

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
 Data File : VW016356.D  
 Acq On : 26 Aug 2020 10:53  
 Operator : SY/VA  
 Sample : L3800-04  
 Misc : 5.63G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3H4

## 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\SOM2WLM082420S.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      | 2.349    | 65         | 73       | 84        | rVB   | 36573       | 66483      | 7.28%        | 0.929%     |
| 2      | 2.495    | 92         | 97       | 107       | rBV2  | 2385        | 5439       | 0.60%        | 0.076%     |
| 3      | 2.684    | 126        | 128      | 132       | rVB   | 788         | 968        | 0.11%        | 0.014%     |
| 4      | 2.727    | 132        | 135      | 136       | rBV2  | 379         | 471        | 0.05%        | 0.007%     |
| 5      | 2.806    | 144        | 148      | 151       | rVV2  | 1029        | 1878       | 0.21%        | 0.026%     |
| 6      | 2.891    | 154        | 162      | 180       | rVB   | 27342       | 68367      | 7.48%        | 0.955%     |
| 7      | 4.013    | 336        | 346      | 359       | rVV   | 73999       | 208531     | 22.82%       | 2.913%     |
| 8      | 4.141    | 361        | 367      | 374       | rVV   | 3135        | 9092       | 0.99%        | 0.127%     |
| 9      | 4.202    | 374        | 377      | 379       | rVV3  | 939         | 1485       | 0.16%        | 0.021%     |
| 10     | 4.385    | 402        | 407      | 409       | rBV2  | 394         | 673        | 0.07%        | 0.009%     |
| 11     | 4.483    | 419        | 423      | 426       | rVB2  | 352         | 569        | 0.06%        | 0.008%     |
| 12     | 4.915    | 482        | 494      | 507       | rVV2  | 14585       | 48259      | 5.28%        | 0.674%     |
| 13     | 5.098    | 518        | 524      | 527       | rBV2  | 260         | 518        | 0.06%        | 0.007%     |
| 14     | 5.135    | 527        | 530      | 534       | rVB3  | 405         | 635        | 0.07%        | 0.009%     |
| 15     | 5.190    | 534        | 539      | 542       | rBV3  | 245         | 488        | 0.05%        | 0.007%     |
| 16     | 5.940    | 652        | 662      | 671       | rBV4  | 4374        | 12918      | 1.41%        | 0.180%     |
| 17     | 6.915    | 814        | 822      | 825       | rBV4  | 727         | 1645       | 0.18%        | 0.023%     |
| 18     | 6.982    | 830        | 833      | 837       | rVB2  | 346         | 514        | 0.06%        | 0.007%     |
| 19     | 7.086    | 840        | 850      | 854       | rBV   | 19917       | 55389      | 6.06%        | 0.774%     |
| 20     | 7.647    | 931        | 942      | 952       | rBV   | 135367      | 333220     | 36.46%       | 4.655%     |
| 21     | 7.884    | 976        | 981      | 983       | rBV2  | 356         | 477        | 0.05%        | 0.007%     |
| 22     | 7.933    | 985        | 989      | 992       | rBV3  | 488         | 761        | 0.08%        | 0.011%     |
| 23     | 8.159    | 1022       | 1026     | 1028      | rBV2  | 407         | 452        | 0.05%        | 0.006%     |
| 24     | 8.275    | 1033       | 1045     | 1063      | rBV2  | 227158      | 696097     | 76.17%       | 9.724%     |
| 25     | 8.390    | 1063       | 1064     | 1067      | rVV2  | 499         | 463        | 0.05%        | 0.006%     |
| 26     | 8.421    | 1068       | 1069     | 1072      | rVV2  | 481         | 450        | 0.05%        | 0.006%     |
| 27     | 8.695    | 1110       | 1114     | 1121      | rVB3  | 776         | 1426       | 0.16%        | 0.020%     |
| 28     | 8.842    | 1130       | 1138     | 1152      | rBV   | 381062      | 758232     | 82.97%       | 10.591%    |
| 29     | 9.055    | 1166       | 1173     | 1176      | rVV5  | 1855        | 4696       | 0.51%        | 0.066%     |
| 30     | 9.085    | 1176       | 1178     | 1186      | rVB5  | 2183        | 2883       | 0.32%        | 0.040%     |
| 31     | 9.274    | 1201       | 1209     | 1217      | rBV   | 167548      | 339466     | 37.15%       | 4.742%     |
| 32     | 9.518    | 1246       | 1249     | 1252      | rVB2  | 425         | 572        | 0.06%        | 0.008%     |
| 33     | 9.658    | 1270       | 1272     | 1277      | rBV3  | 890         | 1186       | 0.13%        | 0.017%     |
| 34     | 9.750    | 1285       | 1287     | 1292      | rVB2  | 557         | 651        | 0.07%        | 0.009%     |

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 BG3H4

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 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\SOM2WLM082420S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 9.896  | 1307 | 1311 | 1316 | rVB5 | 757    | 1332   | 0.15%  | 0.019%  |
| 36 | 9.957  | 1316 | 1321 | 1322 | rBV2 | 706    | 766    | 0.08%  | 0.011%  |
| 37 | 10.036 | 1327 | 1334 | 1346 | rVV  | 88463  | 157330 | 17.22% | 2.198%  |
| 38 | 10.213 | 1360 | 1363 | 1366 | rBV2 | 429    | 560    | 0.06%  | 0.008%  |
| 39 | 10.323 | 1373 | 1381 | 1389 | rBV  | 314508 | 563160 | 61.63% | 7.867%  |
| 40 | 10.439 | 1398 | 1400 | 1404 | rBV3 | 429    | 479    | 0.05%  | 0.007%  |
| 41 | 10.500 | 1404 | 1410 | 1416 | rVB5 | 1266   | 2613   | 0.29%  | 0.037%  |
| 42 | 10.579 | 1416 | 1423 | 1430 | rBV  | 60263  | 101989 | 11.16% | 1.425%  |
| 43 | 10.664 | 1433 | 1437 | 1439 | rBV3 | 1375   | 2044   | 0.22%  | 0.029%  |
| 44 | 10.707 | 1439 | 1444 | 1449 | rVB  | 6908   | 11789  | 1.29%  | 0.165%  |
| 45 | 10.762 | 1451 | 1453 | 1457 | rBV3 | 578    | 635    | 0.07%  | 0.009%  |
| 46 | 10.847 | 1464 | 1467 | 1469 | rBV2 | 869    | 1032   | 0.11%  | 0.014%  |
| 47 | 10.927 | 1474 | 1480 | 1489 | rBV  | 86043  | 144921 | 15.86% | 2.024%  |
| 48 | 11.061 | 1495 | 1502 | 1508 | rBV3 | 8572   | 14544  | 1.59%  | 0.203%  |
| 49 | 11.109 | 1508 | 1510 | 1513 | rVB2 | 576    | 531    | 0.06%  | 0.007%  |
| 50 | 11.177 | 1517 | 1521 | 1526 | rVB2 | 3668   | 5549   | 0.61%  | 0.078%  |
| 51 | 11.231 | 1526 | 1530 | 1536 | rVB5 | 3295   | 5019   | 0.55%  | 0.070%  |
| 52 | 11.335 | 1544 | 1547 | 1551 | rBV4 | 1634   | 2710   | 0.30%  | 0.038%  |
| 53 | 11.408 | 1556 | 1559 | 1561 | rVV4 | 1344   | 1630   | 0.18%  | 0.023%  |
| 54 | 11.512 | 1570 | 1576 | 1583 | rBV2 | 3081   | 4901   | 0.54%  | 0.068%  |
| 55 | 11.634 | 1588 | 1596 | 1607 | rBV  | 532697 | 898806 | 98.36% | 12.555% |
| 56 | 11.719 | 1607 | 1610 | 1614 | rBV3 | 1142   | 1886   | 0.21%  | 0.026%  |
| 57 | 11.768 | 1616 | 1618 | 1621 | rVB2 | 1281   | 1105   | 0.12%  | 0.015%  |
| 58 | 11.811 | 1621 | 1625 | 1626 | rBV3 | 1316   | 1780   | 0.19%  | 0.025%  |
| 59 | 11.878 | 1631 | 1636 | 1640 | rVV2 | 7648   | 14699  | 1.61%  | 0.205%  |
| 60 | 11.914 | 1640 | 1642 | 1649 | rVB4 | 4716   | 7350   | 0.80%  | 0.103%  |
| 61 | 11.975 | 1649 | 1652 | 1654 | rBV2 | 406    | 583    | 0.06%  | 0.008%  |
| 62 | 12.060 | 1659 | 1666 | 1670 | rVB6 | 2564   | 5418   | 0.59%  | 0.076%  |
| 63 | 12.140 | 1670 | 1679 | 1684 | rBV5 | 11358  | 25105  | 2.75%  | 0.351%  |
| 64 | 12.256 | 1691 | 1698 | 1702 | rVB3 | 9742   | 17166  | 1.88%  | 0.240%  |
| 65 | 12.310 | 1702 | 1707 | 1708 | rBV3 | 5853   | 9472   | 1.04%  | 0.132%  |
| 66 | 12.341 | 1709 | 1712 | 1714 | rBV3 | 4758   | 6598   | 0.72%  | 0.092%  |
| 67 | 12.609 | 1752 | 1756 | 1760 | rBV3 | 13085  | 20363  | 2.23%  | 0.284%  |
| 68 | 12.652 | 1760 | 1763 | 1764 | rVV2 | 4371   | 4217   | 0.46%  | 0.059%  |
| 69 | 12.695 | 1764 | 1770 | 1777 | rVV  | 154998 | 258652 | 28.30% | 3.613%  |
| 70 | 12.780 | 1780 | 1784 | 1791 | rVB5 | 18325  | 37176  | 4.07%  | 0.519%  |
| 71 | 12.859 | 1791 | 1797 | 1801 | rBV3 | 10794  | 25398  | 2.78%  | 0.355%  |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3H4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
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 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\SOM2WLM082420S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |         |         |
|-----|--------|------|------|------|------|--------|--------|---------|---------|
| 72  | 12.938 | 1804 | 1810 | 1815 | rVV4 | 29657  | 66487  | 7.28%   | 0.929%  |
| 73  | 12.993 | 1816 | 1819 | 1824 | rVB4 | 15399  | 22518  | 2.46%   | 0.315%  |
| 74  | 13.079 | 1830 | 1833 | 1837 | rBV4 | 12170  | 18282  | 2.00%   | 0.255%  |
| 75  | 13.127 | 1837 | 1841 | 1843 | rBV4 | 10852  | 17054  | 1.87%   | 0.238%  |
| 76  | 13.164 | 1843 | 1847 | 1854 | rVB4 | 38101  | 61029  | 6.68%   | 0.852%  |
| 77  | 13.292 | 1865 | 1868 | 1872 | rBV5 | 10264  | 14222  | 1.56%   | 0.199%  |
| 78  | 13.383 | 1879 | 1883 | 1886 | rBV3 | 13397  | 19058  | 2.09%   | 0.266%  |
| 79  | 13.481 | 1897 | 1899 | 1903 | rVB3 | 13525  | 16614  | 1.82%   | 0.232%  |
| 80  | 13.560 | 1906 | 1912 | 1920 | rVB  | 561898 | 913832 | 100.00% | 12.765% |
| 81  | 13.627 | 1920 | 1923 | 1926 | rBV3 | 7627   | 10253  | 1.12%   | 0.143%  |
| 82  | 13.798 | 1949 | 1951 | 1954 | rBV3 | 6937   | 7916   | 0.87%   | 0.111%  |
| 83  | 13.859 | 1954 | 1961 | 1969 | rVV  | 350223 | 677342 | 74.12%  | 9.462%  |
| 84  | 13.975 | 1978 | 1980 | 1985 | rBV5 | 7482   | 10631  | 1.16%   | 0.149%  |
| 85  | 14.206 | 2012 | 2018 | 2024 | rBV4 | 23044  | 44981  | 4.92%   | 0.628%  |
| 86  | 14.267 | 2024 | 2028 | 2033 | rBV4 | 10434  | 20495  | 2.24%   | 0.286%  |
| 87  | 14.341 | 2034 | 2040 | 2044 | rBV7 | 14632  | 35264  | 3.86%   | 0.493%  |
| 88  | 14.389 | 2044 | 2048 | 2051 | rBV2 | 26569  | 36211  | 3.96%   | 0.506%  |
| 89  | 14.499 | 2064 | 2066 | 2067 | rBV2 | 3882   | 3389   | 0.37%   | 0.047%  |
| 90  | 14.548 | 2070 | 2074 | 2079 | rVV6 | 20548  | 33599  | 3.68%   | 0.469%  |
| 91  | 14.603 | 2080 | 2083 | 2087 | rVB4 | 7881   | 10322  | 1.13%   | 0.144%  |
| 92  | 14.706 | 2097 | 2100 | 2101 | rBV3 | 4215   | 4571   | 0.50%   | 0.064%  |
| 93  | 14.792 | 2110 | 2114 | 2116 | rBV3 | 7770   | 12437  | 1.36%   | 0.174%  |
| 94  | 15.273 | 2189 | 2193 | 2198 | rVB2 | 8502   | 13857  | 1.52%   | 0.194%  |
| 95  | 15.426 | 2211 | 2218 | 2223 | rBV7 | 14018  | 36005  | 3.94%   | 0.503%  |
| 96  | 15.657 | 2249 | 2256 | 2260 | rBV8 | 4758   | 13051  | 1.43%   | 0.182%  |
| 97  | 15.956 | 2299 | 2305 | 2310 | rBV9 | 4850   | 10678  | 1.17%   | 0.149%  |
| 98  | 16.176 | 2335 | 2341 | 2349 | rBV7 | 6682   | 15201  | 1.66%   | 0.212%  |
| 99  | 16.450 | 2381 | 2386 | 2387 | rBV4 | 4202   | 6849   | 0.75%   | 0.096%  |
| 100 | 16.645 | 2411 | 2418 | 2425 | rBV7 | 7979   | 22084  | 2.42%   | 0.308%  |

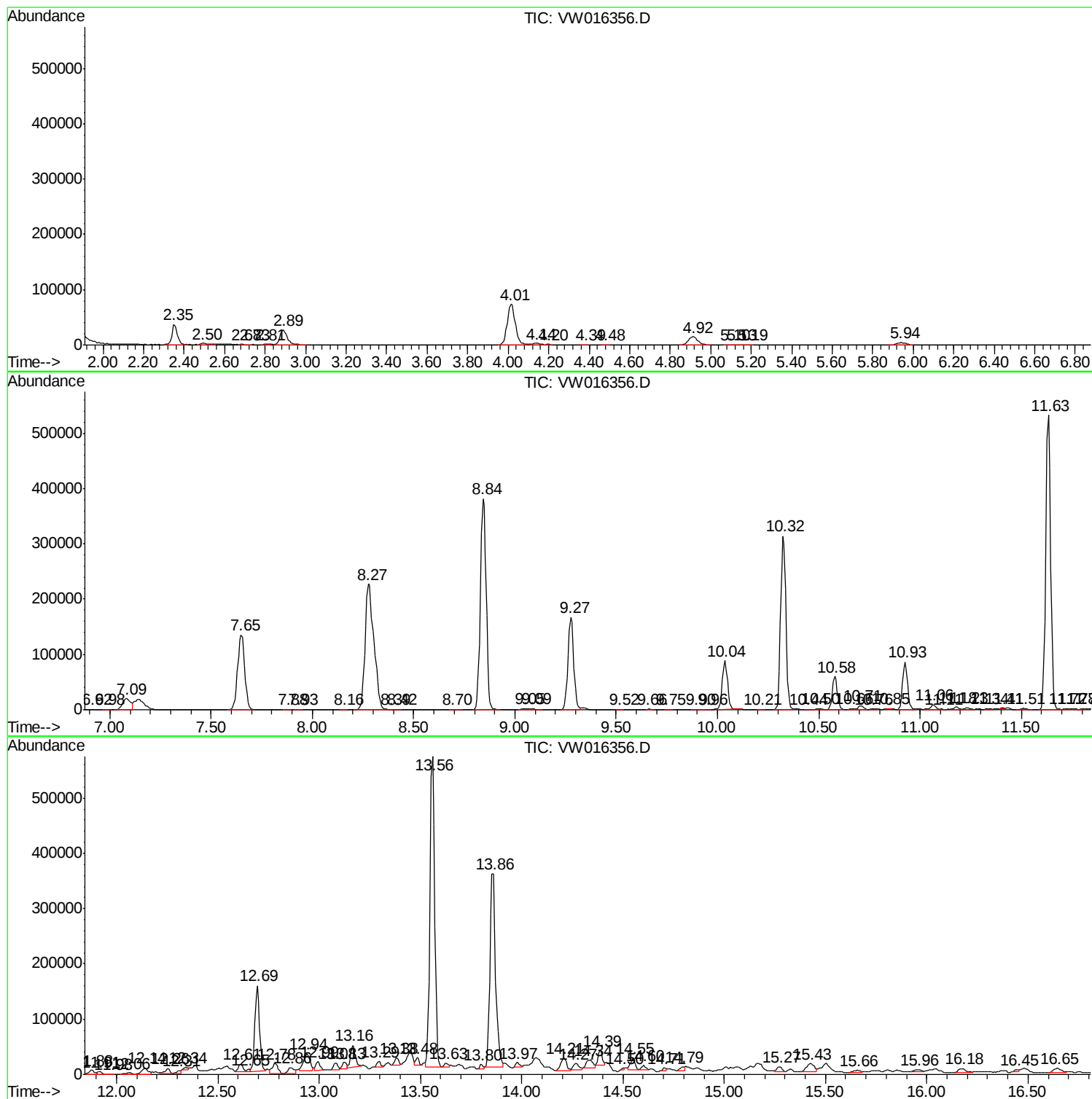
Sum of corrected areas: 7158894

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Instrument :  
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ClientSampleId :  
BG3H4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
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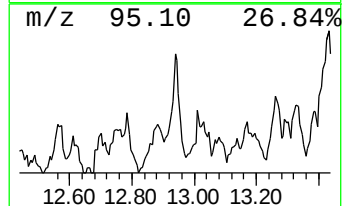
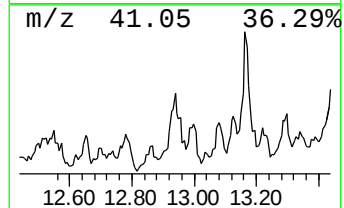
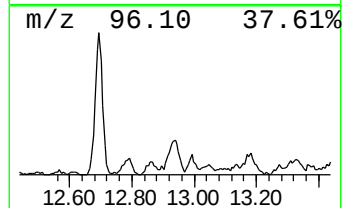
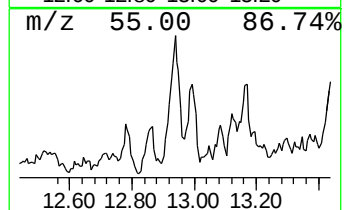
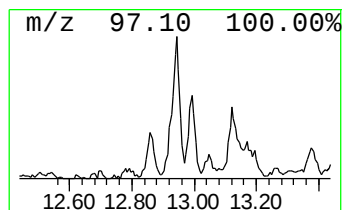
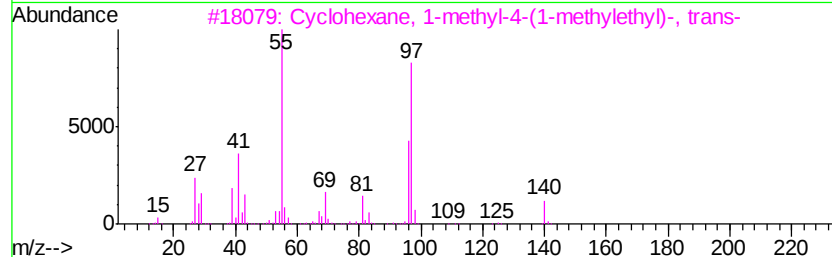
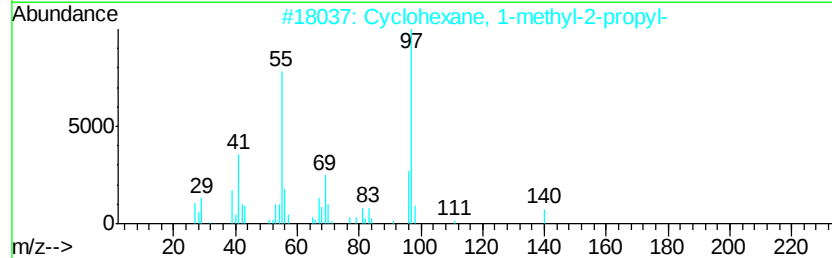
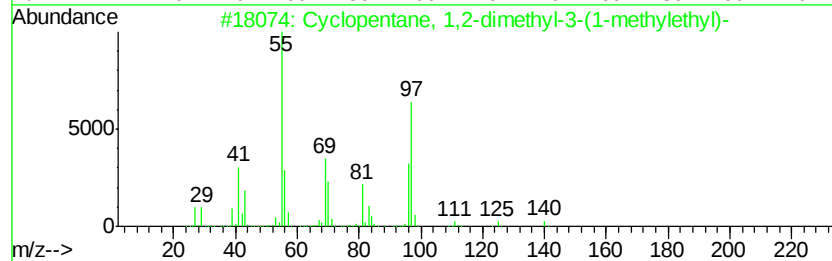
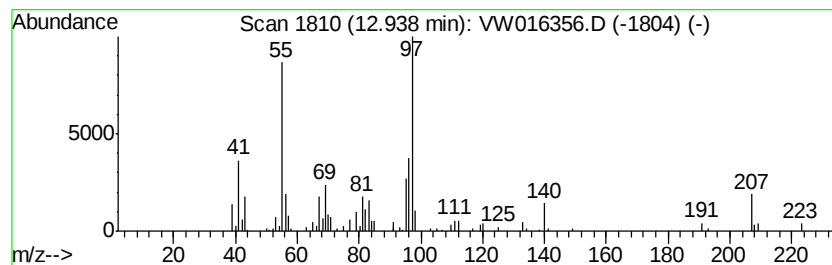
Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic12.94 Concentration Rank 2

| R.T.      | EstConc                              | Area  | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------------|-------|------------------------|-------------|------|
| 12.94     | 1.82 ug/L                            | 66487 | 1,4-Dichlorobenzene-d4 | 13.55       |      |
| Hit# of 5 | Tentative ID                         | MW    | MolForm                | CAS#        | Qual |
| 1         | Cvclopentane, 1,2-dimethyl-3-(1-...  | 140   | C10H20                 | 000489-20-3 | 68   |
| 2         | Cyclohexane, 1-methyl-2-propyl-      | 140   | C10H20                 | 004291-79-6 | 64   |
| 3         | Cyclohexane, 1-methyl-4-(1-methyl... | 140   | C10H20                 | 001678-82-6 | 64   |
| 4         | Cyclohexane, 1-methyl-2-propyl-      | 140   | C10H20                 | 004291-79-6 | 62   |
| 5         | Cyclohexanemethanol, 2-methyl-       | 128   | C8H16O                 | 002105-40-0 | 59   |



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Quant Title : VOC Analysis

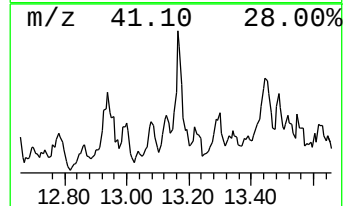
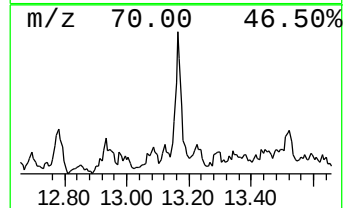
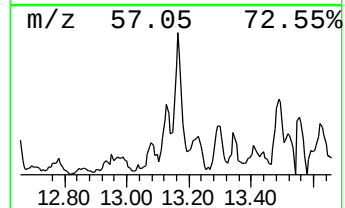
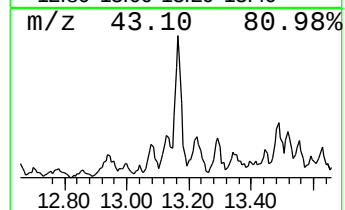
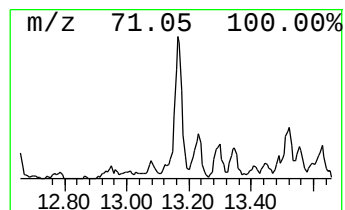
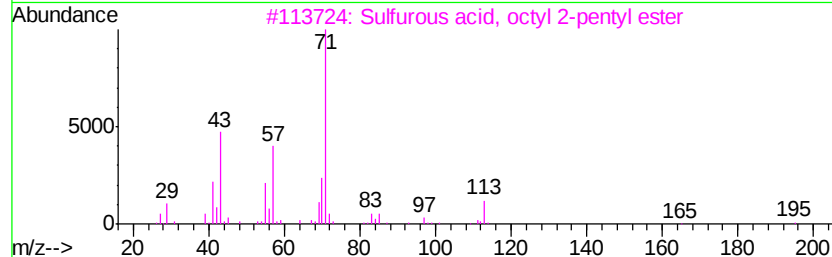
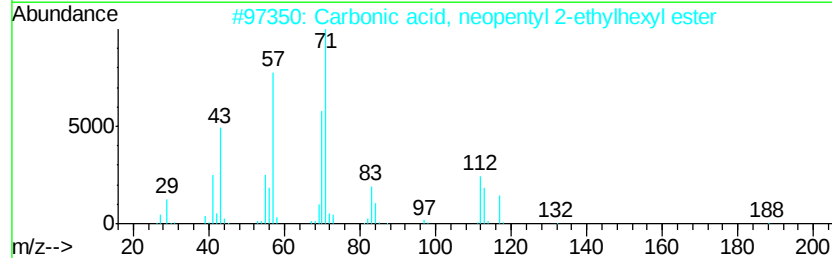
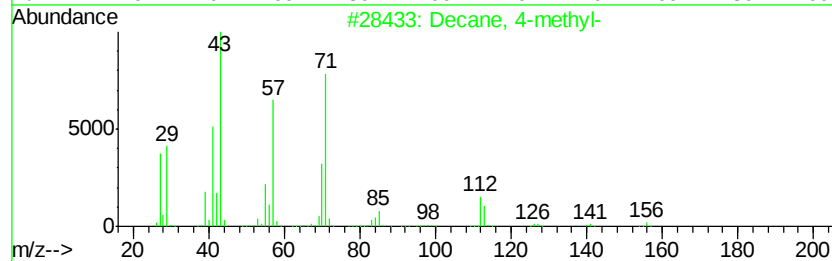
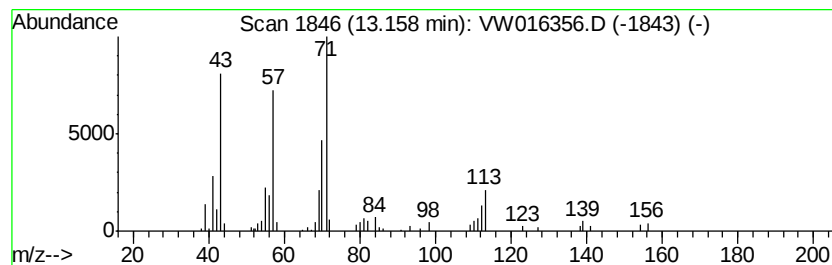
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.16 | 1.67 ug/L | 61029 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decane, 4-methyl-                   | 156 | C11H24    | 002847-72-5  | 72   |
| 2    |    | Carbonic acid, neopentyl 2-ethyl... | 244 | C14H28O3  | 1000357-85-7 | 59   |
| 3    |    | Sulfurous acid, octyl 2-pentyl e... | 264 | C13H28O3S | 1000309-15-7 | 59   |
| 4    |    | Hexane, 3,3,4-trimethyl-            | 128 | C9H20     | 016747-31-2  | 53   |
| 5    |    | Octane, 2-bromo-                    | 192 | C8H17Br   | 000557-35-7  | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW082620\  
Data File : VW016356.D  
Acq On : 26 Aug 2020 10:53  
Operator : SY/VA  
Sample : L3800-04  
Misc : 5.63G/10ML/MSVOA\_W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG3H4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
Quant Title : VOC Analysis

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

|                      |       |         |       |          | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Cyc... | 12.94 | 1.8     | ug/L  | 66487    | 3                     | 13.55 | 913832 | 25.0 |
| (DEL) Alkane: Str... | 13.16 | 1.7     | ug/L  | 61029    | 3                     | 13.55 | 913832 | 25.0 |