

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091420\  
 Data File : VV018206.D  
 Acq On : 14 Sep 2020 16:12  
 Operator : SY/MD  
 Sample : L4012-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWR4

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           | 21           | rVB      | 199235         | 177804        | 15.36%          | 1.936%        |
| 2         | 1.316       | 62            | 70          | 82           | rVB2     | 201818         | 254607        | 22.00%          | 2.772%        |
| 3         | 1.579       | 145           | 152         | 165          | rVB      | 141368         | 157947        | 13.65%          | 1.720%        |
| 4         | 1.779       | 210           | 214         | 221          | rVB      | 17304          | 19406         | 1.68%           | 0.211%        |
| 5         | 1.997       | 277           | 282         | 289          | rVB4     | 5859           | 7229          | 0.62%           | 0.079%        |
| 6         | 2.126       | 311           | 322         | 365          | rVB      | 264595         | 421292        | 36.40%          | 4.586%        |
| 7         | 2.306       | 375           | 378         | 379          | rBV2     | 611            | 389           | 0.03%           | 0.004%        |
| 8         | 2.319       | 379           | 382         | 388          | rVB5     | 807            | 803           | 0.07%           | 0.009%        |
| 9         | 2.367       | 392           | 397         | 401          | rBV3     | 989            | 1216          | 0.11%           | 0.013%        |
| 10        | 2.717       | 502           | 506         | 513          | rVB2     | 151            | 154           | 0.01%           | 0.002%        |
| 11        | 2.750       | 513           | 516         | 517          | rBV      | 326            | 143           | 0.01%           | 0.002%        |
| 12        | 2.785       | 517           | 527         | 536          | rVB4     | 1716           | 3440          | 0.30%           | 0.037%        |
| 13        | 2.836       | 536           | 543         | 547          | rVB2     | 114            | 125           | 0.01%           | 0.001%        |
| 14        | 2.859       | 547           | 550         | 555          | rVB2     | 146            | 147           | 0.01%           | 0.002%        |
| 15        | 2.920       | 563           | 569         | 573          | rBV      | 608            | 592           | 0.05%           | 0.006%        |
| 16        | 2.978       | 573           | 587         | 603          | rVB6     | 4130           | 9693          | 0.84%           | 0.106%        |
| 17        | 3.065       | 603           | 614         | 624          | rBV3     | 2009           | 3928          | 0.34%           | 0.043%        |
| 18        | 3.158       | 637           | 643         | 645          | rBV2     | 184            | 204           | 0.02%           | 0.002%        |
| 19        | 3.174       | 645           | 648         | 650          | rVB2     | 291            | 149           | 0.01%           | 0.002%        |
| 20        | 3.190       | 650           | 653         | 660          | rVB3     | 317            | 256           | 0.02%           | 0.003%        |
| 21        | 3.241       | 662           | 669         | 671          | rBV3     | 740            | 896           | 0.08%           | 0.010%        |
| 22        | 3.287       | 679           | 683         | 690          | rVB2     | 104            | 114           | 0.01%           | 0.001%        |
| 23        | 3.319       | 690           | 693         | 696          | rBV      | 170            | 121           | 0.01%           | 0.001%        |
| 24        | 3.354       | 700           | 704         | 710          | rVB2     | 160            | 183           | 0.02%           | 0.002%        |
| 25        | 3.431       | 721           | 728         | 732          | rBV2     | 91             | 123           | 0.01%           | 0.001%        |
| 26        | 3.483       | 738           | 744         | 746          | rBV2     | 1011           | 862           | 0.07%           | 0.009%        |
| 27        | 3.823       | 847           | 850         | 857          | rVB2     | 155            | 137           | 0.01%           | 0.001%        |
| 28        | 3.910       | 866           | 877         | 911          | rBV      | 80889          | 229907        | 19.87%          | 2.503%        |
| 29        | 4.377       | 1005          | 1022        | 1059         | rBV      | 186243         | 456494        | 39.45%          | 4.970%        |
| 30        | 4.547       | 1070          | 1075        | 1080         | rVB3     | 251            | 246           | 0.02%           | 0.003%        |
| 31        | 4.595       | 1085          | 1090        | 1093         | rBV2     | 177            | 146           | 0.01%           | 0.002%        |
| 32        | 4.663       | 1108          | 1111        | 1117         | rVB2     | 268            | 234           | 0.02%           | 0.003%        |
| 33        | 4.698       | 1117          | 1122        | 1129         | rBV4     | 572            | 534           | 0.05%           | 0.006%        |
| 34        | 4.775       | 1141          | 1146        | 1147         | rBV2     | 380            | 237           | 0.02%           | 0.003%        |

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 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 4.926 | 1190 | 1193 | 1195 | rBV3 | 319    | 234     | 0.02%   | 0.003%  |
| 36 | 4.952 | 1198 | 1201 | 1204 | rVB2 | 456    | 305     | 0.03%   | 0.003%  |
| 37 | 4.981 | 1204 | 1210 | 1215 | rBV2 | 110    | 138     | 0.01%   | 0.002%  |
| 38 | 5.074 | 1221 | 1239 | 1271 | rBV2 | 451989 | 1157260 | 100.00% | 12.599% |
| 39 | 5.219 | 1281 | 1284 | 1288 | rVB2 | 330    | 236     | 0.02%   | 0.003%  |
| 40 | 5.348 | 1319 | 1324 | 1327 | rBV2 | 373    | 413     | 0.04%   | 0.004%  |
| 41 | 5.380 | 1332 | 1334 | 1337 | rVB3 | 275    | 156     | 0.01%   | 0.002%  |
| 42 | 5.415 | 1337 | 1345 | 1348 | rBV5 | 1086   | 1170    | 0.10%   | 0.013%  |
| 43 | 5.473 | 1360 | 1363 | 1368 | rVB2 | 192    | 154     | 0.01%   | 0.002%  |
| 44 | 5.521 | 1374 | 1378 | 1384 | rVB3 | 438    | 498     | 0.04%   | 0.005%  |
| 45 | 5.643 | 1403 | 1416 | 1445 | rBV  | 347605 | 687173  | 59.38%  | 7.481%  |
| 46 | 5.872 | 1484 | 1487 | 1495 | rVB2 | 182    | 167     | 0.01%   | 0.002%  |
| 47 | 5.926 | 1501 | 1504 | 1506 | rBV  | 785    | 544     | 0.05%   | 0.006%  |
| 48 | 5.968 | 1515 | 1517 | 1521 | rVB2 | 253    | 122     | 0.01%   | 0.001%  |
| 49 | 5.994 | 1521 | 1525 | 1531 | rBV2 | 115    | 139     | 0.01%   | 0.002%  |
| 50 | 6.093 | 1542 | 1556 | 1587 | rBV  | 261578 | 525248  | 45.39%  | 5.718%  |
| 51 | 6.232 | 1594 | 1599 | 1600 | rBV2 | 437    | 425     | 0.04%   | 0.005%  |
| 52 | 6.306 | 1620 | 1622 | 1625 | rBV2 | 185    | 137     | 0.01%   | 0.001%  |
| 53 | 6.415 | 1653 | 1656 | 1658 | rBV2 | 203    | 137     | 0.01%   | 0.001%  |
| 54 | 6.576 | 1703 | 1706 | 1712 | rVB2 | 197    | 201     | 0.02%   | 0.002%  |
| 55 | 6.614 | 1712 | 1718 | 1723 | rBV2 | 98     | 134     | 0.01%   | 0.001%  |
| 56 | 6.650 | 1723 | 1729 | 1730 | rBV  | 148    | 127     | 0.01%   | 0.001%  |
| 57 | 6.656 | 1730 | 1731 | 1737 | rVV  | 182    | 199     | 0.02%   | 0.002%  |
| 58 | 7.010 | 1830 | 1841 | 1867 | rBV  | 145482 | 263399  | 22.76%  | 2.868%  |
| 59 | 7.200 | 1897 | 1900 | 1903 | rBV  | 299    | 238     | 0.02%   | 0.003%  |
| 60 | 7.338 | 1931 | 1943 | 1965 | rBV  | 528344 | 903674  | 78.09%  | 9.838%  |
| 61 | 7.643 | 2026 | 2038 | 2065 | rBV  | 106185 | 185004  | 15.99%  | 2.014%  |
| 62 | 7.827 | 2093 | 2095 | 2101 | rVB3 | 272    | 227     | 0.02%   | 0.002%  |
| 63 | 7.958 | 2126 | 2136 | 2146 | rVB3 | 758    | 1282    | 0.11%   | 0.014%  |
| 64 | 8.106 | 2172 | 2182 | 2218 | rBV  | 316080 | 528841  | 45.70%  | 5.757%  |
| 65 | 8.306 | 2241 | 2244 | 2246 | rBV3 | 450    | 241     | 0.02%   | 0.003%  |
| 66 | 8.415 | 2274 | 2278 | 2280 | rBV2 | 179    | 151     | 0.01%   | 0.002%  |
| 67 | 8.463 | 2291 | 2293 | 2296 | rVB2 | 394    | 184     | 0.02%   | 0.002%  |
| 68 | 8.486 | 2296 | 2300 | 2303 | rBV2 | 300    | 247     | 0.02%   | 0.003%  |
| 69 | 8.550 | 2314 | 2320 | 2322 | rVB2 | 196    | 150     | 0.01%   | 0.002%  |
| 70 | 8.875 | 2409 | 2421 | 2448 | rBV  | 539397 | 860496  | 74.36%  | 9.368%  |
| 71 | 9.035 | 2468 | 2471 | 2473 | rBV  | 206    | 159     | 0.01%   | 0.002%  |

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 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
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|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.167  | 2504 | 2512 | 2521 | rVV3 | 532    | 1042   | 0.09%  | 0.011% |
| 73  | 9.219  | 2525 | 2528 | 2533 | rVB  | 143    | 129    | 0.01%  | 0.001% |
| 74  | 9.344  | 2564 | 2567 | 2571 | rBV2 | 168    | 157    | 0.01%  | 0.002% |
| 75  | 9.563  | 2632 | 2635 | 2642 | rVV2 | 256    | 307    | 0.03%  | 0.003% |
| 76  | 9.601  | 2642 | 2647 | 2650 | rVB2 | 168    | 123    | 0.01%  | 0.001% |
| 77  | 10.052 | 2783 | 2787 | 2793 | rVB2 | 131    | 142    | 0.01%  | 0.002% |
| 78  | 10.080 | 2793 | 2796 | 2801 | rBV  | 123    | 143    | 0.01%  | 0.002% |
| 79  | 10.145 | 2813 | 2816 | 2822 | rVB2 | 138    | 126    | 0.01%  | 0.001% |
| 80  | 10.238 | 2832 | 2845 | 2870 | rBV  | 362816 | 567960 | 49.08% | 6.183% |
| 81  | 10.402 | 2888 | 2896 | 2910 | rVB2 | 1129   | 1581   | 0.14%  | 0.017% |
| 82  | 10.650 | 2970 | 2973 | 2979 | rBV  | 255    | 318    | 0.03%  | 0.003% |
| 83  | 10.942 | 3059 | 3064 | 3071 | rVB2 | 251    | 328    | 0.03%  | 0.004% |
| 84  | 11.000 | 3079 | 3082 | 3086 | rVB2 | 232    | 192    | 0.02%  | 0.002% |
| 85  | 11.023 | 3086 | 3089 | 3091 | rBV  | 188    | 114    | 0.01%  | 0.001% |
| 86  | 11.106 | 3109 | 3115 | 3117 | rBV  | 263    | 215    | 0.02%  | 0.002% |
| 87  | 11.183 | 3136 | 3139 | 3144 | rVB2 | 302    | 193    | 0.02%  | 0.002% |
| 88  | 11.270 | 3154 | 3166 | 3187 | rBV  | 554586 | 840419 | 72.62% | 9.149% |
| 89  | 11.437 | 3215 | 3218 | 3220 | rBV3 | 241    | 145    | 0.01%  | 0.002% |
| 90  | 11.556 | 3248 | 3255 | 3265 | rBV5 | 2501   | 4125   | 0.36%  | 0.045% |
| 91  | 11.646 | 3271 | 3283 | 3303 | rBV  | 577927 | 894213 | 77.27% | 9.735% |
| 92  | 11.990 | 3386 | 3390 | 3394 | rBV  | 112    | 114    | 0.01%  | 0.001% |
| 93  | 12.141 | 3434 | 3437 | 3442 | rBV  | 196    | 205    | 0.02%  | 0.002% |
| 94  | 12.370 | 3500 | 3508 | 3515 | rVB5 | 1666   | 2019   | 0.17%  | 0.022% |
| 95  | 12.852 | 3656 | 3658 | 3662 | rVB  | 240    | 134    | 0.01%  | 0.001% |
| 96  | 13.537 | 3863 | 3871 | 3880 | rBV3 | 486    | 924    | 0.08%  | 0.010% |
| 97  | 13.813 | 3955 | 3957 | 3962 | rVB2 | 231    | 122    | 0.01%  | 0.001% |
| 98  | 14.338 | 4117 | 4120 | 4123 | rBV3 | 311    | 224    | 0.02%  | 0.002% |
| 99  | 15.749 | 4557 | 4559 | 4564 | rVB  | 493    | 265    | 0.02%  | 0.003% |
| 100 | 16.045 | 4649 | 4651 | 4653 | rBV2 | 593    | 266    | 0.02%  | 0.003% |

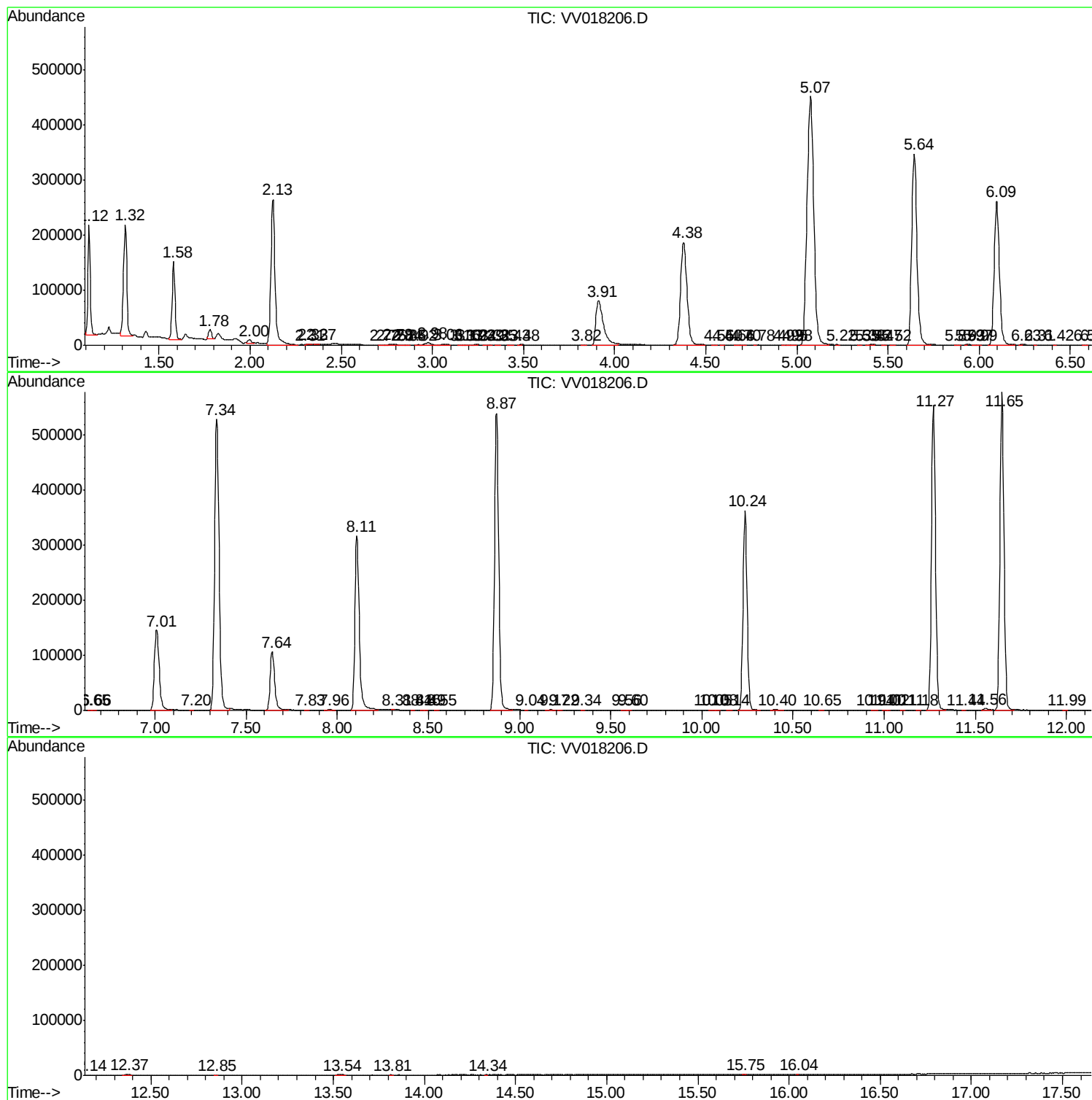
Sum of corrected areas: 9185613

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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



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Quant Title : VOC Analysis

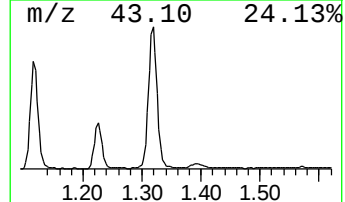
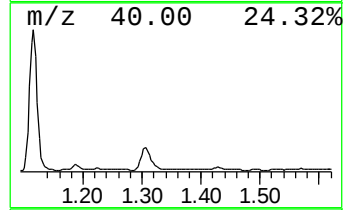
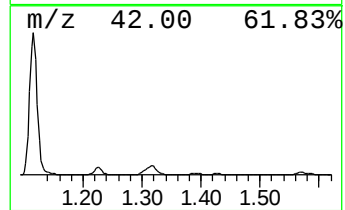
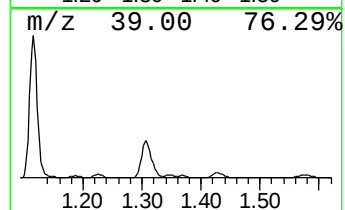
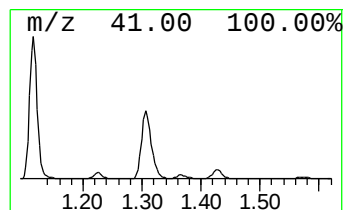
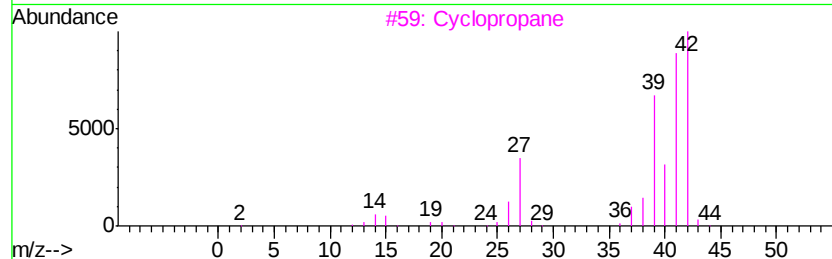
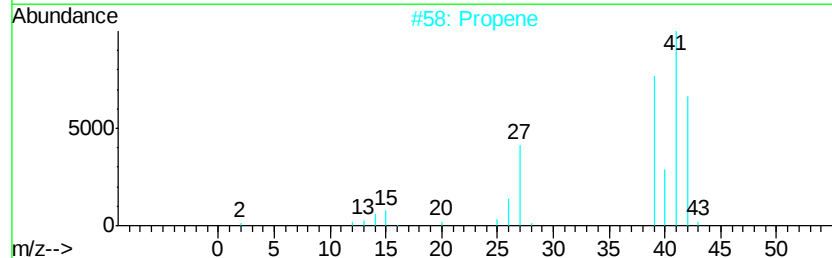
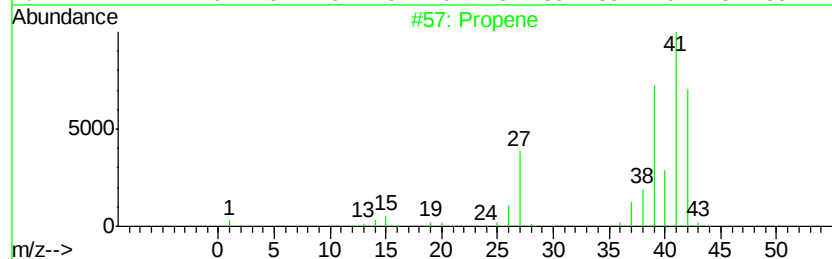
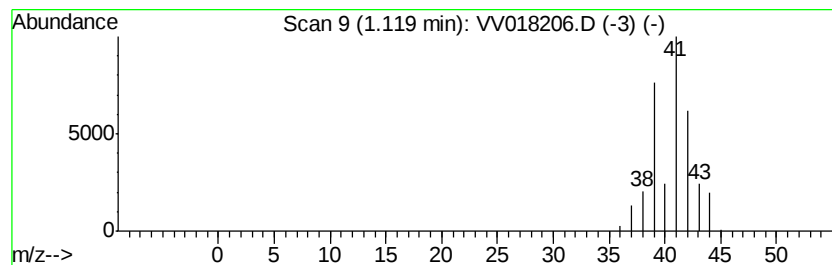
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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 | 12.94 ug/L | 177804 | 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 | 45   |
| 3    |    | Cyclopropane           | 42 | C3H6    | 000075-19-4 | 43   |
| 4    |    | 2-Oxetanone, 4-methyl- | 86 | C4H6O2  | 003068-88-0 | 9    |
| 5    |    | Cyclopropane           | 42 | C3H6    | 000075-19-4 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.12 | 12.9    | ug/L  | 177804   | 1                     | 5.64 | 687173 | 50.0 |