

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091518\  
 Data File : VW005396.D  
 Acq On : 14 Sep 2018 19:02  
 Operator : SY/AP  
 Sample : J4865-16RE  
 Misc : 4.98G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB3P4RE

## 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\_W\METHOD\SOM2WLM091318S.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         | 2.160       | 39            | 42          | 46           | rBV4     | 3021           | 3702          | 0.42%           | 0.060%        |
| 2         | 2.349       | 68            | 73          | 81           | rBV      | 75019          | 120668        | 13.69%          | 1.951%        |
| 3         | 2.891       | 154           | 162         | 172          | rBV      | 58474          | 116793        | 13.25%          | 1.889%        |
| 4         | 3.276       | 219           | 225         | 230          | rVB5     | 1757           | 4030          | 0.46%           | 0.065%        |
| 5         | 3.385       | 240           | 243         | 244          | rBV2     | 645            | 609           | 0.07%           | 0.010%        |
| 6         | 3.538       | 265           | 268         | 269          | rBV2     | 441            | 384           | 0.04%           | 0.006%        |
| 7         | 3.568       | 269           | 273         | 275          | rBV      | 404            | 387           | 0.04%           | 0.006%        |
| 8         | 3.611       | 279           | 280         | 283          | rVB3     | 455            | 377           | 0.04%           | 0.006%        |
| 9         | 3.684       | 289           | 292         | 295          | rBV2     | 342            | 463           | 0.05%           | 0.007%        |
| 10        | 3.861       | 316           | 321         | 323          | rBV3     | 1679           | 2137          | 0.24%           | 0.035%        |
| 11        | 4.025       | 337           | 348         | 361          | rBV      | 98396          | 264301        | 29.97%          | 4.274%        |
| 12        | 4.166       | 361           | 371         | 375          | rBV7     | 2175           | 6013          | 0.68%           | 0.097%        |
| 13        | 4.281       | 388           | 390         | 394          | rVB2     | 566            | 555           | 0.06%           | 0.009%        |
| 14        | 4.446       | 415           | 417         | 419          | rBV2     | 388            | 405           | 0.05%           | 0.007%        |
| 15        | 4.483       | 419           | 423         | 430          | rVV5     | 425            | 997           | 0.11%           | 0.016%        |
| 16        | 4.611       | 440           | 444         | 449          | rVB3     | 477            | 786           | 0.09%           | 0.013%        |
| 17        | 4.751       | 464           | 467         | 469          | rBV3     | 315            | 465           | 0.05%           | 0.008%        |
| 18        | 4.922       | 483           | 495         | 510          | rBV      | 15081          | 49061         | 5.56%           | 0.793%        |
| 19        | 5.037       | 510           | 514         | 516          | rVB3     | 316            | 434           | 0.05%           | 0.007%        |
| 20        | 5.129       | 523           | 529         | 531          | rBV4     | 577            | 1026          | 0.12%           | 0.017%        |
| 21        | 5.342       | 561           | 564         | 566          | rVB2     | 401            | 356           | 0.04%           | 0.006%        |
| 22        | 5.379       | 566           | 570         | 571          | rBV3     | 359            | 510           | 0.06%           | 0.008%        |
| 23        | 5.525       | 591           | 594         | 598          | rBV2     | 292            | 518           | 0.06%           | 0.008%        |
| 24        | 5.659       | 613           | 616         | 623          | rVV2     | 312            | 721           | 0.08%           | 0.012%        |
| 25        | 5.775       | 631           | 635         | 638          | rVV2     | 270            | 423           | 0.05%           | 0.007%        |
| 26        | 5.952       | 654           | 664         | 678          | rVB6     | 2559           | 8557          | 0.97%           | 0.138%        |
| 27        | 6.135       | 692           | 694         | 698          | rBV2     | 283            | 394           | 0.04%           | 0.006%        |
| 28        | 6.348       | 726           | 729         | 733          | rBV2     | 438            | 672           | 0.08%           | 0.011%        |
| 29        | 6.421       | 739           | 741         | 746          | rVB      | 337            | 425           | 0.05%           | 0.007%        |
| 30        | 6.482       | 746           | 751         | 755          | rBV2     | 230            | 444           | 0.05%           | 0.007%        |
| 31        | 7.098       | 842           | 852         | 856          | rBV      | 19881          | 55476         | 6.29%           | 0.897%        |
| 32        | 7.452       | 908           | 910         | 911          | rVB2     | 628            | 376           | 0.04%           | 0.006%        |
| 33        | 7.506       | 911           | 919         | 920          | rBV5     | 905            | 2124          | 0.24%           | 0.034%        |
| 34        | 7.659       | 933           | 944         | 955          | rBV      | 135979         | 340780        | 38.65%          | 5.511%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091518\  
 Data File : VW005396.D  
 Acq On : 14 Sep 2018 19:02  
 Operator : SY/AP  
 Sample : J4865-16RE  
 Misc : 4.98G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB3P4RE

## 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\_W\METHOD\SOM2WLM091318S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 8.281  | 1031 | 1046 | 1065 | rBV2 | 279757 | 881748 | 100.00% | 14.260% |
| 36 | 8.628  | 1099 | 1103 | 1104 | rBV2 | 1074   | 1173   | 0.13%   | 0.019%  |
| 37 | 8.689  | 1111 | 1113 | 1114 | rBV2 | 674    | 549    | 0.06%   | 0.009%  |
| 38 | 8.848  | 1131 | 1139 | 1157 | rBV  | 298754 | 602881 | 68.37%  | 9.750%  |
| 39 | 9.073  | 1171 | 1176 | 1183 | rBV7 | 2213   | 5465   | 0.62%   | 0.088%  |
| 40 | 9.281  | 1201 | 1210 | 1229 | rBV  | 175241 | 364362 | 41.32%  | 5.893%  |
| 41 | 9.732  | 1279 | 1284 | 1285 | rBV3 | 328    | 402    | 0.05%   | 0.007%  |
| 42 | 9.829  | 1298 | 1300 | 1303 | rBV3 | 579    | 623    | 0.07%   | 0.010%  |
| 43 | 9.902  | 1306 | 1312 | 1319 | rVB6 | 2602   | 5240   | 0.59%   | 0.085%  |
| 44 | 9.963  | 1320 | 1322 | 1324 | rBV3 | 396    | 463    | 0.05%   | 0.007%  |
| 45 | 10.043 | 1327 | 1335 | 1345 | rVB  | 90223  | 167687 | 19.02%  | 2.712%  |
| 46 | 10.134 | 1348 | 1350 | 1354 | rVB4 | 653    | 592    | 0.07%   | 0.010%  |
| 47 | 10.165 | 1354 | 1355 | 1358 | rBV2 | 448    | 411    | 0.05%   | 0.007%  |
| 48 | 10.226 | 1360 | 1365 | 1367 | rBV6 | 996    | 1874   | 0.21%   | 0.030%  |
| 49 | 10.329 | 1374 | 1382 | 1398 | rBV  | 385655 | 684317 | 77.61%  | 11.067% |
| 50 | 10.585 | 1417 | 1424 | 1432 | rVB  | 61521  | 112182 | 12.72%  | 1.814%  |
| 51 | 10.713 | 1438 | 1445 | 1450 | rBV  | 26258  | 55856  | 6.33%   | 0.903%  |
| 52 | 10.933 | 1475 | 1481 | 1497 | rVV  | 91151  | 170991 | 19.39%  | 2.765%  |
| 53 | 11.067 | 1498 | 1503 | 1514 | rVB  | 24715  | 42930  | 4.87%   | 0.694%  |
| 54 | 11.445 | 1560 | 1565 | 1571 | rVB  | 24349  | 42352  | 4.80%   | 0.685%  |
| 55 | 11.634 | 1590 | 1596 | 1606 | rVB  | 405841 | 693502 | 78.65%  | 11.216% |
| 56 | 11.939 | 1642 | 1646 | 1647 | rBV3 | 1425   | 2112   | 0.24%   | 0.034%  |
| 57 | 12.195 | 1687 | 1688 | 1690 | rVB  | 1289   | 605    | 0.07%   | 0.010%  |
| 58 | 12.243 | 1692 | 1696 | 1701 | rVB6 | 1712   | 3266   | 0.37%   | 0.053%  |
| 59 | 12.341 | 1710 | 1712 | 1715 | rBV3 | 307    | 354    | 0.04%   | 0.006%  |
| 60 | 12.481 | 1729 | 1735 | 1739 | rVB8 | 1060   | 1699   | 0.19%   | 0.027%  |
| 61 | 12.615 | 1749 | 1757 | 1764 | rBV  | 43092  | 73601  | 8.35%   | 1.190%  |
| 62 | 12.701 | 1764 | 1771 | 1778 | rVB  | 123038 | 208037 | 23.59%  | 3.364%  |
| 63 | 12.780 | 1782 | 1784 | 1790 | rVB3 | 541    | 764    | 0.09%   | 0.012%  |
| 64 | 12.835 | 1790 | 1793 | 1795 | rBV2 | 350    | 470    | 0.05%   | 0.008%  |
| 65 | 12.865 | 1795 | 1798 | 1801 | rBV2 | 387    | 502    | 0.06%   | 0.008%  |
| 66 | 12.938 | 1806 | 1810 | 1821 | rVB3 | 4653   | 8476   | 0.96%   | 0.137%  |
| 67 | 13.036 | 1821 | 1826 | 1831 | rBV5 | 1356   | 2550   | 0.29%   | 0.041%  |
| 68 | 13.085 | 1831 | 1834 | 1838 | rBV2 | 940    | 1112   | 0.13%   | 0.018%  |
| 69 | 13.170 | 1845 | 1848 | 1849 | rBV2 | 308    | 375    | 0.04%   | 0.006%  |
| 70 | 13.207 | 1853 | 1854 | 1858 | rVB3 | 750    | 657    | 0.07%   | 0.011%  |
| 71 | 13.304 | 1864 | 1870 | 1876 | rVB2 | 7415   | 13154  | 1.49%   | 0.213%  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091518\  
 Data File : VW005396.D  
 Acq On : 14 Sep 2018 19:02  
 Operator : SY/AP  
 Sample : J4865-16RE  
 Misc : 4.98G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB3P4RE

## 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\_W\METHOD\SOM2WLM091318S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 13.408 | 1883 | 1887 | 1894 | rVB5 | 2147   | 4312   | 0.49%  | 0.070% |
| 73  | 13.469 | 1894 | 1897 | 1899 | rBV3 | 688    | 899    | 0.10%  | 0.015% |
| 74  | 13.566 | 1906 | 1913 | 1920 | rBV  | 310268 | 494872 | 56.12% | 8.003% |
| 75  | 13.768 | 1940 | 1946 | 1950 | rBV4 | 2609   | 4866   | 0.55%  | 0.079% |
| 76  | 13.859 | 1955 | 1961 | 1968 | rVV  | 258276 | 419793 | 47.61% | 6.789% |
| 77  | 13.908 | 1968 | 1969 | 1975 | rVV3 | 3324   | 4925   | 0.56%  | 0.080% |
| 78  | 13.957 | 1975 | 1977 | 1981 | rVV4 | 1557   | 2372   | 0.27%  | 0.038% |
| 79  | 14.048 | 1985 | 1992 | 1993 | rVV5 | 2004   | 4030   | 0.46%  | 0.065% |
| 80  | 14.078 | 1993 | 1997 | 2005 | rVB2 | 11697  | 20512  | 2.33%  | 0.332% |
| 81  | 14.231 | 2014 | 2022 | 2032 | rBV2 | 21136  | 35376  | 4.01%  | 0.572% |
| 82  | 14.341 | 2032 | 2040 | 2043 | rBV6 | 4558   | 10257  | 1.16%  | 0.166% |
| 83  | 14.456 | 2058 | 2059 | 2063 | rBV3 | 434    | 481    | 0.05%  | 0.008% |
| 84  | 14.530 | 2068 | 2071 | 2073 | rVV3 | 563    | 605    | 0.07%  | 0.010% |
| 85  | 14.658 | 2089 | 2092 | 2095 | rBV3 | 501    | 517    | 0.06%  | 0.008% |
| 86  | 14.737 | 2101 | 2105 | 2110 | rVV5 | 2157   | 3369   | 0.38%  | 0.054% |
| 87  | 14.889 | 2128 | 2130 | 2133 | rVB3 | 381    | 374    | 0.04%  | 0.006% |
| 88  | 15.188 | 2173 | 2179 | 2183 | rBV3 | 4684   | 7620   | 0.86%  | 0.123% |
| 89  | 15.426 | 2214 | 2218 | 2219 | rBV3 | 1055   | 1553   | 0.18%  | 0.025% |
| 90  | 15.444 | 2219 | 2221 | 2227 | rVV4 | 2809   | 4490   | 0.51%  | 0.073% |
| 91  | 15.511 | 2229 | 2232 | 2239 | rVV2 | 3760   | 6692   | 0.76%  | 0.108% |
| 92  | 15.590 | 2243 | 2245 | 2249 | rVB5 | 543    | 714    | 0.08%  | 0.012% |
| 93  | 15.670 | 2257 | 2258 | 2259 | rBV  | 540    | 371    | 0.04%  | 0.006% |
| 94  | 15.688 | 2259 | 2261 | 2262 | rVB2 | 700    | 444    | 0.05%  | 0.007% |
| 95  | 16.035 | 2313 | 2318 | 2323 | rVB3 | 7062   | 12410  | 1.41%  | 0.201% |
| 96  | 16.224 | 2347 | 2349 | 2351 | rVB2 | 834    | 757    | 0.09%  | 0.012% |
| 97  | 16.334 | 2366 | 2367 | 2368 | rBV  | 808    | 423    | 0.05%  | 0.007% |
| 98  | 16.541 | 2400 | 2401 | 2403 | rBV2 | 586    | 382    | 0.04%  | 0.006% |
| 99  | 16.566 | 2403 | 2405 | 2407 | rBV3 | 659    | 634    | 0.07%  | 0.010% |
| 100 | 16.621 | 2413 | 2414 | 2417 | rBV3 | 523    | 648    | 0.07%  | 0.010% |

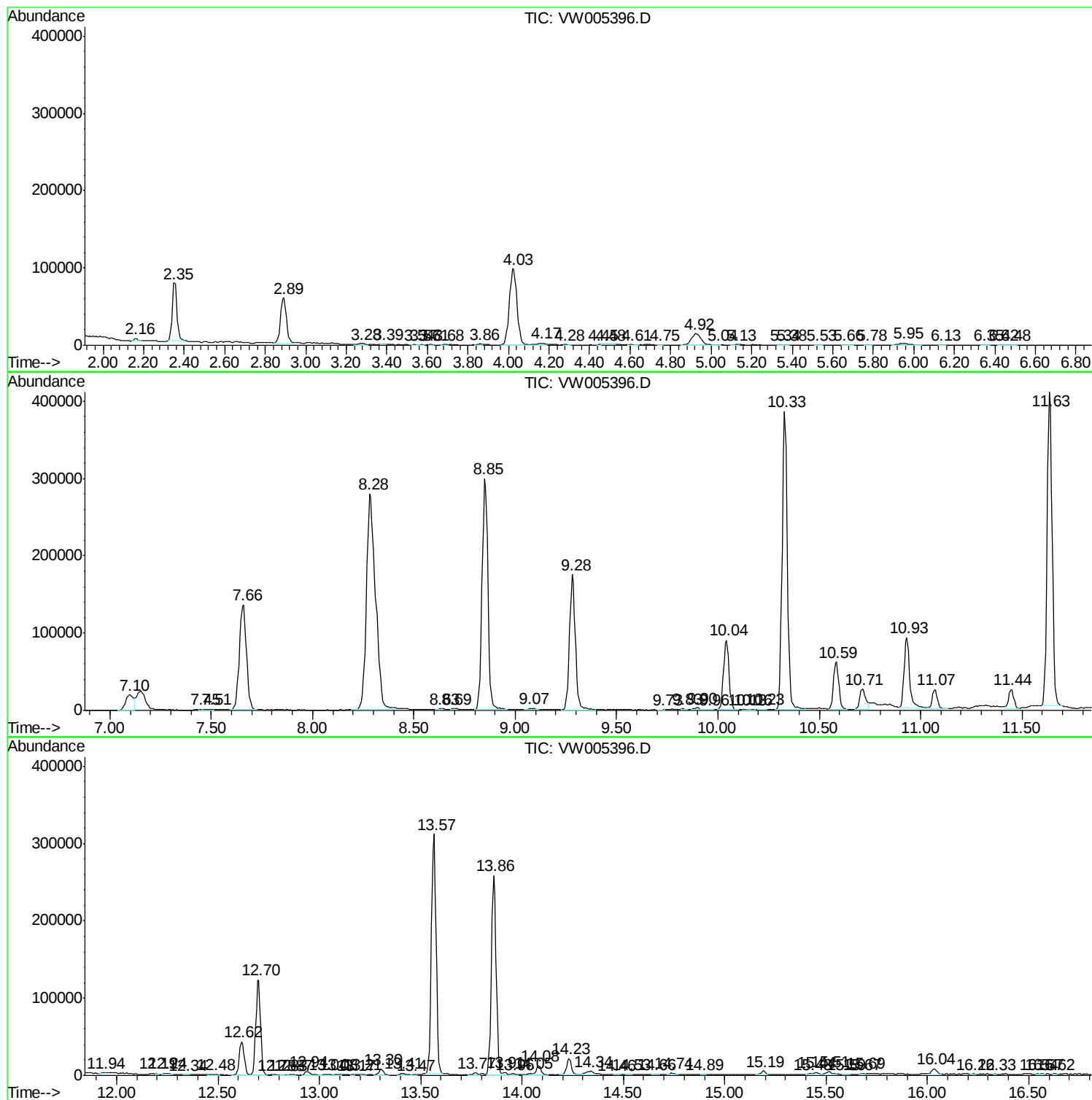
Sum of corrected areas: 6183401

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091518\  
Data File : VW005396.D  
Acq On : 14 Sep 2018 19:02  
Operator : SY/AP  
Sample : J4865-16RE  
Misc : 4.98G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB3P4RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091318S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091518\  
Data File : VW005396.D  
Acq On : 14 Sep 2018 19:02  
Operator : SY/AP  
Sample : J4865-16RE  
Misc : 4.98G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB3P4RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091318S.M  
Quant Title : VOC Analysis

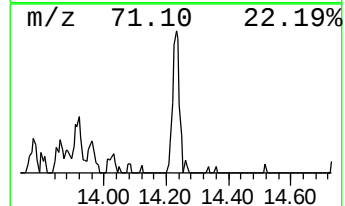
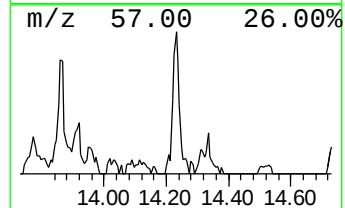
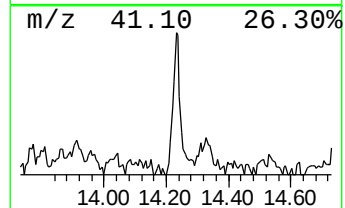
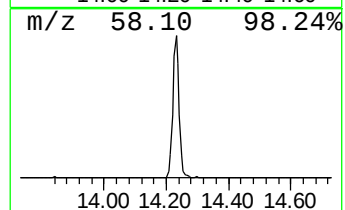
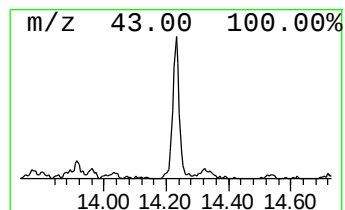
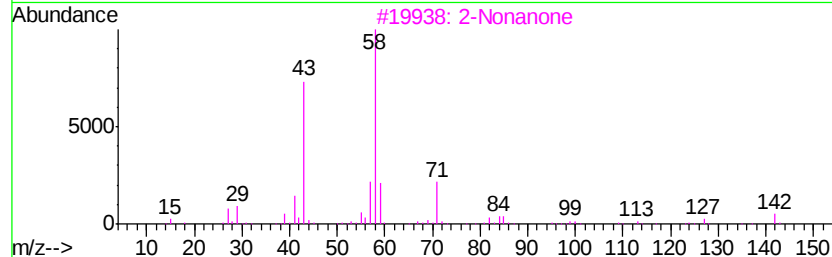
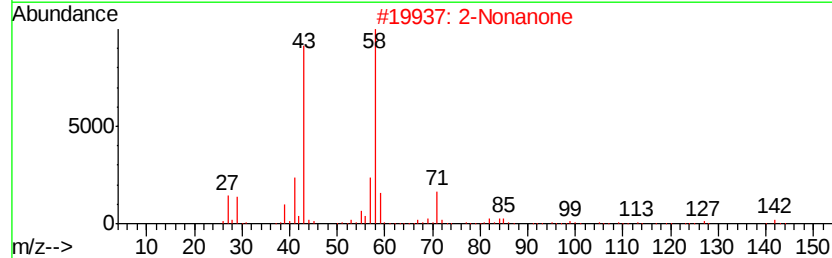
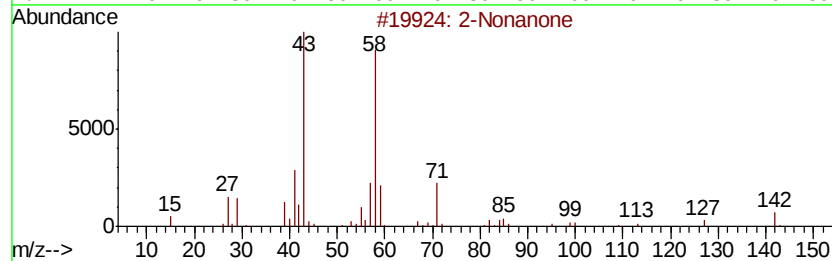
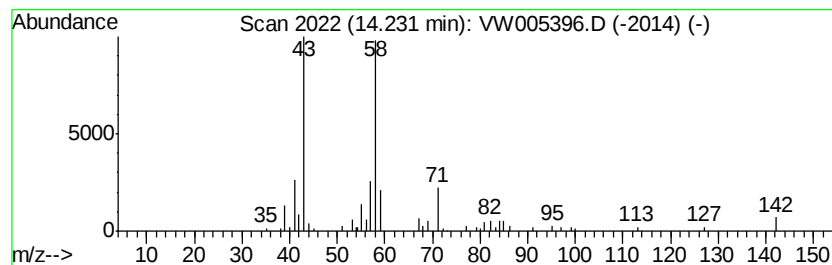
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 2-Nonanone Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.23 | 1.79 ug/L | 35376 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | 2-Nonanone   | 142 | C9H18O  | 000821-55-6 | 91   |
| 2    |    | 2-Nonanone   | 142 | C9H18O  | 000821-55-6 | 91   |
| 3    |    | 2-Nonanone   | 142 | C9H18O  | 000821-55-6 | 90   |
| 4    |    | 2-Octanone   | 128 | C8H16O  | 000111-13-7 | 72   |
| 5    |    | 2-Dodecanone | 184 | C12H24O | 006175-49-1 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW091518\  
Data File : VW005396.D  
Acq On : 14 Sep 2018 19:02  
Operator : SY/AP  
Sample : J4865-16RE  
Misc : 4.98G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB3P4RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091318S.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 |
| 2-Nonanone       | 14.23 | 1.8     | ug/L  | 35376    | 3                     | 13.57 | 494872 | 25.0 |