

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
 Data File : VV015402.D  
 Acq On : 03 Apr 2020 17:43  
 Operator : SY/MD  
 Sample : L2045-02  
 Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK02

## 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\SOMVLM040120WMA.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      | 1.219    | 36         | 40       | 44        | rBV2  | 14759       | 14554      | 0.29%        | 0.039%     |
| 2      | 1.312    | 62         | 69       | 83        | rVB   | 418065      | 454700     | 9.09%        | 1.216%     |
| 3      | 1.576    | 140        | 151      | 168       | rVB2  | 314898      | 450834     | 9.01%        | 1.205%     |
| 4      | 2.106    | 308        | 316      | 333       | rVB   | 1169186     | 1617309    | 32.31%       | 4.324%     |
| 5      | 2.457    | 414        | 425      | 456       | rVB2  | 100549      | 245542     | 4.91%        | 0.657%     |
| 6      | 2.627    | 472        | 478      | 491       | rVB   | 17114       | 33076      | 0.66%        | 0.088%     |
| 7      | 2.720    | 505        | 507      | 511       | rBV5  | 2265        | 1859       | 0.04%        | 0.005%     |
| 8      | 2.968    | 579        | 584      | 588       | rBV8  | 2541        | 2998       | 0.06%        | 0.008%     |
| 9      | 3.000    | 591        | 594      | 598       | rBV5  | 1813        | 1705       | 0.03%        | 0.005%     |
| 10     | 3.222    | 660        | 663      | 667       | rBV5  | 2754        | 2675       | 0.05%        | 0.007%     |
| 11     | 3.280    | 678        | 681      | 683       | rVV4  | 2551        | 1458       | 0.03%        | 0.004%     |
| 12     | 3.338    | 695        | 699      | 702       | rBV5  | 2259        | 1722       | 0.03%        | 0.005%     |
| 13     | 3.354    | 702        | 704      | 710       | rBV6  | 1800        | 1406       | 0.03%        | 0.004%     |
| 14     | 3.412    | 718        | 722      | 724       | rBV5  | 2910        | 2449       | 0.05%        | 0.007%     |
| 15     | 3.563    | 765        | 769      | 774       | rVV7  | 1762        | 2222       | 0.04%        | 0.006%     |
| 16     | 3.605    | 778        | 782      | 784       | rBV5  | 1567        | 1334       | 0.03%        | 0.004%     |
| 17     | 3.621    | 784        | 787      | 790       | rVB4  | 2991        | 2256       | 0.05%        | 0.006%     |
| 18     | 3.643    | 790        | 794      | 796       | rBV4  | 2149        | 1893       | 0.04%        | 0.005%     |
| 19     | 3.804    | 841        | 844      | 850       | rBV7  | 1668        | 1572       | 0.03%        | 0.004%     |
| 20     | 3.945    | 875        | 888      | 924       | rBV   | 112684      | 532353     | 10.64%       | 1.423%     |
| 21     | 4.370    | 1004       | 1020     | 1048      | rVB   | 443970      | 1110069    | 22.18%       | 2.968%     |
| 22     | 4.482    | 1053       | 1055     | 1058      | rVV4  | 2506        | 1394       | 0.03%        | 0.004%     |
| 23     | 4.505    | 1058       | 1062     | 1065      | rVB5  | 1966        | 1463       | 0.03%        | 0.004%     |
| 24     | 4.884    | 1177       | 1180     | 1185      | rBV6  | 1480        | 1500       | 0.03%        | 0.004%     |
| 25     | 4.916    | 1185       | 1190     | 1191      | rBV5  | 1983        | 1813       | 0.04%        | 0.005%     |
| 26     | 5.064    | 1220       | 1236     | 1262      | rVV2  | 1174300     | 2821282    | 56.37%       | 7.543%     |
| 27     | 5.498    | 1364       | 1371     | 1372      | rBV7  | 2719        | 2587       | 0.05%        | 0.007%     |
| 28     | 5.637    | 1400       | 1414     | 1438      | rBV   | 812222      | 1638408    | 32.74%       | 4.381%     |
| 29     | 5.807    | 1463       | 1467     | 1472      | rBV7  | 2545        | 3357       | 0.07%        | 0.009%     |
| 30     | 5.926    | 1493       | 1504     | 1512      | rBV8  | 13173       | 27381      | 0.55%        | 0.073%     |
| 31     | 6.090    | 1539       | 1555     | 1579      | rBV   | 610392      | 1275407    | 25.48%       | 3.410%     |
| 32     | 6.453    | 1664       | 1668     | 1672      | rBV7  | 2176        | 1909       | 0.04%        | 0.005%     |
| 33     | 6.508    | 1682       | 1685     | 1688      | rBV5  | 1734        | 1456       | 0.03%        | 0.004%     |
| 34     | 6.563    | 1700       | 1702     | 1708      | rVB7  | 2289        | 1899       | 0.04%        | 0.005%     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
 Data File : VV015402.D  
 Acq On : 03 Apr 2020 17:43  
 Operator : SY/MD  
 Sample : L2045-02  
 Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK02

## 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\SOMVLM040120WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 6.650  | 1719 | 1729 | 1731 | rBV8  | 9458    | 12858   | 0.26%  | 0.034% |
| 36 | 7.006  | 1827 | 1840 | 1857 | rBV   | 398381  | 711961  | 14.23% | 1.904% |
| 37 | 7.270  | 1912 | 1922 | 1923 | rBV7  | 9298    | 12069   | 0.24%  | 0.032% |
| 38 | 7.334  | 1930 | 1942 | 1959 | rBV   | 1384011 | 2410895 | 48.17% | 6.446% |
| 39 | 7.585  | 2012 | 2020 | 2027 | rBV6  | 11841   | 18367   | 0.37%  | 0.049% |
| 40 | 7.640  | 2027 | 2037 | 2058 | rVV   | 271425  | 478917  | 9.57%  | 1.280% |
| 41 | 7.852  | 2099 | 2103 | 2105 | rBV4  | 2237    | 1739    | 0.03%  | 0.005% |
| 42 | 7.961  | 2130 | 2137 | 2138 | rBV6  | 5661    | 6528    | 0.13%  | 0.017% |
| 43 | 8.135  | 2177 | 2191 | 2222 | rBV2  | 589288  | 1407026 | 28.11% | 3.762% |
| 44 | 8.482  | 2289 | 2299 | 2302 | rBV2  | 9023    | 12949   | 0.26%  | 0.035% |
| 45 | 8.653  | 2347 | 2352 | 2354 | rBV4  | 1667    | 1674    | 0.03%  | 0.004% |
| 46 | 8.704  | 2365 | 2368 | 2371 | rBV5  | 2373    | 2059    | 0.04%  | 0.006% |
| 47 | 8.727  | 2371 | 2375 | 2378 | rVV6  | 2761    | 2265    | 0.05%  | 0.006% |
| 48 | 8.875  | 2407 | 2421 | 2448 | rBV   | 1224282 | 2066704 | 41.29% | 5.526% |
| 49 | 9.039  | 2467 | 2472 | 2475 | rVB5  | 3745    | 4529    | 0.09%  | 0.012% |
| 50 | 9.164  | 2501 | 2511 | 2525 | rVB3  | 12326   | 24586   | 0.49%  | 0.066% |
| 51 | 9.569  | 2630 | 2637 | 2641 | rBV6  | 5991    | 8862    | 0.18%  | 0.024% |
| 52 | 9.649  | 2658 | 2662 | 2664 | rBV4  | 1557    | 1442    | 0.03%  | 0.004% |
| 53 | 9.772  | 2693 | 2700 | 2706 | rBV10 | 4084    | 5756    | 0.12%  | 0.015% |
| 54 | 9.826  | 2713 | 2717 | 2719 | rBV4  | 2413    | 1755    | 0.04%  | 0.005% |
| 55 | 9.926  | 2734 | 2748 | 2755 | rBV2  | 43496   | 77582   | 1.55%  | 0.207% |
| 56 | 10.206 | 2826 | 2835 | 2836 | rVV6  | 19853   | 22832   | 0.46%  | 0.061% |
| 57 | 10.244 | 2837 | 2847 | 2864 | rVB   | 897348  | 1454076 | 29.05% | 3.888% |
| 58 | 10.402 | 2885 | 2896 | 2903 | rBV7  | 10466   | 18919   | 0.38%  | 0.051% |
| 59 | 10.473 | 2912 | 2918 | 2920 | rBV4  | 8854    | 9245    | 0.18%  | 0.025% |
| 60 | 10.566 | 2939 | 2947 | 2953 | rBV6  | 21866   | 36448   | 0.73%  | 0.097% |
| 61 | 10.749 | 3001 | 3004 | 3005 | rBV3  | 2575    | 1569    | 0.03%  | 0.004% |
| 62 | 10.874 | 3039 | 3043 | 3046 | rVV5  | 2725    | 2308    | 0.05%  | 0.006% |
| 63 | 10.939 | 3056 | 3063 | 3077 | rVB   | 23010   | 40554   | 0.81%  | 0.108% |
| 64 | 11.186 | 3132 | 3140 | 3142 | rBV8  | 14193   | 17045   | 0.34%  | 0.046% |
| 65 | 11.273 | 3155 | 3167 | 3188 | rVB   | 1464420 | 2300284 | 45.96% | 6.150% |
| 66 | 11.553 | 3244 | 3254 | 3268 | rBV2  | 42747   | 74109   | 1.48%  | 0.198% |
| 67 | 11.649 | 3271 | 3284 | 3310 | rVB   | 1514974 | 2382575 | 47.61% | 6.370% |
| 68 | 11.772 | 3314 | 3322 | 3336 | rBV2  | 36589   | 60534   | 1.21%  | 0.162% |
| 69 | 11.852 | 3345 | 3347 | 3352 | rBV4  | 2378    | 1764    | 0.04%  | 0.005% |
| 70 | 11.923 | 3363 | 3369 | 3371 | rBV7  | 4972    | 5767    | 0.12%  | 0.015% |
| 71 | 12.045 | 3402 | 3407 | 3413 | rVB9  | 4736    | 5555    | 0.11%  | 0.015% |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
 Data File : VV015402.D  
 Acq On : 03 Apr 2020 17:43  
 Operator : SY/MD  
 Sample : L2045-02  
 Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK02

## 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\SOMVLM040120WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |         |         |         |         |
|-----|--------|------|------|------|-------|---------|---------|---------|---------|
| 72  | 12.276 | 3472 | 3479 | 3485 | rBV7  | 5985    | 8414    | 0.17%   | 0.022%  |
| 73  | 12.402 | 3504 | 3518 | 3528 | rBV4  | 51066   | 104856  | 2.10%   | 0.280%  |
| 74  | 12.495 | 3539 | 3547 | 3558 | rVB7  | 15723   | 26150   | 0.52%   | 0.070%  |
| 75  | 12.588 | 3573 | 3576 | 3580 | rBV6  | 2220    | 2051    | 0.04%   | 0.005%  |
| 76  | 12.643 | 3590 | 3593 | 3597 | rVB5  | 3161    | 2368    | 0.05%   | 0.006%  |
| 77  | 12.672 | 3597 | 3602 | 3607 | rBV9  | 2417    | 3111    | 0.06%   | 0.008%  |
| 78  | 12.733 | 3618 | 3621 | 3622 | rVV2  | 2416    | 1461    | 0.03%   | 0.004%  |
| 79  | 12.752 | 3622 | 3627 | 3637 | rVB10 | 11421   | 16806   | 0.34%   | 0.045%  |
| 80  | 12.910 | 3669 | 3676 | 3686 | rVB5  | 11461   | 16895   | 0.34%   | 0.045%  |
| 81  | 12.977 | 3686 | 3697 | 3716 | rBV   | 141399  | 244046  | 4.88%   | 0.653%  |
| 82  | 13.148 | 3747 | 3750 | 3751 | rBV3  | 3079    | 2065    | 0.04%   | 0.006%  |
| 83  | 13.186 | 3754 | 3762 | 3774 | rVB4  | 54079   | 90277   | 1.80%   | 0.241%  |
| 84  | 13.292 | 3786 | 3795 | 3804 | rBV4  | 15092   | 29543   | 0.59%   | 0.079%  |
| 85  | 13.527 | 3858 | 3868 | 3895 | rVB   | 3199240 | 5004860 | 100.00% | 13.381% |
| 86  | 13.649 | 3899 | 3906 | 3919 | rVB   | 68266   | 108545  | 2.17%   | 0.290%  |
| 87  | 14.022 | 4020 | 4022 | 4027 | rVB5  | 2555    | 1777    | 0.04%   | 0.005%  |
| 88  | 14.656 | 4208 | 4219 | 4238 | rVB   | 1031751 | 1625975 | 32.49%  | 4.347%  |
| 89  | 14.842 | 4266 | 4277 | 4292 | rVB   | 369991  | 612315  | 12.23%  | 1.637%  |
| 90  | 15.389 | 4436 | 4447 | 4460 | rVB   | 361637  | 552744  | 11.04%  | 1.478%  |
| 91  | 15.578 | 4497 | 4506 | 4516 | rBV   | 89448   | 142974  | 2.86%   | 0.382%  |
| 92  | 15.691 | 4530 | 4541 | 4563 | rVB   | 232142  | 404285  | 8.08%   | 1.081%  |
| 93  | 15.836 | 4577 | 4586 | 4593 | rBV   | 172904  | 288316  | 5.76%   | 0.771%  |
| 94  | 15.874 | 4594 | 4598 | 4612 | rVB   | 120728  | 174834  | 3.49%   | 0.467%  |
| 95  | 16.209 | 4694 | 4702 | 4710 | rBV3  | 40651   | 59674   | 1.19%   | 0.160%  |
| 96  | 16.308 | 4722 | 4733 | 4750 | rVB4  | 163165  | 339856  | 6.79%   | 0.909%  |
| 97  | 16.511 | 4785 | 4796 | 4818 | rVB   | 1183057 | 1889727 | 37.76%  | 5.053%  |
| 98  | 16.688 | 4845 | 4851 | 4862 | rBV4  | 31445   | 48602   | 0.97%   | 0.130%  |
| 99  | 16.813 | 4878 | 4890 | 4910 | rBV   | 903589  | 1483615 | 29.64%  | 3.967%  |
| 100 | 17.421 | 5071 | 5079 | 5089 | rBV2  | 93213   | 147515  | 2.95%   | 0.394%  |

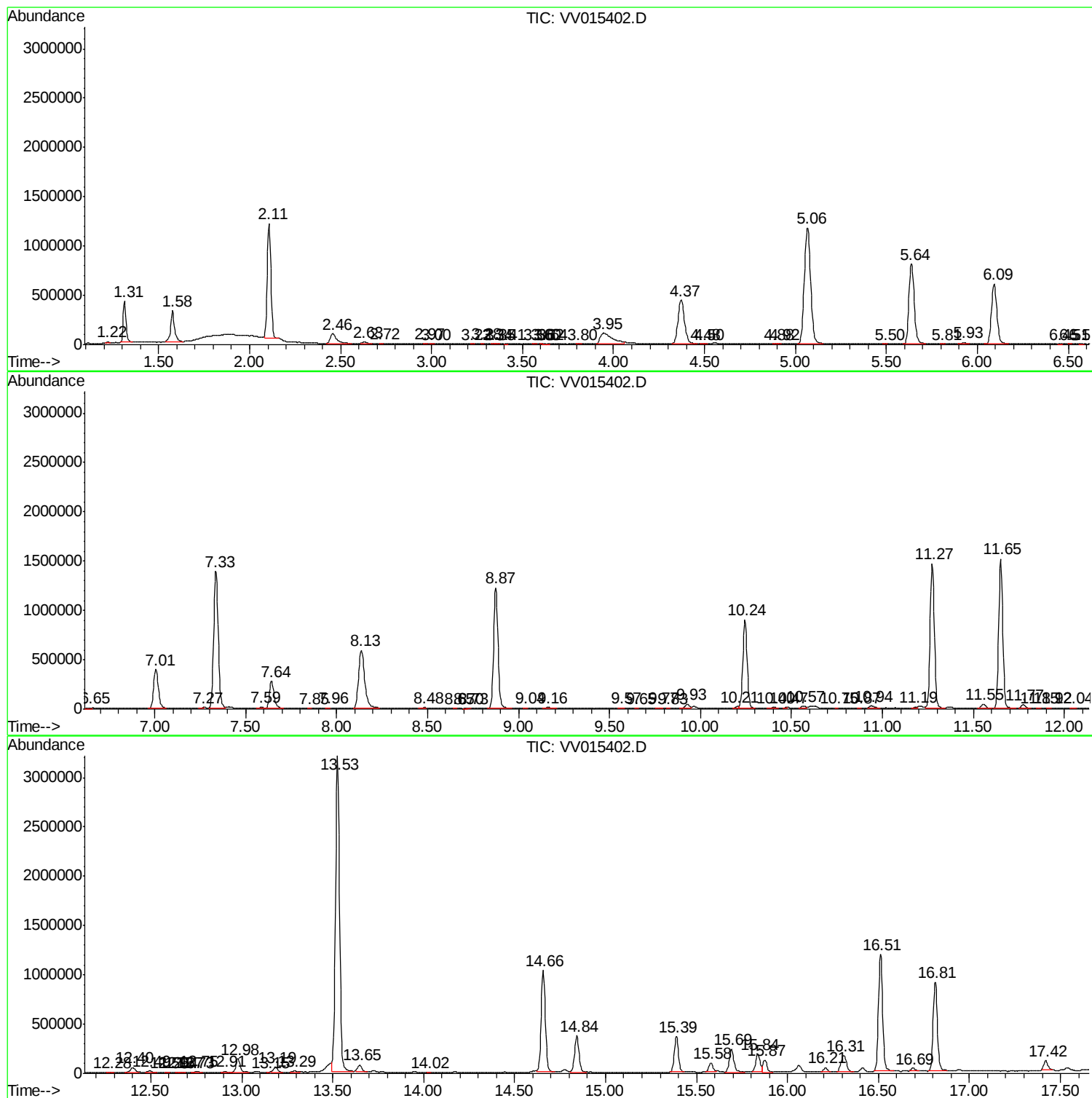
Sum of corrected areas: 37401606

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

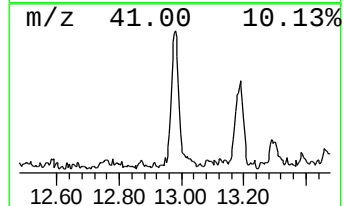
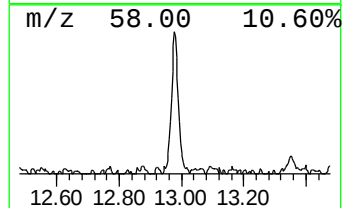
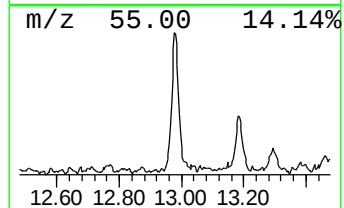
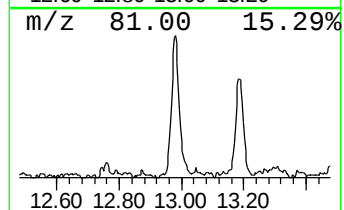
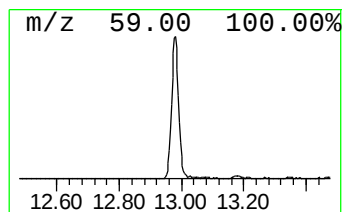
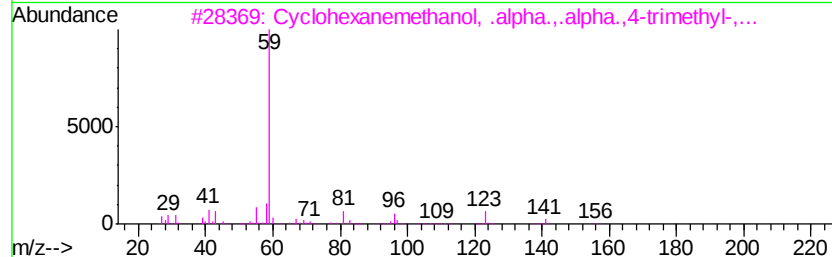
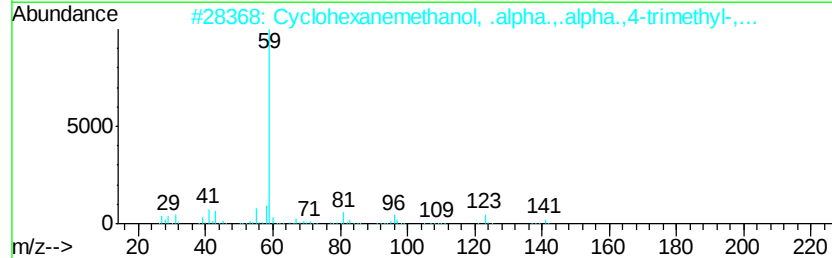
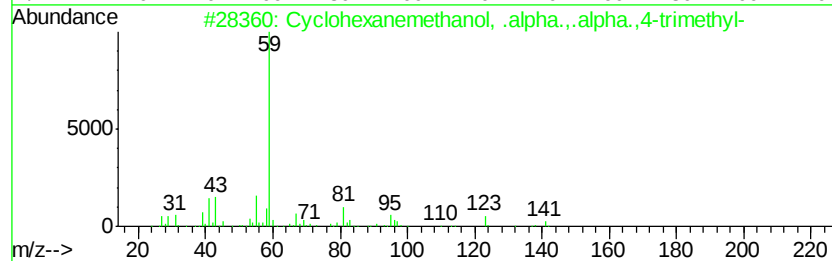
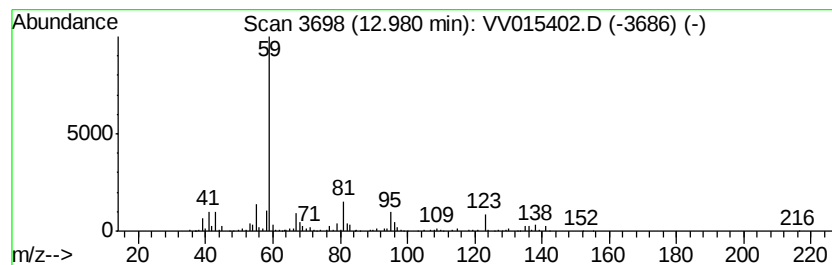
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclohexanemethanol, .alpha... Concentration Rank 11

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.98 | 5.30 ug/L | 244046 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 000498-81-7 | 83   |
| 2    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 007322-63-6 | 72   |
| 3    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 005114-00-1 | 72   |
| 4    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 000498-81-7 | 72   |
| 5    |    | Butane, 2-methoxy-3-methyl-         | 102 | C6H14O  | 062016-49-3 | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

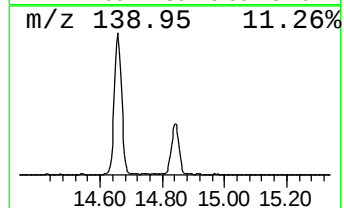
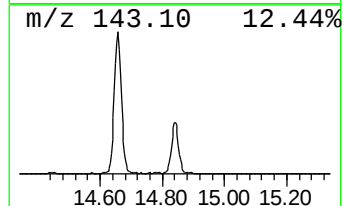
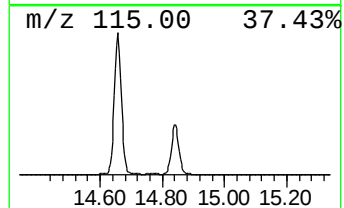
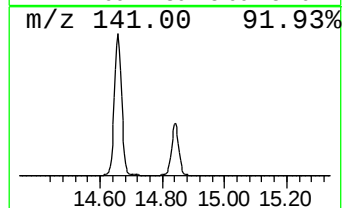
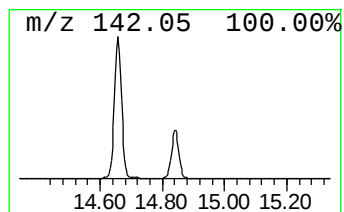
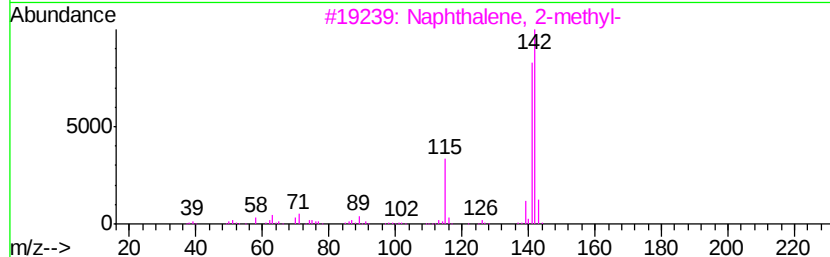
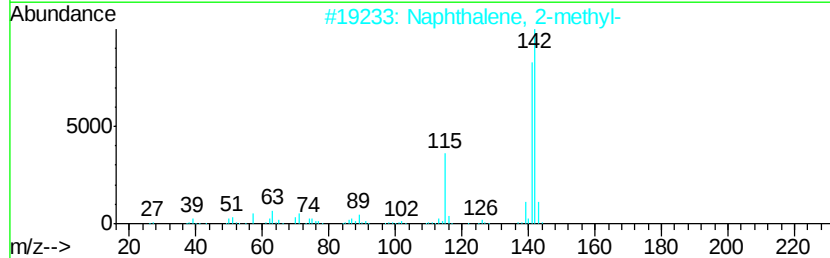
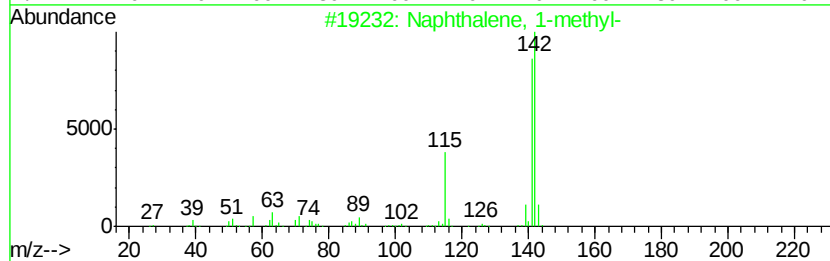
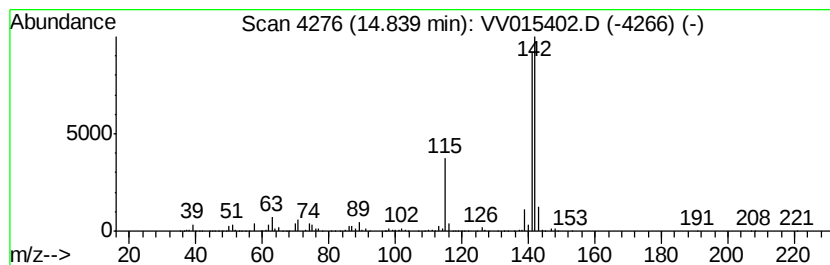
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.84 | 13.31 ug/L | 612315 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |
| 5    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

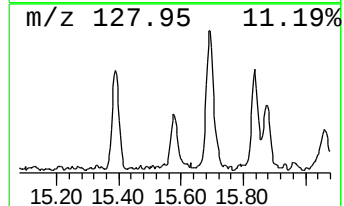
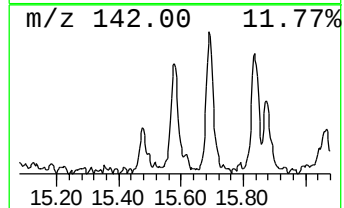
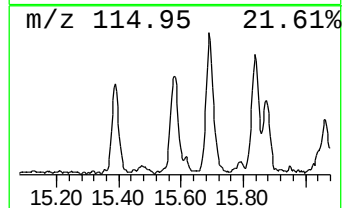
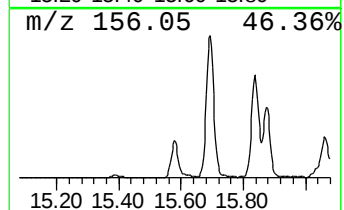
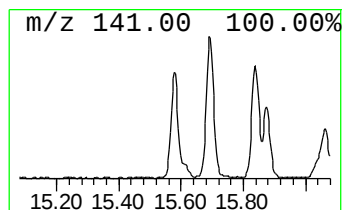
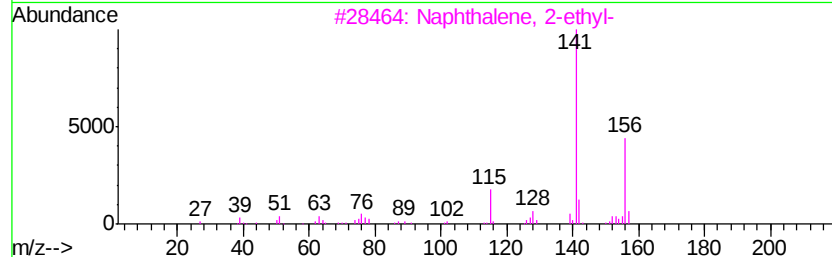
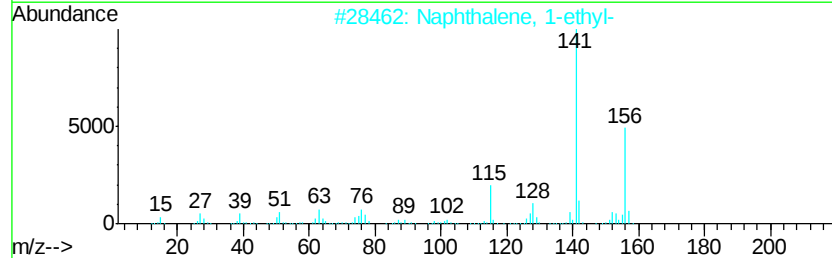
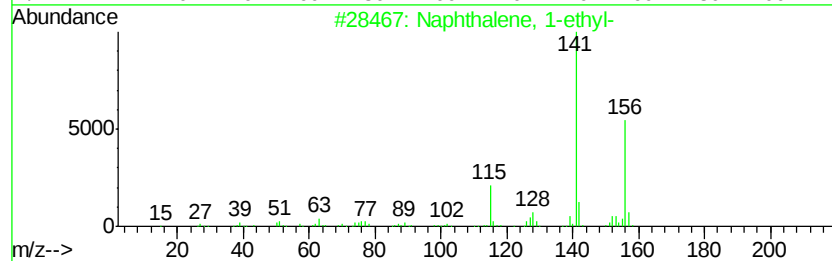
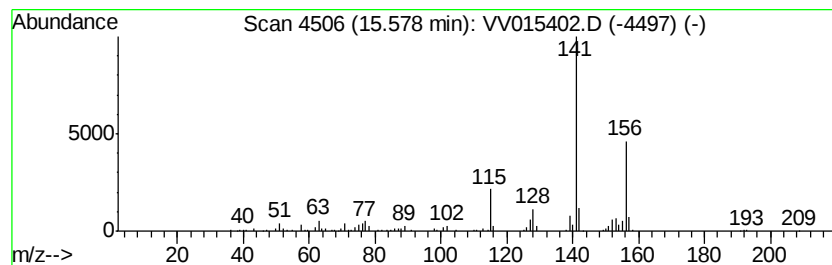
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 7 Naphthalene, 1-ethyl- Concentration Rank 14

| R.T.    | EstConc   | Area                  | Relative to ISTD       | R.T.           |
|---------|-----------|-----------------------|------------------------|----------------|
| 15.58   | 3.11 ug/L | 142974                | 1,4-Dichlorobenzene-d4 | 11.27          |
| Hit# of | 5         | Tentative ID          | MW MolForm             | CAS# Qual      |
| 1       |           | Naphthalene, 1-ethyl- | 156 C12H12             | 001127-76-0 95 |
| 2       |           | Naphthalene, 1-ethyl- | 156 C12H12             | 001127-76-0 94 |
| 3       |           | Naphthalene, 2-ethyl- | 156 C12H12             | 000939-27-5 93 |
| 4       |           | Naphthalene, 2-ethyl- | 156 C12H12             | 000939-27-5 93 |
| 5       |           | Naphthalene, 1-ethyl- | 156 C12H12             | 001127-76-0 93 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

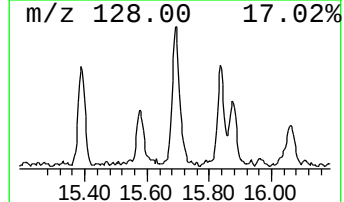
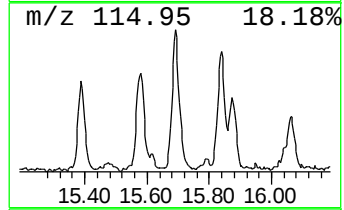
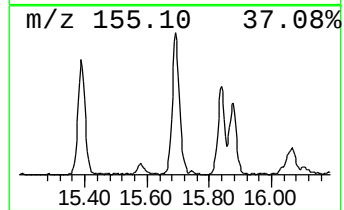
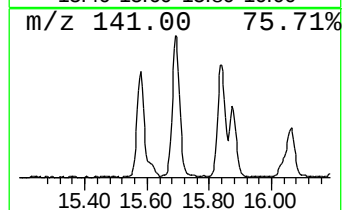
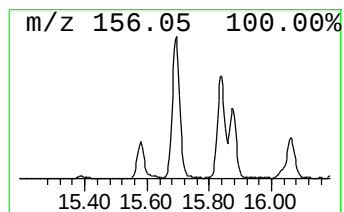
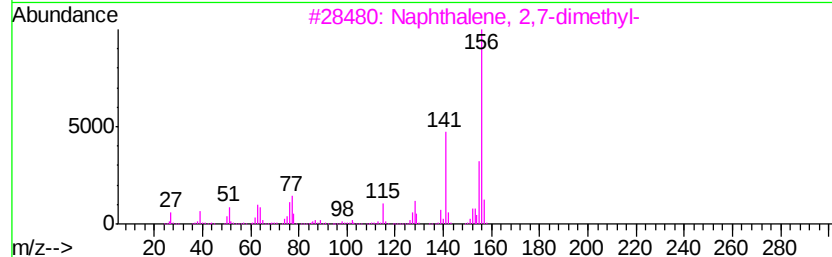
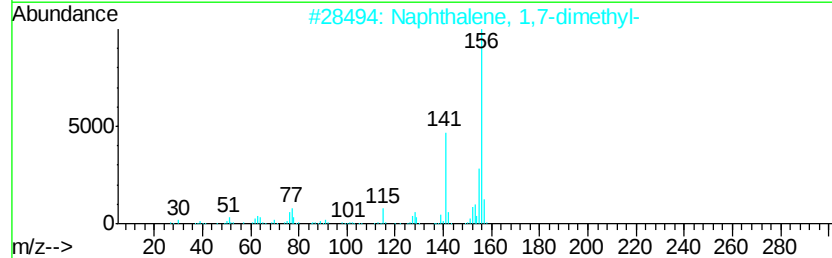
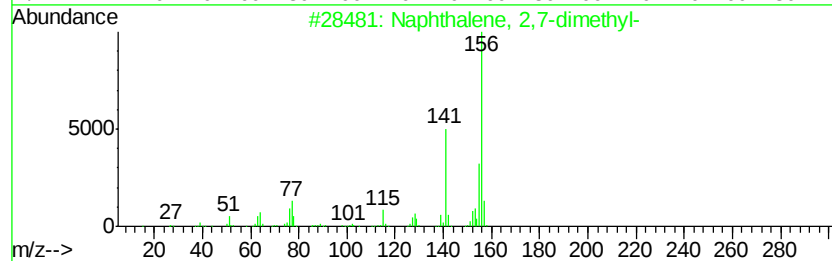
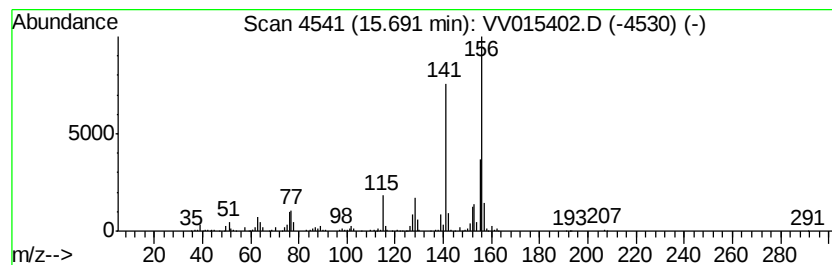
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.69 | 8.79 ug/L | 404285 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 3    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

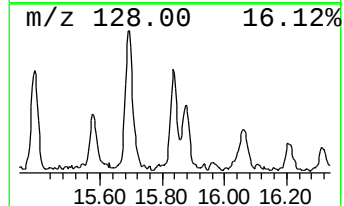
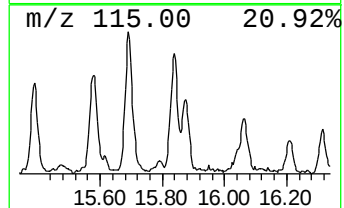
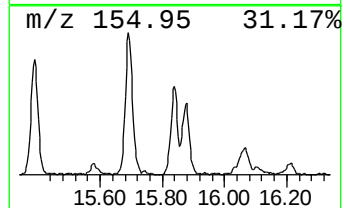
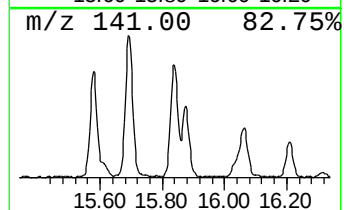
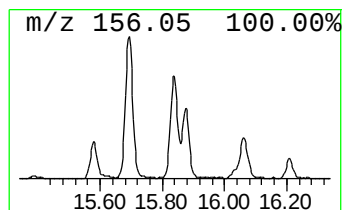
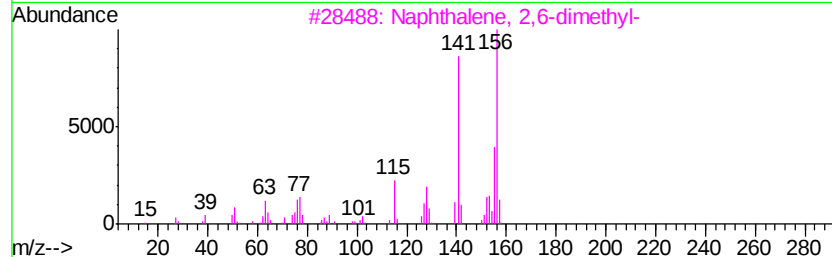
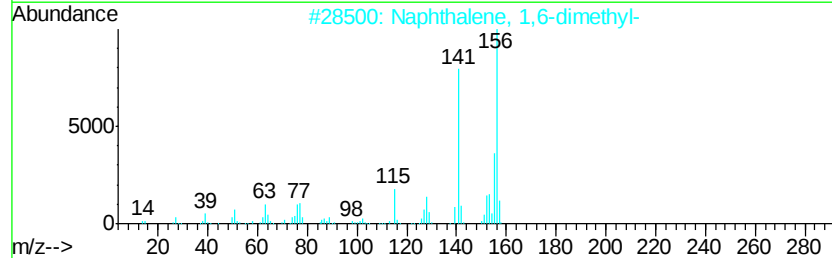
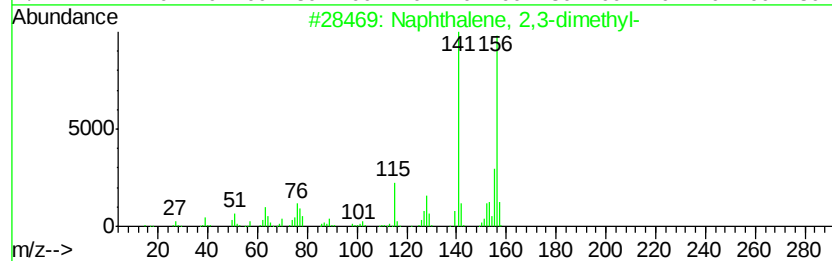
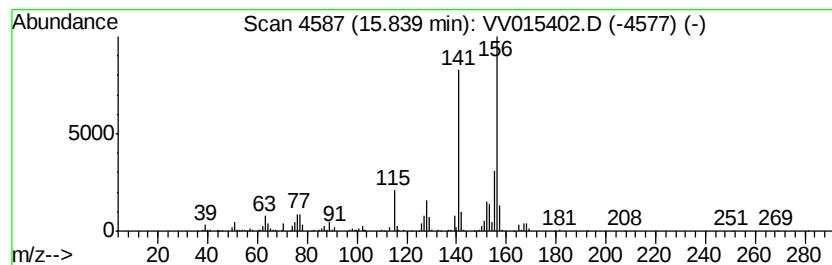
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.84 | 6.27 ug/L | 288316 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 98   |
| 3    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 98   |
| 4    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 5    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

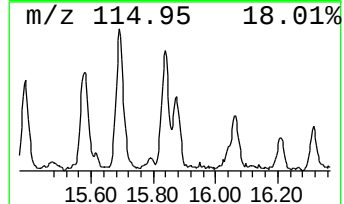
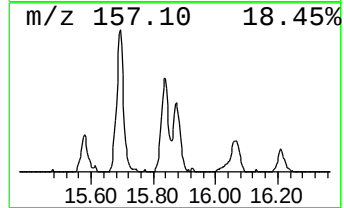
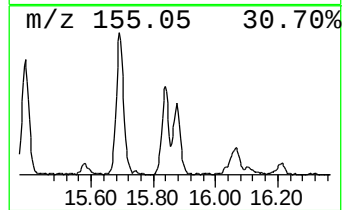
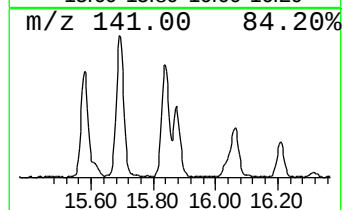
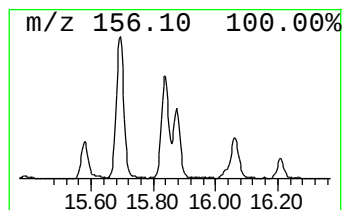
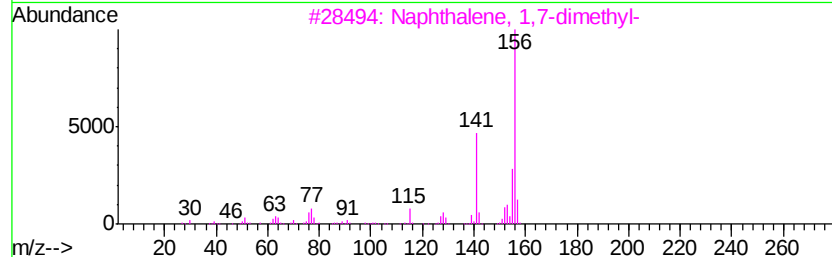
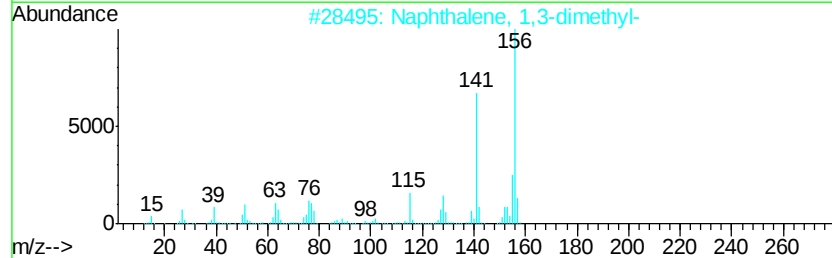
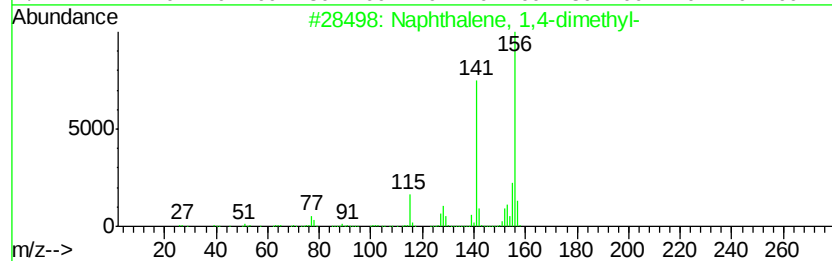
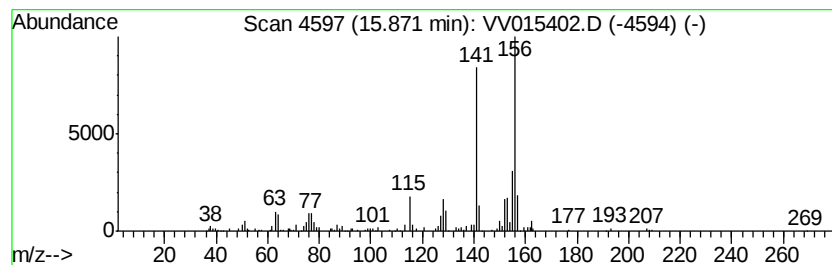
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 12

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.87 | 3.80 ug/L | 174834 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 94   |
| 2    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 94   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 94   |
| 4    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 94   |
| 5    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
Quant Title : VOC Analysis

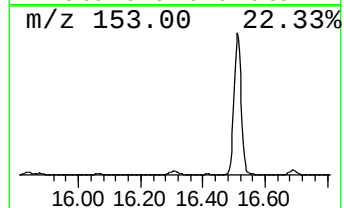
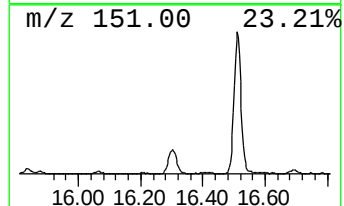
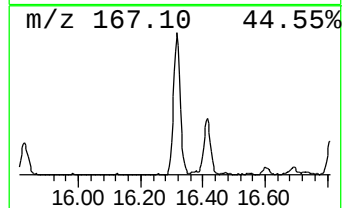
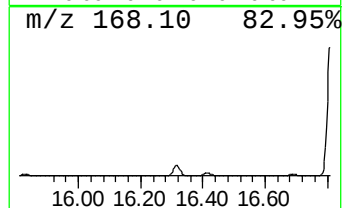
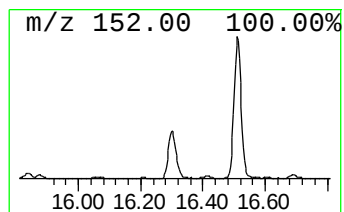
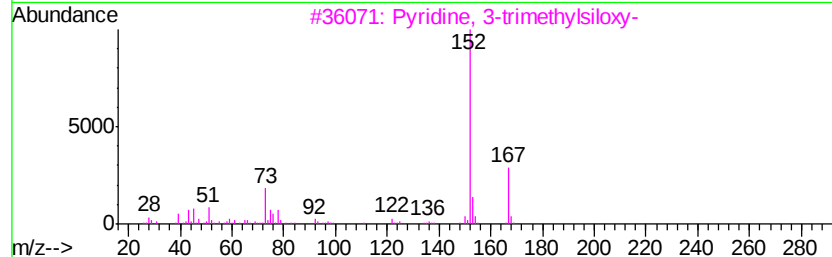
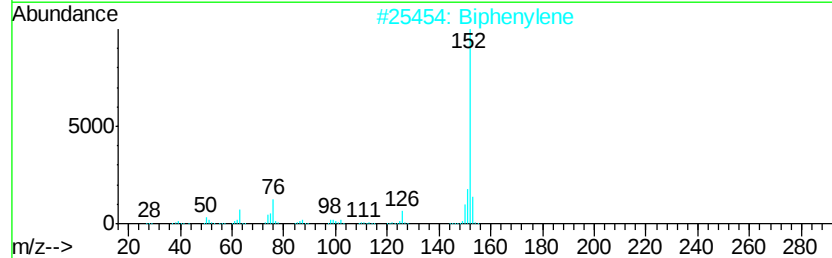
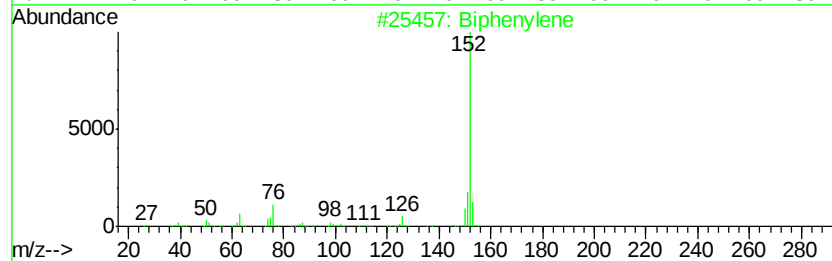
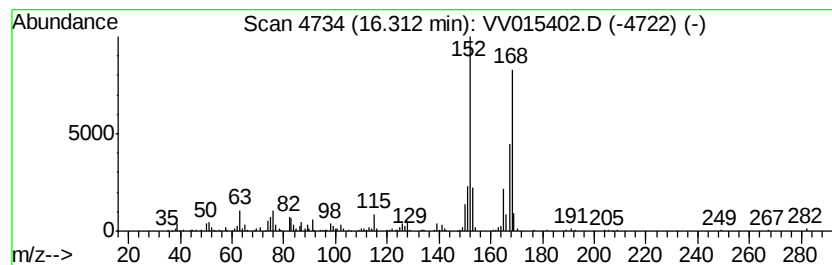
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Biphenylene Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.31 | 7.39 ug/L | 339856 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Biphenylene                         | 152 | C12H8     | 000259-79-0  | 53   |
| 2    |    | Biphenylene                         | 152 | C12H8     | 000259-79-0  | 53   |
| 3    |    | Pvridine, 3-trimethvlsiloxv-        | 167 | C8H13NOSi | 041571-88-4  | 50   |
| 4    |    | Acenaphthylene                      | 152 | C12H8     | 000208-96-8  | 49   |
| 5    |    | 1-acenaphthenol, trifluoroacetat... | 266 | C14H9F3O2 | 1000376-45-2 | 49   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV040320\  
Data File : VV015402.D  
Acq On : 03 Apr 2020 17:43  
Operator : SY/MD  
Sample : L2045-02  
Misc : 11.35G/5.0mL/100 uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK02

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.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 |
| Cyclohexanemethan... | 12.98 | 5.3     | ug/L  | 244046   | 3                     | 11.27 | 2300280 | 50.0 |
| Naphthalene, 1-me... | 14.84 | 13.3    | ug/L  | 612315   | 3                     | 11.27 | 2300280 | 50.0 |
| Naphthalene, 1-et... | 15.58 | 3.1     | ug/L  | 142974   | 3                     | 11.27 | 2300280 | 50.0 |
| Naphthalene, 2,7-... | 15.69 | 8.8     | ug/L  | 404285   | 3                     | 11.27 | 2300280 | 50.0 |
| Naphthalene, 2,3-... | 15.84 | 6.3     | ug/L  | 288316   | 3                     | 11.27 | 2300280 | 50.0 |
| Naphthalene, 1,4-... | 15.87 | 3.8     | ug/L  | 174834   | 3                     | 11.27 | 2300280 | 50.0 |
| Biphenylene          | 16.31 | 7.4     | ug/L  | 339856   | 3                     | 11.27 | 2300280 | 50.0 |