

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
 Data File : VW014351.D  
 Acq On : 13 Dec 2019 15:56  
 Operator : SY/VA  
 Sample : K6270-02  
 Misc : 5.58G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETK80

## 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\SOM2WLM120519S.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         | 1.965       | 6             | 10          | 30           | rVB      | 175582         | 441245        | 10.02%          | 1.177%        |
| 2         | 2.178       | 36            | 45          | 62           | rBV2     | 107388         | 279867        | 6.35%           | 0.746%        |
| 3         | 2.349       | 66            | 73          | 87           | rBV2     | 408649         | 860672        | 19.54%          | 2.295%        |
| 4         | 2.489       | 92            | 96          | 103          | rVB      | 22170          | 41020         | 0.93%           | 0.109%        |
| 5         | 2.885       | 153           | 161         | 172          | rBV      | 206983         | 516794        | 11.73%          | 1.378%        |
| 6         | 3.019       | 175           | 183         | 193          | rBV      | 111906         | 285420        | 6.48%           | 0.761%        |
| 7         | 3.385       | 233           | 243         | 258          | rBV2     | 112792         | 304451        | 6.91%           | 0.812%        |
| 8         | 4.019       | 334           | 347         | 360          | rBV      | 436811         | 1443553       | 32.77%          | 3.849%        |
| 9         | 4.385       | 403           | 407         | 409          | rVV3     | 2904           | 4676          | 0.11%           | 0.012%        |
| 10        | 4.952       | 477           | 500         | 521          | rBV4     | 55867          | 307451        | 6.98%           | 0.820%        |
| 11        | 5.147       | 531           | 532         | 544          | rVB8     | 2683           | 5277          | 0.12%           | 0.014%        |
| 12        | 5.434       | 563           | 579         | 588          | rBV4     | 26442          | 97461         | 2.21%           | 0.260%        |
| 13        | 5.775       | 627           | 635         | 636          | rBV4     | 2711           | 5569          | 0.13%           | 0.015%        |
| 14        | 5.933       | 649           | 661         | 674          | rBV3     | 71352          | 219498        | 4.98%           | 0.585%        |
| 15        | 6.891       | 808           | 818         | 822          | rBV6     | 4675           | 13887         | 0.32%           | 0.037%        |
| 16        | 6.976       | 822           | 832         | 840          | rBV3     | 31136          | 88864         | 2.02%           | 0.237%        |
| 17        | 7.067       | 840           | 847         | 854          | rBV      | 152263         | 423889        | 9.62%           | 1.130%        |
| 18        | 7.640       | 929           | 941         | 957          | rBV      | 674630         | 1698381       | 38.55%          | 4.529%        |
| 19        | 7.945       | 977           | 991         | 999          | rBV5     | 41103          | 166151        | 3.77%           | 0.443%        |
| 20        | 8.025       | 999           | 1004        | 1015         | rVB5     | 13845          | 36928         | 0.84%           | 0.098%        |
| 21        | 8.153       | 1015          | 1025        | 1033         | rBV3     | 34231          | 80437         | 1.83%           | 0.214%        |
| 22        | 8.275       | 1033          | 1045        | 1062         | rBV2     | 1414727        | 4405275       | 100.00%         | 11.747%       |
| 23        | 8.427       | 1062          | 1070        | 1077         | rVV8     | 13996          | 40093         | 0.91%           | 0.107%        |
| 24        | 8.506       | 1077          | 1083        | 1087         | rVV5     | 10091          | 22165         | 0.50%           | 0.059%        |
| 25        | 8.567       | 1087          | 1093        | 1100         | rVB4     | 19174          | 42805         | 0.97%           | 0.114%        |
| 26        | 8.689       | 1105          | 1113        | 1123         | rVB      | 91048          | 180639        | 4.10%           | 0.482%        |
| 27        | 8.841       | 1128          | 1138        | 1150         | rBV      | 1465580        | 2929154       | 66.49%          | 7.811%        |
| 28        | 9.079       | 1170          | 1177        | 1183         | rVB10    | 6077           | 12855         | 0.29%           | 0.034%        |
| 29        | 9.274       | 1199          | 1209        | 1215         | rBV      | 967569         | 2015272       | 45.75%          | 5.374%        |
| 30        | 9.329       | 1215          | 1218        | 1225         | rVB2     | 101474         | 183521        | 4.17%           | 0.489%        |
| 31        | 9.512       | 1243          | 1248        | 1254         | rVB3     | 12815          | 24285         | 0.55%           | 0.065%        |
| 32        | 9.604       | 1254          | 1263        | 1268         | rBV5     | 12006          | 28257         | 0.64%           | 0.075%        |
| 33        | 9.652       | 1269          | 1271        | 1280         | rVB7     | 4364           | 10342         | 0.23%           | 0.028%        |
| 34        | 9.744       | 1280          | 1286        | 1294         | rVB5     | 13994          | 30425         | 0.69%           | 0.081%        |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
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## 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\SOM2WLM120519S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.896  | 1303 | 1311 | 1315 | rBV4 | 8967    | 19000   | 0.43%  | 0.051% |
| 36 | 9.957  | 1315 | 1321 | 1326 | rBV2 | 33813   | 67716   | 1.54%  | 0.181% |
| 37 | 10.030 | 1327 | 1333 | 1340 | rVV  | 508395  | 915089  | 20.77% | 2.440% |
| 38 | 10.091 | 1340 | 1343 | 1358 | rVB5 | 29471   | 72317   | 1.64%  | 0.193% |
| 39 | 10.207 | 1358 | 1362 | 1372 | rBV6 | 5885    | 15992   | 0.36%  | 0.043% |
| 40 | 10.323 | 1372 | 1381 | 1387 | rBV  | 2000057 | 3574225 | 81.14% | 9.531% |
| 41 | 10.384 | 1387 | 1391 | 1398 | rVV  | 265489  | 469837  | 10.67% | 1.253% |
| 42 | 10.439 | 1398 | 1400 | 1404 | rVB5 | 6241    | 8344    | 0.19%  | 0.022% |
| 43 | 10.500 | 1404 | 1410 | 1416 | rVB  | 101946  | 179518  | 4.08%  | 0.479% |
| 44 | 10.573 | 1416 | 1422 | 1432 | rBV  | 337111  | 594255  | 13.49% | 1.585% |
| 45 | 10.664 | 1432 | 1437 | 1441 | rBV2 | 15834   | 22787   | 0.52%  | 0.061% |
| 46 | 10.701 | 1441 | 1443 | 1447 | rVB2 | 14059   | 17862   | 0.41%  | 0.048% |
| 47 | 10.756 | 1447 | 1452 | 1460 | rVB5 | 9738    | 19957   | 0.45%  | 0.053% |
| 48 | 10.859 | 1463 | 1469 | 1473 | rBV3 | 27434   | 48084   | 1.09%  | 0.128% |
| 49 | 10.920 | 1473 | 1479 | 1493 | rBV  | 697802  | 1176591 | 26.71% | 3.137% |
| 50 | 11.036 | 1493 | 1498 | 1499 | rBV2 | 5520    | 7343    | 0.17%  | 0.020% |
| 51 | 11.067 | 1499 | 1503 | 1507 | rBV4 | 14010   | 21453   | 0.49%  | 0.057% |
| 52 | 11.176 | 1516 | 1521 | 1525 | rBV  | 25960   | 38909   | 0.88%  | 0.104% |
| 53 | 11.225 | 1525 | 1529 | 1535 | rVB2 | 18165   | 31297   | 0.71%  | 0.083% |
| 54 | 11.280 | 1535 | 1538 | 1542 | rVB4 | 4986    | 5893    | 0.13%  | 0.016% |
| 55 | 11.335 | 1542 | 1547 | 1551 | rBV6 | 13045   | 20781   | 0.47%  | 0.055% |
| 56 | 11.432 | 1551 | 1563 | 1570 | rVB6 | 25815   | 83659   | 1.90%  | 0.223% |
| 57 | 11.512 | 1570 | 1576 | 1581 | rBV2 | 17190   | 33029   | 0.75%  | 0.088% |
| 58 | 11.628 | 1587 | 1595 | 1605 | rBV  | 2002581 | 3391659 | 76.99% | 9.044% |
| 59 | 11.731 | 1605 | 1612 | 1619 | rVV  | 92321   | 162709  | 3.69%  | 0.434% |
| 60 | 11.835 | 1620 | 1629 | 1639 | rVV2 | 183507  | 379642  | 8.62%  | 1.012% |
| 61 | 11.914 | 1639 | 1642 | 1647 | rVV3 | 12830   | 21362   | 0.48%  | 0.057% |
| 62 | 11.969 | 1647 | 1651 | 1657 | rVB9 | 5097    | 9553    | 0.22%  | 0.025% |
| 63 | 12.164 | 1671 | 1683 | 1691 | rBV3 | 65000   | 159589  | 3.62%  | 0.426% |
| 64 | 12.249 | 1694 | 1697 | 1701 | rVB4 | 9356    | 12748   | 0.29%  | 0.034% |
| 65 | 12.298 | 1701 | 1705 | 1707 | rBV4 | 4664    | 8271    | 0.19%  | 0.022% |
| 66 | 12.365 | 1707 | 1716 | 1723 | rVV8 | 23229   | 76477   | 1.74%  | 0.204% |
| 67 | 12.457 | 1727 | 1731 | 1735 | rVV3 | 8882    | 14540   | 0.33%  | 0.039% |
| 68 | 12.603 | 1750 | 1755 | 1761 | rVV  | 99367   | 162006  | 3.68%  | 0.432% |
| 69 | 12.688 | 1761 | 1769 | 1777 | rVV  | 845628  | 1400697 | 31.80% | 3.735% |
| 70 | 12.755 | 1777 | 1780 | 1781 | rVV2 | 4699    | 5237    | 0.12%  | 0.014% |
| 71 | 12.798 | 1783 | 1787 | 1792 | rVB2 | 16172   | 27700   | 0.63%  | 0.074% |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETK80

## 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\SOM2WLM120519S.M  
 Title : VOC Analysis

|     |        |      |      |      |       |         |         |        |        |
|-----|--------|------|------|------|-------|---------|---------|--------|--------|
| 72  | 12.865 | 1792 | 1798 | 1801 | rBV   | 32323   | 53860   | 1.22%  | 0.144% |
| 73  | 12.932 | 1804 | 1809 | 1816 | rVV3  | 69902   | 137797  | 3.13%  | 0.367% |
| 74  | 12.987 | 1816 | 1818 | 1822 | rVB4  | 6920    | 8756    | 0.20%  | 0.023% |
| 75  | 13.097 | 1833 | 1836 | 1843 | rVB3  | 15478   | 27529   | 0.62%  | 0.073% |
| 76  | 13.164 | 1843 | 1847 | 1853 | rBV7  | 5167    | 10184   | 0.23%  | 0.027% |
| 77  | 13.249 | 1855 | 1861 | 1865 | rBV   | 73713   | 119795  | 2.72%  | 0.319% |
| 78  | 13.298 | 1865 | 1869 | 1874 | rVB3  | 18669   | 29811   | 0.68%  | 0.079% |
| 79  | 13.396 | 1880 | 1885 | 1888 | rBV5  | 8346    | 12337   | 0.28%  | 0.033% |
| 80  | 13.444 | 1889 | 1893 | 1897 | rBV7  | 5913    | 10926   | 0.25%  | 0.029% |
| 81  | 13.554 | 1904 | 1911 | 1920 | rBV   | 1873312 | 3063292 | 69.54% | 8.168% |
| 82  | 13.646 | 1920 | 1926 | 1930 | rBV4  | 14030   | 24197   | 0.55%  | 0.065% |
| 83  | 13.749 | 1940 | 1943 | 1947 | rBV4  | 10398   | 14491   | 0.33%  | 0.039% |
| 84  | 13.853 | 1947 | 1960 | 1972 | rVV   | 1684848 | 2908817 | 66.03% | 7.756% |
| 85  | 13.993 | 1978 | 1983 | 1984 | rBV2  | 22135   | 29233   | 0.66%  | 0.078% |
| 86  | 14.066 | 1991 | 1995 | 2010 | rVB   | 85452   | 213546  | 4.85%  | 0.569% |
| 87  | 14.200 | 2010 | 2017 | 2022 | rBV6  | 42400   | 97547   | 2.21%  | 0.260% |
| 88  | 14.322 | 2033 | 2037 | 2042 | rBV8  | 15392   | 29139   | 0.66%  | 0.078% |
| 89  | 14.420 | 2051 | 2053 | 2057 | rVB4  | 8584    | 10092   | 0.23%  | 0.027% |
| 90  | 14.456 | 2057 | 2059 | 2062 | rVB2  | 8361    | 7972    | 0.18%  | 0.021% |
| 91  | 14.499 | 2062 | 2066 | 2071 | rBV6  | 12425   | 18291   | 0.42%  | 0.049% |
| 92  | 14.725 | 2095 | 2103 | 2109 | rVB10 | 17025   | 36164   | 0.82%  | 0.096% |
| 93  | 14.792 | 2109 | 2114 | 2122 | rBV6  | 14711   | 36903   | 0.84%  | 0.098% |
| 94  | 14.962 | 2136 | 2142 | 2146 | rBV9  | 6851    | 13604   | 0.31%  | 0.036% |
| 95  | 15.072 | 2156 | 2160 | 2162 | rBV4  | 5766    | 8619    | 0.20%  | 0.023% |
| 96  | 15.182 | 2173 | 2178 | 2184 | rVB9  | 6244    | 14247   | 0.32%  | 0.038% |
| 97  | 15.359 | 2203 | 2207 | 2213 | rBV3  | 8123    | 14906   | 0.34%  | 0.040% |
| 98  | 15.413 | 2213 | 2216 | 2222 | rVB7  | 3381    | 4204    | 0.10%  | 0.011% |
| 99  | 15.487 | 2225 | 2228 | 2235 | rVB   | 9741    | 18258   | 0.41%  | 0.049% |
| 100 | 16.176 | 2337 | 2341 | 2344 | rVV5  | 3012    | 4731    | 0.11%  | 0.013% |

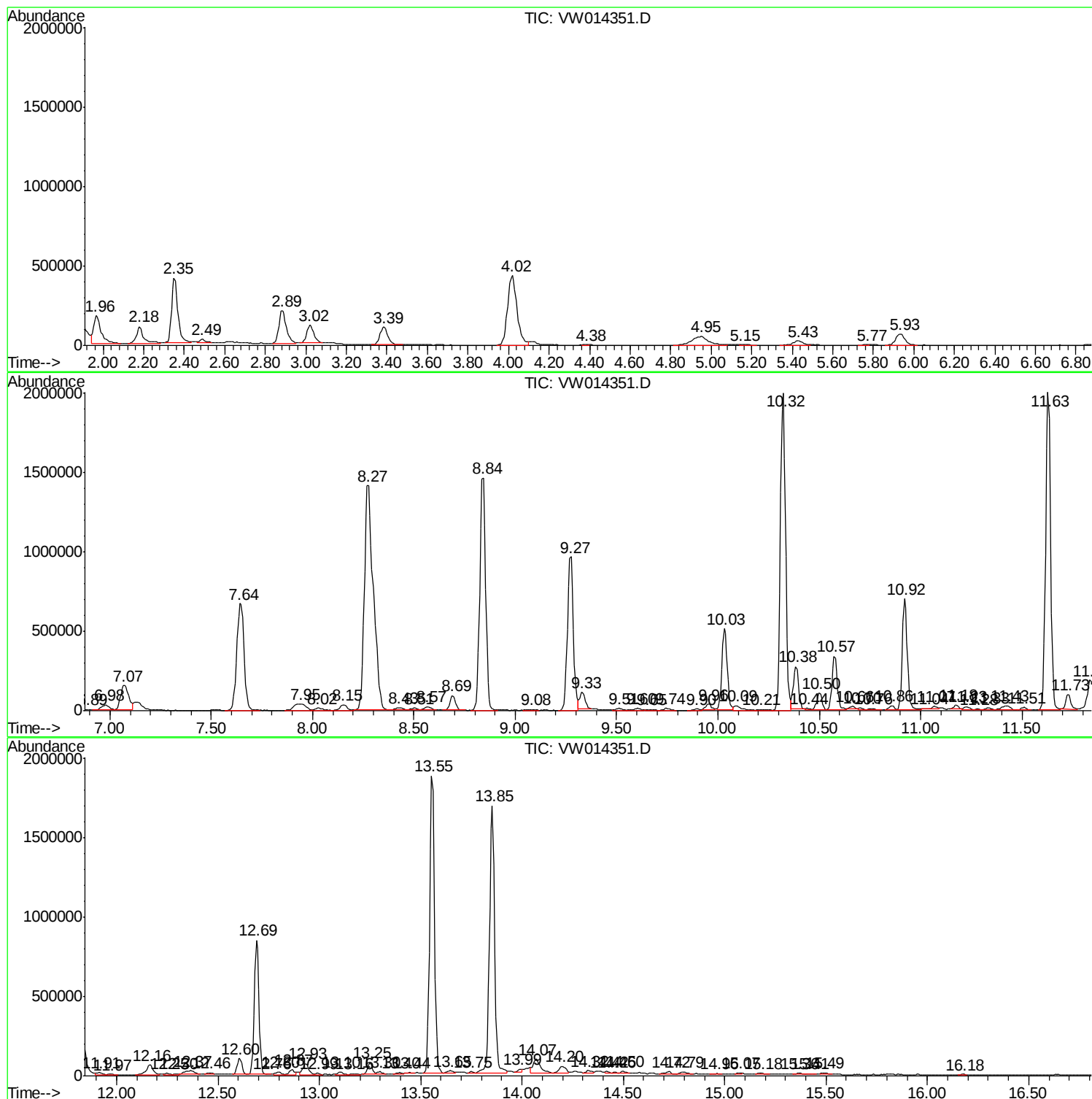
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

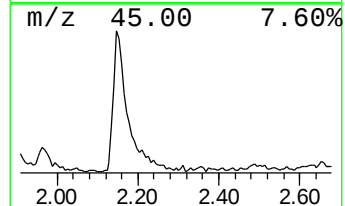
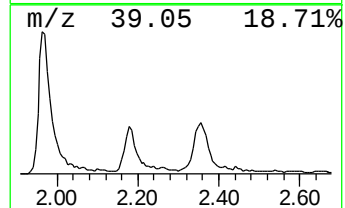
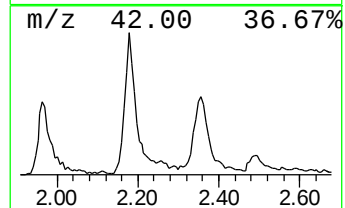
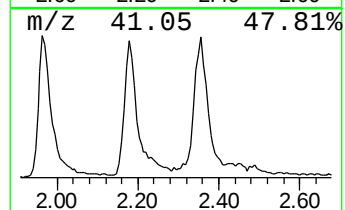
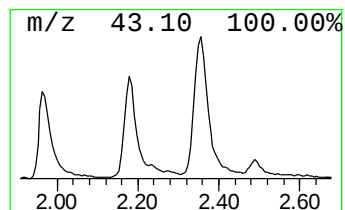
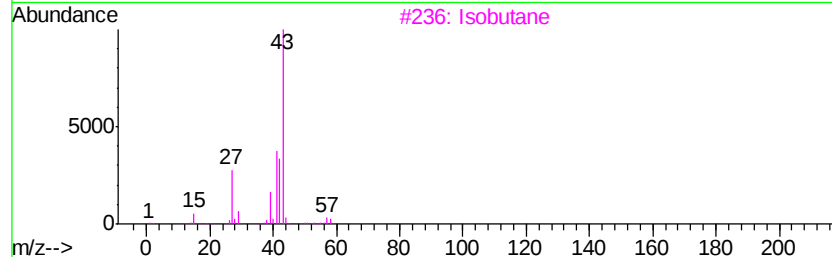
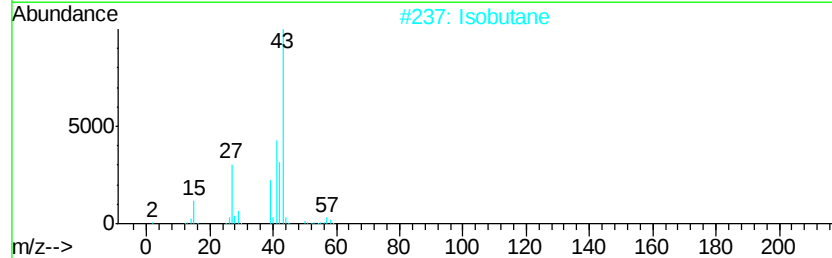
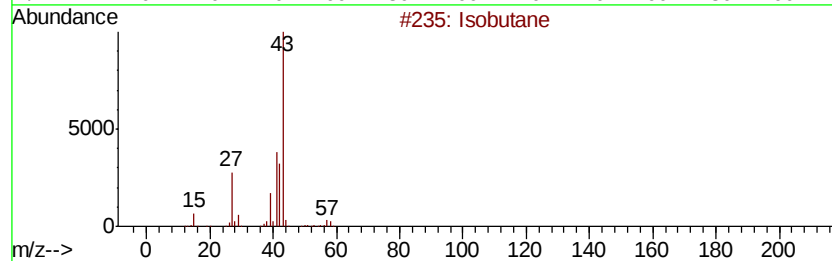
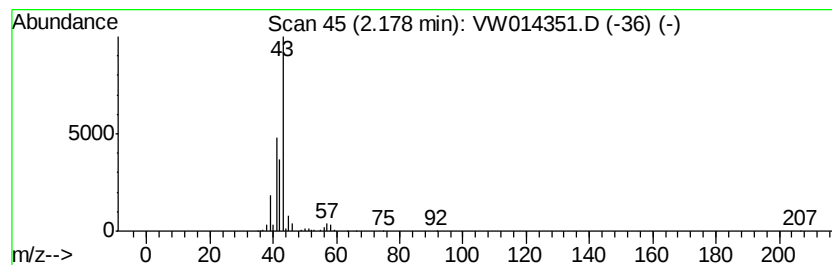
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.18 | 2.39 ug/L | 279867 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | Isobutane                   | 58 | C4H10   | 000075-28-5 | 53   |
| 2    |    | Isobutane                   | 58 | C4H10   | 000075-28-5 | 53   |
| 3    |    | Isobutane                   | 58 | C4H10   | 000075-28-5 | 53   |
| 4    |    | Isobutane                   | 58 | C4H10   | 000075-28-5 | 40   |
| 5    |    | Propane, 1-chloro-2-methyl- | 92 | C4H9Cl  | 000513-36-0 | 7    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

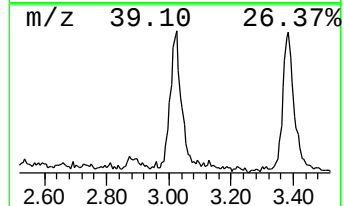
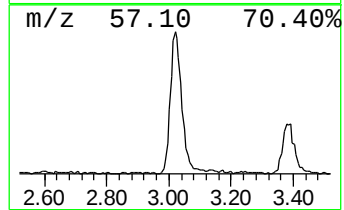
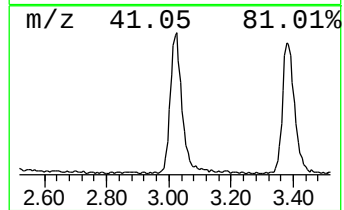
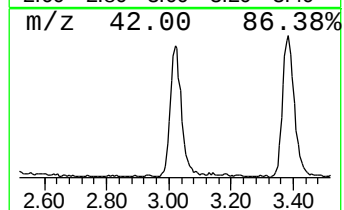
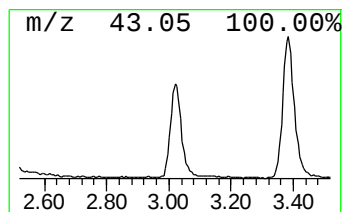
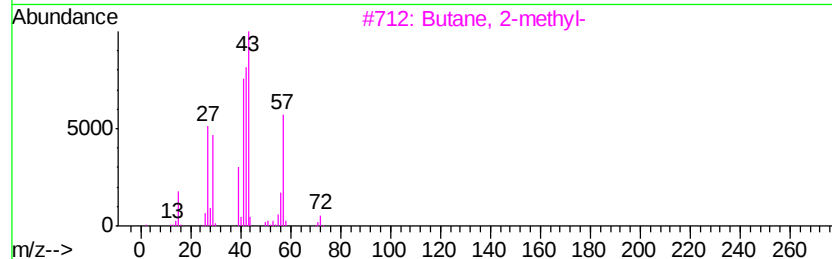
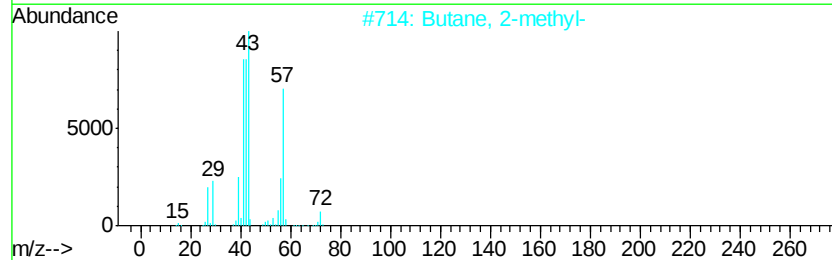
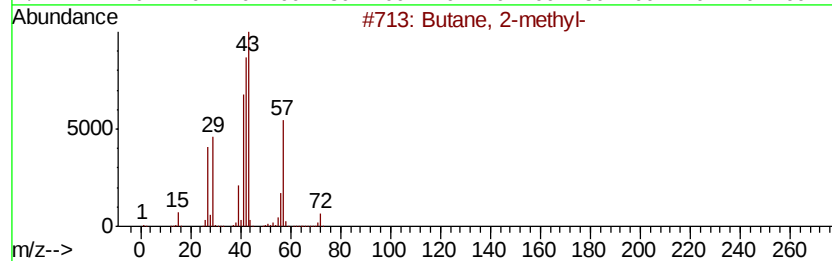
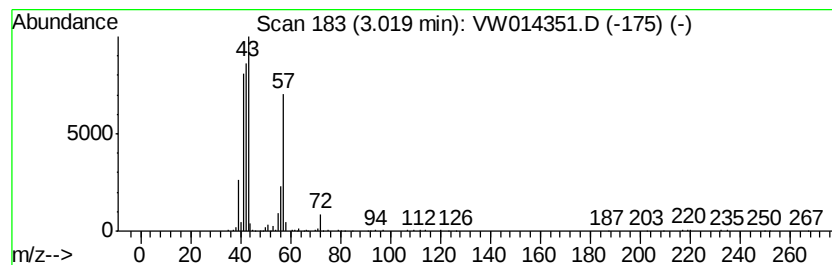
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 3.02 | 2.44 ug/L | 285420 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 90   |
| 2    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 87   |
| 3    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 86   |
| 4    |    | 3-Buten-1-ol      | 72 | C4H8O   | 000627-27-0 | 43   |
| 5    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 32   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

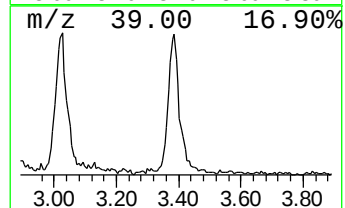
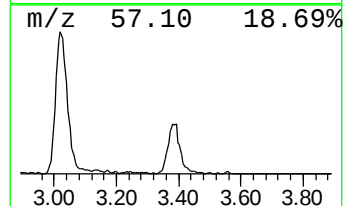
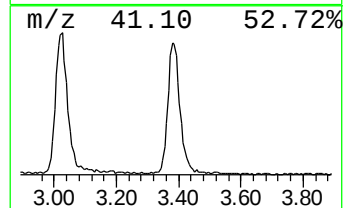
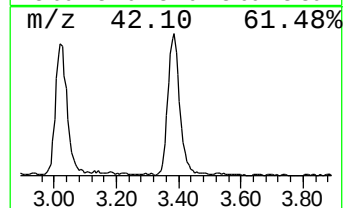
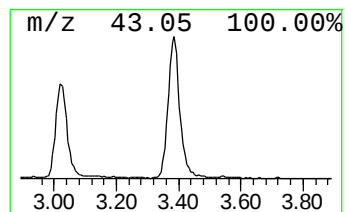
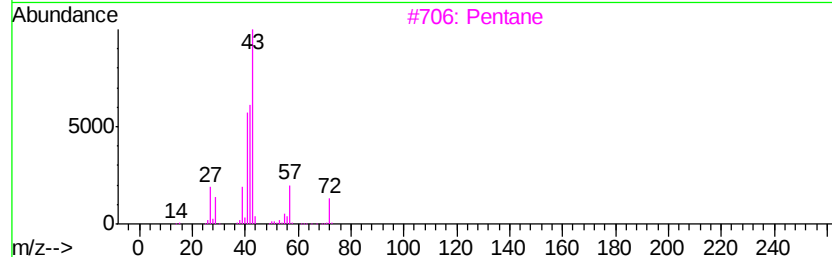
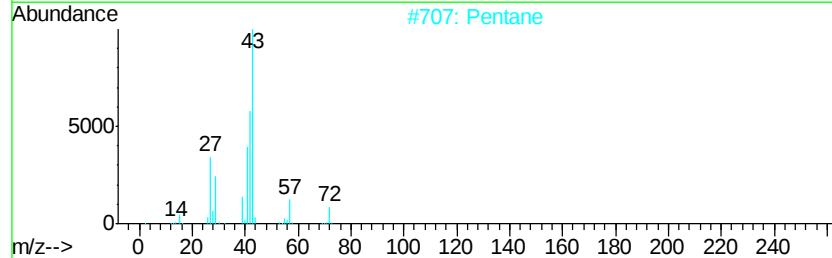
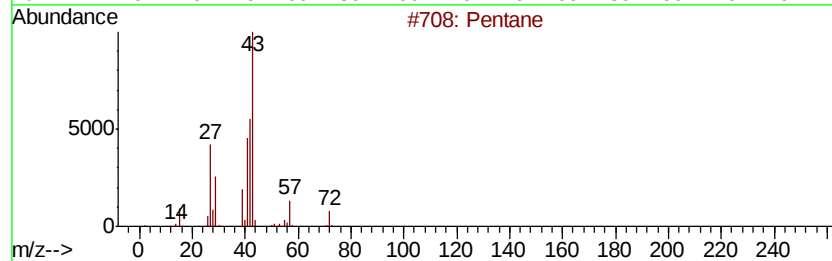
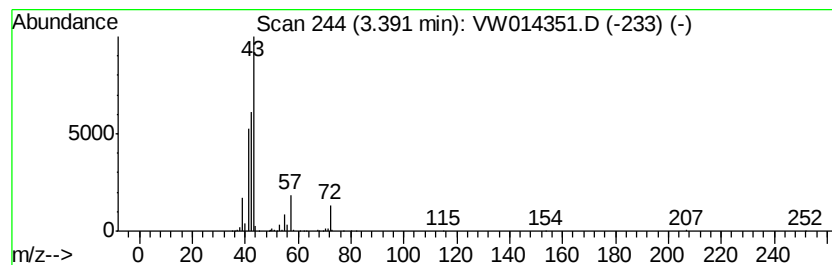
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 3.39 | 2.60 ug/L | 304451 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Pentane           | 72 | C5H12   | 000109-66-0 | 86   |
| 2    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 86   |
| 3    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 72   |
| 4    |    | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 36   |
| 5    |    | Oxirane, ethyl-   | 72 | C4H8O   | 000106-88-7 | 33   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

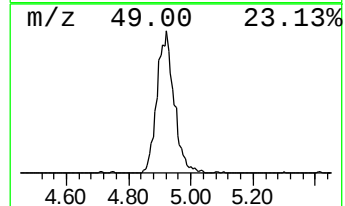
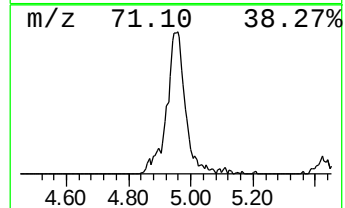
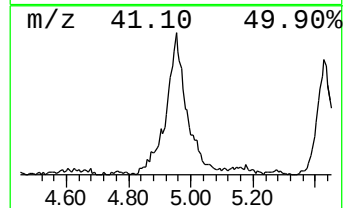
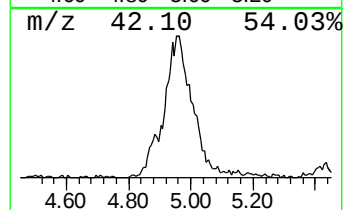
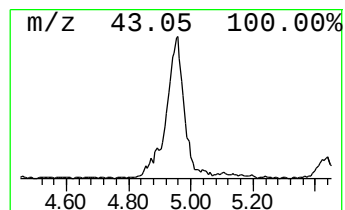
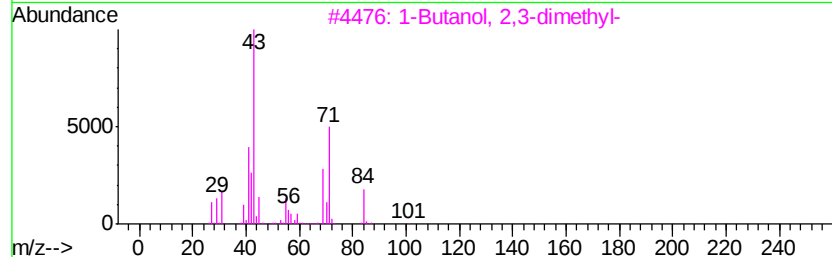
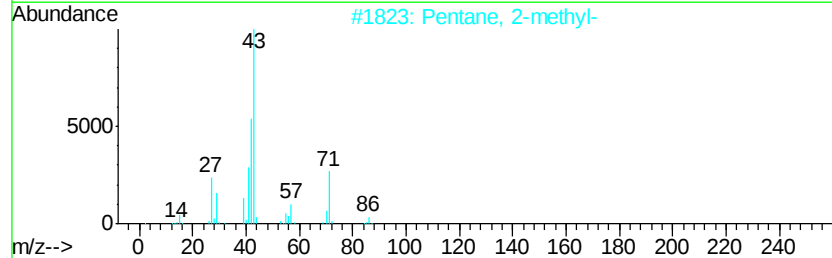
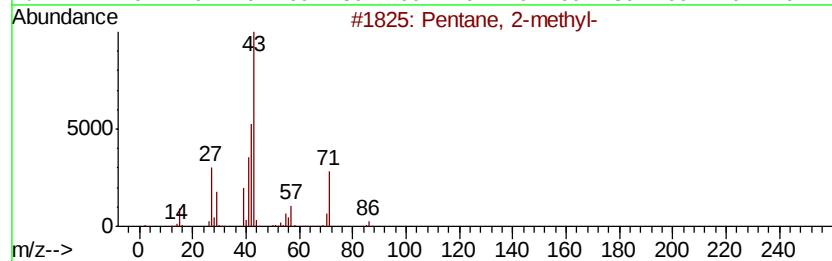
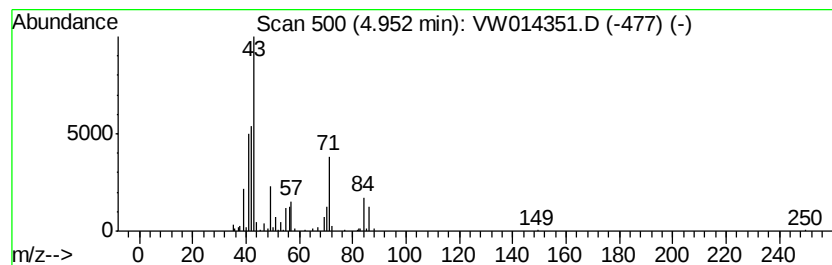
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.95 | 2.62 ug/L | 307451 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-                  | 86  | C6H14    | 000107-83-5 | 35   |
| 2    |    | Pentane, 2-methyl-                  | 86  | C6H14    | 000107-83-5 | 32   |
| 3    |    | 1-Butanol, 2,3-dimethyl-            | 102 | C6H14O   | 019550-30-2 | 27   |
| 4    |    | Ethyl-6-isopropyl-3-methyl-9-oxo... | 266 | C16H26O3 | 063896-58-2 | 23   |
| 5    |    | 1,2,3-Trimethyldiaziridine          | 86  | C4H10N2  | 113604-56-1 | 16   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

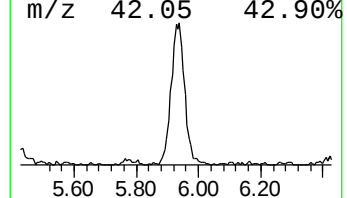
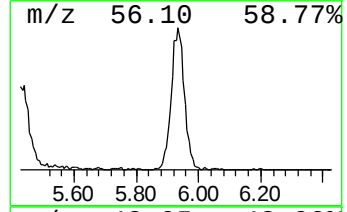
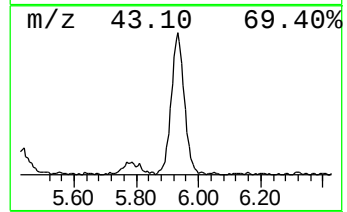
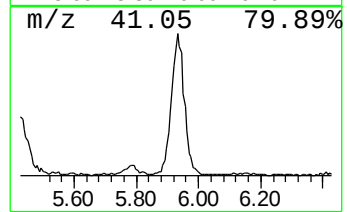
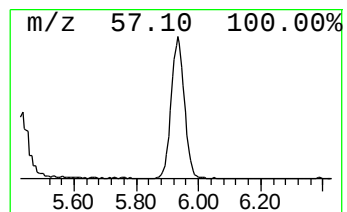
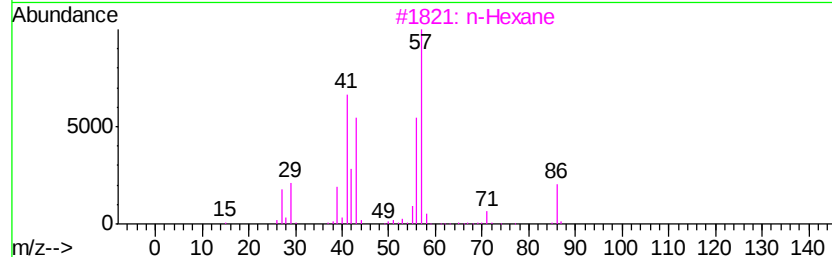
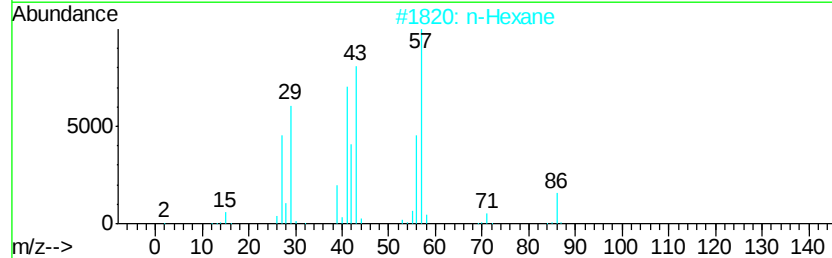
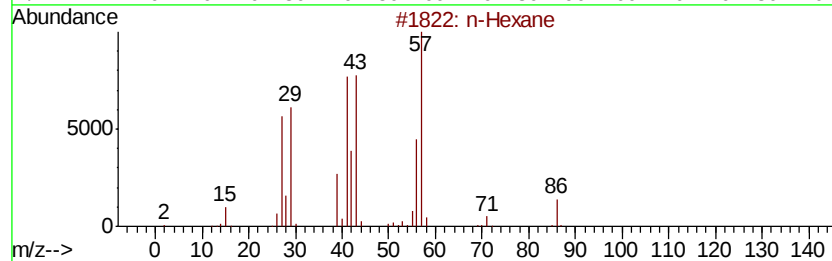
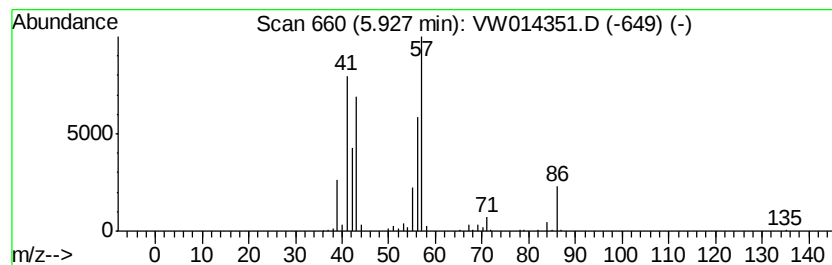
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 5.93 | 1.87 ug/L | 219498 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | n-Hexane                     | 86  | C6H14   | 000110-54-3 | 90   |
| 2    |    |   | n-Hexane                     | 86  | C6H14   | 000110-54-3 | 72   |
| 3    |    |   | n-Hexane                     | 86  | C6H14   | 000110-54-3 | 64   |
| 4    |    |   | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22  | 001071-81-4 | 47   |
| 5    |    |   | 1-Pentene, 4-methyl-         | 84  | C6H12   | 000691-37-2 | 42   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

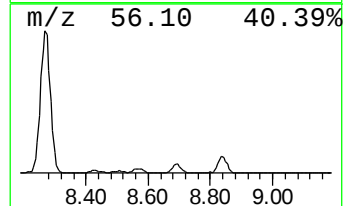
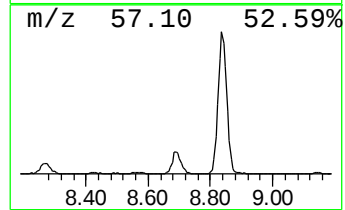
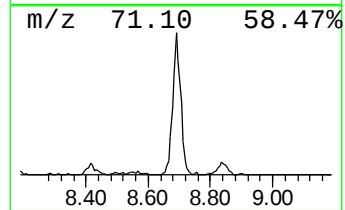
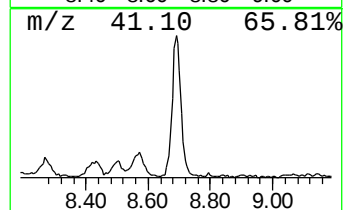
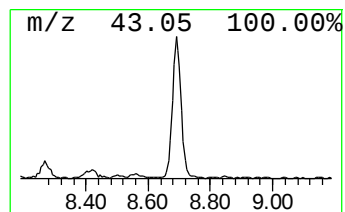
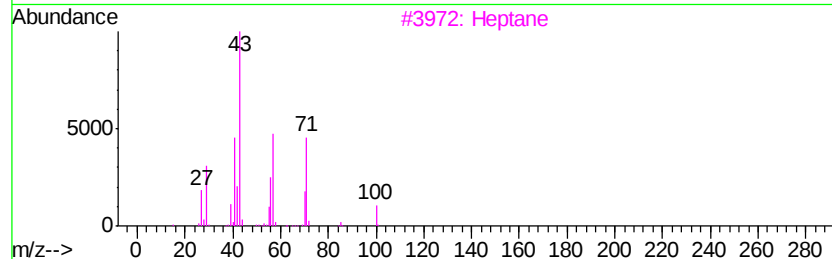
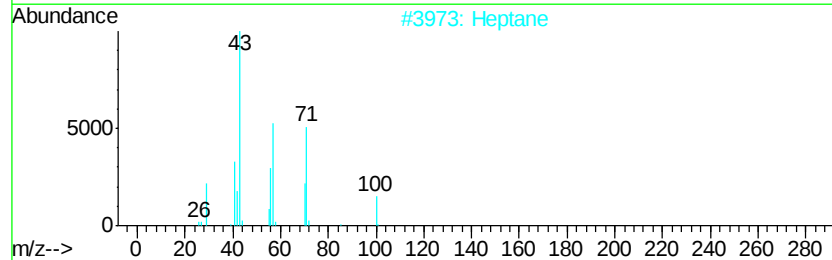
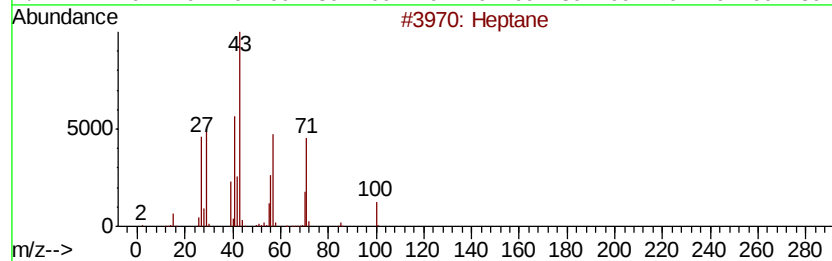
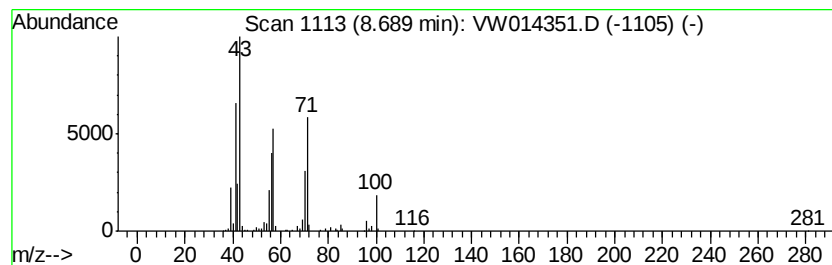
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 8.69 | 1.54 ug/L | 180639 | 1,4-Difluorobenzene | 8.84 |

| Hit# of | 5                         | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------------|--------------|-----|---------|-------------|------|
| 1       | Heptane                   |              | 100 | C7H16   | 000142-82-5 | 78   |
| 2       | Heptane                   |              | 100 | C7H16   | 000142-82-5 | 72   |
| 3       | Heptane                   |              | 100 | C7H16   | 000142-82-5 | 64   |
| 4       | Heptane                   |              | 100 | C7H16   | 000142-82-5 | 52   |
| 5       | Pentane, 2,3,4-trimethyl- |              | 114 | C8H18   | 000565-75-3 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

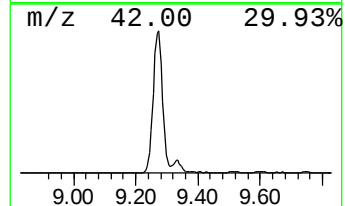
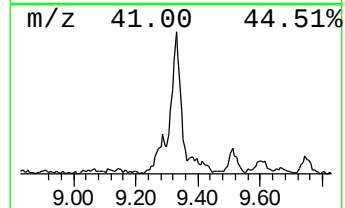
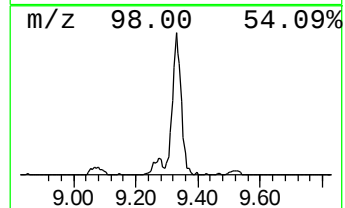
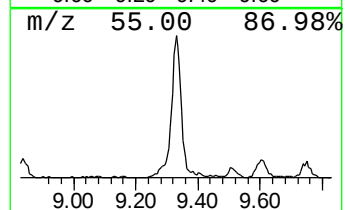
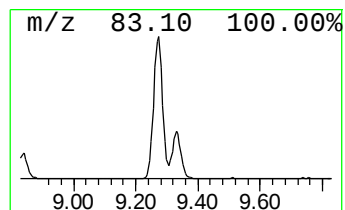
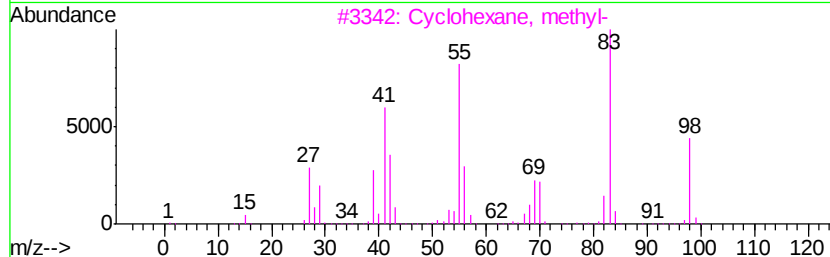
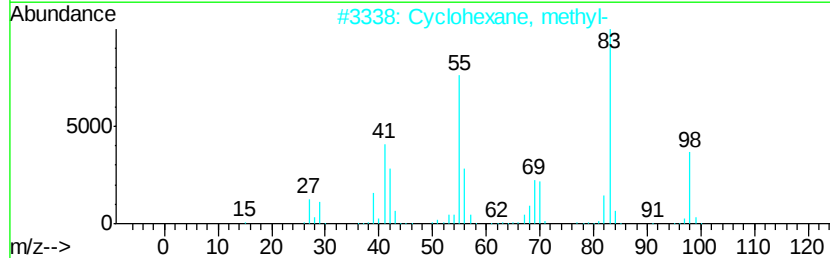
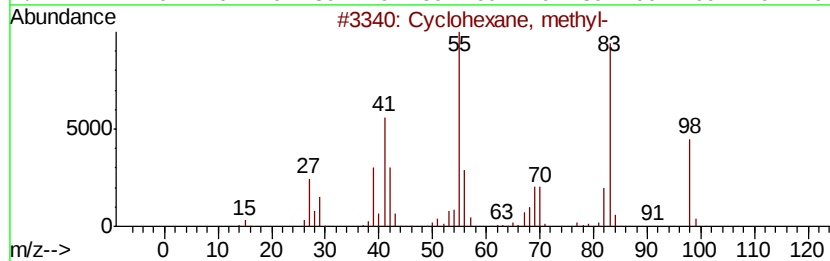
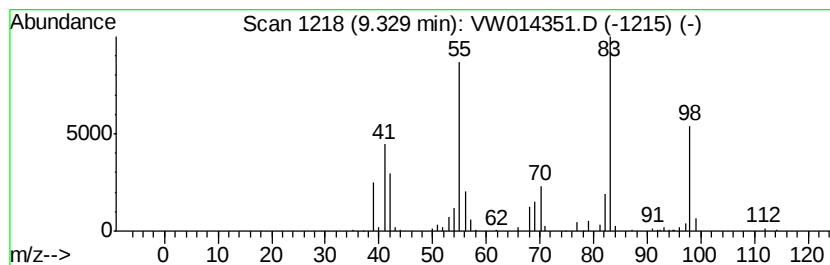
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Cyclic9.33 Concentration Rank 9

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 9.33 | 1.57 ug/L | 183521 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|--------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclohexane, methyl-           | 98 | C7H14   | 000108-87-2 | 83   |
| 2    |    | Cyclohexane, methyl-           | 98 | C7H14   | 000108-87-2 | 83   |
| 3    |    | Cyclohexane, methyl-           | 98 | C7H14   | 000108-87-2 | 68   |
| 4    |    | 2-Pentene, 4,4-dimethyl-       | 98 | C7H14   | 026232-98-4 | 53   |
| 5    |    | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis

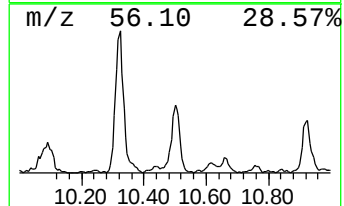
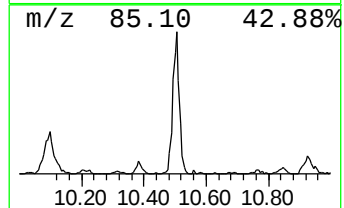
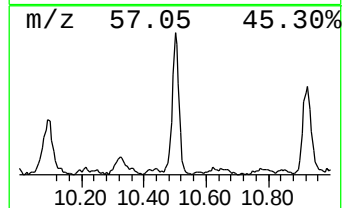
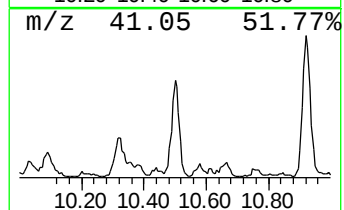
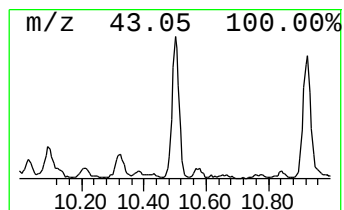
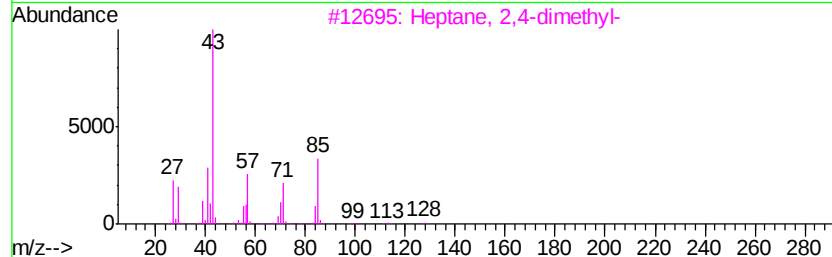
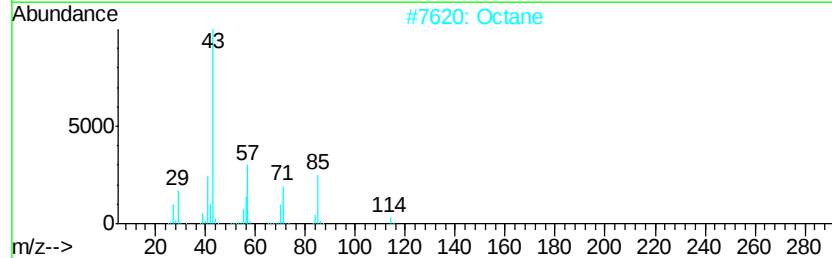
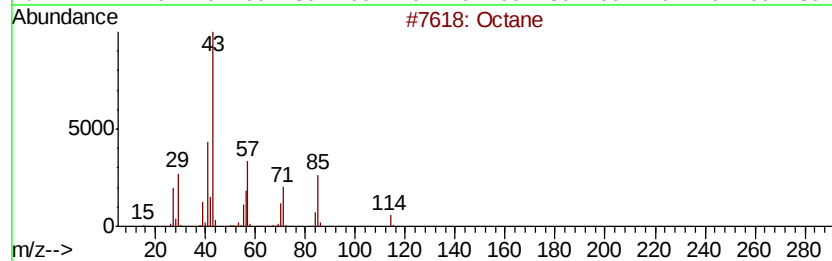
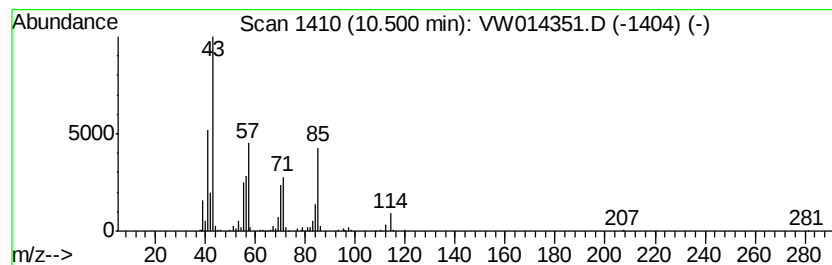
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 10.50 | 1.32 ug/L | 179518 | Chlorobenzene-d5 | 11.63 |

| Hit# | of                     | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Octane                 |   |              | 114 | C8H18   | 000111-65-9 | 87   |
| 2    | Octane                 |   |              | 114 | C8H18   | 000111-65-9 | 74   |
| 3    | Heptane, 2,4-dimethyl- |   |              | 128 | C9H20   | 002213-23-2 | 53   |
| 4    | Heptane, 2,4-dimethyl- |   |              | 128 | C9H20   | 002213-23-2 | 53   |
| 5    | Octane                 |   |              | 114 | C8H18   | 000111-65-9 | 52   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW121319\  
Data File : VW014351.D  
Acq On : 13 Dec 2019 15:56  
Operator : SY/VA  
Sample : K6270-02  
Misc : 5.58G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETK80

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.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: Str... | 2.18  | 2.4     | ug/L  | 279867   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Str... | 3.02  | 2.4     | ug/L  | 285420   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Str... | 3.39  | 2.6     | ug/L  | 304451   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Str... | 4.95  | 2.6     | ug/L  | 307451   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Str... | 5.93  | 1.9     | ug/L  | 219498   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Str... | 8.69  | 1.5     | ug/L  | 180639   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Cyc... | 9.33  | 1.6     | ug/L  | 183521   | 1 | 8.84                  | 2929150 | 25.0 |      |
| (DEL) Alkane: Str... | 10.50 | 1.3     | ug/L  | 179518   | 2 | 11.63                 | 3391660 | 25.0 |      |