

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091420\  
 Data File : VV018210.D  
 Acq On : 14 Sep 2020 17:42  
 Operator : SY/MD  
 Sample : L4012-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWR9

## 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 # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.116    | 3          | 8        | 15        | rBV   | 209002      | 181260     | 15.93%       | 2.002%     |
| 2      | 1.315    | 62         | 70       | 82        | rVB2  | 191766      | 236373     | 20.77%       | 2.611%     |
| 3      | 1.579    | 145        | 152      | 164       | rBV   | 129353      | 146880     | 12.91%       | 1.622%     |
| 4      | 1.782    | 209        | 215      | 221       | rBV   | 14779       | 17559      | 1.54%        | 0.194%     |
| 5      | 1.823    | 223        | 228      | 240       | rVB3  | 11966       | 18859      | 1.66%        | 0.208%     |
| 6      | 1.997    | 278        | 282      | 290       | rVB   | 6753        | 7343       | 0.65%        | 0.081%     |
| 7      | 2.126    | 311        | 322      | 341       | rBV   | 243904      | 374288     | 32.89%       | 4.134%     |
| 8      | 2.319    | 375        | 382      | 386       | rBV2  | 545         | 825        | 0.07%        | 0.009%     |
| 9      | 2.367    | 391        | 397      | 403       | rBV6  | 1331        | 2114       | 0.19%        | 0.023%     |
| 10     | 2.788    | 516        | 528      | 543       | rVB2  | 4648        | 9893       | 0.87%        | 0.109%     |
| 11     | 2.933    | 568        | 573      | 575       | rVV   | 162         | 151        | 0.01%        | 0.002%     |
| 12     | 2.975    | 575        | 586      | 598       | rVV3  | 3771        | 8483       | 0.75%        | 0.094%     |
| 13     | 3.065    | 602        | 614      | 625       | rVV5  | 2183        | 4186       | 0.37%        | 0.046%     |
| 14     | 3.174    | 646        | 648      | 658       | rBB2  | 341         | 288        | 0.03%        | 0.003%     |
| 15     | 3.238    | 663        | 668      | 670       | rBV2  | 502         | 432        | 0.04%        | 0.005%     |
| 16     | 3.309    | 687        | 690      | 697       | rBV2  | 116         | 144        | 0.01%        | 0.002%     |
| 17     | 3.431    | 722        | 728      | 730       | rBV2  | 139         | 126        | 0.01%        | 0.001%     |
| 18     | 3.492    | 743        | 747      | 762       | rVB5  | 923         | 1177       | 0.10%        | 0.013%     |
| 19     | 3.746    | 822        | 826      | 829       | rBV2  | 170         | 152        | 0.01%        | 0.002%     |
| 20     | 3.913    | 866        | 878      | 911       | rBV   | 80017       | 231943     | 20.38%       | 2.562%     |
| 21     | 4.151    | 949        | 952      | 957       | rVB4  | 326         | 257        | 0.02%        | 0.003%     |
| 22     | 4.225    | 972        | 975      | 978       | rBV   | 170         | 135        | 0.01%        | 0.001%     |
| 23     | 4.376    | 1006       | 1022     | 1049      | rBV   | 185226      | 451285     | 39.65%       | 4.984%     |
| 24     | 4.550    | 1074       | 1076     | 1081      | rVB3  | 300         | 197        | 0.02%        | 0.002%     |
| 25     | 4.675    | 1110       | 1115     | 1119      | rBV2  | 186         | 133        | 0.01%        | 0.001%     |
| 26     | 4.775    | 1141       | 1146     | 1147      | rVV   | 279         | 213        | 0.02%        | 0.002%     |
| 27     | 4.856    | 1166       | 1171     | 1177      | rBV   | 213         | 209        | 0.02%        | 0.002%     |
| 28     | 4.949    | 1197       | 1200     | 1204      | rVB2  | 473         | 286        | 0.03%        | 0.003%     |
| 29     | 5.074    | 1220       | 1239     | 1270      | rBV2  | 440337      | 1138059    | 100.00%      | 12.570%    |
| 30     | 5.280    | 1301       | 1303     | 1308      | rVB   | 211         | 121        | 0.01%        | 0.001%     |
| 31     | 5.351    | 1321       | 1325     | 1326      | rVV   | 316         | 223        | 0.02%        | 0.002%     |
| 32     | 5.376    | 1330       | 1333     | 1336      | rBV3  | 197         | 165        | 0.01%        | 0.002%     |
| 33     | 5.399    | 1336       | 1340     | 1343      | rVV4  | 598         | 534        | 0.05%        | 0.006%     |
| 34     | 5.418    | 1343       | 1346     | 1354      | rVV4  | 730         | 796        | 0.07%        | 0.009%     |

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 Peak separation: 5

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 5.447  | 1354 | 1355 | 1362 | rVB  | 277    | 183    | 0.02%  | 0.002% |
| 36 | 5.524  | 1371 | 1379 | 1384 | rBV2 | 382    | 593    | 0.05%  | 0.007% |
| 37 | 5.576  | 1392 | 1395 | 1398 | rVB2 | 237    | 126    | 0.01%  | 0.001% |
| 38 | 5.643  | 1401 | 1416 | 1441 | rBV  | 342555 | 675093 | 59.32% | 7.456% |
| 39 | 5.936  | 1498 | 1507 | 1509 | rBV5 | 887    | 1112   | 0.10%  | 0.012% |
| 40 | 6.093  | 1543 | 1556 | 1588 | rBV  | 259111 | 519201 | 45.62% | 5.735% |
| 41 | 6.225  | 1594 | 1597 | 1599 | rBV  | 294    | 153    | 0.01%  | 0.002% |
| 42 | 6.238  | 1599 | 1601 | 1603 | rVV2 | 204    | 125    | 0.01%  | 0.001% |
| 43 | 6.364  | 1633 | 1640 | 1643 | rVB2 | 211    | 237    | 0.02%  | 0.003% |
| 44 | 6.505  | 1680 | 1684 | 1690 | rBV2 | 135    | 145    | 0.01%  | 0.002% |
| 45 | 6.605  | 1709 | 1715 | 1721 | rVB2 | 105    | 148    | 0.01%  | 0.002% |
| 46 | 6.663  | 1728 | 1733 | 1737 | rBV3 | 177    | 181    | 0.02%  | 0.002% |
| 47 | 6.711  | 1745 | 1748 | 1754 | rVB  | 144    | 146    | 0.01%  | 0.002% |
| 48 | 6.810  | 1769 | 1779 | 1781 | rBV2 | 147    | 217    | 0.02%  | 0.002% |
| 49 | 7.010  | 1829 | 1841 | 1870 | rBV  | 141929 | 258540 | 22.72% | 2.856% |
| 50 | 7.174  | 1888 | 1892 | 1896 | rBV3 | 264    | 263    | 0.02%  | 0.003% |
| 51 | 7.338  | 1931 | 1943 | 1963 | rBV  | 523347 | 882372 | 77.53% | 9.746% |
| 52 | 7.643  | 2023 | 2038 | 2060 | rBV  | 106634 | 182860 | 16.07% | 2.020% |
| 53 | 7.833  | 2094 | 2097 | 2100 | rVB2 | 231    | 147    | 0.01%  | 0.002% |
| 54 | 7.852  | 2100 | 2103 | 2109 | rVB2 | 199    | 154    | 0.01%  | 0.002% |
| 55 | 7.958  | 2130 | 2136 | 2146 | rVV2 | 432    | 684    | 0.06%  | 0.008% |
| 56 | 8.106  | 2172 | 2182 | 2220 | rBV  | 320166 | 536665 | 47.16% | 5.928% |
| 57 | 8.251  | 2225 | 2227 | 2228 | rBV  | 409    | 152    | 0.01%  | 0.002% |
| 58 | 8.270  | 2228 | 2233 | 2237 | rBV4 | 1447   | 1654   | 0.15%  | 0.018% |
| 59 | 8.447  | 2286 | 2288 | 2296 | rVB3 | 288    | 248    | 0.02%  | 0.003% |
| 60 | 8.489  | 2296 | 2301 | 2302 | rBV  | 154    | 135    | 0.01%  | 0.001% |
| 61 | 8.614  | 2335 | 2340 | 2344 | rBV2 | 148    | 177    | 0.02%  | 0.002% |
| 62 | 8.871  | 2408 | 2420 | 2453 | rBV  | 524126 | 848827 | 74.59% | 9.375% |
| 63 | 9.167  | 2505 | 2512 | 2519 | rVV3 | 1086   | 1574   | 0.14%  | 0.017% |
| 64 | 9.222  | 2525 | 2529 | 2533 | rVB  | 188    | 169    | 0.01%  | 0.002% |
| 65 | 9.450  | 2597 | 2600 | 2608 | rVB2 | 117    | 125    | 0.01%  | 0.001% |
| 66 | 9.515  | 2613 | 2620 | 2625 | rBV2 | 183    | 205    | 0.02%  | 0.002% |
| 67 | 9.566  | 2632 | 2636 | 2638 | rBV2 | 342    | 221    | 0.02%  | 0.002% |
| 68 | 9.707  | 2676 | 2680 | 2682 | rBV  | 137    | 122    | 0.01%  | 0.001% |
| 69 | 9.849  | 2714 | 2724 | 2730 | rVB4 | 769    | 922    | 0.08%  | 0.010% |
| 70 | 9.887  | 2732 | 2736 | 2741 | rBV  | 189    | 149    | 0.01%  | 0.002% |
| 71 | 10.039 | 2780 | 2783 | 2789 | rVB2 | 130    | 129    | 0.01%  | 0.001% |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
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|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.238 | 2832 | 2845 | 2865 | rBV  | 366803 | 567678 | 49.88% | 6.270% |
| 73  | 10.402 | 2889 | 2896 | 2904 | rVB4 | 582    | 919    | 0.08%  | 0.010% |
| 74  | 10.624 | 2961 | 2965 | 2970 | rBV2 | 167    | 165    | 0.01%  | 0.002% |
| 75  | 10.939 | 3059 | 3063 | 3067 | rBV2 | 341    | 361    | 0.03%  | 0.004% |
| 76  | 11.122 | 3110 | 3120 | 3125 | rBV2 | 747    | 893    | 0.08%  | 0.010% |
| 77  | 11.174 | 3130 | 3136 | 3145 | rBV5 | 2848   | 3767   | 0.33%  | 0.042% |
| 78  | 11.270 | 3155 | 3166 | 3197 | rVV  | 548766 | 822784 | 72.30% | 9.088% |
| 79  | 11.379 | 3197 | 3200 | 3205 | rVV3 | 462    | 485    | 0.04%  | 0.005% |
| 80  | 11.412 | 3208 | 3210 | 3218 | rVV2 | 361    | 412    | 0.04%  | 0.005% |
| 81  | 11.460 | 3222 | 3225 | 3227 | rVV  | 300    | 159    | 0.01%  | 0.002% |
| 82  | 11.521 | 3240 | 3244 | 3246 | rBV  | 145    | 136    | 0.01%  | 0.002% |
| 83  | 11.556 | 3246 | 3255 | 3264 | rBV3 | 2968   | 4977   | 0.44%  | 0.055% |
| 84  | 11.646 | 3270 | 3283 | 3304 | rBV  | 582976 | 884099 | 77.68% | 9.765% |
| 85  | 11.772 | 3318 | 3322 | 3324 | rVB3 | 301    | 180    | 0.02%  | 0.002% |
| 86  | 11.801 | 3328 | 3331 | 3334 | rBV2 | 178    | 141    | 0.01%  | 0.002% |
| 87  | 11.981 | 3383 | 3387 | 3391 | rBV2 | 202    | 141    | 0.01%  | 0.002% |
| 88  | 12.366 | 3498 | 3507 | 3520 | rBV4 | 9241   | 13936  | 1.22%  | 0.154% |
| 89  | 12.685 | 3602 | 3606 | 3607 | rBV2 | 422    | 251    | 0.02%  | 0.003% |
| 90  | 12.694 | 3607 | 3609 | 3612 | rVV3 | 596    | 449    | 0.04%  | 0.005% |
| 91  | 12.720 | 3615 | 3617 | 3624 | rVB2 | 203    | 204    | 0.02%  | 0.002% |
| 92  | 13.395 | 3824 | 3827 | 3830 | rBV  | 193    | 124    | 0.01%  | 0.001% |
| 93  | 13.456 | 3843 | 3846 | 3850 | rBV2 | 359    | 282    | 0.02%  | 0.003% |
| 94  | 13.543 | 3866 | 3873 | 3879 | rBV2 | 389    | 586    | 0.05%  | 0.006% |
| 95  | 13.701 | 3919 | 3922 | 3926 | rVB3 | 245    | 187    | 0.02%  | 0.002% |
| 96  | 14.042 | 4024 | 4028 | 4031 | rBV2 | 316    | 260    | 0.02%  | 0.003% |
| 97  | 14.183 | 4069 | 4072 | 4074 | rBV  | 259    | 171    | 0.02%  | 0.002% |
| 98  | 14.267 | 4095 | 4098 | 4101 | rBV2 | 215    | 122    | 0.01%  | 0.001% |
| 99  | 14.286 | 4101 | 4104 | 4109 | rVB2 | 248    | 224    | 0.02%  | 0.002% |
| 100 | 14.315 | 4109 | 4113 | 4118 | rBV2 | 386    | 472    | 0.04%  | 0.005% |

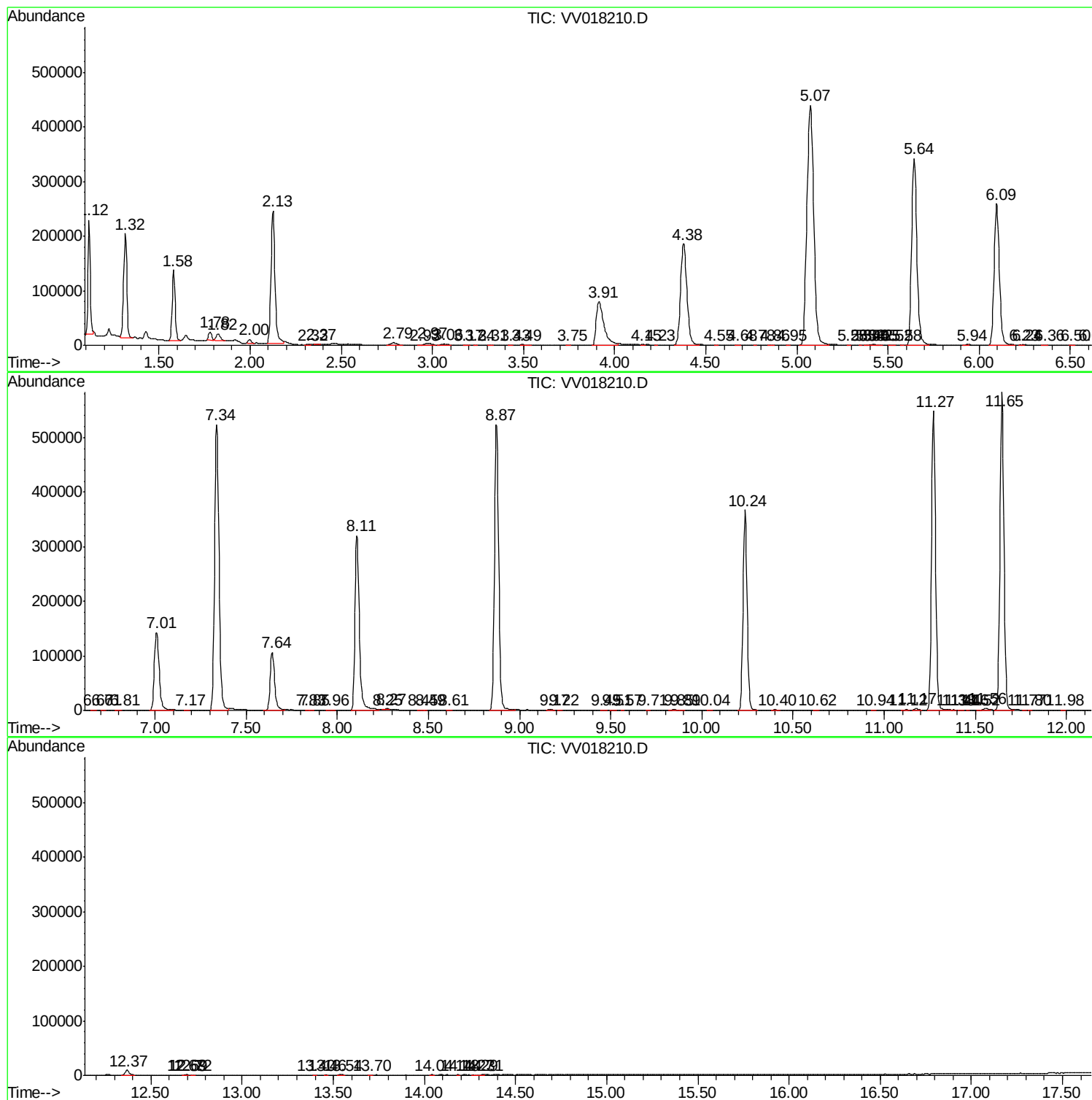
Sum of corrected areas: 9053808

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091420\  
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Quant Title : VOC Analysis

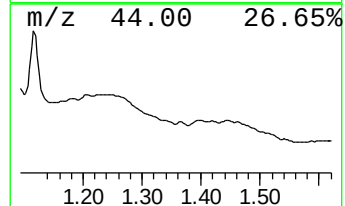
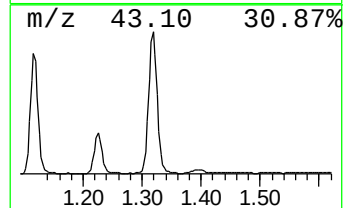
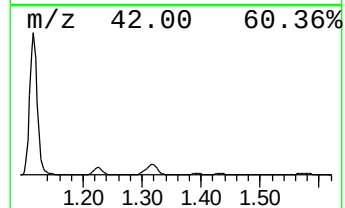
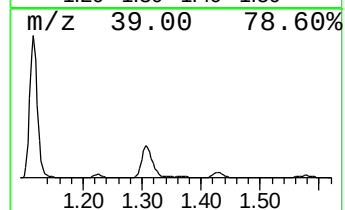
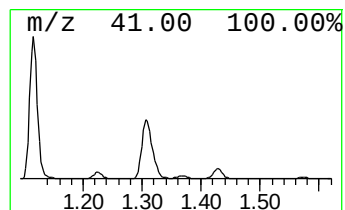
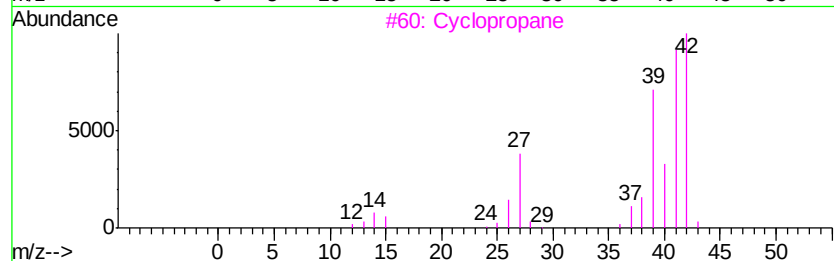
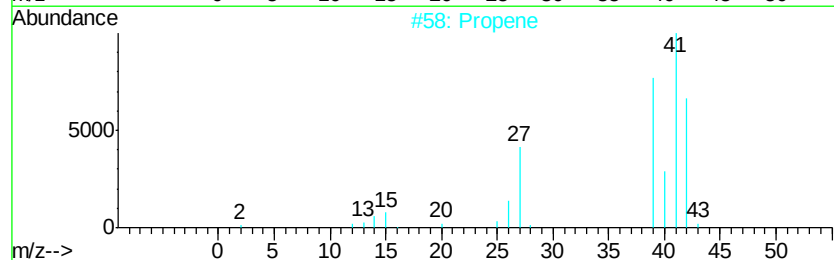
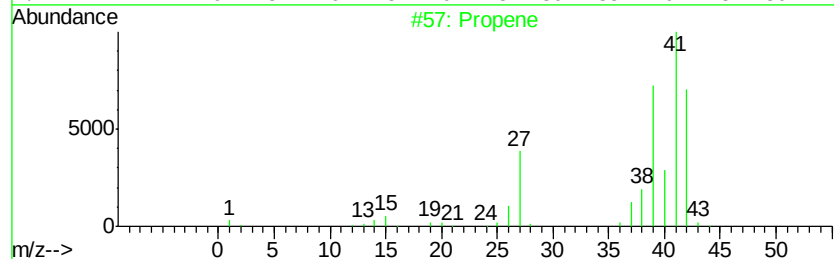
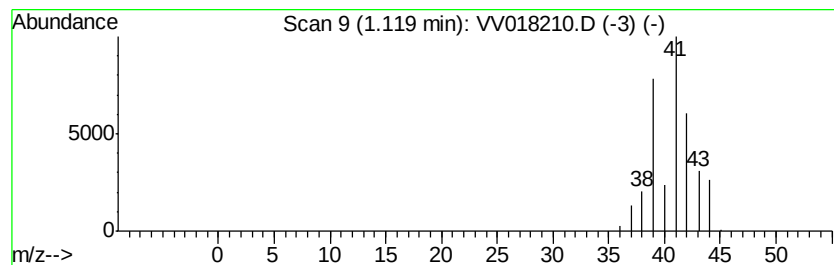
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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 | 13.42 ug/L | 181260 | 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 | 9    |
| 4    |    | Cyclopropene | 40 | C3H4    | 002781-85-3 | 9    |
| 5    |    | Cyclopropane | 42 | C3H6    | 000075-19-4 | 7    |



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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 | 13.4    | ug/L  | 181260   | 1                     | 5.64 | 675093 | 50.0 |