 | 2038 | 2063 | rBV  | 99237  | 174659  | 10.60%  | 1.523%  |
| 49 | 7.929  | 2124 | 2127 | 2129 | rBV2 | 370    | 187     | 0.01%   | 0.002%  |
| 50 | 7.997  | 2134 | 2148 | 2171 | rVV  | 988444 | 1648478 | 100.00% | 14.379% |
| 51 | 8.106  | 2173 | 2182 | 2221 | rVV2 | 208424 | 459008  | 27.84%  | 4.004%  |
| 52 | 8.566  | 2323 | 2325 | 2329 | rBV2 | 374    | 290     | 0.02%   | 0.003%  |
| 53 | 8.624  | 2342 | 2343 | 2346 | rBV  | 418    | 168     | 0.01%   | 0.001%  |
| 54 | 8.791  | 2392 | 2395 | 2399 | rBV3 | 421    | 387     | 0.02%   | 0.003%  |
| 55 | 8.871  | 2405 | 2420 | 2451 | rBV  | 630162 | 1023561 | 62.09%  | 8.928%  |
| 56 | 9.125  | 2496 | 2499 | 2501 | rBV  | 292    | 198     | 0.01%   | 0.002%  |
| 57 | 9.167  | 2504 | 2512 | 2526 | rVB3 | 5507   | 10017   | 0.61%   | 0.087%  |
| 58 | 9.354  | 2568 | 2570 | 2572 | rVV3 | 307    | 144     | 0.01%   | 0.001%  |
| 59 | 9.386  | 2576 | 2580 | 2583 | rBV2 | 760    | 491     | 0.03%   | 0.004%  |
| 60 | 9.405  | 2583 | 2586 | 2589 | rBV2 | 597    | 473     | 0.03%   | 0.004%  |
| 61 | 9.624  | 2652 | 2654 | 2656 | rBV  | 345    | 233     | 0.01%   | 0.002%  |
| 62 | 9.666  | 2665 | 2667 | 2672 | rBV3 | 656    | 464     | 0.03%   | 0.004%  |
| 63 | 9.743  | 2685 | 2691 | 2692 | rBV2 | 881    | 761     | 0.05%   | 0.007%  |
| 64 | 9.781  | 2701 | 2703 | 2707 | rBV  | 234    | 178     | 0.01%   | 0.002%  |
| 65 | 9.842  | 2713 | 2722 | 2727 | rBV7 | 3392   | 5597    | 0.34%   | 0.049%  |
| 66 | 9.952  | 2745 | 2756 | 2757 | rBV5 | 2626   | 3100    | 0.19%   | 0.027%  |
| 67 | 9.997  | 2766 | 2770 | 2773 | rBV2 | 418    | 328     | 0.02%   | 0.003%  |
| 68 | 10.029 | 2778 | 2780 | 2786 | rVB2 | 365    | 233     | 0.01%   | 0.002%  |
| 69 | 10.061 | 2787 | 2790 | 2793 | rVB2 | 264    | 177     | 0.01%   | 0.002%  |
| 70 | 10.096 | 2798 | 2801 | 2805 | rBV2 | 511    | 435     | 0.03%   | 0.004%  |
| 71 | 10.177 | 2823 | 2826 | 2829 | rBV2 | 280    | 222     | 0.01%   | 0.002%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
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|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.238 | 2833 | 2845 | 2864 | rVV  | 269084 | 420644 | 25.52% | 3.669% |
| 73  | 10.434 | 2904 | 2906 | 2907 | rBV  | 491    | 230    | 0.01%  | 0.002% |
| 74  | 10.469 | 2914 | 2917 | 2919 | rBV  | 580    | 383    | 0.02%  | 0.003% |
| 75  | 10.495 | 2923 | 2925 | 2927 | rBV  | 702    | 305    | 0.02%  | 0.003% |
| 76  | 10.711 | 2988 | 2992 | 2993 | rBV  | 371    | 276    | 0.02%  | 0.002% |
| 77  | 10.756 | 3004 | 3006 | 3007 | rBV  | 388    | 139    | 0.01%  | 0.001% |
| 78  | 10.785 | 3013 | 3015 | 3017 | rBV  | 375    | 184    | 0.01%  | 0.002% |
| 79  | 10.813 | 3022 | 3024 | 3027 | rBV3 | 400    | 267    | 0.02%  | 0.002% |
| 80  | 10.903 | 3050 | 3052 | 3056 | rBV2 | 283    | 188    | 0.01%  | 0.002% |
| 81  | 10.932 | 3059 | 3061 | 3063 | rBV  | 316    | 225    | 0.01%  | 0.002% |
| 82  | 11.058 | 3097 | 3100 | 3101 | rBV  | 500    | 250    | 0.02%  | 0.002% |
| 83  | 11.270 | 3155 | 3166 | 3191 | rVV  | 628148 | 952632 | 57.79% | 8.309% |
| 84  | 11.505 | 3237 | 3239 | 3242 | rBV  | 334    | 199    | 0.01%  | 0.002% |
| 85  | 11.556 | 3247 | 3255 | 3271 | rVV3 | 12423  | 23206  | 1.41%  | 0.202% |
| 86  | 11.646 | 3271 | 3283 | 3307 | rVB  | 546936 | 854007 | 51.81% | 7.449% |
| 87  | 11.836 | 3339 | 3342 | 3343 | rBV  | 508    | 278    | 0.02%  | 0.002% |
| 88  | 12.016 | 3396 | 3398 | 3402 | rBV3 | 508    | 342    | 0.02%  | 0.003% |
| 89  | 12.154 | 3439 | 3441 | 3443 | rBV  | 485    | 232    | 0.01%  | 0.002% |
| 90  | 12.260 | 3472 | 3474 | 3476 | rBV  | 658    | 297    | 0.02%  | 0.003% |
| 91  | 12.325 | 3491 | 3494 | 3495 | rBV  | 372    | 150    | 0.01%  | 0.001% |
| 92  | 12.373 | 3500 | 3509 | 3519 | rBV6 | 6623   | 10812  | 0.66%  | 0.094% |
| 93  | 12.456 | 3531 | 3535 | 3536 | rBV  | 421    | 280    | 0.02%  | 0.002% |
| 94  | 12.672 | 3599 | 3602 | 3606 | rBV2 | 403    | 363    | 0.02%  | 0.003% |
| 95  | 12.756 | 3625 | 3628 | 3629 | rBV2 | 402    | 203    | 0.01%  | 0.002% |
| 96  | 12.807 | 3642 | 3644 | 3647 | rBV  | 481    | 230    | 0.01%  | 0.002% |
| 97  | 13.055 | 3718 | 3721 | 3724 | rBV2 | 410    | 341    | 0.02%  | 0.003% |
| 98  | 13.119 | 3738 | 3741 | 3742 | rBV2 | 475    | 295    | 0.02%  | 0.003% |
| 99  | 13.167 | 3754 | 3756 | 3761 | rBV2 | 501    | 371    | 0.02%  | 0.003% |
| 100 | 13.514 | 3862 | 3864 | 3866 | rBV  | 554    | 322    | 0.02%  | 0.003% |

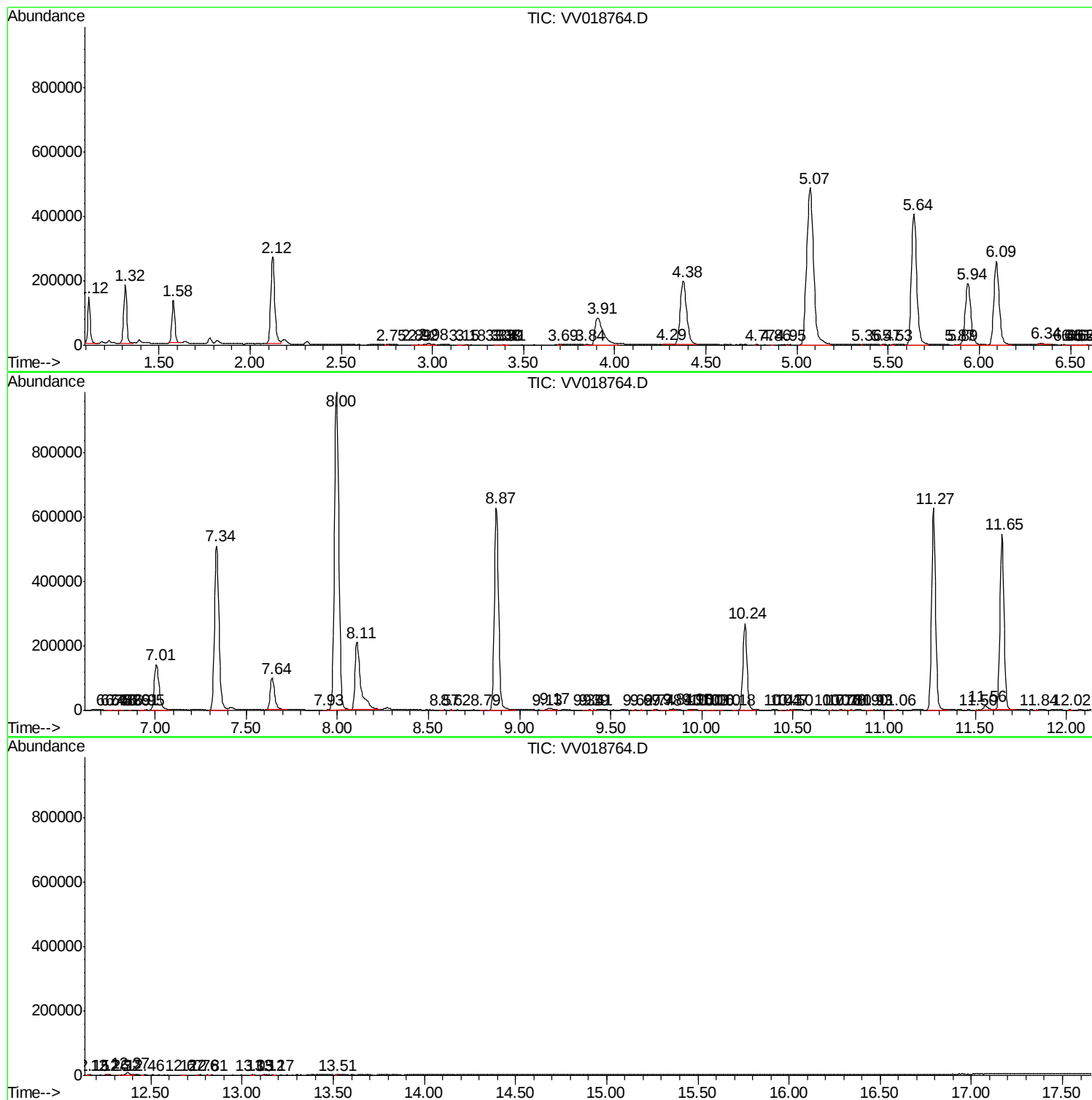
Sum of corrected areas: 11464636

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092920WMA.M  
Quant Title : VOC Analysis

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



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Quant Title : VOC Analysis

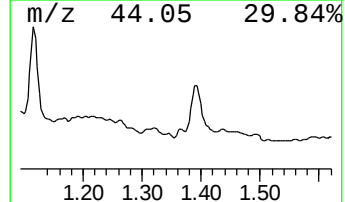
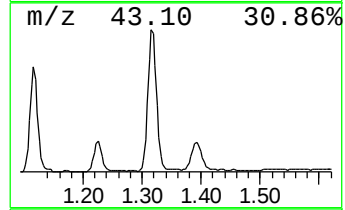
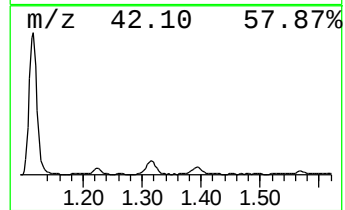
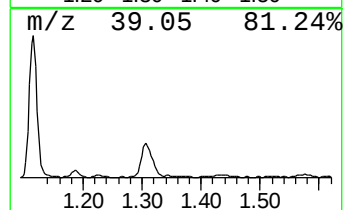
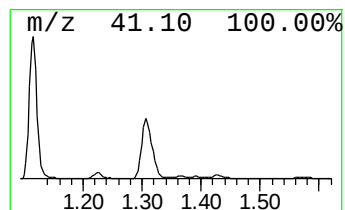
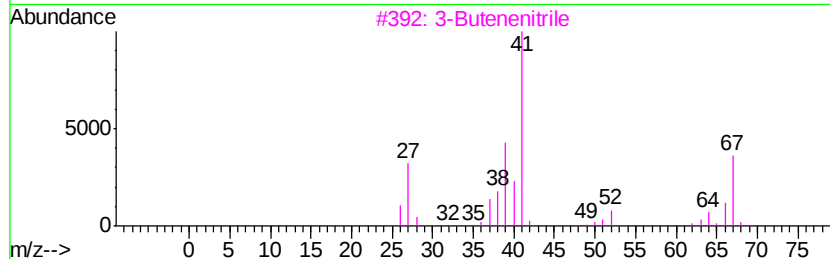
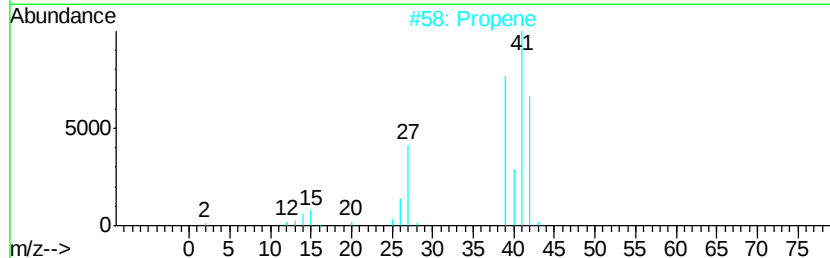
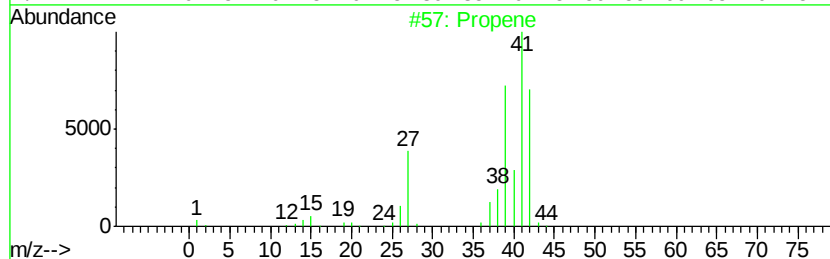
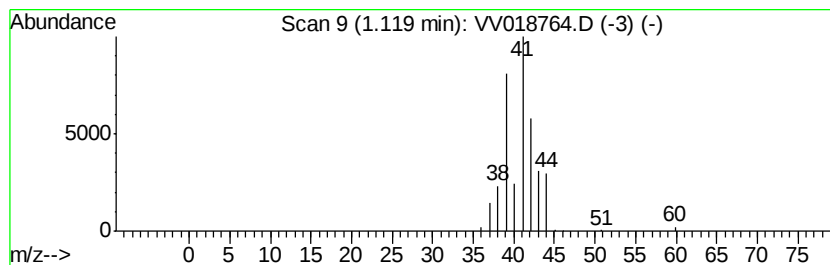
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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 | 8.10 ug/L | 131438 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | Propene         | 42 | C3H6    | 000115-07-1 | 90   |
| 2    |    |   | Propene         | 42 | C3H6    | 000115-07-1 | 42   |
| 3    |    |   | 3-Butenenitrile | 67 | C4H5N   | 000109-75-1 | 9    |
| 4    |    |   | 2-Butenenitrile | 67 | C4H5N   | 004786-20-3 | 9    |
| 5    |    |   | 2-Butenenitrile | 67 | C4H5N   | 004786-20-3 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.12 | 8.1     | ug/L  | 131438   | 1                     | 5.64 | 811807 | 50.0 |